# City of Poughkeepsie
# Planning Board
# Meeting Agenda

Virtual Meeting
Link: https://attendee.gotowebinar.com/register/8530117179747640078
Tuesday, October 19, 2021
6:00 PM

## I. CALL TO ORDER

## II. APPROVAL OF MEETING MINUTES

**1.** Approval of September 21, 2021 Meeting Minutes

## III. PUBLIC HEARINGS FOR SITE PLANS/SPECIAL PERMITS/SUBDIVISIONS

**1. WALLACE CAMPUS: DEMOLITION, CONVERSION & NEW CONSTRUCTION**
Site Plan application for demolition, conversion and new construction, resulting in a mixed use development with 187 dwelling units, 14,235 SF of retail commercial space, and publically-accessible open space on the parcels at 319, 325, 327-329 and 331 Main Street. Redevelopment of the off-street parking area will involve the properties at 302, 304, 306 and 310 Mill Street. Grid #6162-77-114098, 109079, 109077, 121116, 112116, 116114, 128113 and 6162-78-127091; Owner: 319 & 331 Main Street - IIC Properties, Inc., 327-329 Main Street - Key Main LLC, and 325 Main Street - Wallace Campus Manager LLC (Emanuel Kokinakis) (outright and by contract); Applicant: Wallace Campus Manager, LLC (A Larovere Consulting and Development, Mega Contracting Group, and Urban Green Equities); Consultant: Ken Casamento, LRC Group; Architect: SLCE Architects, LLP; Zoned: Poughkeepsie Innovation District Urban Village (PID-UV) and Historic Core (PID-HC). File #2020-010

**2. 58 PARKER AVENUE: OFFICE AND OPEN SPACE**

Application for Site Plan Review relative to the conversion of the existing former industrial complex at 58 Parker Avenue to workspace (offices) for Scenic Hudson, including development of a surface parking lot on the north side of Parker Avenue. Owner/Applicant: Northside Junction, LLC (Caroline Alsup/Scenic Hudson); Consultant: MASS Design Group; Zoning District: Walkway Gateway District Mixed Use Commercial Subdistrict (G-CM) Grid #6162-77-6162-62-148369 and 6162-54-125385; File #2021-045

**3. 584 MAIN STREET: MIXED USE CONVERSION AND EXPANSION**
Application for Site Plan Review relative to the proposed conversion of the existing building at 584 Main Street, including construction of an addition, from a used furniture store to a mixed use building containing office space and thirty (30) dwelling units. Owner: Hooker 21 LLC; Applicant: Wulf Lueckerath/Mark Lehman; Consultant: Liscum, McCormack, VanVoorhis; Zoned: Main Street Commercial (C-2A) District; Grid #6161-24-439917; File #2021-013

**4. MILTON STREET: MULTIFAMILY RESIDENTIAL DEVELOPMENT**
Application for site plan review relative to the proposed multifamily residential development consisting of two buildings containing a total of 63 units, with a swimming pool and accessory surface parking. Owner/Applicant: Maselo Realty LLC; Consultant: Chazen Companies (Caren LoBrutto); Grid #6162-73-623227; Zoning District: Planned Residential District (PRD); File #2021-029

**5. 134-136 SOUTH AVENUE: MIXED USE NEW CONSTRUCTION**
Application for Site Plan Review relative to the proposed demolition of an existing structure and construction of a new mixed use building with three (3) commercial spaces and fifteen (15) apartments with eleven (11) one-bedroom units and four (4) two-bedroom units. Owner: 134-136 South Avenue LLC (Brian Trematore); Applicant: AE Baxter LLC (Eric Baxter); Zoning District: Neighborhood Commercial (C-1); Grid #6061-44-956742; File #2021-050

## IV. SITE PLANS/SPECIAL PERMITS/SUBDIVISIONS

**1. 267 MILL STREET: SITE PLAN AMENDMENT**
Application for Site Plan Amendment relative to the proposed conversion of a former office building to a multiple dwelling with a total of eight (8) dwelling units. The previous approval was for seven (7) units; Grid #6162-69-073173; Owner: Page Park Associates; Applicant: Kelly Libolt/Page Park Associates: Zoning District: Poughkeepsie Innovation District – Creative Edge (PID-CE); File #2020-044 (1)

**2. 27 HIGH STREET: MULTIFAMILY RESIDENTIAL DEVELOPMENT**
Application for Site Plan Review relative to the proposed 67 unit multifamily development at 27 High Street, including the conversion of the existing vacant building and construction of a new building, Owner: 27 High Street Lofts LLC; Applicant: 27 High Street Lofts LLC/Kelly Libolt; Consultant: LRC Group; Zoned Medium High Density Residence (R-4) District; Grid #6162-62-192294; File #2021-018

**3. 135 MAIN STREET: MULTIFAMILY RESIDENTIAL SUBDIVISION**
Application for Site Plan Review and Subdivision relative to the proposed subdivision of the property at 135 Main Street into two lots of record with construction of a new building containing 72 dwelling units on the new lot. Owner: Omni New York; Applicant: Tinkleman Architecture; Consultant: Ken Casamento/LRC Group; Grid #6062-76-911183; Zoning District: Urban Density Residence (R-6) District; File #2021-037 and 2021-038

## V. APPROVAL EXTENSIONS

**1. 69 & 73 CATHARINE STREET: AGENCY COMMUNITY RESIDENCE/OFFICE**
Site Plan and Special Permit application regarding the proposed conversion of the former Catharine Street Community Center to a twenty-seven (27) bed Agency Community Residence and conversion of the former office building at 73 Catharine Street to an associated out-patient clinic and offices. Grid #6162-70-201163 & 6162-70-198164; Owner/Applicant: St. Joseph’s Rehabilitation Center, Inc.; Consultant: Architectural & Engineering Design Associates PC; Zoned: Medium High Density Residential (R-4) District; File #2020-024

# CITY OF POUGHKEEPSIE
# PLANNING BOARD MINUTES
# MEETING OF SEPTEMBER 21, 2021

**Present**
Robert S. Levine, Esq
Rosaura Andujar-McNeil
Nick DeLuccia
Sean O'Donnell
Robert Mallory (arrived late)
Anne Saylor
Marjorie Smith
Brian Veltre

**Staff present:**
Natalie Quinn, Planning Director

The meeting was called to order at 7:01pm with the pledge of allegiance.

The minutes from the August 2021 meeting were approved on a motion from Marjorie Smith seconded by Anne Saylor.

**584 MAIN STREET**
Application for Site Plan Review relative to the proposed conversion of the existing building at 584 Main Street, including construction of an addition, from a used furniture store to a mixed use building containing office space and thirty (30) dwelling units. Owner/Applicant: 584 Main Street LLC (Wulf Lueckerath/Mark Lehman); Consultant: Spencer Hall, LLS/Liscum, McCormack, VanVoorhis; Grid #6161-439917; Zoned: Main Street Commercial (C-2A) District; File #2021-013

Appearing on behalf of the application were Wulf Lueckerath, Mark Lehman and Don Petruncola, who provided a presentation.

Appearing on behalf of the City relative to the application was Chris Mansfield.

On a motion by Marjorie Smith and seconded by Anne Saylor, the Board opened the Public Hearing.

Chris Mansfield, the City's architectural consultant for the project, offered the following comments:

- Recommends fence along south façade
- Where will the refuse be located
- Celebration of existing structure and brick is missing: probe to determine brick value and if salvageable
- Shutter/non shutter is not good
- Method to break up façade, plane change
- Appreciates canopies
- Better celebrate residential entrance on Palmer to activate street with lighting
- Lighting on south
- HVAC screening is appropriate
- Will there be hood

The Board discussed the architectural recommendations, particularly agreeing that the shutter/non-shutter approach doesn't work, that the arched windows should be retained, that the Palmer Avenue entrance needs to be highlighted and illuminated, that the existing brick should be exposed.

The applicant's consultant agreed to explore alternating between siding and brick. The applicant indicated that they did not want the building, especially with the addition, to look too patched together.

Contact information from the brick work at 27 High Street will be forwarded.

Internal garbage on the Palmer Street side.

Parking: request the applicant to submit 10 preferred spaces for waiver. Consideration should be given to avoid crossing the arterial.

Request to include bicycle parking.

To allow sufficient time for re-circulation to the Engineering Department, the Board voted to adjourn the public hearing to October 19, 2021, on a motion by Marjorie Smith, seconded by Sean O'Donnell

Motion: Marjorie Smith
Second: Sean O'Donnell
Carried: 7:0:0

**58 PARKER AVENUE: OFFICE CONVERSION**
Application for Site Plan Review relative to the conversion of the existing former industrial complex at 58 Parker Avenue to workspace (offices) for Scenic Hudson, including development of a surface parking lot on the north side of Parker Avenue. Owner/Applicant: Northside Junction, LLC (Caroline Alsup/Scenic Hudson); Consultant: MASS Design Group; Zoning

District: Walkway Gateway District Mixed Use Commercial Subdistrict (G-CM) Grid #6162-77-6162-62-148369 and 6162-54-125385; File #2021-045

Appearing on behalf of the application were Caroline Aslup, Jason Camporese and Linda Cooper.

- Façade renovations will follow state and federal guidelines.
- Brick work will include cleaning and repointing masonry. Details on replacement windows will be provided.
- Variances will be required for parking setback
- Crosswalk is provided
- Parking analysis and data were presented
- The need for signage was discussed.
- Appreciation for retention of industrial building (adaptive re-use) was expressed

On a motion by Marjorie Smith, seconded by Sean O'Donnell, the public hearing was opening.

Speaking in support of the application was city resident Mario Johnson.

To allow sufficient time for returned comments from County Planning and internal departments, on a motion by Marjorie Smith, seconded by Nick DeLuccia, the Board adjourned the public hearing to October 19, 2021.

On a motion by Marjorie Smith, seconded by Anne Saylor, the Board voted to rescind its previous resolution to establish an escrow account.

**316 MAIN STREET: RESIDENTIAL NEW CONSTRUCTION**
Application for Site Plan review relative to the proposed demolition of an existing one-story building and construction of a six-story mixed use building with eighty (80) residential units and 21,705 SF of commercial space. Applicant / Owner: 316 Main Street LLC (Eric Baxter); Consultant: MASS Design Group; Zoned Poughkeepsie Innovation District – Historic Core (PID-HC) Subdistrict; Grid #6162-77-091064; File #2021-003

Robert Levine, Esq, recused himself. Anne Saylor assumed the duties of the chair.

Appearing on behalf of the application were Eric Baxter and Justin Brown, who summarized changes.

It was noted that the revised plan provides greater detail and options on the cornices.

WHEREAS, the Planning Board has received an application for Site Plan Review relative to the proposed demolition of an existing one-story building and construction of a six-story mixed use building with eighty (80) residential units and 21,705 SF of commercial space at 316 Main Street; and

WHEREAS, this application for site plan is considered to be an Type 1 Action under SEQR and the applicant submitted a Full EAF which adequately describes the proposed action; and

WHEREAS, the Board as Lead Agency adopted a Negative Declaration on August 17, 2021; and,

WHEREAS, the ZBA granted the required variance with regards to a height variance of one story

WHEREAS, the action is more fully detailed on supplemental information and on plans prepared by Rodney Morrison, PE of LRC Group, dated 2/9/21; and elevations prepared by MASS Design Group dated 8/9//21; and

NOW THEREFORE BE IT FURTHER RESOLVED that the Board grant site plan approval for the proposed construction of a six-story mixed-use buildings at 316 Main Street, with the following conditions:

- Applicant will return for façade review

Motion: Marjorie Smith
Second: Sean O'Donnell
Ayes: 5
Nays: 1
Abstentions: 0

The motion carried.

**27 HIGH STREET: RESIDENTIAL CONVERSION AND NEW CONSTRUCTION**
Application for Site Plan Review relative to the proposed multifamily development of 67 units at 27 High Street, including the conversion of the existing vacant building and construction of a new building; Owner: 27 High Street Lofts LLC; Applicant: 27 High Street Lofts LLC/Kelly Libolt; Consultant: LRC Group; Grid #6162-62-192294; Zoned: Medium High Density Residence (R-4) District; File #2021-015

Robert Levine, Esq, was recused. Anne Saylor continued with the duties of the chair.

Appearing on behalf of the application was Kelly Libolt, who outlined changes to the project.

WHEREAS, the Planning Board has received an application for site plan review relative to the proposed multifamily development of sixty-seven (67) units, including the conversion of the existing vacant building and construction of a new building at 27 High Street; and

WHEREAS, this application for site plan is considered to be an Unlisted Action under SEQR; and

WHEREAS, the applicant submitted a Short EAF which adequately describes the proposed action; and

WHEREAS, the action is more fully detailed on supplemental information and on plans prepared by Rodney Morrison, PE of LRC Group, dated 8/31/21; and elevations prepared by QPK Design, dates 5/26/21; and

WHEREAS, the Board has compared the impacts that are likely to result from the action against those in 617.7(c)(1)(i) through (xii), as noted in the completed Part 2 and Part 3 of the EAF, and has determined that there will be no significant adverse environmental impacts and therefore, a draft environmental impact statement will not be prepared.

NOW THEREFORE BE IT RESOLVED that the Planning Board hereby adopts a Negative Declaration for the File PB#2021-015 as detailed in the application and the above referenced plans.

Motion: Marjorie Smith
Second: Nick Deluccia
Carried:5:0:0

The Planning Board encourages the applicant go before the Zoning Board of Appeals to seek the required variances for lot area, front yard setback, building height, parking, and landscaping.
Motion: Marjorie Smith
Second: Nick DeLuccia
Carried: 5:0:0

Pursuant to Section 19-6.1(e)(2)(g) the Board shall act on a site plan within 45 days after the public hearing is closed. As the public hearing was closed on August 17th, 2021, the Board shall make a decision to approve, approve with conditions, or deny the application by October 1st, 2021 unless the review is extended by mutual consent of the applicant and Board. The applicant is required to secure approvals from the ZBA before they can receive a final decision from the Planning Board.

The Planning Board consented to extending review of the application past the 45 day timeline to the next regularly scheduled meeting on October 19, 2021.
Motion: Marjorie Smith
Second: Sean O'Donnell
Carried: 5:0:0

**MILTON STREET: MULTIFAMILY RESIDENTIAL DEVELOPMENT**
Application for site plan review relative to the proposed multi-residential development consisting of two buildings containing a total of 63 units, with a swimming pool and accessory surface parking. Owner/Applicant: Maselo Realty LLC; Consultant: Chazen Companies (Caren LoBrutto); Grid #6162-73-623227; Zoned Planned Residential District (PRD); File #2021-029

Appearing on behalf of the application were Caren LoBrutto and Timothy Lynch, who provided an overview of changes.

Appearing on behalf of the City was Chris Kroner of MASS Design who outlined his comments.

Right of way along the Fallkill Creek will be added
Requested revised open space calculations
Safety measures wre encouraged along pedestrian path

The Board determined that the matter is of wide public interest and set a public hearing be set for October 19, 2021.
Motion: Marjorie Smith

Second: Sean O'Donnell
Carried: 6:0:0

**135 MAIN STREET: MULTIFAMILY RESIDENTIAL/SUBDIVISION**

Application for Site Plan Review and Subdivision relative to the proposed subdivision of the property at 135 Main Street into two lots of record with construction of a new building containing 72 dwelling units on the new lot. Owner: Omni New York; Applicant: Tinkleman Architecture; Consultant: Ken Casamento/LRC Group; Grid #6062-76-911183; Zoning District: Urban Density Residence (R-6) District; File #2021-037 and 2021-038

Appearing on behalf of the application were Ken Spillberg (Omni), Steven Tinkleman, Anthony Juliano and Ken Casamento, who made a presentation relative to the project.

The following information was provided:
The existing building is planned to be rehabilitated within the new 2 years
Services are/will be provided on site
Income regulated at 40-60% of AMI ($26K to $49K)
Maximum utilization of existing parking lot is 33 spaces
The owner of the property is actually as affiliate of Omni New York.

The following comments were made:

- The applicant requested the Board's approval to remove some proposed parking and add more open space
- Add zoning letter of August 26, 2021 to packet
- Still need landscaping plans and lighting plans
- Need to submit colors and materials
- Engineering is at a preliminary stage
- A long term land lease was recommended
- Supporting documentation of shuttle was requested
- Consideration of structured parking, removal of surface parking and addition of more open space was recommended
- Concern was expressed about the institutional/hospital-like appearance of the building
- Stepping down the height of the building was proposed

The Board declared itself lead agency for the purposes of SEQR and authorized circulation of the plans for review and comment.

Motion: Marjorie Smith
Second: Anne Saylor
Carried: 6:0:0

The Board requested an escrow account of $3,000 be established by the applicant for architectural review services by an architectural consulting firm.

Motion: Marjorie Smith
Second: Sean O'Donnell

Carried: 6:0:0

**134-136 SOUTH AVENUE: MIXED USE NEW CONSTRUCTION**

Application for Site Plan and Special Permit Review relative to the proposed demolition of an existing structure and construction of a new mixed use building with three (3) commercial spaces and fifteen (15) apartments with eleven (11) one-bedroom units and four (4) two-bedroom units. Owner: 134-136 South Avenue LLC (Brian Trematore); Applicant: AE Baxter LLC (Eric Baxter); Zoning District: Neighborhood Commercial (C-1); Grid #6061-44-956742; File #2021-050

The Board declared itself lead agency for the purposes of SEQR and authorized circulation of the plans for review and comment.

Motion: Marjorie Smith
Second: Sean O'Donnell
Carried: 5:0:0

The Board determined that the matter is of wide public interest and set a public hearing for October 19, 2021.

Motion: Marjorie Smith
Second: Sean O'Donnell
Carried: 5:0:0

The meeting was adjourned at 11:18pm on a motion by Marjorie Smith, seconded by Nick DeLuccia.

APPLICATION TO THE PLANNING BOARD
CITY OF POUGHKEEPSIE, NEW YORK

# Application for Site Plan, Special Permit & Facade Approval

OFFICE USE ONLY

CODE: PLSF

ID #_____

FEE: _____
Total, from:
$500, plus
$_____
($150 per 1000 square feet of floor area), plus
$_____
($35 per number of required parking spaces), plus
$_____
($500 for special permit, if applicable)

I. **PROPERTY ADDRESS:** 319 Main St., 325 Main St., 327-329 Main St., 331 Main St., 306 Mill St., 304 Mill St., 302 Mill St.

II. **PROPERTY OWNER:** Wallace Campus Manager LLC

**ADDRESS:** Wallace Campus Manager LLC
Astoria, NY 11103
New York 11103 (state and zip code)

**PHONE NUMBER:** 718-932-6342 (include area code)

III. **NAME OF APPLICANT:** Wallace Campus Manager LLC

**ADDRESS:** Wallace Campus Manager LLC
Astoria, NY 11103
New York 11103 (state and zip code)

**PHONE NUMBER:** 718-932-6342 (include area code)

**EMAIL ADDRESS:** ekokinakis@megagroup.nyc

(If applicant is NOT the owner, proof of owner's consent to the application MUST be provided.)

IV. **CONSULTANT:** Ken Casamento, CPESC

**ADDRESS:** The LRC Group
85 Civic Center Plaza, Suite 103
Poughkeepsie, NY 10601 (state and zip code)

**PHONE NUMBER:** 845-243-2880 (include area code)

V. **PROPOSED USE or FAÇADE CHANGE** (Summarize proposed use or uses): Creation of mixed-use development spanning form the 300 block of both Main & Mill Streets including residential, commercial, and publicly accessible open space.

VI. **ZONING DISTRICT:** PID-HC and PID-UV

***(Proceed to XVII for special permit & façade approval only)***

Revised January 2018: Previous Editions Obsolete

## PROJECT INFORMATION

New construction: X (yes) _____ (no)

Change of use: X (yes) _____ (no)

Expansion/addition: X (yes) _____ (no)

Alteration: X (yes) _____ (no)

Cost of Construction: $ 66M

### LOT AND BULK INFORMATION:

Lot area: 2.52 (acres) 109,771 (square feet)

Building Footprint: 23,091 (proposed square feet for new construction)

25,180 (existing square feet for change of use/expansion)

_____ (additional proposed square feet for expansion)

48,271 (total building footprint, square feet)

Lot Coverage: 44% (percentage, building coverage only)

Gross Floor Area: 140,671 (proposed square feet for new construction)

114,856 (existing square feet for change of use/expansion)

_____ (additional proposed square feet for expansion)

255,527 (total gross floor area, square feet)

Building Height: 3, 4, 5 (stories) varies - see plans (feet)

Floor Area Ratio: 2.33 (ratio of gross floor area divided by lot area)

## VIII. PROJECT PARKING INFORMATION

A) Number of Off-Street Parking Spaces required: 32

B) Number of Off-Street Parking Spaces provided: 63

C) Waiver Requested: _____ (Yes) X (No)

Is municipal parking available within 600 feet? X (Yes) _____ (No)

If yes, name all such municipal facilities: Conklin Street Lot; Garden Street Lot; Crannell Street; Financial Plaza Parking Garage

(If a waiver is requested based on proximity to municipal facilities, a written request for such waiver, addressed to the City Planning Staff and the Chairman of the Planning Board, must be submitted with the application.)

If a private parking facility is to be utilized, is such facility within 600 feet?

_____ (Yes) _____ (No)

If yes, provide the address of the facility, name of the property owner, number of spaces in the lot, number of spaces available for lease, and length of lease. Attach copy of lease. Additional information may be required by the Planning Board):

## IX. RESIDENTIAL PROPOSALS

A) Type of Development: Multi-family housing
(Townhouse, condominium, multiple residence rental, etc.)

B) Unit Breakdown:

Number of efficiency or "studio" units: 46

Number of one (1) bedroom units: 92

Number of two (2) bedroom unit's 40

Number with three or more bedrooms: 9

Total number of units: 187

C) Is funding public? X Yes ____ No

If yes, describe funding source: NYS HFA Bond; 4% LIHTC and other sources

## X. OFFICE PROPOSALS (____ Medical/Dental ____ Professional ____ Business)

A) Number of Employees: _____

B) Number of doctors/dentists/medical practitioners: _____

C) Days/Hours of Operation: _____

## XI. SERVICE BUSINESS PROPOSALS

A) Specify Business: _____
(e.g., laundromat, drycleaner, beauty parlor, travel agency, banks)

B) Number of Employees: _____

C) Number of Washing Machines (for laundromat): _____

D) Days/Hours of Operation: _____

## XII. MERCANTILE PROPOSALS (Retail X Wholesale _____)

A) Type of Mercantile (specify): TBD (14,325 SF)

B) Number of Employees: TBD

C) Days/Hours of Operation: Normal Business Hours

## XIII. STANDARD RESTAURANT/FAST FOOD RESTAURANT/COFFEE SHOP/DONUT SHOP/NIGHTCLUB/DISCOTHEQUE/BAR PROPOSALS

A) Specify Use: _____

B) Number of seats (excluding bar stools and outdoor seating):_____

C) Meals served (i.e., breakfast, lunch, dinner): _____

D) Type of Menu: _____

E) Days/Hours of Operation: _____

F) Entertainment (live and/or recorded):_____

G) Will the restaurant contain a bar/lounge?: _____ Yes _____ No

H) If yes, how many seats at the bar? _____

I) Is a drive-through window proposed? _____

J) Is a walk-up window proposed? _____

K) Is an outdoor seating area proposed? _____

L) If yes, how many seats are proposed? _____

M) If yes, is outdoor cooking proposed? _____

## XIV. INDUSTRIAL/COMMERCIAL PROPOSALS (Automobile repair, taxi, motor vehicle sales, warehouse, manufacturing, animal hospital, research facilities, etc.)

A) Specify Use: _____

B) Number of shifts (if any): _____

C) Number of employees: _____
(If shifts are proposed, list number of employees per shift)

E) Number of work bays (if automobile repair): _____

F) Days/Hours of operation: _____

**XV. EDUCATIONAL/INSTITUTIONAL/RECREATIONAL PROPOSALS** (e.g., Museums, Theatres, Conference Centers, Hotels, Motels, Hospitals, Nursing Homes, Assisted Living Facilities, Nursery Schools, Private Schools, Day Care Centers, Places of Worship, Marinas, Membership Clubs, etc.)

A) Specify: _____

B) Number of shifts (if any): _____

C) Number of employees: _____
(If shifts are proposed, list number of employees per shift)

D) Number of beds (hospitals, nursing homes, etc): _____

E) Number of seats in largest assembly space: _____

F) Number of classrooms (schools): _____

G) Number of rental units (hotels, motels, etc.) _____

H) Number of boat slips/courts (e.g., tennis, handball, etc.), alleys: _____

I) Days/Hours of Operation: _____

**XVI. PROPOSALS NOT MENTIONED ABOVE** (Please be specific):

Publicly accessible open space

**XVII. APPLICANT CERTIFICATION**

I, Emanuel Kokinakis, certify that the this application has addressed the objectives outlined in the Zoning Ordinance with consideration given to the public health, safety and welfare; the comfort and convenience of the public in general or the residents or users of the proposed development and of the immediate neighborhood.

The applicant certifies that all information contained herein is accurate and complete as of the date of this application.

Signature of Applicant

10/12/21
Date

ALC
Planning & Development

Wallace Campus Manager LLC
Rachel.Goodfriend@ALConsulting.us

September 28, 2021

Natalie Quinn
City of Poughkeepsie
62 Civic Center Plaza
3rd Floor
Poughkeepsie, NY 12601

Re: **Wallace Campus Project: September 2021 updates**

Dear Ms. Quinn:

Enclosed is a proposed revised Site Plan designed to address Planning Board, City consultant, County Planning Department, and public comments. The purpose of the Site Plan revision is to enhance compliance with the recently enacted PID zoning and confirm the Applicant's continuing efforts to work with the City to bring an excellent project to fruition. The key characteristics of the proposed modified Site Plan [hereafter, "Reduced Size Plan"] are:

**Features eliminated:**

- Height Variances eliminated: All height variance requests pertaining to both the Main Street and Catharine Street buildings have been eliminated.
- Reduction in unit count: The number of apartment units has been reduced from 214 to 187 units.
- Elimination of climbing gym and day care facility: In response to comments these large uses have been eliminated.

**Features modified:**

- The range of unit sizes was adjusted: More multi-bedroom units were added. Two-bedrooms increased from 25 to 39 units. Three-bedrooms increased from 0 to 9 units.

- Commercial space available for rent has increased: The 7-Story/Daycare Plan proposed 6,416 sf of retail commercial space. The Reduced Size Plan provides 14,235 sf of retail commercial space, providing more flexibility to meet a variety of future pedestrian-oriented commercial tenancies.

- Vehicular circulation has been modified to eliminate the double drive aisles and proposed drop-off area required by the Daycare use: The revised plan provides one way exit and entrance in a manner that provides the greatest sight distance for exiting vehicles on Mill Street. The revised plan provides 63 parking spaces, exceeding the parking demand of site uses. See enclosed Traffic Report by Colliers, dated September 28, 2021.

**Features maintained:**

- High Quality Architectural Design: The reduced size project maintains the same high-quality architecture. See Architectural Drawing Set by SLCE Architects, submitted herewith.

- Pedestrian interconnection between Main Street and Mill Street: The Reduced Size Plan maintains the Promenade and pedestrian walkway between Main Street and Mill Street.

- Wallace Green: The privately maintained, but publicly accessible green space known as Wallace Green, including the tiered seating area.

- Consolidation of entrances with neighboring properties/shared parking: The project continues to provide for consolidation of access into the block, sharing access and parking with adjoining properties at 302, 304, 306 Mill Street parcels and with Hudson River Housing.

Enclosed is a Project Narrative describing the Reduced Size Project, which provides further details on all aspects of the project.

We would like to schedule a staff-level meeting with you and your review team at your earliest convenience to discuss the proposed plans. We would like to discuss the zoning determination for the revised plan with Judith Knauss, and confirm PID design compliance, before proceeding to prepare the full Site Plan set. We would also appreciate any feedback on the plans, architecture, and circulation and parking. We believe that the reduced size plan creates reduced impacts as compared to the 7-Story/Daycare Plan, and the EAF will require only minor amendments to include reference to the revised plan. We also recognize that the modified plan would have to be re-referred to Dutchess County Planning for their 239-m review. Since the plan reduces the size of the project, we do not believe that it requires a re-circulation to all City Departments, but we would like to confirm the review process moving forward relating to the reduced-size plan.

ALC
Planning & Development

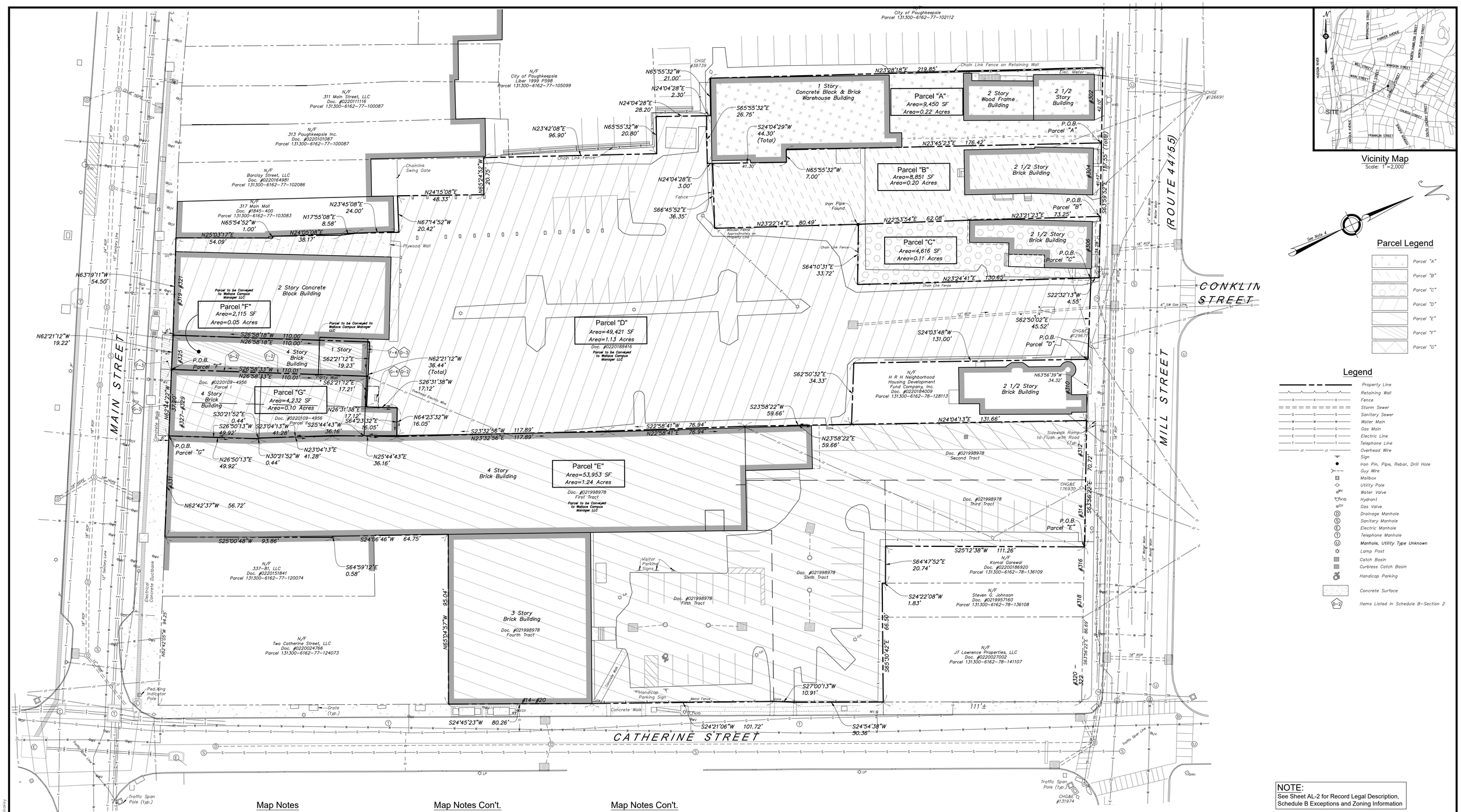
Thank you for your continued and thoughtful review of Wallace Campus project. We look forward to working with you towards bringing the project to fruition.

Thank you,

Rachel Goodfriend

A Larovere Consulting and Development

cc: Jennifer Van Tuyl – Cuddy + Feder LLP
Ken Casamento – LRC
Richard D'Andrea – Colliers
Emanuel Kokinakis – Mega Development




## Certification

To: Chicago Title Insurance Company
Leviticus 25:23 Alternative Fund, Inc., its successors and/or assigns

This is to certify that this map or plat and the survey on which it is based were made in accordance with the 2016 Minimum Standard Detail Requirements for ALTA/ACSM Land Title Surveys, jointly established and adopted by ALTA and NSPS, and includes items 1, 2, 3, 4, 6a, 6b, 7a, 7b(1)(2), 7c, 8, 9, 10a, 11, 13, 14, 16, 17, 18, 19, 20 & 21 of Table A thereof. The field work was completed on February 17, 2021.

I hereby declare this map to be prepared in accordance with the Code of Practice of the New York State Association of Land Surveyors, adopted October, 1998 and revised through July 18, 1997.

JOHN D. WAGENBLATT L.S. No. 050,547

## Map Notes

1. Unauthorized alteration or addition to a survey map bearing a licensed land surveyor's seal is a violation of section 7209, sub-division 2, of the New York State Education Law.
2. Only copies from the original of this survey marked with an original of the land surveyor's seal shall be considered to be a true copy.
3. The above certification shall run only to the person for whom the survey is prepared ,, and on his behalf to the title company, governmental agency and lending institution. Certifications are not transferable to additional institutions or subsequent owners.
4. North Arrow and bearings are referenced to the North American Datum (NAD) of 1983 projected onto the New York East State Plane Coordinate based on GPS observations made on February 10, 2020 utilizing the Keystone KeyNetGPS VRS GPS network.
5. Field survey was completed on March 12, 2020.
6. Reference is made to the following maps:
   A. "Map of Survey Prepared for Urban Green Equities LLC, City of Poughkeepsie, Dutchess County, New York," scale 1"=20", dated February 7, 2020, prepared by J. Williams Komisar, L.L.S.
   B. "Survey of Con-Mar Realty, Inc., City of Poughkeepsie, Dutchess Co., N.Y.," scale 1"=10', dated October 5, 1962, prepared by John Drumgould, map on file in the Dutchess County Clerk's Office as map #3097.
   C. "Map of Property in Pughkeepsie Formerly Belonging to the Estate of Smith Thompson," dated April 26, 1848, prepared by L.M. Northrop, map on file in the Dutchess County Clerk's Office as map #109.
   D. Map prepare by John Ogden Surveyor, scale 1"=30', dated September 22, 1925, map on file in the Dutchess County Clerk's Office as map #1405.
   E. Map of Garden Street, dated June 15, 1970, map on file in the Dutchess County Clerk's Office as map #1636.
7. Property is located in Zone "X" areas determined to be located outside of the 0.2% annual chance floodplain as depicted on Flood Insurance Rate Map (FIRM) Panel 0358E, Dutchess County, New York, City of Poughkeepsie, community number 360222, map number 36027C0358E, effective date: May 2, 2012.

## Map Notes Con't.

8. The subsurface utilities depicted hereon conform to the following Utility Quality Levels, as defined by the American Society of Civil Engineers (ASCE) in Document C/ASCE 38-02 titled "Standard Guidelines for the Collection and Depiction of Existing Subsurface Utility Data":
   - Sanitary Sewer: QLC
   - Storm Sewer: QLC
   - Water: QLC and QLD
   - Natural Gas: QLC and QLD
   - Electric: QLC and QLD
   - Communications: QLC and QLD

   The subsurface utilities were compiled from parol evidence, record drawings, and surficial evidence located during the field survey. The Surveyor has not physically exposed the subsurface utilities, and makes no guarantee that the subsurface utilities depicted hereon comprise all such utilities within the surveyed area, either in service or abandoned. The Surveyor further does not warrant or guarantee that the subsurface utilities are in the exact location depicted, though they have been plotted, in accordance with the standard of care, from information available.

   The contractor is required to utilize the local utility one call system prior to excavation for the purpose of verifying the subsurface utilities in the area.
9. Reference is made to the following Commitment for Title Insurance issued by Chicago Title Insurance Company:
   a. Parcel D&E - Commitment Title Number CT20-00618-D, date of application 09/14/2020
   b. Parcel F - Commitment Title Number CT20-00584-D, date of application 09/02/2020
   c. Parcel G - Commitment Title Number CT20-00619-D, date of application 09/14/2020
10. There is no observable evidence on the subject property of earth moving, building construction, or building additions within recent months.
11. There is no observable evidence on the subject property of changes in street right-of-way lines either completed or proposed, or observable evidence on the subject property of recent street or sidewalk repairs.
12. There is no observable evidence on the subject property of use as a solid waste dump, sump or sanitary landfill.

## Map Notes Con't.

13. There is no observable evidence of field delineation of wetlands on the subject property.
14. There is no observable evidence on the subject property of watercourses or water bodies such as streams, lakes or ponds.
15. There is no observable evidence on the subject property of gravesites, cemeteries, or burial grounds.
16. Except as depicted or noted, there are no observable easements or rights of way of on the subject property which the undersigned has been advised.
17. Except as depicted or noted on the survey, there are no observable above-ground encroachments of (a) improvements on the subject property upon adjoining properties, streets, or alleys or (b) improvements on adjoining properties, streets. or alleys upon the subject property.
18. The subject property has access to and from Main Street and Mill Street, a duly dedicated and accepted public street or highway.
19. The total number of marked parking spaces on the subject parcel is 58, including 1 designated handicapped space.
20. Except as depicted or noted hereon there are no party walls located on the subject property.
21. There are no gaps, gores, or overlaps in the legal description.

### PROPERTY OWNER SUMMARY

| PARCEL | OWNER | GRID # | STREET ADDRESS | DEED/DOCUMENT REFERENCE |
|---|---|---|---|---|
| A | POK MILL, LLC | 131300-6162-77-102116 | #302 MILL STREET | 220191460/PARCEL C |
| B | POK MILL, LLC | 131300-6162-77-116114 | #304 MILL STREET | 220191460/PARCEL B |
| C | POK MILL, LLC | 131300-6162-77-121116 | #306 MILL STREET | 220191460/PARCEL A |
| D | IIC PROPERTIES, INC. | 131300-6162-77-114098 | #319 MAIN STREET | 0220188416 |
| E | IIC PROPERTIES, INC. | 131300-6162-77-127091 | #331 MAIN STREET | 021998978 |
| F | POK 325 MAIN, LLC | 131300-6162-77-109079 | #325 MAIN STREET | 22019-1701 |
| G | KEY MAIN, LLC | 131300-6162-77-109077 | #327-#329 MAIN STREET | 0220109-4956 |

NOTE:
See Sheet AL-2 for Record Legal Description, Schedule B Exceptions and Zoning Information

GRAPHIC SCALE
20 0 10 20 40 80
(FEET)
1 inch = 20 ft.

Sheet 1 of 2

| No. | Date | Revisions |
|---|---|---|
| 2 | 04/13/21 | REVISED PER ATTORNEY COMMENTS |
| 1 | 03/31/21 | REVISED PER ATTORNEY COMMENTS |


LRC GROUP
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160 West Street, Suite E
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Poughkeepsie NY 12601
Tel: 845.243.2880

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LRC Engineering & Surveying, DPC
LRC Engineering & Surveying, LLC
LRC Environmental Services, Inc.


# ALTA/NSPS LAND TITLE SURVEY

PREPARED FOR
URBAN GREEN EQUITIES, LLC
PROPERTIES OF
IIC PROPERTIES, LLC, POK MILL, LLC,
POK 325 MAIN, LLC & KEY MAIN, LLC
TO BE CONVEYED TO
WALLACE CAMPUS MANAGER LLC
MAIN STREET, CATHERINE STREET & MILL STREET
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NEW YORK

| | | | |
|---|---|---|---|
| Design/Calcs | JFW | CAD File | ALTA202548A.dwg |
| Drawn | RN | Project No. | 20-2548 |
| Checked | JFW | Date | 2/19/2021 |
| Approved | JFW | Scale | 1"=20' |

Sheet No. AL-1

Z:\LANDRESOURCECONSULTANTS\2020 Jobs\20-2548A Urban Green ALTA\DWG\ALTA202548A.dwg 6/1/2021 8:39 AM Bthokley

## Record Legal Description

*The land referred to herein below is situated in the County of Dutchess, State of New York, and described as follows:*

*PARCEL "A"*
*Area: 9,450 S.F.*
*0.22 Acres*

*Beginning at a point in the southerly right of way line of Mill Street said point being the following five (5) courses and distances from the intersection of the said southerly right of way line of Mill Street with the westerly street line of Catherine Street N63°56'22"W 157.41 feet, N63°56'39"W 34.32 feet, N62°50'02"W 45.52 feet, N22°32'13"W 4.55 feet and N63°59'52"W 75.45 feet said beginning point is also the northwest corner of Parcel "B" and the northeast corner of herein described parcel;*

*Thence running southerly, easterly and southerly again the following three (3) courses and distances along said Parcel "B" S23°45'23"W 176.42 feet, S65°55'32"E 7.00 feet and S24°04'29"W 44.30 feet to a point in the northerly property line of Parcel "D" the previous three (3) courses and distances is partially along the face of a concrete block & brick building;*

*Thence running N65°55'32"W 26.75 feet along said Parcel "B" to a point in the easterly property line of land now or formerly of City of Poughkeepsie;*

*Thence running northerly, westerly, and northerly again the following three (3) courses and distances along land now or formerly of said City of Poughkeepsie N24°04'28"E 2.30 feet, N65°55'32"W 21.00 feet and N23°28'18"E 219.85 feet to a point in the southerly right of way line of Mill Street (Route 44/55);*

*Thence running S63°59'53"E 42.10 feet along the said southerly right of way line of Mill Street to the point or place of beginning.*

*PARCEL "B"*
*Area: 8,851 S.F.*
*0.20 Acres*

*Beginning at a point in the southerly right of way line of Mill Street said point being the following five (5) courses and distances from the intersection of the said southerly right of way line of Mill Street with the westerly street line of Catherine Street N63°56'22"W 157.41 feet, N63°56'39"W 34.32 feet, N62°50'02"W 45.52 feet, N22°32'13"W 4.55 feet and N63°59'52"W 34.28 feet said beginning point is also the northwest corner of Parcel "C" and the northeast corner of herein described parcel;*

*Thence running southerly the following two (2) courses and distances along Parcel "C" S23°21'23"W 73.25 feet and S22°53'54"W 62.08 feet to an iron pipe found at the southwest corner of said Parcel "C";*

*Thence running southerly and westerly the following two (2) courses and distances along Parcel "D" S23°22'14"W 80.49 feet and N66°45'52"W 36.35 feet to a point in the easterly property line of Parcel "A";*

*Thence running the following three (3) courses and distances along said Parcel "A" N24°04'29"E 41.30 feet, N65°55'32"W 7.00 feet and N23°45'23"E 176.42 feet to a point in the southerly right of way line of Mill Street (Route 44/55) the previous three (3) courses and distances are partially along the face of a concrete block and brick building;*

*Thence running S63°59'52"E 41.17 feet along the said southerly right of way line of Mill Street to the point or place of beginning.*

*PARCEL "C"*
*Area: 4,616 S.F.*
*0.11 Acres*

*Beginning at a point in the southerly right of way line of Mill Street said point being the following three (3) courses and distances from the intersection of the said southerly right of way line of Mill Street with the westerly street line of Catherine Street N63°56'22"W 157.41 feet, N63°56'39"W 34.32 feet and N62°50'02"W 45.52 feet said beginning point is also the northwest corner of Parcel "D" and on the easterly property line of the herein described parcel;*

*Thence running southerly and westerly the following two (2) courses and distances along said Parcel "D" S23°24'41"W 130.65 feet and N64°10'31"W 33.72 feet to an iron pipe found in the easterly property line of Parcel "B";*

*Thence running northerly the following two (2) courses and distances along said Parcel "B" N22°53'54"E 62.08 feet and N23°21'23"E 73.25 feet to a point in the southerly right of way line of Mill Street ( Route 44/55);*

*Thence running easterly and southerly the following two (2) courses and distances along the said right of way line of Mill Street (Route 44/55) S63°59'52"E 34.28 feet and S22°32'13"W 4.55 feet to the point or place of beginning.*

*PARCEL "D"*
*Area: 49,421 S.F.*
*1.13 Acres*

*Beginning at a point in the southerly right of way line of Mill Street said point being the following two (2) courses and distances from the intersection of the said southerly right of way line of Mill Street with the westerly street line of Catherine Street N63°56'22"W 157.41 feet and N63°56'39"W 34.32 feet said beginning point is the northwest corner of land now or formerly of HRH Neighborhood Housing Development Fund Company, Inc. and the northeast corner of the herein described parcel;*

*Thence running southerly and easterly the following two (2) courses and distances along land now or formerly of said HRH Neighborhood Housing Development Fund Company, Inc. S24°03'48"W 131.00 feet and S62°50'32"E 34.33 feet to a point in the westerly property line of Parcel "E";*

*Thence running southerly the following three (3) courses and distances along the said westerly property line of Parcel "E" S23°58'22"W 59.66 feet, S22°58'41"W 76.94 feet and S23°32'56"W 117.89 feet to the northeast corner of Parcel "G" the previous three (3) courses and distances being partially along the face of a brick building;*

*Thence running westerly, southerly, westerly again and southerly again the following four (4) courses and distances along said Parcel "G" and Parcel "F" partially by each N64°23'32"W 16.05 feet, S26°31'38"W 17.12 feet, N62°21'12"W 36.44 feet the previous three (3) courses and distances being along the face of two (2) brick buildings and S26°58'18"W 110.00 feet to a point in the northerly street line of Main Street the previous courses and distance being through a portion of the brick building of Parcel "F" along the face there of;*

*Thence running N63°19'11"W 54.50 feet along the said northerly street line of Main Street to the southeast corner of land now or formerly of 317 Main Mall;*

*Thence running northerly, westerly, northerly again, westerly again, and northerly the following eight (8) courses and distances along land now or formerly of said 317 Main Mall and land now or formerly of Barclay Street, LLC partly be each N25°03'17"E 54.09 feet, N65°54'52"W 1.00 feet, N24°05'08"E 38.17 feet, N17°55'08"E 8.58 feet, N23°45'08"E 24.00 feet, the previous five (5) courses and distances being along the face of a building N67°14'52"W 20.42 feet, N24°15'08"E 48.33 feet and N65°24'52"W 20.75 feet to a point in the easterly property line of land now or formerly of 313 Poughkeepsie Inc.;*

*Thence running northerly, westerly and northerly again the following three (3) courses and distances along land now or formerly of said 313 Poughkeepsie Inc. and land now or formerly of City of Poughkeepsie partly be each N23°42'08"E 96.90 feet, N65°55'32"W 20.80 feet and N24°04'28"E 28.20 feet to a point in the southerly property line of Parcel "A";*

*Thence running easterly, northerly, easterly again, and northerly again the following four (4) courses and distances along said Parcel "A" and Parcel "B" partly by each S65°55'32"E 26.75 feet, N24°04'28"E 3.00 feet, S66°45'52"W 36.35 feet and N23°22'14"E 80.49 feet to an iron pipe found at the southwest corner of Parcel "C";*

*Thence running easterly and northerly the following two (2) courses and distances along said Parcel "C" S64°10'31"E 33.72 feet and N23°24'41"E 130.65 feet to a point in the southerly right of line of Mill Street;*

*Thence running S62°50'02"E 45.52 feet along the said southerly right of way line of Mill Street to the point or place of beginning.*

## Record Legal Description

*PARCEL "E"*
*Area: 53,953 S.F.*
*1.24 Acres*

*Beginning at a point in the southerly right of way line of Mill Street said point N63°56'22"W 86.89 feet from the intersection of the said southerly right of way line of Mill Street with the westerly street line of Catherine Street said beginning point is the northwest corner of land now or formerly of Komal Garewal and the northeast corner of the herein described parcel;*

*Thence running southerly, easterly, southerly again and easterly again the following four (4) courses and distances along land now or formerly of said Komal Garewal, land now or formerly of Steven G. Johnson and land now or formerly of JT Lawrence Properties, LLC partly by each S25°12'38"W 111.26 feet, S64°47'52"E 20.74 feet, S24°22'08"W 1.83 feet and S65°30'42"E 66.50 feet to a point in the westerly street line of Catherine Street;*

*Thence running southerly the following four (4) courses and distances along the said westerly street line of Catherine Street S24°54'38"W 50.36 feet, S27°00'13"W 10.91 feet, S24°21'06"W 101.72 feet and S24°45'23"W 80.26 feet to the northeast corner of land now or formerly of Two Catherine Street, LLC the previous course and distance being along the face of a brick building;*

*Thence running westerly and southerly the following four (4) courses and distances along land now or formerly of said Two Catherine Street, LLC and land now or formerly of 337-81, LLC partially by each N65°04'57"W 95.04 feet, S24°06'46"W 64.75 feet, S64°59'12"E 0.58 feet and S25°00'48"W 93.86 feet to a point in the northerly street line of Main Street the previous four (4) courses and distances being generally along the face of a brick building;*

*Thence running N62°42'37"W 56.72 feet along the said northerly street line of Main Street to the southeast corner of Parcel "G";*

*Thence running northerly the following eight (8) courses and distances along said Parcel "G", Parcel "D" and land now or formerly of HRH Neighborhood Housing Development Fund Company, Inc. partially by each N26°50'13"E 49.92 feet, N30°21'52"W 0.44 feet, N23°04'13"E 41.28 feet, N25°44'43"E 36.16 feet, N23°32'56"E 117.89 feet, N23°58'41"E 76.94 feet, N23°58'22"E 59.66 feet and N24°04'13"E 131.66 feet to a point in the southerly right of way line of Mill Street (Route 44/55);*

*Thence running S63°56'22"E 70.72 feet along the said southerly right of way line of Mill Street to the point or place of beginning.*

*PARCEL "F"*
*Area: 2,115 S.F.*
*0.05 Acres*

*Beginning at a point in the northerly street line of Main Street said point being the following three (3) courses and distances from the intersection of the said northerly street line of Main Street with the westerly street line of Catherine Street N62°42'05"W 94.25 feet, N62°42'37"W 56.72 feet and N62°44'22"W 37.20 feet said beginning point is the southwest corner of Parcel "G" and the southeast corner of the herein described parcel;*

*Thence running N62°21'12"W 19.22 feet along the said northerly street line of Main Street to the southeast corner of Parcel "D";*

*Thence running northerly and easterly the following two (2) courses and distances along said Parcel "D" N26°58'18"E 110.00 feet the previous course and distance being through a portion of the brick building on Parcel "D" and along the face and S62°21'12"E 19.23 feet to the northwest corner of Parcel "G";*

*Thence running S26°58'33"W 110.01 feet along said Parcel "G" to the point or place of beginning.*

*PARCEL "G"*
*Area: 4,232 S.F.*
*0.10 Acres*

*Beginning at a point in the northerly street line of Main Street said point being the following two (2) courses and distances from the intersection of the said northerly street line of Main Street with the westerly street line of Catherine Street N62°42'05"W 94.25 feet and N62°42'37"W 56.72 feet said beginning point is the southwest corner of Parcel "E" and the southeast corner of the herein described parcel;*

*Thence running N62°44'22"W 37.20 feet along the said northerly street line of Main Street to the southeast corner of Parcel "F";*

*Thence running N26°58'33"W 110.01 feet along Parcel "F" to a point in the southerly property line of Parcel "D" the previous course and distance being along the face of two brick buildings;*

*Thence running easterly, northerly and easterly again the following three (3) courses and distances along said Parcel "D" S62°21'12"E 17.21 feet, N26°31'38"E 17.12 feet and S64°23'32"E 16.05 feet to a point in the westerly property line of Parcel "E" the previous three (3) courses and distances being along the face of a brick building;*

*Thence running southerly the following four (4) courses and distances along the westerly property line of said Parcel "E" S25°44'33"W 36.16 feet, S23°04'13"W 41.28 feet, S30°21'52"E 0.44 feet and S26°50'13"W 49.92 feet to the point or place of beginning.*

*PARCELS "D – G"*
*Area: 53,953 S.F.*
*1.24 Acres*

*Beginning at a point in the southerly right of way line of Mill Street said point N63°56'22"W 86.89 feet from the intersection of the said southerly right of way line of Mill Street with the westerly street line of Catherine Street said beginning point is the northwest corner of land now or formerly of Komal Garewal and the northeast corner of the herein described parcel;*

*Thence running southerly, easterly, southerly again and easterly again the following four (4) courses and distances along land now or formerly of said Komal Garewal, land now or formerly of Steven G. Johnson and land now or formerly of JT Lawrence Properties, LLC partly by each S25°12'38"W 111.26 feet, S64°47'52"E 20.74 feet, S24°22'08"W 1.83 feet and S65°30'42"E 66.50 feet to a point in the westerly street line of Catherine Street;*

*Thence running southerly the following four (4) courses and distances along the said westerly street line of Catherine Street S24°54'38"W 50.36 feet, S27°00'13"W 10.91 feet, S24°21'06"W 101.72 feet and S24°45'23"W 80.26 feet to the northeast corner of land now or formerly of Two Catherine Street, LLC the previous course and distance being along the face of a brick building;*

*Thence running westerly and southerly the following four (4) courses and distances along land now or formerly of said Two Catherine Street, LLC and land now or formerly of 337-81, LLC partially by each N65°04'57"W 95.04 feet, S24°06'46"W 64.75 feet, S64°59'12"E 0.58 feet and S25°00'48"W 93.86 feet to a point in the northerly street line of Main Street the previous four (4) courses and distances being generally along the face of a brick building;*

*Thence running westerly the following four (4) courses and distances along the said northerly street line of Main Street N62°42'37"W 56.72 feet, N62°44'22"W 37.20 feet, N62°21'12"W 19.22 feet and N63°19'11"W 54.50 feet the previous four (4) courses and distances along the face of existing buildings to the southeast corner of land now or formerly of 317 Main Mall;*

*Thence running northerly, westerly, northerly again, westerly again, and northerly the following eight (8) courses and distances along land now or formerly of said 317 Main Mall and land now or formerly of Barclay Street, LLC partly be each N25°03'17"E 54.09 feet, N65°54'52"W 1.00 feet, N24°05'08"E 38.17 feet, N17°55'08"E 8.58 feet, N23°45'08"E 24.00 feet, the previous five (5) courses and distances being along the face of a building N67°14'52"W 20.42 feet, N24°15'08"E 48.33 feet and N65°24'52"W 20.75 feet to a point in the easterly property line of land now or formerly of 313 Poughkeepsie Inc.;*

*Thence running northerly, westerly and northerly again the following three (3) courses and distances along land now or formerly of said 313 Poughkeepsie Inc. and land now or formerly of City of Poughkeepsie partly be each N23°42'08"E 96.90 feet, N65°55'32"W 20.80 feet and N24°04'28"E 28.20 feet to a point in the southerly property line of Parcel "A";*

*Thence running easterly, northerly, easterly again, and northerly again the following four (4) courses and distances along said Parcel "A" and Parcel "B" partly by each S65°55'32"E 26.75 feet, N24°04'28"E 3.00 feet, S66°45'52"W 36.35 feet and N23°22'14"E 80.49 feet to an iron pipe found at the southwest corner of Parcel "C";*

*Thence running easterly and northerly the following two (2) courses and distances along said Parcel "C" S64°10'31"E 33.72 feet and N23°24'41"E 130.65 feet to a point in the southerly right of line of Mill Street;*

*Thence running S62°50'02"E 45.52 feet along the said southerly right of way line of Mill Street to the northwest corner of land now or formerly of HRH Neighborhood Housing Development Fund Company, Inc.;*

*Thence running southerly, easterly and northerly the following three (3) courses and distances along land now or formerly of said HRH Neighborhood Housing Development Fund Company, Inc. S24°03'48"W 131.00 feet, S62°50'32"E 34.33 feet and N24°04'13"E 131.66 feet to a point in the southerly right of way line of Mill Street;*

*Thence running S63°56'22"E 70.72 feet along the said southerly right of way line of Mill Street to the point or place of beginning.*

## Items Corresponding to Schedule B Section 2

*PARCEL D&E*

D–2 *Emergency Access Easement Agreement by and between Hay–Rit and Patricia A. Longbard, as Trustee of the Catherine Alice Walker 2002 Minor Trust and the Regina Hynes Walker 2002 Minor Trust dated 03/17/2006, recorded 03/31/2006 in Document No. 02–2006–2612 (Affects Parcel I) (Affects Parcel & noted on survey)*

D–3 *Agreement between Hay–Rit and 321 Main Street LLC dated 08/22/2006, recorded 09/06/2006 in Document No. 02–2006–7299. (Affects Parcel & noted on survey)*

*PARCEL F*

F–2 *Party Wall Agreement contained in Deed from Isadore Wurtzel and Augusta Wurtzel, his wife to Harold Rosen dated 04/16/1945, recorded 04/17/1945 in Liber 624 cp 587, as repeated in Deeds recorded in Liber 1338 cp 156, Liber 1729 cp 528. (Affects Parcel & noted on survey)*

F–3 *Reservation of Easement contained in Deed from Zimmer Brothers, Inc. to Poughkeepsie Urban Renewal Agency dated 07/26/1973, recorded 02/11/1974 in Liber 1377 cp 387. (Affects Parcel & noted on survey)*

F–4 *Agreement between HAY–RIT, a New York Limited Partnership and 321 Main Street LLC dated 08/22/2006, recorded 09/06/2006 in Document No. 02–2006–7299, which easement provides for emergency pedestrian traffic egress upon the grantor's property. (Affects Parcel & noted on survey)*

*PARCEL G*

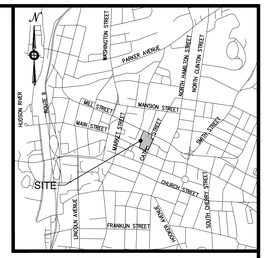
G–2 *Party Wall Rights contained in Deed from Louis Schonberger to Louis Schonberger and Rose S. Schonberger, his wife dated 5/8/1934, recorded 5/9/1934 in Liber 538 cp 163. (Affects Parcel II) (Affects Parcel & noted on survey)*

G–3 *Reservation of Easement contained in Deed from Zimmer Brothers, Inc. to Poughkeepsie Urban Renewal Agency dated 7/26/1973, recorded 2/11/1974 in Liber 1377 cp 384. (Affects Parcel II) (Affects Parcel & noted on survey)*

G–4 *Agreement for Emergency Access between Hay–Rit and Patricia A. Longbard, as Trustee of the Catherine Alice Walker 2002 Minor Trust and the Regina Hynes Walker 2002 Minor Trust dated 3/17/2006, recorded 3/31/2006 in Document No. 02–2006–2612. (Affects Parcel & noted on survey)*

## Zoning Table

*Zoning Report Not Provided*




Vicinity Map
Scale: 1"=2,000'

## Certification

*To: Chicago Title Insurance Company*
*Leviticus 25:23 Alternative Fund, Inc., its successors and/or assigns*

*This is to certify that this map or plat and the survey on which it is based were made in accordance with the 2016 Minimum Standard Detail Requirements for ALTA/ACSM Land Title Surveys, jointly established and adopted by ALTA and NSPS, and includes items 1, 2, 3, 4, 6a, 6b, 7a, 7b(1)(2), 7c, 8, 9, 10a, 11, 13, 14, 16, 17, 18, 19, 20 & 21 of Table A thereof. The field work was completed on February 17, 2021.*

*I hereby declare this map to be prepared in accordance with the Code of Practice of the New York State Association of Land Surveyors, adopted October, 1998, and revised through July 18, 1997.*

STATE OF NEW YORK · JOHN F. WAGENBLATT · 050547 · LICENSED LAND SURVEYOR

JOHN F. WAGENBLATT L.S. No. 050,547

| # | Date | Description |
|---|---|---|
| 2 | 04/28/21 | REVISED PER ATTORNEY COMMENTS |
| 1 | 03/31/21 | REVISED PER ATTORNEY COMMENTS |

Revisions


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■ Civil Engineering
■ Environmental Services
■ Land Surveying
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LRC Engineering & Surveying, LLC
LRC Environmental Services, Inc.


# ALTA/NSPS LAND TITLE SURVEY

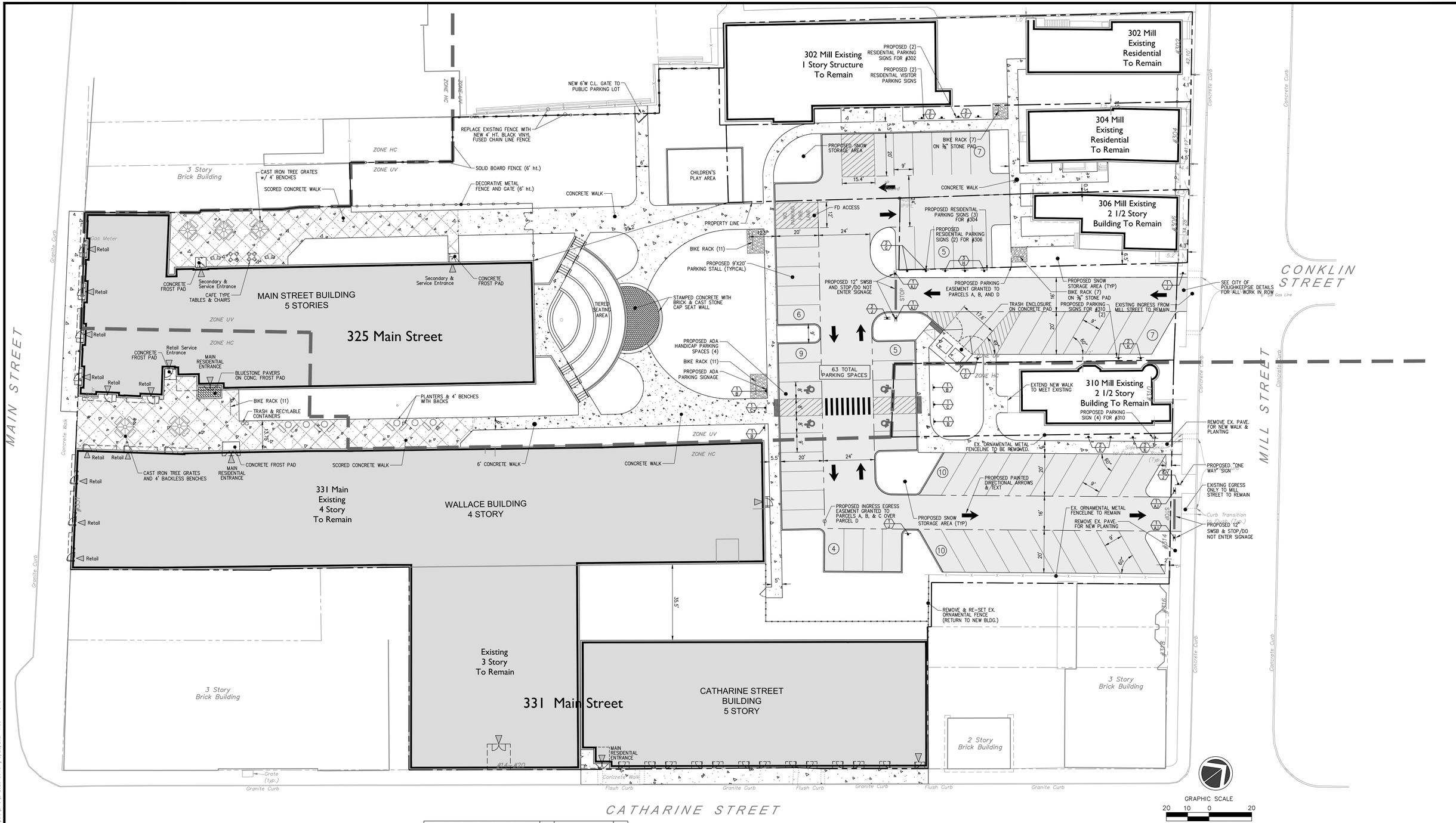
PREPARED FOR
URBAN GREEN EQUITIES, LLC
PROPERTIES OF
IIC PROPERTIES, LLC, POK MILL, LLC,
POK 325 MAIN, LLC & KEY MAIN, LLC
TO BE CONVEYED TO
WALLACE CAMPUS MANAGER LLC
MAIN STREET, CATHERINE STREET & MILL STREET
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NEW YORK

| | | | |
|---|---|---|---|
| Design/Calcs | JFW | CAD File | ALTA202548A.dwg |
| Drawn | RN | Project No. | 20–2548 |
| Checked | JFW | Date | 2/19/2021 |
| Approved | JFW | Scale | 1"=20' |

Sheet No. AL-2

Sheet 2 of 2

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## GENERAL MAP NOTE:

ACCESS, SHARED PARKING, AND LANDSCAPING IMPROVEMENTS WITH ADJOINING PARCELS:

THE WALLACE CAMPUS DRAWING SETS FORTH THE BOUNDARIES OF THE WALLACE CAMPUS CONSOLIDATED LOT AND SHOWS THE SITE PLAN FOR THAT LOT. FOUR ADJOINING PARCELS OUTSIDE THE WALLACE CAMPUS ARE ALSO SHOWN ON THE DRAWING SET, FOR THE LIMITED PURPOSE OF DEPICTING THE OFF-SITE IMPROVEMENTS TO BE MADE ON THOSE PROPERTIES PURSUANT TO SHARED PARKING AND EASEMENT AGREEMENTS, AND TO SHOW THE MANNER IN WHICH THOSE PHYSICAL IMPROVEMENTS AND ACCESS PROVISIONS WILL IMPROVE PEDESTRIAN AND VEHICULAR CIRCULATION IN THE NEIGHBORHOOD, AS WELL AS LANDSCAPING, LIGHTING, AND COMMUNITY CHARACTER. THE PROJECT SPONSOR WILL ENTER INTO SHARED PARKING AND PERMANENT ACCESS EASEMENT AGREEMENTS WITH THE OWNERS OF THESE ADJOINING PARCELS, WHICH WILL BE APPROVED BY THE PLANNING BOARD AS PART OF THE PROJECT APPROVALS. THE DRAWING SET DEPICTS THE OFF-SITE WORK TO BE PERFORMED BY THE PROJECT SPONSOR ON THESE PARCELS TO IMPLEMENT THE SHARED PARKING AND ACCESS AGREEMENTS. THE WORK ON 302, 304 AND 306 MILL STREET ("THE 3 MILL STREET LOTS") WOULD ELIMINATE TWO EXISTING CURB CUTS ON MILL STREET (BETWEEN 302 AND 304 MILL AND BETWEEN 304 AND 306 MILL), AND PROVIDE ADDITIONAL GREEN SPACE ON THOSE LOTS, INCLUDING ALONG THE MILL STREET FRONTAGE TO REPLACE THOSE DRIVEWAYS. THE WALLACE CAMPUS OWNER WILL PROVIDE A PERMANENT ACCESS EASEMENT TO THE OWNER OF THE 3 MILL STREET LOTS FOR THE BENEFIT OF OWNERS AND TENANTS, TO ACCESS THE PARKING AREAS LOCATED ON THESE LOTS VIA THE WALLACE CAMPUS ACCESS DRIVES. THE SHARED PARKING AGREEMENT WOULD MAINTAIN THE ALLOCATION OF DEDICATED PARKING (12 SPACES) TO THE 3 MILL STREET LOTS IN COMPLIANCE WITH THE PID ZONING. LIGHTING IMPROVEMENTS, PEDESTRIAN WALKWAYS, AND STORMWATER IMPROVEMENTS WILL BE PROVIDED TO SERVE THE OFFSITE SHARED PARKING AREAS IN THE SAME MANNER AS THE PARKING AREAS ON THE WALLACE CAMPUS PARCEL. PURSUANT TO A SEPARATE SHARED PARKING AGREEMENT WITH THE HUDSON RIVER HOUSING ("HRH") PROPERTY, THE PROJECT SPONSOR WILL BE GRANTED A PERMANENT EASEMENT TO CONSTRUCT PEDESTRIAN SIDEWALK PATHS WITHIN THE HUDSON RIVER HOUSING PROPERTY CONNECTING TO MILL STREET AND PROVIDING ACCESS FROM THAT PARKING AREA TO THE REAR ENTRANCE TO THE HRH OFFICE BUILDING, AND PARKING IMPROVEMENTS ALONG THE HRH LOT SOUTHERLY BOUNDARY THAT INTEGRATE WITH THE WALLACE CAMPUS PARKING AREA. LIGHTING IMPROVEMENTS AND LANDSCAPING WILL BE INSTALLED AS SHOWN ON THE DRAWING SET. THE PROJECT SPONSOR WILL PROVIDE HRH WITH A PERMANENT ACCESS EASEMENT TO USE THE TWO WALLACE CAMPUS MILL STREET ENTRANCES AND EXITS FOR ACCESS TO, AND USE OF, 6 PARKING SPACES WHICH ARE LOCATED ON WALLACE CAMPUS PROPERTY DIRECTLY ABUTTING THE WESTERLY BOUNDARY OF HRH'S PROPERTY (AS SHOWN ON THE DRAWING SET), WHICH SPACES WILL BE RESERVED FOR USE BY HRH EMPLOYEES DURING WORKING HOURS 8 AM TO 6 PM MONDAY TO FRIDAY. THE 6 SPACES TO BE AVAILABLE FOR WALLACE CAMPUS PARKING OUTSIDE OF THOSE HOURS.

## SIGN LEGEND

| NO. | LEGEND | QTY. |
|---|---|---|
| A | STOP | 4 |
| B | RESERVED PARKING | 4 |
| C | NO PARKING ANYTIME | 3 |
| D | 15 MIN DROP OFF | 0 |
| E | RESIDENTIAL VISITOR PARKING | 2 |
| F | RESIDENTIAL PARKING FOR #302 ONLY | 2 |
| G | RESIDENTIAL PARKING FOR #306 ONLY | 2 |
| H | RESIDENTIAL PARKING FOR #304 ONLY | 3 |
| I | DO NOT ENTER | 4 |
| J | ONE WAY | 5 |
| K | PARKING FOR #310 Weekdays 8am-6pm | 6 |

## LEGEND

- PROPOSED ASPHALT
- PROPOSED BLUESTONE WALK
- PROPOSED SNOW STORAGE AREA
- PROPOSED CONCRETE SIDEWALK
- PROPOSED SIGN
- ZONELINE

## SURVEY MAP NOTE:

SURVEY BASED ON ENTITLED "MAP OF SURVEY PREPARED FOR URBAN GREEN EQUITIES LLC" PREPARED BY J. WILLIAM KOMISAR, LLS DATED FEBRUARY 7, 2020.

NOTES:
1. THERE ARE NO EXISTING EASEMENTS OF RECORD.
2. PROPERTY IS NOT LOCATED WITHIN THE FALLKILL CREEK WATERSHED.
3. NO WATERCOURSE, MARSHES, WOODED AREA, ROCK OUTCROPS, ISOLATED TREES PRESENT.
4. NO AREAS SUBJECT TO STORM OVERFLOWS. (NOT IN FEMA 100 YEAR FLOOD PLANE)

| # | Date | Description |
|---|---|---|
| 2 | 07.10.20 | PLANNING BOARD RE-SUBMISSION |
| 3 | 11.03.20 | PLANNING BOARD RE-SUBMISSION |
| 4 | 01.05.21 | RESPONSE TO CONSULTANT COMMENTS |
| 5 | 03.02.21 | RESPONSE TO CONSULTANT COMMENTS |
| 6 | 05.07.21 | RESPONSE TO CONSULTANT COMMENTS |

Revisions

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- Environmental Services
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LRC Engineering & Surveying, LLC
LRC Environmental Services, Inc.

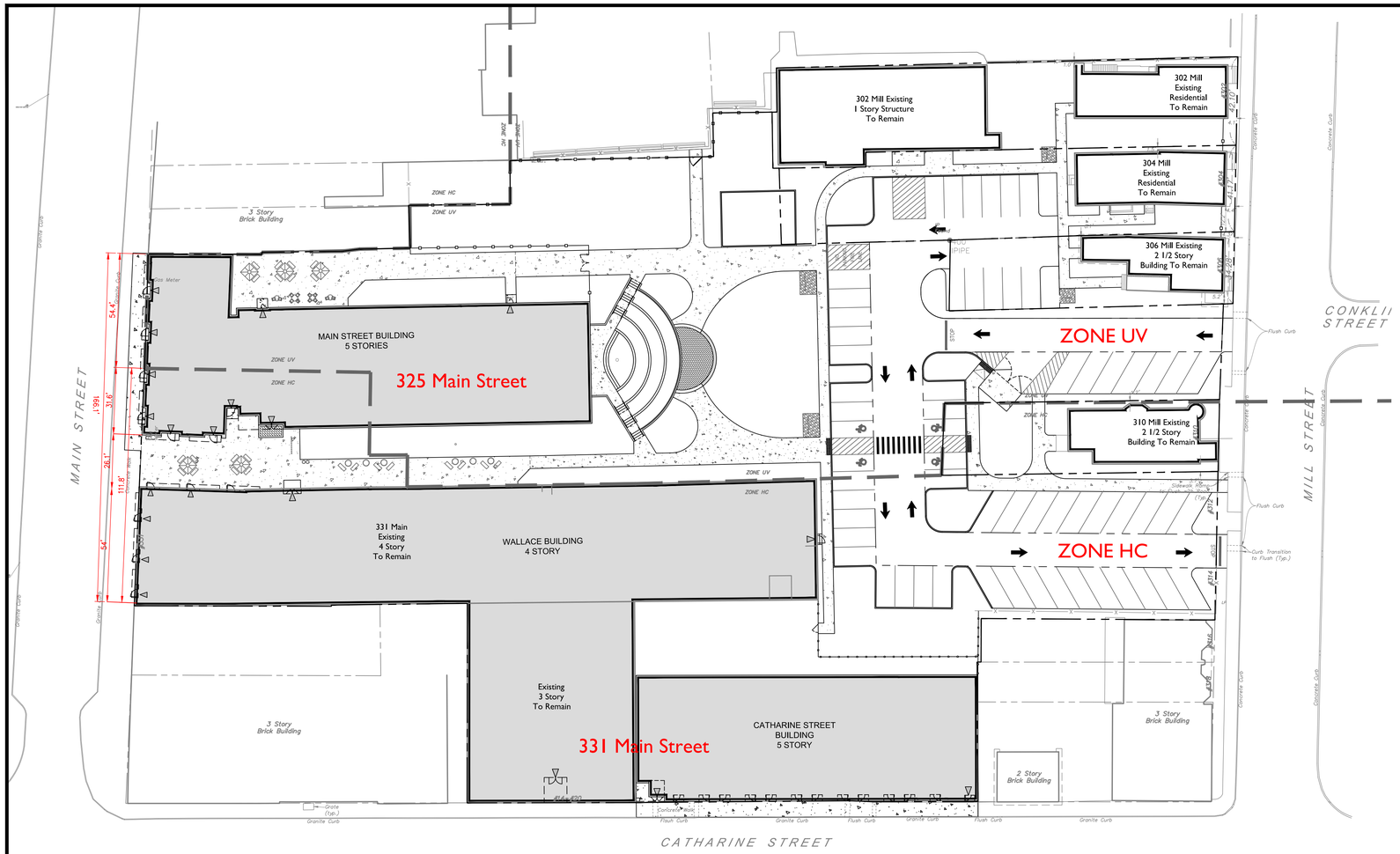
# SITE PLAN

## WALLACE CAMPUS MANAGER, LLC

WALLACE CAMPUS
CITY OF POUGHKEEPSIE,
DUTCHESS COUNTY, NEW YORK

| | | | | |
|---|---|---|---|---|
| Design/Calcs | LRC | CAD File | SP20254801.dwg | Sheet No. |
| Drawn | SMC | Project No. | 20-2548 | SP-1 |
| Checked | KFC | Date | 2020.04.10 | |
| Approved | REM | Scale | 1"=20' | |

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# BULK TABLES

## PROPOSED CONSOLIDATED LOT D:
## COMBINATION OF EXISTING LOTS D, E, F, AND G PARTIALLY LOCATED IN UV AND PARTIALLY LOCATED IN HC (HISTORIC CORE) ZONES

| ITEM | REQUIRED | EXISTING | PROVIDED | SEE PLAN |
|---|---|---|---|---|
| LOT AREA HC | N/A | 60,268.7 SQ FT | 60,268.7 SQ FT | SP-1 |
| LOT AREA UV | N/A | 49,433.6 SQ FT | 49,433.6 SQ FT | SP-1 |
| LOT AREA – TOTAL | N/A | 109,712.2 SQ FT | 109,712.2 SQ FT | SP-1 |
| MAIN STREET BUILDING HEIGHT<br>MINIMUM HEIGHT HC<br>MINIMUM HEIGHT UV<br>MAXIMUM HEIGHT HC<br>MAXIMUM HEIGHT UV | 2 STORIES<br>3 STORIES<br>5 STORIES<br>6 STORIES | | 5 STORIES | A200–A204 |
| EXISTING WALLACE BUILDING HEIGHT<br>MINIMUM HEIGHT HC<br>MAXIMUM HEIGHT HC(5,7) | 2 STORIES<br>5 STORIES | 4 STORIES | 4 STORIES | A200–A204 |
| CATHARINE STREET BUILDING HEIGHT<br>MINIMUM HEIGHT HC<br>MAXIMUM HEIGHT HC(5,7) | 2 STORIES<br>5 STORIES | | 5 STORIES | A200–A204 |
| MAXIMUM ACCESSORY BUILDING HEIGHT<br>HOUSING HC<br>HOUSING UV<br>OTHER HC<br>OTHER UV | 2 STORIES<br>2 STORIES<br>1 STORY<br>1 STORY | | N/A | A200–A204 |
| MINIMUM LOT COVERAGE HC | 75% REQ. | 54.98% (*1) | 85.86% (*4) | SP-1 |
| MINIMUM LOT COVERAGE UV | 50% REQ. | 11.24% (*1) | 60.17% (*4) | SP-1 |
| MINIMUM LOT COVERAGE – TOTAL | -- | 35.27% | 74.27% | SP-1 |
| MINIMUM COMMON/OPEN SPACE HC | 0% | 0% | 20.58% | SP-1 |
| MINIMUM COMMON/OPEN SPACE UV | 15% | 4.68% (*1) | 58.55% | SP-1 |
| MINIMUM COMMON/OPEN SPACE – TOTAL | 15% | 2.11% (*1) | 37.69% | SP-1 |
| SIDE YARD PER SIDE (MIN/MAX) HC– CATHARINE STREET | 0 FT | N/A | 0FT | SP-1 |
| SIDE YARD PER SIDE (MIN/MAX) UV – MAIN STREET | 0 FT / 10 FT | N/A | 0FT/25.8 (*2) | SP-1 |
| REAR YARD (MIN) HC | 0 FT | N/A | N/A | SP-1 |
| REAR YARD (MIN) UV | 8 FT | N/A | N/A | SP-1 |
| | | | | |
| MAIN STREET FRONT YARD (MIN/MAX) HC | 0 FT | 0 FT | 0 FT | SP-1 |
| MAIN STREET FRONT YARD (MIN/MAX) UV | 0 FT / 6 FT | 0 FT | 0 FT | SP-1 |
| MAIN STREET FRONTAGE OCCUPANCY (MIN/MAX) HC (*3) | 100% | N/A | 78.13% (*2) | SP-1 |
| MAIN STREET FRONTAGE OCCUPANCY (MIN/MAX) UV | 80%–100% | N/A | 100% | SP-1 |
| MAIN STREET FRONT YARD PARKING SETBACKS (MIN) HC/UV | 40 FT | 213.5FT | >40 FT | SP-1 |
| MAIN STREET PARKING FORWARD OF BUILDING LINE (HC/UV) | NONE | NONE | NONE | SP-1 |
| MAIN STREET REQUIRED BUILDING STEPBACK | OVER 114 FT<br>(TWICE ROW WIDTH) | N/A | N/A | SP-1 |
| | | | | |
| WALLACE BUILDING FRONT YARD (MIN/MAX) HC | 0 FT | 0 FT | 0 FT | SP-1 |
| WALLACE BUILDING FRONTAGE OCCUPANCY (MIN/MAX) HC (*3) | 100% | N/A | 78.13% (*2) | SP-1 |
| WALLACE BUILDING FRONT YARD PARKING SETBACKS (MIN) HC | 40 FT | N/A | >40 FT | SP-1 |
| WALLACE BUILDING PARKING FORWARD OF BUILDING LINE HC | NONE | NONE | NONE | SP-1 |
| | | | | |
| CATHARINE STREET FRONT YARD (MIN/MAX) HC | 0 FT | 0 FT | 0 FT | SP-1 |
| CATHARINE STREET FRONTAGE OCCUPANCY (MIN/MAX) HC | 100% | 32.99% (*1) | 100% | SP-1 |
| CATHARINE STREET FRONT YARD PARKING SETBACKS (MIN) HC | 40 FT | 8.4 FT (*1) | >40 FT | SP-1 |
| CATHARINE STREET PARKING FORWARD OF BUILDING LINE HC | NONE | NONE | NONE | SP-1 |
| CATHARINE STREET REQUIRED BUILDING STEPBACK | OVER 88 FT (TWICE ROW WIDTH) | N/A | N/A | SP-1 |
| | | | | |
| MILL STREET (EAST) FRONT YARD (MIN/MAX) HC | 0 FT | NO BUILDING/PARKING LOT ACCESS (*1) | NO BUILDING/ PARKING LOT ACCESS (*2) | SP-1 |
| MILL STREET (EAST) FRONTAGE OCCUPANCY (MIN/MAX) HC | 100% | 0% PARKING LOT ACCESS (*1) | 0% PARKING LOT ACCESS (*2) | SP-1 |
| MILL STREET (EAST) FRONT YARD PARKING SETBACKS (MIN) HC | 40 FT | 0 FT (*1) | 0 FT (*2) | SP-1 |
| MILL STREET (EAST) PARKING FORWARD OF BUILDING LINE HC | NONE | YES (*1) (NO BUILDING) | YES–NO BUILDING (*2) | SP-1 |
| MILL STREET (EAST) PARKING VISIBLE FROM THE STREET | NONE | YES PARKING LOT ACCESS (*1) | YES PARKING LOT ACCESS (*2) | |
| MILL STREET (WEST) FRONT YARD (MIN/MAX) UV | 0 FT / 6 FT | NO BUILDING/PARKING LOT ACCESS (*1) | NO BUILDING/PARKING LOT ACCESS (*2) | SP-1 |
| MILL STREET (WEST) FRONTAGE OCCUPANCY (MIN/MAX) UV | 80%–100% | 0% PARKING LOT ACCESS (*1) | 0% PARKING LOT ACCESS (*2) | SP-1 |
| MILL STREET (WEST) FRONT YARD PARKING SETBACKS (MIN) HC/UV | 40 FT | 0 FT (*1) | 0 FT (*2) | SP-1 |
| MILL STREET (WEST) PARKING FORWARD OF BUILDING LINE (HC/UV) | NONE | YES (*1) (NO BUILDING) | YES–NO BUILDING (*2) | SP-1 |
| MILL STREET (WEST) PARKING VISIBLE FROM THE STREET | NONE | YES PARKING LOT ACCESS (*1) | YES–PARKING LOT ACCESS (*2) | SP-1 |

NOTES:
- *1 –EXISTING NON–CONFORMING USE
- *2 – AREA VARIANCE REQUIRED
- *3 – TOTAL MAIN STREET FRONTAGE OCCUPANCY, PARTIALLY OCCUPIED BY EACH OF THE 2 BUILDINGS
- *4 – ENTIRE FOOTPRINT OF MAIN STREET BUILDING INCLUDED IN CALCULATION, INCLUDING AREA COVERED WITH PERMEABLE GREEN ROOF

## 302 MILL STREET
### EXISTING / ADJOINING LOT/SHARED PARKING LOT A:
### LOCATED IN PID-UV (POUGHKEEPSIE INNOVATION-URBAN VILLAGE) ZONE

| ITEM | REQ'D UV ZONE | PROVIDED UV ZONE | SEE PLAN |
|---|---|---|---|
| LOT AREA | N/A | 9,499.9 SQ FT | SP-1 |
| MAIN BUILDING HEIGHT<br>MINIMUM HEIGHT<br>MAXIMUM HEIGHT | 3 STORIES<br>6 STORIES | 2 1/2 STORIES (*1) | NA |
| MAXIMUM ACCESSORY BUILDING HEIGHT<br>HOUSING<br>OTHER | 2 STORIES<br>1 STORY | N/A<br>1 STORY | NA |
| MINIMUM LOT COVERAGE | 50% REQ. | 65.38% | SP-1 |
| MINIMUM OPEN SPACE | 15% REQ. | 34.62% | SP-1 |
| FRONT YARD (MIN/MAX) | 0 FT / 6 FT | 4.1 FT | SP-1 |
| SIDE YARD PER SIDE (MIN/MAX) | 0 FT / 10 FT | 0 FT | SP-1 |
| REAR YARD (MIN) | 8 FT | 0.4 FT (*1) | SP-1 |
| FRONTAGE OCCUPANCY (MIN/MAX) | 80%–100% | 60.6% (*1) | SP-1 |
| FRONT YARD PARKING SETBACKS (MIN) | 40 FT | NO PARKING ON LOT N/A | SP-1 |
| PARKING FORWARD OF BUILDING LINE | NONE | NONE | SP-1 |

## 304 MILL STREET
### EXISTING / ADJOINING LOT/SHARED PARKING LOT B:
### LOCATED IN PID-UV (POUGHKEEPSIE INNOVATION-URBAN VILLAGE) ZONE

| ITEM | REQ'D UV ZONE | PROVIDED UV ZONE | SEE PLAN |
|---|---|---|---|
| LOT AREA | N/A | 8,851.8 SQ FT | SP-1 |
| MAIN BUILDING HEIGHT<br>MINIMUM HEIGHT<br>MAXIMUM HEIGHT | 3 STORIES<br>6 STORIES | 3 STORIES | NA |
| MAXIMUM ACCESSORY BUILDING HEIGHT<br>HOUSING<br>OTHER | 2 STORIES<br>1 STORY | N/A<br>N/A | NA |
| MINIMUM LOT COVERAGE | 50% REQ. | 21.73% (*1) | SP-1 |
| MINIMUM OPEN SPACE | 15% REQ. | 47.49% | SP-1 |
| FRONT YARD (MIN/MAX) | 0 FT / 6 FT | 4.5 FT | SP-1 |
| SIDE YARD PER SIDE (MIN/MAX) | 0 FT / 10 FT | 1.5 FT | SP-1 |
| REAR YARD (MIN) | 8 FT | 99.4 FT | SP-1 |
| FRONTAGE OCCUPANCY (MIN/MAX) | 80%–100% | 14.47% (*1) | SP-1 |
| FRONT YARD PARKING SETBACKS (MIN) | 40 FT | > 40FT | SP-1 |
| PARKING FORWARD OF BUILDING LINE | NONE | NONE | SP-1 |

## 306 MILL STREET
### EXISTING / ADJOINING LOT/SHARED PARKING LOT C:
### LOCATED IN PID-UV (POUGHKEEPSIE INNOVATION-URBAN VILLAGE) ZONE

| ITEM | REQ'D UV ZONE | PROVIDED UV ZONE | SEE PLAN |
|---|---|---|---|
| LOT AREA | N/A | 4,616.4 SQ FT | SP-1 |
| MAIN BUILDING HEIGHT<br>MINIMUM HEIGHT<br>MAXIMUM HEIGHT | 3 STORIES<br>6 STORIES | 2 1/2 STORIES (*1) | NA |
| MAXIMUM ACCESSORY BUILDING HEIGHT<br>HOUSING<br>OTHER | 2 STORIES<br>1 STORY | N/A<br>N/A | NA |
| MINIMUM LOT COVERAGE | 50% REQ. | 34.68% (*1) | SP-1 |
| MINIMUM OPEN SPACE | 15% REQ. | 31.05% | SP-1 |
| FRONT YARD (MIN/MAX) | 0 FT / 6 FT | 4.3 FT | SP-1 |
| SIDE YARD PER SIDE (MIN/MAX) | 0 FT / 10 FT | 0.3 FT | SP-1 |
| REAR YARD (MIN) | 8 FT | 62.2 FT | SP-1 |
| FRONTAGE OCCUPANCY (MIN/MAX) | 80%–100% | 14.92% (*1) | SP-1 |
| FRONT YARD PARKING SETBACKS (MIN) | 40 FT | > 40FT | SP-1 |
| PARKING FORWARD OF BUILDING LINE | NONE | NONE | SP-1 |

## 310 MILL STREET
### EXISTING / ADJOINING LOT/SHARED PARKING LOCATED IN HC (HISTORIC CORE) ZONE

| ITEM | REQUIRED | PROVIDED | SEE PLAN |
|---|---|---|---|
| LOT AREA | N/A | 4,503.0 SQ FT | SP-1 |
| MAIN BUILDING HEIGHT<br>MINIMUM HEIGHT<br>MAXIMUM HEIGHT | 2 STORIES<br>7 STORIES | 2 1/2 STORIES | NA |
| MAXIMUM ACCESSORY BUILDING HEIGHT<br>HOUSING<br>OTHER | 2 STORIES<br>1 STORY | N/A | NA |
| MINIMUM LOT COVERAGE | 75% REQ. | 39.53% (*1) | SP-1 |
| MINIMUM OPEN SPACE | 0 REQUIRED | 51.36% | SP-1 |
| FRONT YARD (MIN/MAX) | 0 FT | 0 FT | SP-1 |
| SIDE YARD PER SIDE (MIN/MAX) | 0 FT | 1.2 FT | SP-1 |
| REAR YARD (MIN) | 0 FT | 58.6 FT | SP-1 |
| FRONTAGE OCCUPANCY (MIN/MAX) | 100% | 85.37% (*1) | SP-1 |
| FRONT YARD PARKING SETBACKS (MIN) | 40 FT | > 40FT | SP-1 |
| PARKING FORWARD OF BUILDING LINE | NONE | NONE | SP-1 |

## PARKING REQUIREMENTS

| BUILDING | PROPOSED USE | SIZE | ZONE | PARKING RATIO | REQUIRED SPACES | PROPOSED SPACES |
|---|---|---|---|---|---|---|
| MAIN STREET BUILDING | RESIDENTIAL (69 UNITS) | 17 UNITS | PID–HC | 0 SPACES/UNIT | 0 | |
| | | 52 UNITS | PID–UV | 0.5 SPACES/UNIT | 26 | |
| | | | PID–UV | 1 VISITOR SPACE/10 UNITS | 6 | |
| | RETAIL | 3,331 SF | PID–UV/ PID–HC | 0 SPACES/SF | 0 | |
| CATHARINE STREET BUILDING | RESIDENTIAL | 49 UNITS | PID–HC | 0 SPACES/UNIT | 0 | |
| | RETAIL | 3,255 SF | PID–HC | 0 SPACES/SF | 0 | |
| WALLACE BUILDING | RESIDENTIAL | 69 UNITS | PID–HC | 0 SPACES/UNIT | 0 | |
| | RETAIL | 7,649 SF | PID–HC | 0 SPACES/SF | 0 | |
| 302/304 /306 MILL STREET BUILDINGS | RESIDENTIAL | | | | 12 | |
| 310 MILL | OFFICE | | | | 6 | |
| | | | | TOTAL | 50 | 63 |

NOTES:
1. PARKING DEMANDS DEVELOPED BY THE MASER PARKING REQUIREMENT.

# BICYCLE PARKING TABLE

BICYCLE PARKING REQUIREMENTS

**RESIDENTIAL USES – MAIN STREET, WALLACE & CATHARINE STREET BUILDINGS (247 BEDROOMS PROPOSED)**

| TYPE | NUMBER BEDROOMS | REQUIRED/ PER BDRM | REQUIRED | PROVIDED | |
|---|---|---|---|---|---|
| LONG TERM | 245 BR | 0.5 | 123 | 123 | CELLARS OF BUILDINGS |
| SHORT TERM | 245 BR | 0.05 | 13 | 13 | ONSITE ON CAMPUS |

**RESIDENTIAL USES –302, 304,306 (19 BEDROOMS)**

| TYPE | NUMBER BEDROOMS | REQUIRED/ PER BDRM | REQUIRED | PROVIDED |
|---|---|---|---|---|
| LONG TERM | 19 BR | 0.5 | 10 | 10 ONSITE ON CAMPUS |
| SHORT TERM | 19 BR | 0.05 | 2 | 2 ONSITE ON CAMPUS |

**OTHER USES – ON SITE BICYCLE PARKING: MAIN, CATHERINE AND WALLACE BUILDINGS**

| TYPE | TYPE | PROPOSED SF | REQUIRED/SF | REQUIRED | PROVIDED |
|---|---|---|---|---|---|
| LONG TERM | RETAIL | 16,011 | 1 PER 12K SF | 2 SPACES MIN | 4 ON CAMPUS |
| SHORT TERM | RETAIL | 16,011 | 1 PER 5K SF | 2 SPACES MIN | 4 ON CAMPUS |

**OTHER USES – ON SITE BICYCLE PARKING: OFFICE AND NON-RETAIL MAIN, CATHERINE AND WALLACE BUILDINGS**

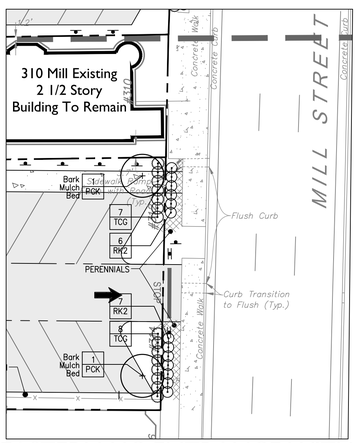
| TYPE | TYPE | PROPOSED SF | REQUIRED/SF | REQUIRED | PROVIDED |
|---|---|---|---|---|---|
| LONG TERM | OFFICE/NON RETAIL | 4,648 | 1 PER 10K SF | 1 SPACES | 1 ON CAMPUS |
| SHORT TERM | OFFICE/NON RETAIL | 4,648 | 1 PER 20K SF | 2 SPACES MIN | 2 ON CAMPUS |

**OTHER USES – ON SITE BICYCLE PARKING: GREEN AREA**

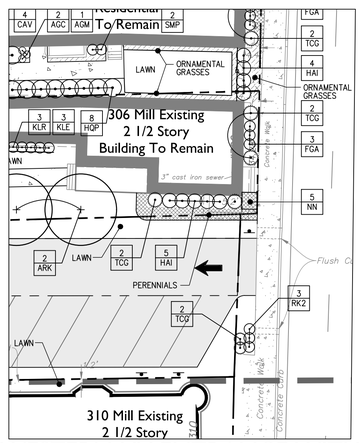
| TYPE | TYPE | REQUIRED | PROVIDED |
|---|---|---|---|
| SHORT TERM | OUTDOOR GREEN | AS DETERMINED BY PLANNING BOARD | 10 ON CAMPUS |

**TOTAL BICYCLE PARKING REQUIREMENTS FOR WALLACE CAMPUS**

| TYPE | REQUIRED | PROVIDED |
|---|---|---|
| LONG TERM | 139.9 SPACES | 123 Wallace 2ND & 3RD Fl<br>17 ON CAMPUS |
| SHORT TERM | 29 SPACES | 29 ON CAMPUS |




EASTERN HC ENTRANCE WITH LANDSCAPING
1"=20'




WESTERN UV ENTRANCE WITH LANDSCAPING
1"=20'

GRAPHIC SCALE
30 15 0 30
SCALE IN FEET

| No. | Date | Description |
|---|---|---|
| 2 | 07.10.20 | PLANNING BOARD RE–SUBMISSION |
| 3 | 11.03.20 | PLANNING BOARD RE–SUBMISSION |
| 4 | 01.05.21 | RESPONSE TO CONSULTANT COMMENTS |
| 5 | 03.02.21 | RESPONSE TO CONSULTANT COMMENTS |
| 6 | 05.07.21 | RESPONSE TO CONSULTANT COMMENTS |

Revisions

LRC GROUP
- Land Planning
- Civil Engineering
- Environmental Services
- Land Surveying
- Landscape Architecture

85 Civic Center Plaza, Suite 103
Poughkeepsie NY 12601
Tel: 845.243.2880

160 West Street, Suite E
Cromwell, CT 06416
Tel: 860.635.2877

1 International Blvd, Suite 400
Mahwah, NJ 07495
Tel: 908.603.5730

www.lrcconsult.com

LRC Engineering & Surveying, DPC
LRC Engineering & Surveying, LLC
LRC Environmental Services, Inc.

# SITE PLAN
# BULK TABLES

## WALLACE CAMPUS MANAGER, LLC

WALLACE CAMPUS
CITY OF POUGHKEEPSIE,
DUTCHESS COUNTY, NEW YORK

| | | | |
|---|---|---|---|
| Design/Calcs | LRC | CAD File | SP20254802.dwg |
| Drawn | SMC | Project No. | 20–2548 |
| Checked | KFC | Date | 2020.04.10 |
| Approved | REM | Scale | 1"=30' |

Sheet No. SP-2

X:\JOBS\Jobs 2020\20-2548-Urban Green-Wallace Campus-Poughkeepsie\DWG\SP20254802.dwg 9/28/2021 4:32 PM Hthomas

# WALLACE CAMPUS

CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NEW YORK

OWNER WALLACE CAMPUS MANAGER LLC
48-02 25TH AVENUE, SUITE 400
ASTORIA, NEW YORK 11103

ARCHITECT : SLCE*Architects*
1359 BROADWAY
NEW YORK, NEW YORK
10018

CIVIL ENGINEER/LANDSCAPE ARCHITECT THE LRC GROUP
85 CIVIC CENTER PLAZA, SUITE 103
POUGHKEEPSIE, NEW YORK 12601

**LIST OF DRAWINGS**

| SHEET#: | TITLE: |
|---|---|
| A-000 | COVER SHEET |
| A-101A | MAIN STREET BUILDING: 1ST FLOOR PLAN |
| A-102A | MAIN STREET BUILDING: 2ND-5TH FLOOR PLAN |
| A-103A | MAIN STREET BUILDING: 6TH & 7TH FLOOR PLAN |
| A-104A | MAIN STREET BUILDING: ROOF PLAN |
| A-100B | CATHARINE STREET BUILDING: CELLAR PLAN |
| A-101B | CATHARINE STREET BUILDING: 1ST FLOOR PLAN |
| A-102B | CATHARINE STREET BUILDING: 2ND-7TH FLOOR PLAN |
| A-103B | CATHARINE STREET BUILDING: ROOF PLAN |
| A-100C | WALLACE BUILDING: CELLAR PLAN |
| A-101C | WALLACE BUILDING: 1ST FLOOR PLAN |
| A-102C | WALLACE BUILDING: 2ND & 3RD FLOOR PLAN |
| A-103C | WALLACE BUILDING: 4TH FLOOR PLAN |
| A-104C | WALLACE BUILDING: ROOF PLAN |
| A-110 | TYPICAL APARTMENT LAYOUTS |
| Z-001 | TRANSPARENCY ANALYSIS |
| Z-002 | SIGHTLINE ANALYSIS |

**LIST OF DRAWINGS CONT.**

| SHEET#: | TITLE: |
|---|---|
| A-200A | MAIN STREET BUILDING ELEVATION |
| A-201A | MAIN STREET BUILDING ELEVATION |
| A-202A | MAIN STREET BUILDING ELEVATION |
| A-203A | MAIN STREET BUILDING ELEVATION |
| A-200B | CATHARINE STREET BUILDING ELEVATIONS |
| A-201B | CATHARINE STREET BUILDING ELEVATIONS |
| A-202B | CATHARINE STREET BUILDING ELEVATIONS |
| A-200C | WALLACE BUILDING ELEVATIONS |
| A-201C | WALLACE BUILDING ELEVATIONS |
| A-202C | WALLACE BUILDING ELEVATIONS |
| A-201 | RENDERINGS |
| A-202 | RENDERINGS |
| A-203 | RENDERINGS |
| A-204 | RENDERINGS |
| A-205 | RENDERINGS |
| A-206 | RENDERINGS |
| A-207 | RENDERINGS |
| A-208 | RENDERINGS |
| A-209 | MAIN STREET: MATERIAL SELECTION |
| A-210 | CATHARINE STREET: MATERIAL SELECTION |
| A-206 | VIEW OF MAIN STREET STOREFRONT |
| A-210 | CATHARINE STREET BUILDING |
| A-211 | WALLACE CAMPUS SHADOW STUDIES |
| A-212 | EXISTING WALLACE BUILDING PHOTOS |
| A-213 | HISTORICAL IMAGES |




PROJECT:
**WALLACE CAMPUS**
331 MAIN STREET
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NY

OWNER:
WALLACE CAMPUS MANAGER LLC
48-02 25TH AVENUE, SUITE 400
ASTORIA, NY 11103

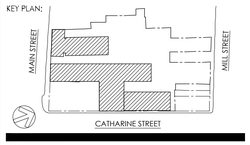
ARCHITECT:
SLCE*Architects*
1359 BROADWAY
NEW YORK, NEW YORK 10018
TEL: (212) 979-8400
FAX: (212) 979-8387

LANDSCAPE / CIVIL
THE LRC GROUP
85 CIVIC CENTER PLAZA, SUITE 103
POUGHKEEPSIE, NY 12601
TEL: (845) 243-2880
FAX: (845) 265-8175

| No: | Date: | Distribution: |
|---|---|---|
| 1 | 6/5/2020 | REVISED PER CITY COMMENTS |
| 2 | 7/10/2020 | PLANNING BOARD RE-SUBMISSION |
| 3 | 10/30/2020 | PLANNING BOARD RE-SUBMISSION |
| 4 | 12/8/2020 | PLANNING BOARD RE-SUBMISSION |
| 5 | 3/5/2021 | PLANNING BOARD RE-SUBMISSION |
| 6 | 9/28/2021 | PLANNING BOARD RE-SUBMISSION |

DOB NUMBER:

KEY PLAN:




DRAWING TITLE:

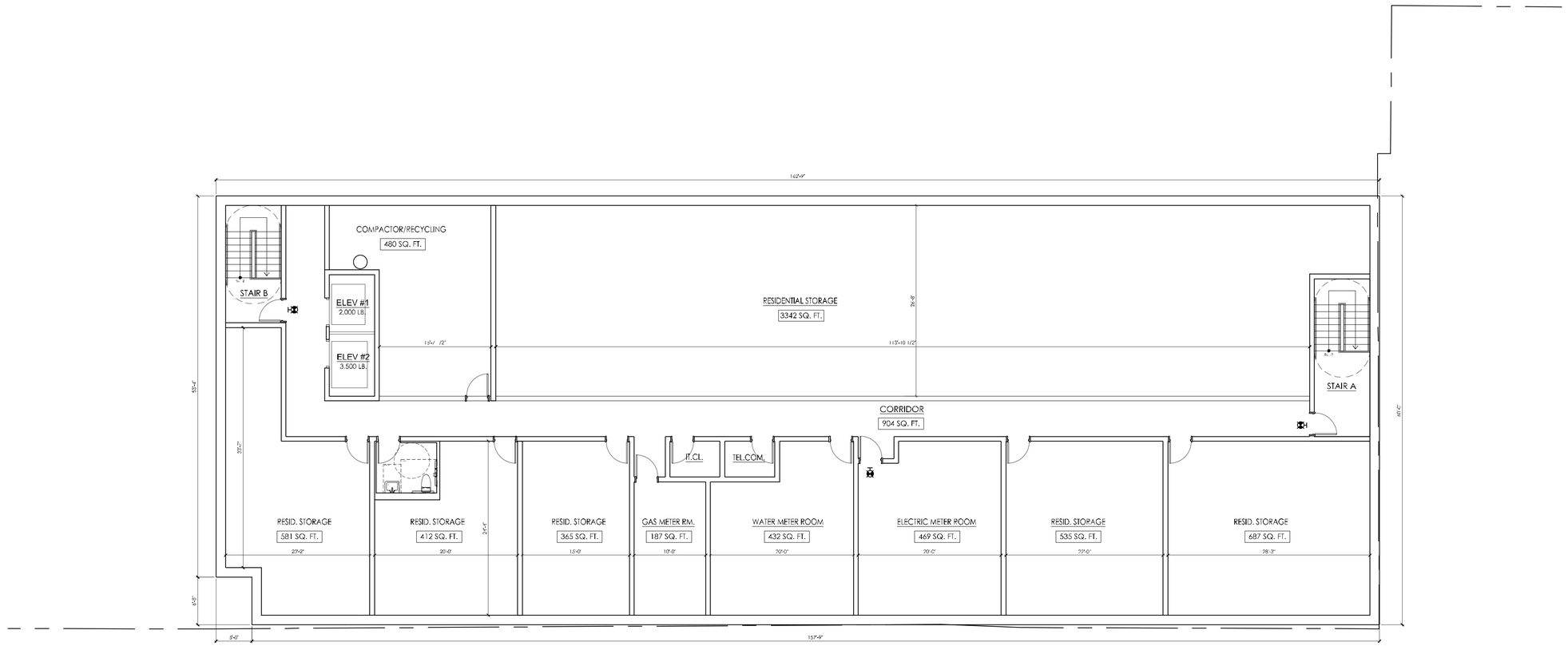
COVER SHEET

SEAL / SIGNATURE:

REGISTERED ARCHITECT
SAKY YAKAS
No. 018041
STATE OF NEW YORK

PROJECT No: 2020-30
DRAWN BY: AA, LB
CHECKD BY: SY
DWG. No:

A-000




CATHARINE STREET

**APARTMENT DISTRIBUTION CHART - Catherine Street Building**

| FLOOR | STUDIO | 1 BR | 2 BR | 3 BR | TOTAL | | GROSS AREA | ZONING AREA |
|---|---|---|---|---|---|---|---|---|
| Cellar | | | | | | | 9,765 | |
| 1st | 2 | 1 | 1 | 1 | 5 | | 9,684 | 9,684 |
| 2nd | 3 | 5 | 2 | 1 | 11 | | 9,765 | 9,765 |
| 3rd | 3 | 5 | 2 | 1 | 11 | | 9,765 | 9,765 |
| 4th | 3 | 5 | 2 | 1 | 11 | | 9,765 | 9,765 |
| 5th | 3 | 5 | 2 | 1 | 11 | | 9,765 | 9,765 |
| | | | | | | | | |
| Roof | | | | | | | 860 | |
| TOTAL | 14 | 21 | 9 | 5 | 49 | | 59,369 | 48,744 |
| % | 28.57% | 42.86% | 18.37% | 10.20% | 100.00% | | | |

N

1/8"=1'-0" 8' 0 8 16

PROJECT:

# WALLACE CAMPUS

331 MAIN STREET
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NY


OWNER:
WALLACE CAMPUS MANAGER LLC
48-02 25TH AVENUE, SUITE 400
ASTORIA, NY 11103

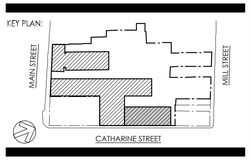
ARCHITECT:
SLCE *Architects*
1359 BROADWAY
NEW YORK, NEW YORK 10018
TEL: (212) 979-8400
FAX: (212) 979-8387

LANDSCAPE / CIVIL
THE LRC GROUP
85 CIVIC CENTER PLAZA, SUITE 103
POUGHKEEPSIE, NY 12601
TEL: (845) 243-2880
FAX: (845) 265-8175


| No: | Date: | Distribution: |
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| 5 | 3/5/2021 | PLANNING BOARD RE-SUBMISSION |
| 6 | 9/28/2021 | PLANNING BOARD RE-SUBMISSION |

DOB NUMBER:

KEY PLAN:




DRAWING TITLE:

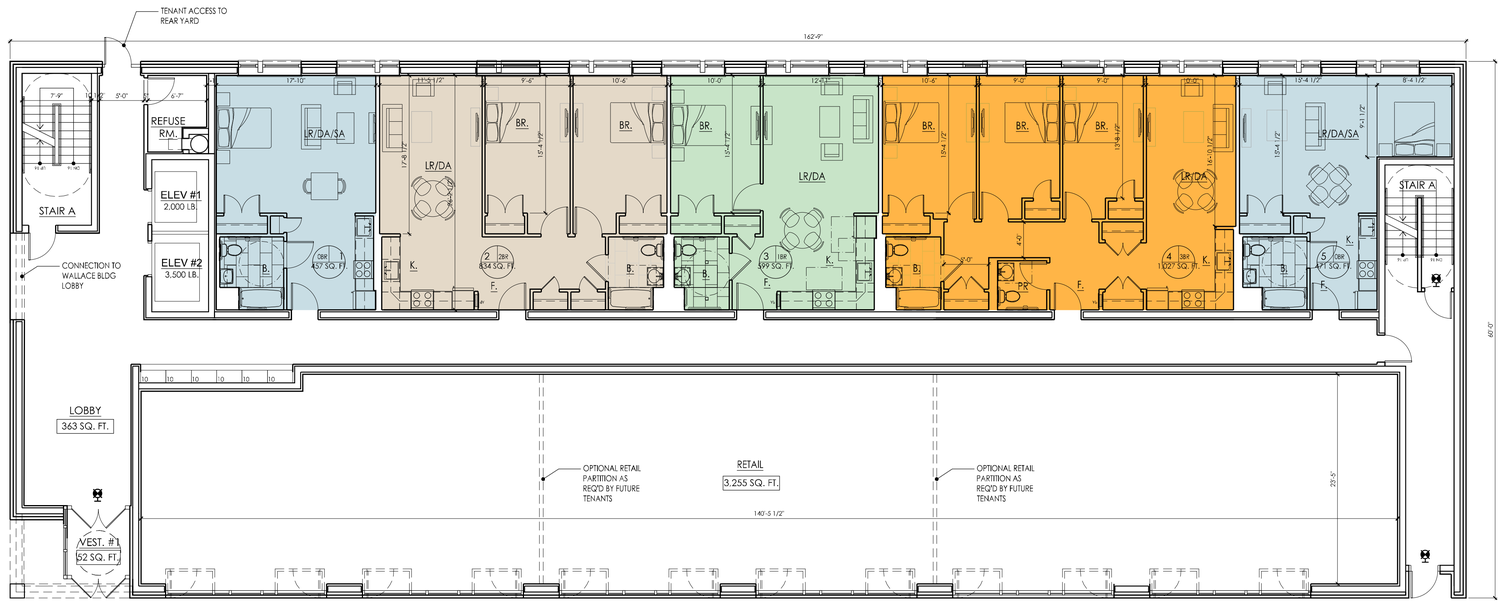
## CATHARINE STREET BUILDING CELLAR PLAN

SEAL / SIGNATURE:

REGISTERED ARCHITECT
SAKY YAKAS
No. 018047
STATE OF NEW YORK

PROJECT No: 2020-30
DRAWN BY: AA, LB
CHECKD BY: SY
DWG. No:

A-100B




# CATHARINE STREET

**APARTMENT DISTRIBUTION CHART - Catherine Street Building**

| FLOOR | STUDIO | 1 BR | 2 BR | 3 BR | TOTAL | GROSS AREA | ZONING AREA |
|---|---|---|---|---|---|---|---|
| Cellar | | | | | | 9,765 | |
| 1st | 2 | 1 | 1 | 1 | 5 | 9,684 | 9,684 |
| 2nd | 3 | 5 | 2 | 1 | 11 | 9,765 | 9,765 |
| 3rd | 3 | 5 | 2 | 1 | 11 | 9,765 | 9,765 |
| 4th | 3 | 5 | 2 | 1 | 11 | 9,765 | 9,765 |
| 5th | 3 | 5 | 2 | 1 | 11 | 9,765 | 9,765 |
| | | | | | | | |
| Roof | | | | | | 860 | |
| TOTAL | 14 | 21 | 9 | 5 | 49 | 59,369 | 48,744 |
| % | 28.57% | 42.86% | 18.37% | 10.20% | 100.00% | | |

N

1/8"= 1'-0" 8' 0 8 16

PROJECT:

**WALLACE CAMPUS**

331 MAIN STREET
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NY


OWNER:
WALLACE CAMPUS MANAGER LLC
48-02 25TH AVENUE, SUITE 400
ASTORIA, NY 11103

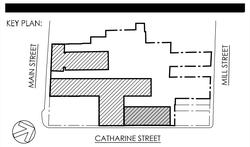
ARCHITECT:
SLCE*Architects*
1359 BROADWAY
NEW YORK, NEW YORK 10018
TEL: (212) 979-8400
FAX: (212) 979-8387

LANDSCAPE / CIVIL
THE LRC GROUP
85 CIVIC CENTER PLAZA, SUITE 103
POUGHKEEPSIE, NY 12601
TEL: (845) 243-2880
FAX: (845) 265-8175


| No: | Date: | Distribution: |
|---|---|---|
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| 5 | 3/5/2021 | PLANNING BOARD RE-SUBMISSION |
| 6 | 9/28/2021 | PLANNING BOARD RE-SUBMISSION |

DOB NUMBER:

KEY PLAN:



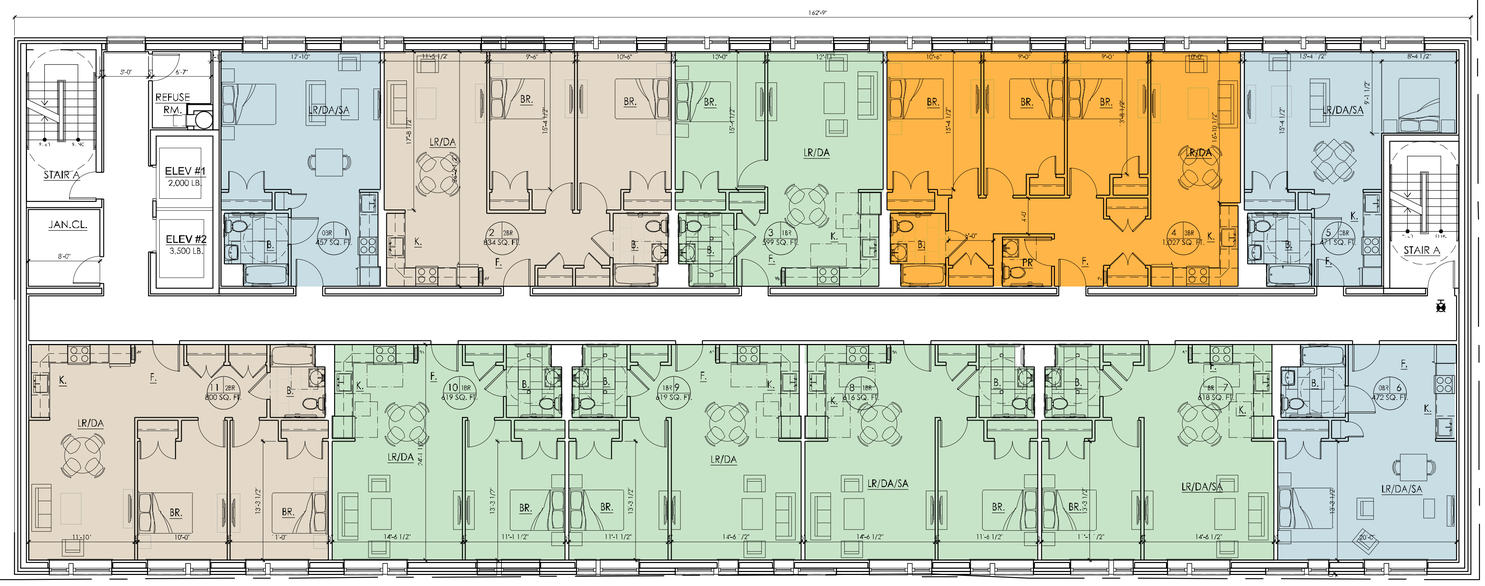

DRAWING TITLE:

CATHARINE STREET BUILDING 1ST FL. PLAN

SEAL / SIGNATURE:

REGISTERED ARCHITECT SAKY YAKAS No. 018047 STATE OF NEW YORK

| | |
|---|---|
| PROJECT No: | 2020-30 |
| DRAWN BY: | AA, LB |
| CHECK'D BY: | SY |
| DWG. No: | A-101B |




# CATHARINE STREET

**APARTMENT DISTRIBUTION CHART - Catherine Street Building**

| FLOOR | STUDIO | 1 BR | 2 BR | 3 BR | TOTAL | GROSS AREA | ZONING AREA |
|---|---|---|---|---|---|---|---|
| Cellar | | | | | | 9,765 | |
| 1st | 2 | 1 | 1 | 1 | 5 | 9,684 | 9,684 |
| 2nd | 3 | 5 | 2 | 1 | 11 | 9,765 | 9,765 |
| 3rd | 3 | 5 | 2 | 1 | 11 | 9,765 | 9,765 |
| 4th | 3 | 5 | 2 | 1 | 11 | 9,765 | 9,765 |
| 5th | 3 | 5 | 2 | 1 | 11 | 9,765 | 9,765 |
| | | | | | | | |
| Roof | | | | | | 860 | |
| TOTAL | 14 | 21 | 9 | 5 | 49 | 59,369 | 48,744 |
| % | 28.57% | 42.86% | 18.37% | 10.20% | 100.00% | | |

N

1/8"=1'-0" 8' 0 8 16

PROJECT:

**WALLACE CAMPUS**

331 MAIN STREET
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NY

OWNER:

WALLACE CAMPUS MANAGER LLC

48-02 25TH AVENUE, SUITE 400
ASTORIA, NY 11103

ARCHITECT:

SLCE *Architects*

1359 BROADWAY
NEW YORK, NEW YORK 10018

TEL: (212) 979-8400
FAX: (212) 979-8387

LANDSCAPE / CIVIL

THE LRC GROUP

85 CIVIC CENTER PLAZA, SUITE 103
POUGHKEEPSIE, NY 12601

TEL: (845) 243-2880
FAX: (845) 265-8175

| No: | Date: | Distribution: |
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| 1 | 6/5/2020 | REVISED PER CITY COMMENTS |
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| 5 | 3/5/2021 | PLANNING BOARD RE-SUBMISSION |
| 6 | 9/28/2021 | PLANNING BOARD RE-SUBMISSION |

DOB NUMBER:

KEY PLAN:




DRAWING TITLE:

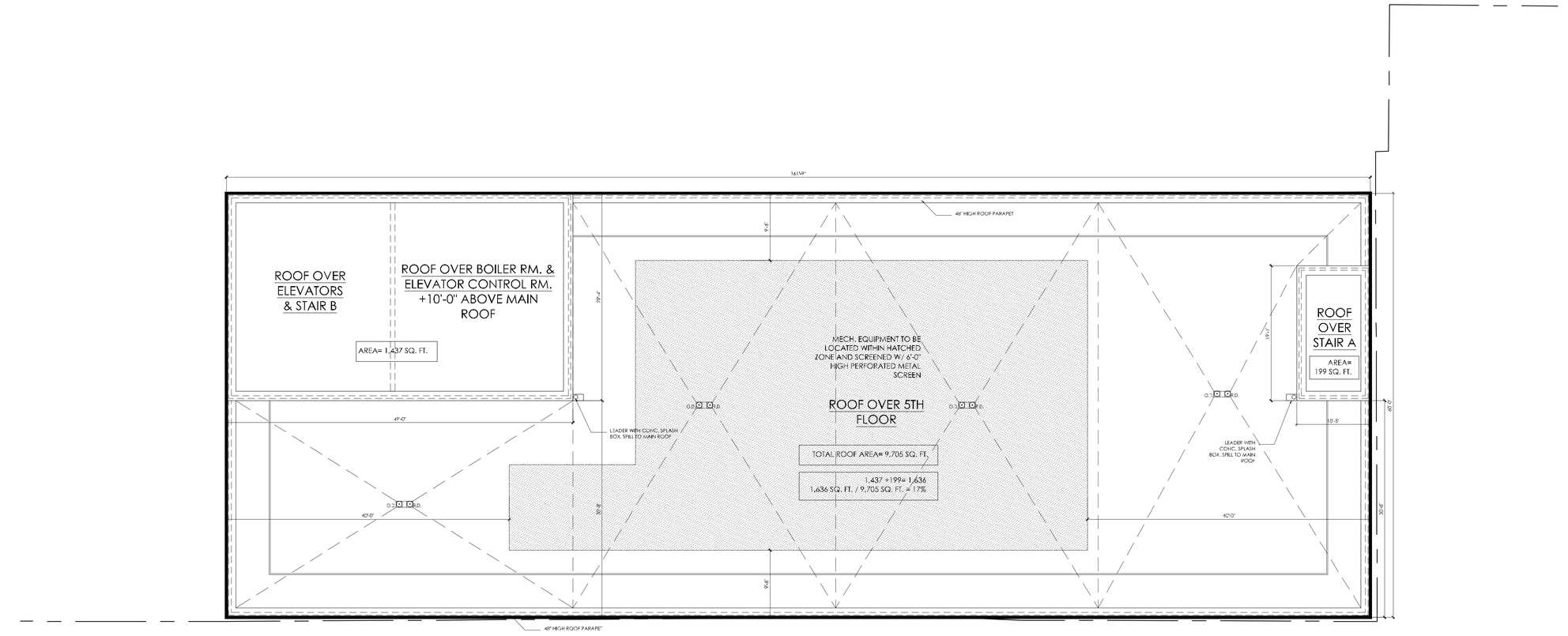
CATHARINE STREET BUILDING 2ND-5TH FL. PLAN

SEAL / SIGNATURE:

REGISTERED ARCHITECT SAKY YAKAS No. 018047 STATE OF NEW YORK

PROJECT No: 2020-30
DRAWN BY: AA, LB
CHECK'D BY: SY
DWG. No:

A-102B




# CATHARINE STREET

**APARTMENT DISTRIBUTION CHART - Catherine Street Building**

| FLOOR | STUDIO | 1 BR | 2 BR | 3 BR | TOTAL | | GROSS AREA | ZONING AREA |
|---|---|---|---|---|---|---|---|---|
| Cellar | | | | | | | 9,765 | |
| 1st | 2 | 1 | 1 | 1 | 5 | | 9,684 | 9,684 |
| 2nd | 3 | 5 | 2 | 1 | 11 | | 9,765 | 9,765 |
| 3rd | 3 | 5 | 2 | 1 | 11 | | 9,765 | 9,765 |
| 4th | 3 | 5 | 2 | 1 | 11 | | 9,765 | 9,765 |
| 5th | 3 | 5 | 2 | 1 | 11 | | 9,765 | 9,765 |
| | | | | | | | | |
| Roof | | | | | | | 860 | |
| TOTAL | 14 | 21 | 9 | 5 | 49 | | 59,389 | 48,744 |
| % | 28.57% | 42.86% | 18.37% | 10.20% | 100.00% | | | |

N

1/8"=1'-0" 8' 0 8 16

PROJECT:

**WALLACE CAMPUS**

331 MAIN STREET
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NY


OWNER:
WALLACE CAMPUS MANAGER LLC
48-02 25TH AVENUE, SUITE 400
ASTORIA, NY 11103

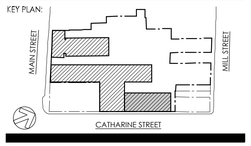
ARCHITECT:
SLCE *Architects*
1359 BROADWAY
NEW YORK, NEW YORK 10018
TEL: (212) 979-8400
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LANDSCAPE / CIVIL
THE LRC GROUP
85 CIVIC CENTER PLAZA, SUITE 103
POUGHKEEPSIE, NY 12601
TEL: (845) 243-2880
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| 6 | 9/28/2021 | PLANNING BOARD RE-SUBMISSION |

DOB NUMBER:

KEY PLAN:




DRAWING TITLE:

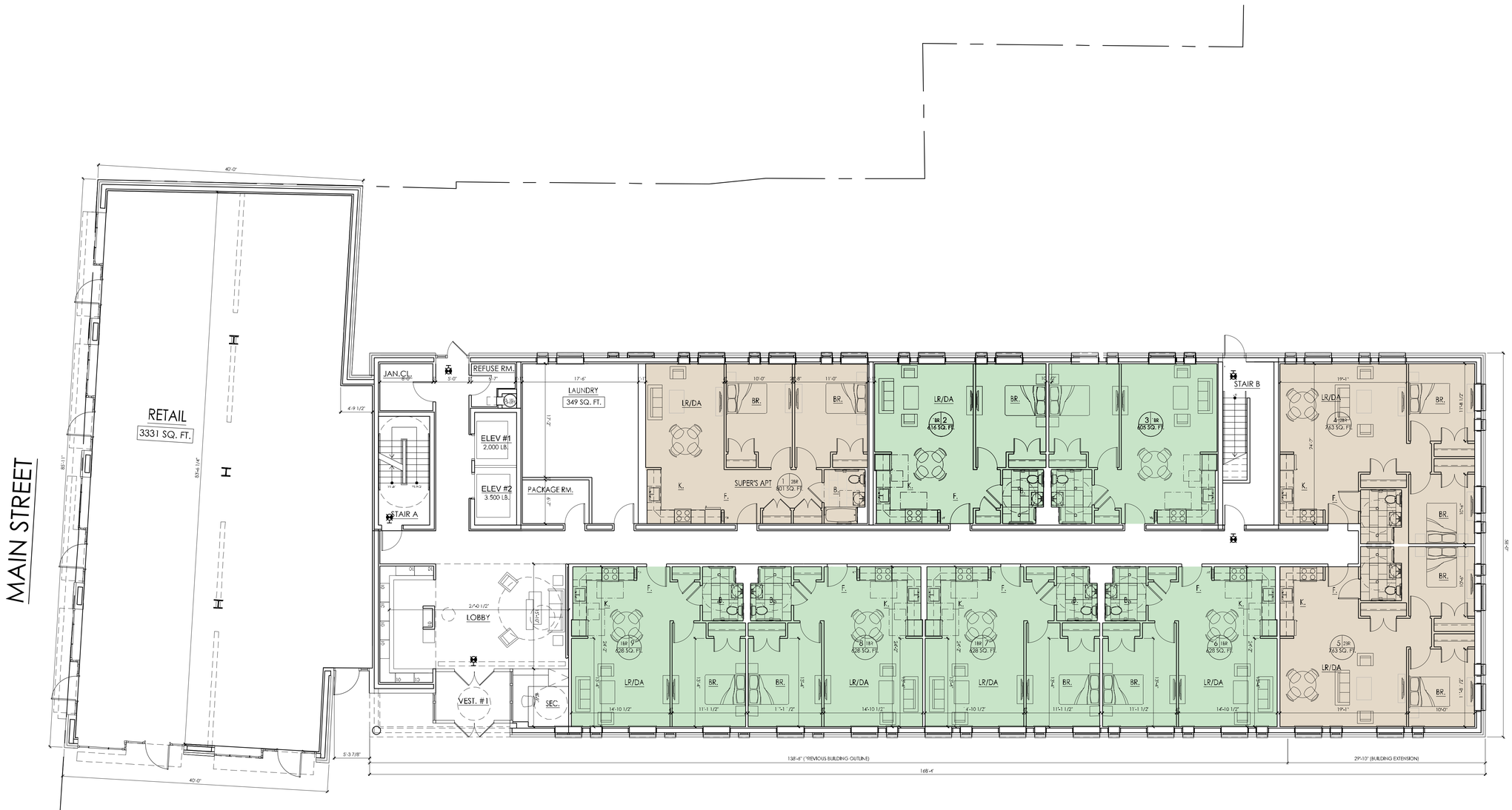
CATHARINE STREET BUILDING ROOF PLAN

SEAL / SIGNATURE:

REGISTERED ARCHITECT SAKY YAKAS STATE OF NEW YORK No. 018041

PROJECT No: 2020-30
DRAWN BY: AA, LB
CHECK'D BY: SY
DWG. No:

A-103B




## 325 MAIN STREET

**APARTMENT DISTRIBUTION CHART - Main Street**

| FLOOR | STUDIO | 1 BR | 2 BR | 3 BR | TOTAL | GROSS AREA | ZONING AREA |
|---|---|---|---|---|---|---|---|
| Cellar | | | | | | 13,407 | |
| 1st | 0 | 6 | 3 | | 9 | 13,407 | 13,407 |
| 2nd | 3 | 7 | 4 | 1 | 15 | 13,407 | 13,407 |
| 3rd | 3 | 7 | 4 | 1 | 15 | 13,407 | 13,407 |
| 4th | 3 | 7 | 4 | 1 | 15 | 13,407 | 13,407 |
| 5th | 3 | 7 | 4 | 1 | 15 | 13,407 | 13,407 |
| Roof | | | | | | 860 | |
| TOTAL | 12 | 34 | 19 | 4 | 69 | 81,302 | 67,035 |
| % | 17.39% | 49.28% | 27.54% | 5.80% | 100.00% | | |

N

1/8"=1'-0" 8' 0 8 16

PROJECT:

# WALLACE CAMPUS

331 MAIN STREET
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NY


OWNER:
WALLACE CAMPUS MANAGER LLC
48-02 25TH AVENUE, SUITE 400
ASTORIA, NY 11103

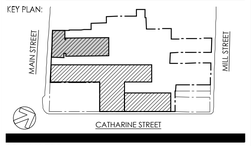
ARCHITECT:
SLCE *Architects*
1359 BROADWAY
NEW YORK, NEW YORK 10018
TEL: (212) 979-8400
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LANDSCAPE / CIVIL
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85 CIVIC CENTER PLAZA, SUITE 103
POUGHKEEPSIE, NY 12601
TEL: (845) 243-2880
FAX: (845) 265-8175


| No: | Date: | Distribution: |
|---|---|---|
| 1 | 6/5/2020 | REVISED PER CITY COMMENTS |
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| 5 | 3/5/2021 | PLANNING BOARD RE-SUBMISSION |
| 6 | 9/28/2021 | PLANNING BOARD RE-SUBMISSION |

DOB NUMBER:

KEY PLAN:




DRAWING TITLE:

## MAIN STREET BUILDING 1ST FL. PLAN

SEAL / SIGNATURE:

REGISTERED ARCHITECT
SAKY YAKAS
No. 018047
STATE OF NEW YORK

PROJECT No: 2020-30
DRAWN BY: AA, LB
CHECKD BY: SY
DWG. No:

A-101A




## 325 MAIN STREET

**APARTMENT DISTRIBUTION CHART - Main Street**

| FLOOR | STUDIO | 1 BR | 2 BR | 3 BR | TOTAL | GROSS AREA | ZONING AREA |
|---|---|---|---|---|---|---|---|
| Cellar | | | | | | 13,407 | |
| 1st | 0 | 6 | 3 | | 9 | 13,407 | 13,407 |
| 2nd | 3 | 7 | 4 | 1 | 15 | 13,407 | 13,407 |
| 3rd | 3 | 7 | 4 | 1 | 15 | 13,407 | 13,407 |
| 4th | 3 | 7 | 4 | 1 | 15 | 13,407 | 13,407 |
| 5th | 3 | 7 | 4 | 1 | 15 | 13,407 | 13,407 |
| Roof | | | | | | 860 | |
| TOTAL | 12 | 34 | 19 | 4 | 69 | 81,302 | 67,035 |
| % | 17.39% | 49.28% | 27.54% | 5.80% | 100.00% | | |

N

1/8"=1'-0" 8' 0 8 16

PROJECT:

# WALLACE CAMPUS

331 MAIN STREET
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NY


OWNER:
WALLACE CAMPUS MANAGER LLC
48-02 25TH AVENUE, SUITE 400
ASTORIA, NY 11103

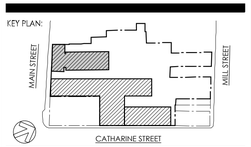
ARCHITECT:
SLCE *Architects*
1359 BROADWAY
NEW YORK, NEW YORK 10018
TEL: (212) 979-8400
FAX: (212) 979-8387

LANDSCAPE / CIVIL
THE LRC GROUP
85 CIVIC CENTER PLAZA, SUITE 103
POUGHKEEPSIE, NY 12601
TEL: (845) 243-2880
FAX: (845) 265-8175


| No: | Date: | Distribution: |
|---|---|---|
| 1 | 6/5/2020 | REVISED PER CITY COMMENTS |
| 2 | 7/10/2020 | PLANNING BOARD RE-SUBMISSION |
| 3 | 10/30/2020 | PLANNING BOARD RE-SUBMISSION |
| 4 | 12/8/2020 | PLANNING BOARD RE-SUBMISSION |
| 5 | 3/5/2021 | PLANNING BOARD RE-SUBMISSION |
| 6 | 9/28/2021 | PLANNING BOARD RE-SUBMISSION |

DOB NUMBER:

KEY PLAN:




DRAWING TITLE:

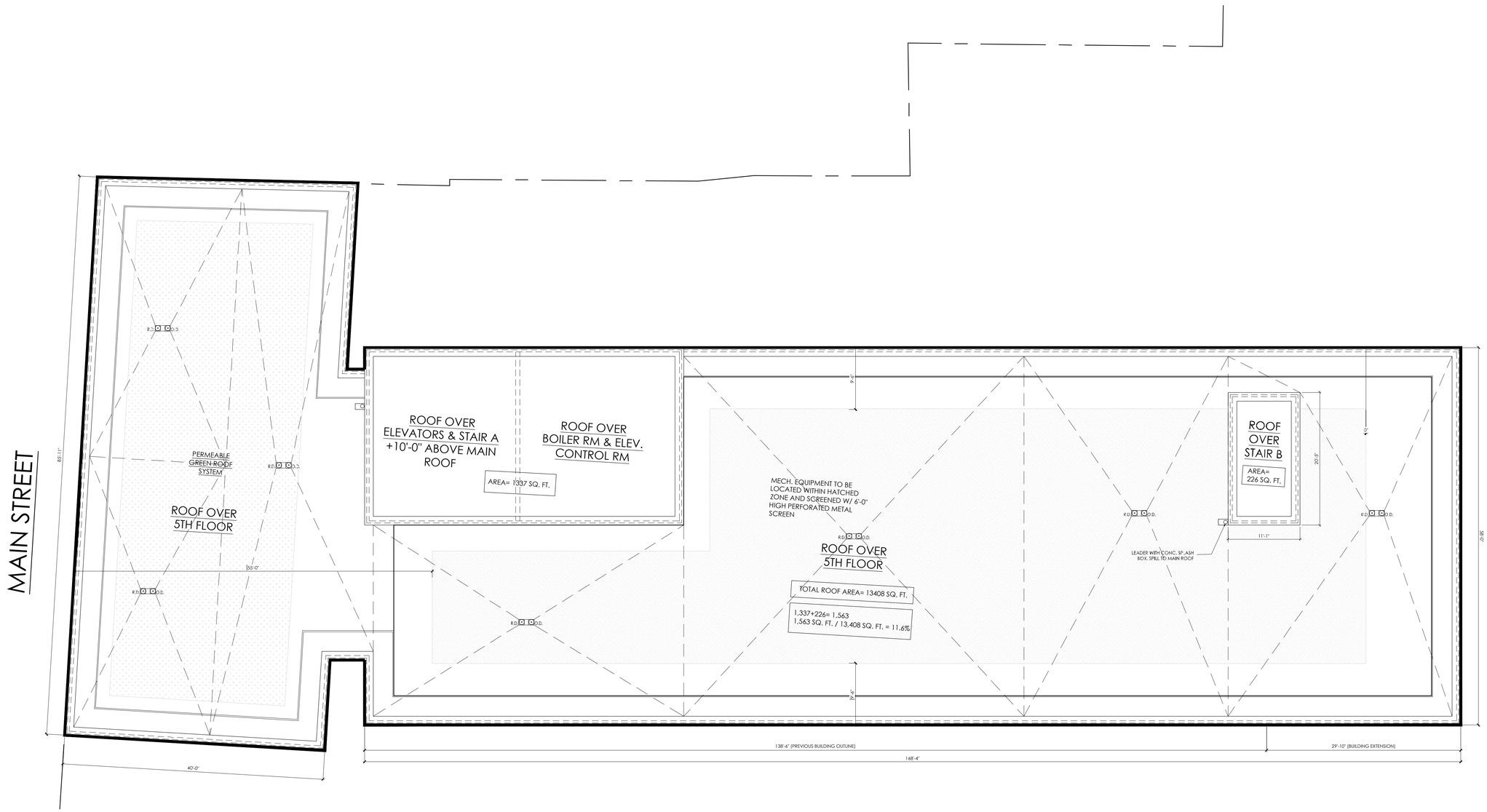
# MAIN STREET BUILDING 2ND-5TH PLAN

SEAL / SIGNATURE:

REGISTERED ARCHITECT SAKY YAKAS NO. 018947 STATE OF NEW YORK

| | |
|---|---|
| PROJECT No: | 2020-30 |
| DRAWN BY: | AA, LB |
| CHECK'D BY: | SY |
| DWG. No: | |

A-102A




## 325 MAIN STREET

**APARTMENT DISTRIBUTION CHART - Main Street**

| FLOOR | STUDIO | 1 BR | 2 BR | 3 BR | TOTAL | GROSS AREA | ZONING AREA |
|---|---|---|---|---|---|---|---|
| Cellar | | | | | | 13,407 | |
| 1st | 0 | 6 | 3 | | 9 | 13,407 | 13,407 |
| 2nd | 3 | 7 | 4 | 1 | 15 | 13,407 | 13,407 |
| 3rd | 3 | 7 | 4 | 1 | 15 | 13,407 | 13,407 |
| 4th | 3 | 7 | 4 | 1 | 15 | 13,407 | 13,407 |
| 5th | 3 | 7 | 4 | 1 | 15 | 13,407 | 13,407 |
| Roof | | | | | | 860 | |
| TOTAL | 12 | 34 | 19 | 4 | 69 | 81,302 | 67,035 |
| % | 17.39% | 49.28% | 27.54% | 5.80% | 100.00% | | |

N

1/8"=1'-0" 8' 0 8 16

PROJECT:

# WALLACE CAMPUS

331 MAIN STREET
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NY


OWNER:
WALLACE CAMPUS MANAGER LLC
48-02 25TH AVENUE, SUITE 400
ASTORIA, NY 11103

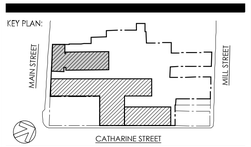
ARCHITECT:
SLCE *Architects*
1359 BROADWAY
NEW YORK, NEW YORK 10018
TEL: (212) 979-8400
FAX: (212) 979-8387

LANDSCAPE / CIVIL
THE LRC GROUP
85 CIVIC CENTER PLAZA, SUITE 103
POUGHKEEPSIE, NY 12601
TEL: (845) 243-2880
FAX: (845) 265-8175


| No: | Date: | Distribution: |
|---|---|---|
| 1 | 6/5/2020 | REVISED PER CITY COMMENTS |
| 2 | 7/10/2020 | PLANNING BOARD RE-SUBMISSION |
| 3 | 10/30/2020 | PLANNING BOARD RE-SUBMISSION |
| 4 | 12/8/2020 | PLANNING BOARD RE-SUBMISSION |
| 5 | 3/5/2021 | PLANNING BOARD RE-SUBMISSION |
| 6 | 9/28/2021 | PLANNING BOARD RE-SUBMISSION |

DOB NUMBER:

KEY PLAN:



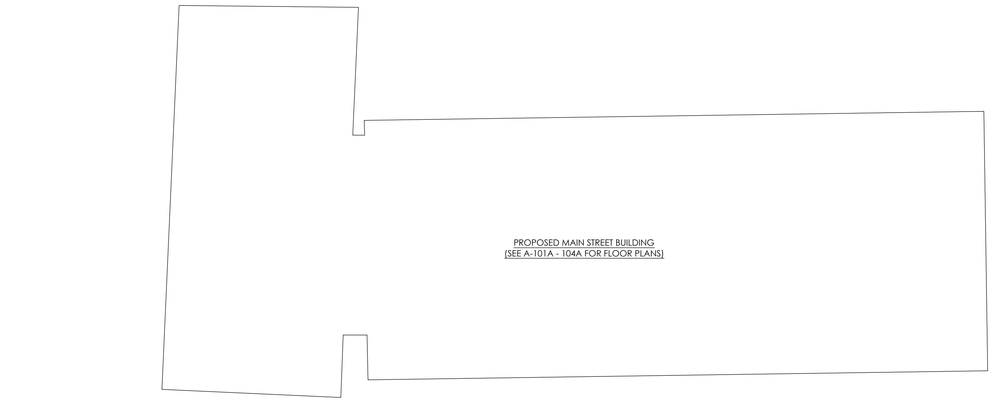

DRAWING TITLE:

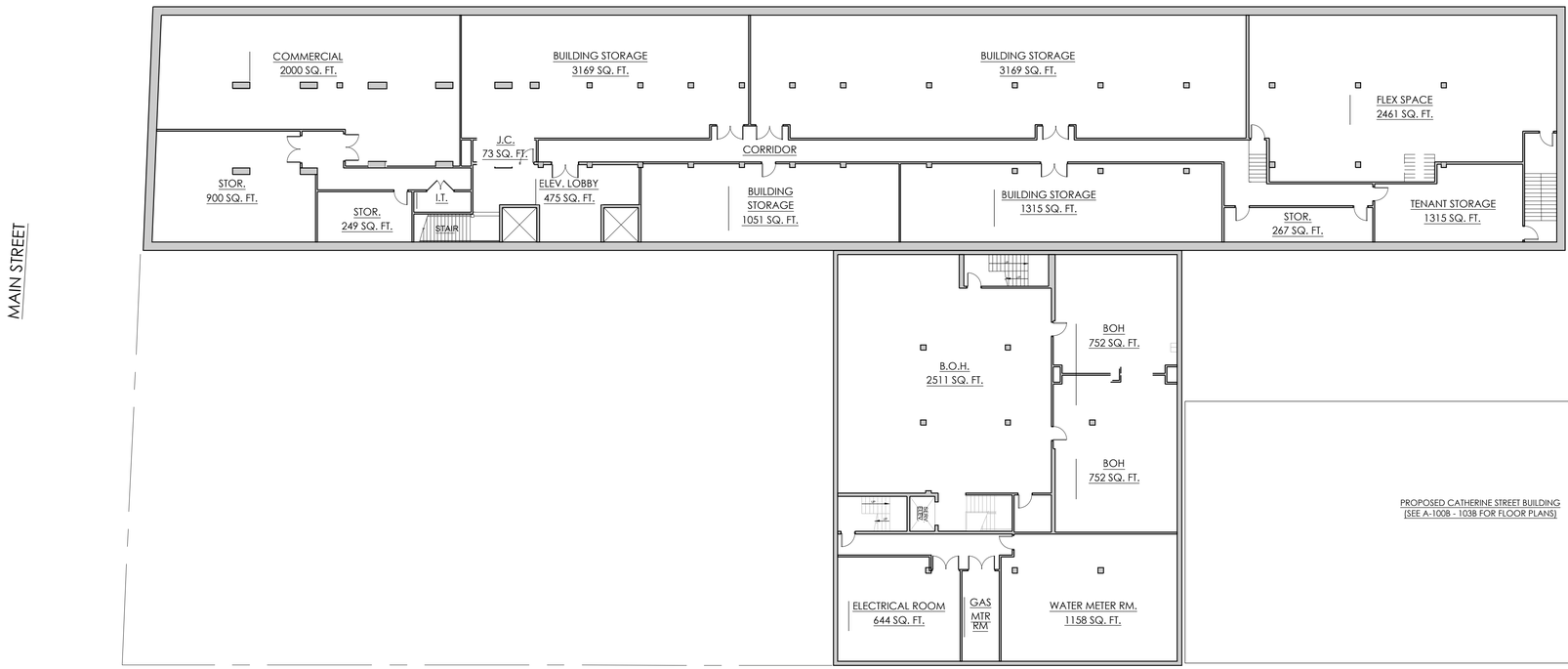
# MAIN STREET BUILDING ROOF PLAN

SEAL / SIGNATURE:




| | |
|---|---|
| PROJECT No: | 2020-30 |
| DRAWN BY: | AA, LB |
| CHECK'D BY: | SY |
| DWG. No: | A-104A |




## 331 MAIN STREET

**APARTMENT DISTRIBUTION CHART - Wallace Building**

| FLOOR | STUDIO | 1 BR | 2 BR | 3 BR | TOTAL | GROSS AREA | ZONING AREA |
|---|---|---|---|---|---|---|---|
| Cellar | | | | | | 25,180 | |
| 1st | 6 | 6 | 2 | | 14 | 25,180 | 25,180 |
| 2nd | 4 | 11 | 4 | | 19 | 23,340 | 23,340 |
| 3rd | 4 | 11 | 4 | | 19 | 23,340 | 23,340 |
| 4th | 6 | 9 | 2 | | 17 | 17,816 | 17,816 |
| Roof | | | | | | | |
| TOTAL | 20 | 37 | 12 | 0 | 69 | 114,856 | 89,676 |
| % | 28.99% | 53.62% | 17.39% | 0.00% | 100.00% | | |

1/16"=1'-0" (15' 0 15 30)

PROJECT:

# WALLACE CAMPUS

331 MAIN STREET
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NY

OWNER:
WALLACE CAMPUS MANAGER LLC
48-02 25TH AVENUE, SUITE 400
ASTORIA, NY 11103

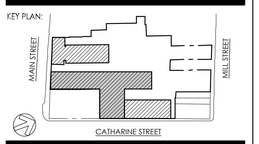
ARCHITECT:
SLCE *Architects*
1359 BROADWAY
NEW YORK, NEW YORK 10018
TEL: (212) 979-8400
FAX: (212) 979-8387

LANDSCAPE / CIVIL
THE LRC GROUP
85 CIVIC CENTER PLAZA, SUITE 103
POUGHKEEPSIE, NY 12601
TEL: (845) 243-2880
FAX: (845) 265-8175

| No: | Date: | Distribution: |
|---|---|---|
| 1 | 6/5/2020 | REVISED PER CITY COMMENTS |
| 2 | 7/10/2020 | PLANNING BOARD RE-SUBMISSION |
| 3 | 10/30/2020 | PLANNING BOARD RE-SUBMISSION |
| 4 | 12/8/2020 | PLANNING BOARD RE-SUBMISSION |
| 5 | 3/5/2021 | PLANNING BOARD RE-SUBMISSION |
| 6 | 9/28/2021 | PLANNING BOARD RE-SUBMISSION |

DOB NUMBER:

KEY PLAN:




DRAWING TITLE:

# WALLACE BUILDING CELLAR PLAN

SEAL / SIGNATURE:

REGISTERED ARCHITECT
SAKY YAKAS
No. 018047
STATE OF NEW YORK

| | |
|---|---|
| PROJECT No: | 2020-30 |
| DRAWN BY: | AA, LB |
| CHECK'D BY: | SY |
| DWG. No: | A-100C |




331 MAIN STREET

**APARTMENT DISTRIBUTION CHART - Wallace Building**

| FLOOR | STUDIO | 1 BR | 2 BR | 3 BR | TOTAL | GROSS AREA | ZONING AREA |
|---|---|---|---|---|---|---|---|
| Cellar | | | | | | 25,180 | |
| 1st | 6 | 6 | 2 | | 14 | 25,180 | 25,180 |
| 2nd | 4 | 11 | 4 | | 19 | 23,340 | 23,340 |
| 3rd | 4 | 11 | 4 | | 19 | 23,340 | 23,340 |
| 4th | 6 | 9 | 2 | | 17 | 17,816 | 17,816 |
| Roof | | | | | | | |
| TOTAL | 20 | 37 | 12 | 0 | 69 | 114,856 | 89,676 |
| % | 28.99% | 53.62% | 17.39% | 0.00% | 100.00% | | |

N

1/16"=1'-0" 15' 0 15 30

PROJECT:

# WALLACE CAMPUS

331 MAIN STREET
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NY


OWNER:
WALLACE CAMPUS MANAGER LLC
48-02 25TH AVENUE, SUITE 400
ASTORIA, NY 11103

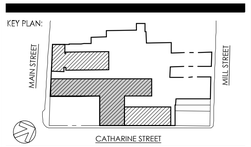
ARCHITECT:
SLCE *Architects*
1359 BROADWAY
NEW YORK, NEW YORK 10018
TEL: (212) 979-8400
FAX: (212) 979-8387

LANDSCAPE / CIVIL
THE LRC GROUP
85 CIVIC CENTER PLAZA, SUITE 103
POUGHKEEPSIE, NY 12601
TEL: (845) 243-2880
FAX: (845) 265-8175


| No: | Date: | Distribution: |
|---|---|---|
| 1 | 6/5/2020 | REVISED PER CITY COMMENTS |
| 2 | 7/10/2020 | PLANNING BOARD RE-SUBMISSION |
| 3 | 10/30/2020 | PLANNING BOARD RE-SUBMISSION |
| 4 | 12/8/2020 | PLANNING BOARD RE-SUBMISSION |
| 5 | 3/5/2021 | PLANNING BOARD RE-SUBMISSION |
| 6 | 9/28/2021 | PLANNING BOARD RE-SUBMISSION |

DOB NUMBER:

KEY PLAN:




DRAWING TITLE:

## WALLACE BUILDING
## 1ST FL. PLAN

SEAL / SIGNATURE:

REGISTERED ARCHITECT
SAKY YAKAS
No. 018047
STATE OF NEW YORK

PROJECT No: 2020-30
DRAWN BY: AA, LB
CHECKED BY: SY
DWG. No:

A-101C




## 331 MAIN STREET

**APARTMENT DISTRIBUTION CHART - Wallace Building**

| FLOOR | STUDIO | 1 BR | 2 BR | 3 BR | TOTAL | GROSS AREA | ZONING AREA |
|---|---|---|---|---|---|---|---|
| Cellar | | | | | | 25,180 | |
| 1st | 6 | 6 | 2 | | 14 | 25,180 | 25,180 |
| 2nd | 4 | 11 | 4 | | 19 | 23,340 | 23,340 |
| 3rd | 4 | 11 | 4 | | 19 | 23,340 | 23,340 |
| 4th | 6 | 9 | 2 | | 17 | 17,816 | 17,816 |
| Roof | | | | | | | |
| TOTAL | 20 | 37 | 12 | 0 | 69 | 114,856 | 89,676 |
| % | 28.99% | 53.62% | 17.39% | 0.00% | 100.00% | | |

1/16"=1'-0" (15' 0 15 30)

PROJECT:

# WALLACE CAMPUS

331 MAIN STREET
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NY


OWNER:
WALLACE CAMPUS MANAGER LLC
48-02 25TH AVENUE, SUITE 400
ASTORIA, NY 11103

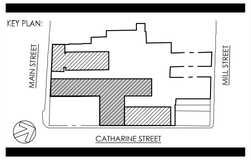
ARCHITECT:
SLCE *Architects*
1359 BROADWAY
NEW YORK, NEW YORK 10018
TEL: (212) 979-8400
FAX: (212) 979-8387

LANDSCAPE / CIVIL
THE LRC GROUP
85 CIVIC CENTER PLAZA, SUITE 103
POUGHKEEPSIE, NY 12601
TEL: (845) 243-2880
FAX: (845) 265-8175


| No: | Date: | Distribution: |
|---|---|---|
| 1 | 6/5/2020 | REVISED PER CITY COMMENTS |
| 2 | 7/10/2020 | PLANNING BOARD RE-SUBMISSION |
| 3 | 10/30/2020 | PLANNING BOARD RE-SUBMISSION |
| 4 | 12/8/2020 | PLANNING BOARD RE-SUBMISSION |
| 5 | 3/5/2021 | PLANNING BOARD RE-SUBMISSION |
| 6 | 9/28/2021 | PLANNING BOARD RE-SUBMISSION |

DOB NUMBER:

KEY PLAN:




DRAWING TITLE:

# WALLACE BUILDING 2ND & 3RD FL. PLAN

SEAL / SIGNATURE:

REGISTERED ARCHITECT SAKY YAKAS No. 016047 STATE OF NEW YORK

| | |
|---|---|
| PROJECT No: | 2020-30 |
| DRAWN BY: | AA, LB |
| CHECK'D BY: | SY |
| DWG. No: | A-102C |




## 331 MAIN STREET

**APARTMENT DISTRIBUTION CHART - Wallace Building**

| FLOOR | STUDIO | 1 BR | 2 BR | 3 BR | TOTAL | GROSS AREA | ZONING AREA |
|---|---|---|---|---|---|---|---|
| Cellar | | | | | | 25,180 | |
| 1st | 6 | 6 | 2 | | 14 | 25,180 | 25,180 |
| 2nd | 4 | 11 | 4 | | 19 | 23,340 | 23,340 |
| 3rd | 4 | 11 | 4 | | 19 | 23,340 | 23,340 |
| 4th | 6 | 9 | 2 | | 17 | 17,816 | 17,816 |
| Roof | | | | | | | |
| TOTAL | 20 | 37 | 12 | 0 | 69 | 114,856 | 89,676 |
| % | 28.99% | 53.62% | 17.39% | 0.00% | 100.00% | | |

N

1/16"=1'-0" 15' 0 15 30

PROJECT:

# WALLACE CAMPUS

331 MAIN STREET
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NY


OWNER:
WALLACE CAMPUS MANAGER LLC
48-02 25TH AVENUE, SUITE 400
ASTORIA, NY 11103

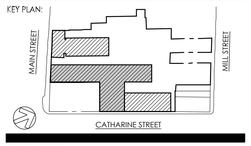
ARCHITECT:
SLCE *Architects*
1359 BROADWAY
NEW YORK, NEW YORK 10018
TEL: (212) 979-8400
FAX: (212) 979-8387

LANDSCAPE / CIVIL
THE LRC GROUP
85 CIVIC CENTER PLAZA, SUITE 103
POUGHKEEPSIE, NY 12601
TEL: (845) 243-2880
FAX: (845) 265-8175


| No: | Date: | Distribution: |
|---|---|---|
| 1 | 6/5/2020 | REVISED PER CITY COMMENTS |
| 2 | 7/10/2020 | PLANNING BOARD RE-SUBMISSION |
| 3 | 10/30/2020 | PLANNING BOARD RE-SUBMISSION |
| 4 | 12/8/2020 | PLANNING BOARD RE-SUBMISSION |
| 5 | 3/5/2021 | PLANNING BOARD RE-SUBMISSION |
| 6 | 9/28/2021 | PLANNING BOARD RE-SUBMISSION |

DOB NUMBER:

KEY PLAN:




DRAWING TITLE:

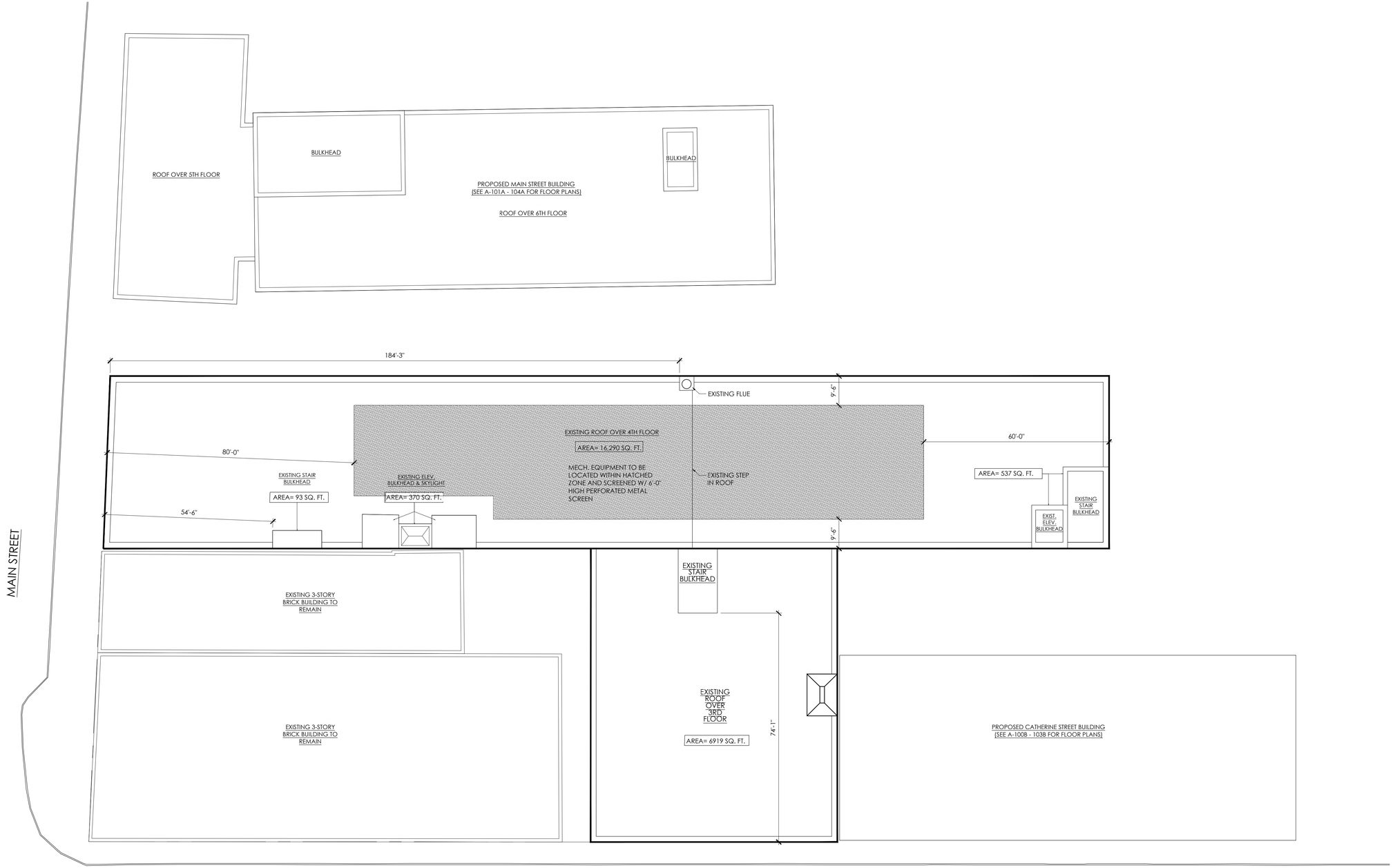
# WALLACE BUILDING 4TH FL. PLAN

SEAL / SIGNATURE:

REGISTERED ARCHITECT SAKY YAKAS No. 018047 STATE OF NEW YORK

PROJECT No: 2020-30
DRAWN BY: AA, LB
CHECKD BY: SY
DWG. No:

A-103C




331 MAIN STREET

**APARTMENT DISTRIBUTION CHART - Wallace Building**

| FLOOR | STUDIO | 1 BR | 2 BR | 3 BR | TOTAL | GROSS AREA | ZONING AREA |
|---|---|---|---|---|---|---|---|
| Cellar | | | | | | 25,180 | |
| 1st | 6 | 6 | 2 | | 14 | 25,180 | 25,180 |
| 2nd | 4 | 11 | 4 | | 19 | 23,340 | 23,340 |
| 3rd | 4 | 11 | 4 | | 19 | 23,340 | 23,340 |
| 4th | 6 | 9 | 2 | | 17 | 17,816 | 17,816 |
| Roof | | | | | | | |
| TOTAL | 20 | 37 | 12 | 0 | 69 | 114,856 | 89,676 |
| % | 28.99% | 53.62% | 17.39% | 0.00% | 100.00% | | |

N

1/16"=1'-0" 15' 0 15 30

PROJECT:

# WALLACE CAMPUS

331 MAIN STREET
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NY


OWNER:
WALLACE CAMPUS MANAGER LLC
48-02 25TH AVENUE, SUITE 400
ASTORIA, NY 11103

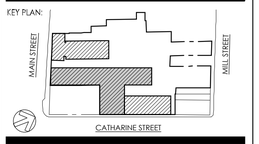
ARCHITECT:
SLCE *Architects*
1359 BROADWAY
NEW YORK, NEW YORK 10018
TEL: (212) 979-8400
FAX: (212) 979-8387

LANDSCAPE / CIVIL
THE LRC GROUP
85 CIVIC CENTER PLAZA, SUITE 103
POUGHKEEPSIE, NY 12601
TEL: (845) 243-2880
FAX: (845) 265-8175


| No: | Date: | Distribution: |
|---|---|---|
| 1 | 6/5/2020 | REVISED PER CITY COMMENTS |
| 2 | 7/10/2020 | PLANNING BOARD RE-SUBMISSION |
| 3 | 10/30/2020 | PLANNING BOARD RE-SUBMISSION |
| 4 | 12/8/2020 | PLANNING BOARD RE-SUBMISSION |
| 5 | 3/5/2021 | PLANNING BOARD RE-SUBMISSION |
| 6 | 9/28/2021 | PLANNING BOARD RE-SUBMISSION |

DOB NUMBER:

KEY PLAN:




DRAWING TITLE:

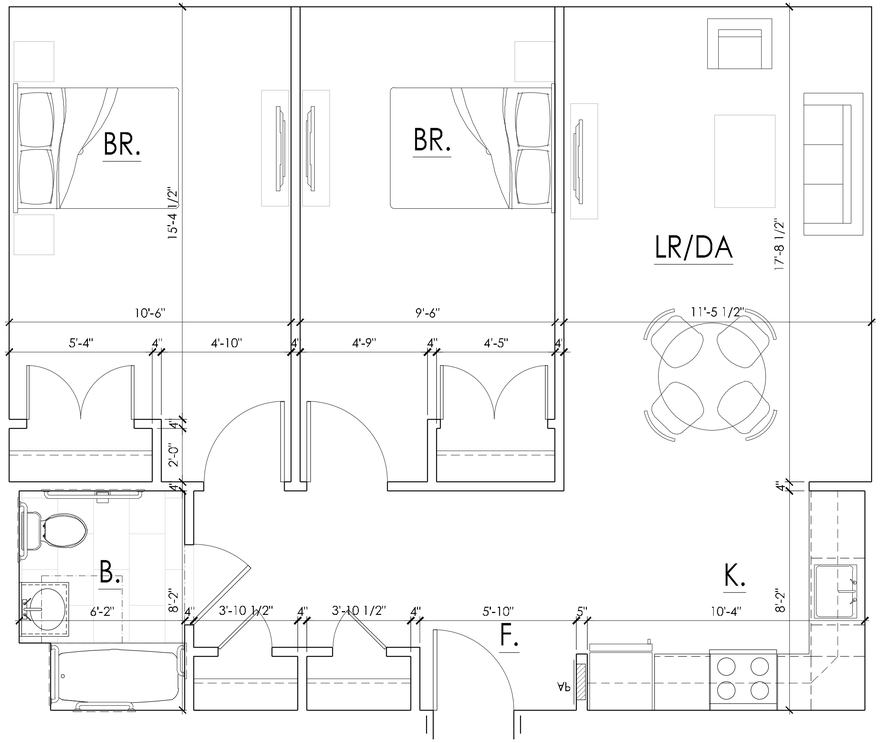
# WALLACE BUILDING ROOF PLAN

SEAL / SIGNATURE:

REGISTERED ARCHITECT SAKY YAKAS No. 018047 STATE OF NEW YORK

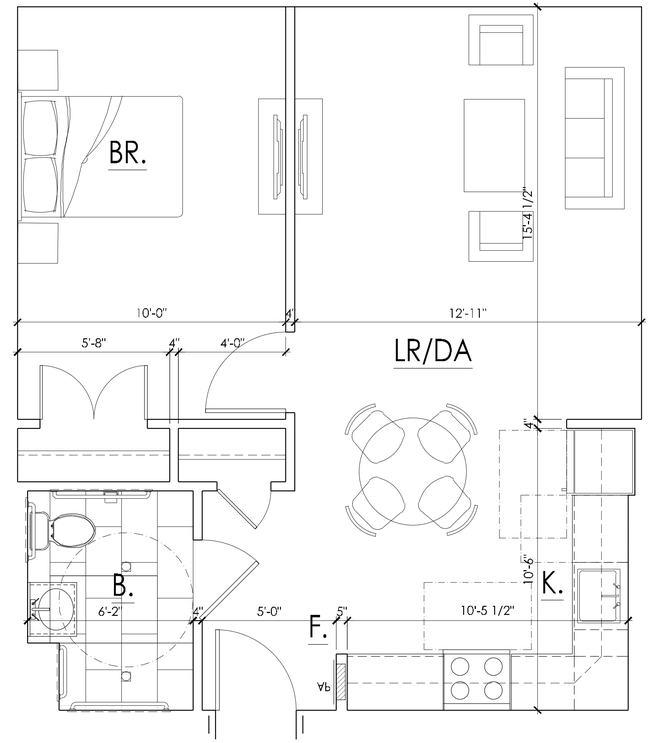
PROJECT No: 2020-30
DRAWN BY: AA, LB
CHECKD BY: SY
DWG. No:

A-104C



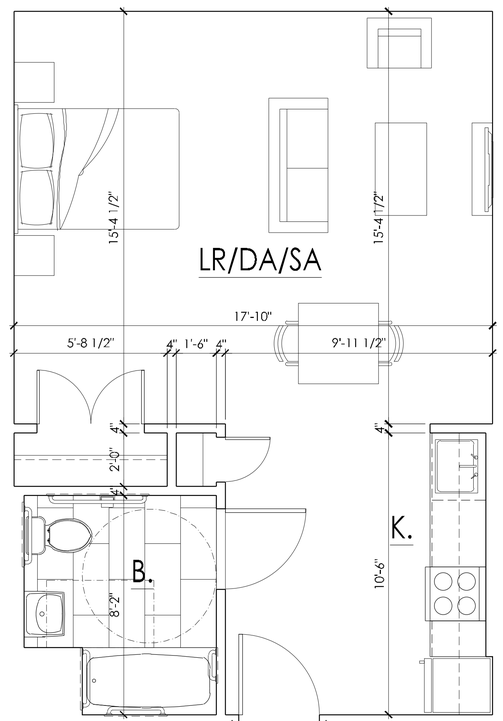

TYPICAL TWO BEDROOM

1/4"=1'-0" 4" 0 4 8




TYPICAL ONE BEDROOM

1/4"=1'-0" 4" 0 4 8




TYPICAL STUDIO

1/4"=1'-0" 4" 0 4 8

PROJECT:

# WALLACE CAMPUS

331 MAIN STREET
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NY

OWNER:

WALLACE CAMPUS MANAGER LLC
48-02 25TH AVENUE, SUITE 400
ASTORIA, NY 11103

ARCHITECT:

SLCE*Architects*
1359 BROADWAY
NEW YORK, NEW YORK 10018
TEL: (212) 979-8400
FAX: (212) 979-8387

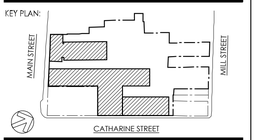
LANDSCAPE / CIVIL

THE LRC GROUP
85 CIVIC CENTER PLAZA, SUITE 103
POUGHKEEPSIE, NY 12601
TEL: (845) 243-2880
FAX: (845) 265-8175

| No: | Date: | Distribution: |
|---|---|---|
| 1 | 6/5/2020 | REVISED PER CITY COMMENTS |
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| 4 | 12/8/2020 | PLANNING BOARD RE-SUBMISSION |
| 5 | 3/5/2021 | PLANNING BOARD RE-SUBMISSION |
| 6 | 9/28/2021 | PLANNING BOARD RE-SUBMISSION |

DOB NUMBER:

KEY PLAN:




DRAWING TITLE:

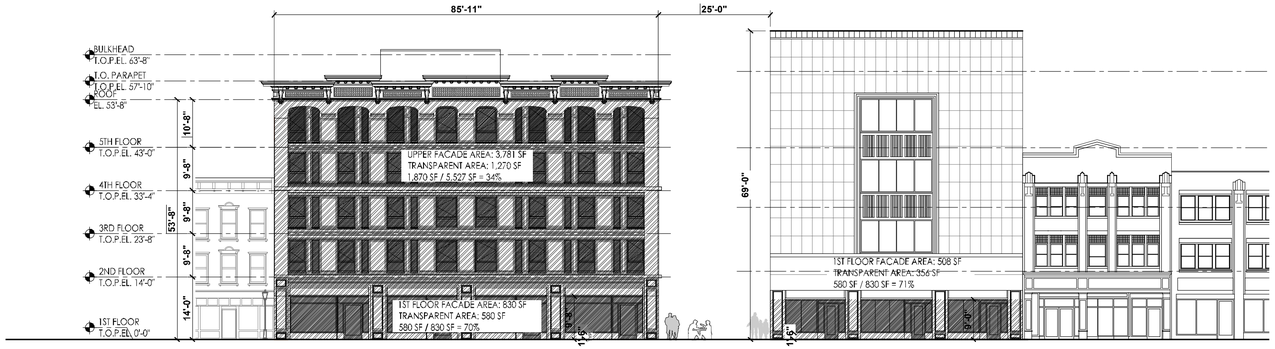
## TYPICAL APARTMENT LAYOUTS

SEAL / SIGNATURE:

REGISTERED ARCHITECT
SAKY YAKAS
No. 018047
STATE OF NEW YORK

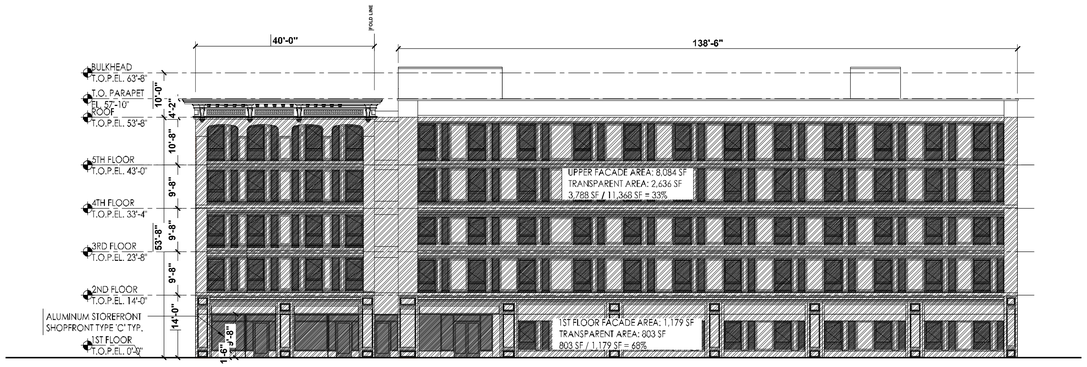
| | |
|---|---|
| PROJECT No: | 2020-30 |
| DRAWN BY: | AA, LB |
| CHECK'D BY: | SY |
| DWG. No: | |

A-110

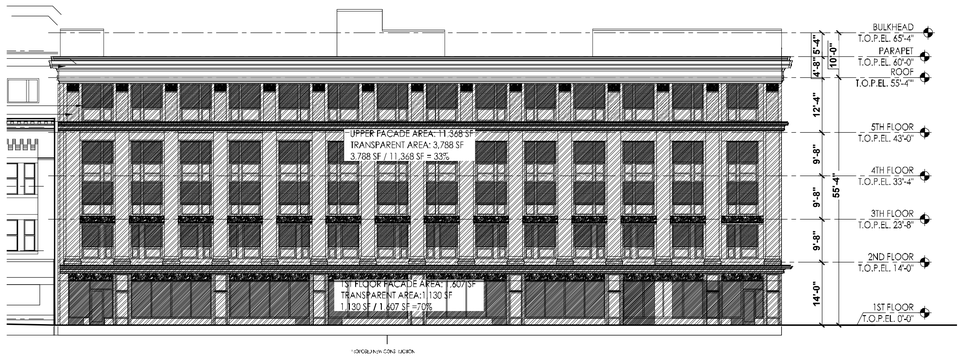



1 Z-001 MAIN STREET BUILDING: SOUTH FACADE
1/16"=1'-0"

2 Z-001 WALLACE BUILDING: SOUTH FACADE
1/16"=1'-0"




3 Z-001 MAIN STREET BUILDING: EAST FACADE
1/16"=1'-0"




4 Z-001 CATHARINE ST. BUILDING: EAST FACADE
1/16"=1'-0"




5 Z-001 WALLACE BUILDING: WEST FACADE
1/16"=1'-0"

PROJECT:

# WALLACE CAMPUS

331 MAIN STREET
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NY


OWNER:
WALLACE CAMPUS MANAGER LLC
48-02 25TH AVENUE, SUITE 400
ASTORIA, NY 11103

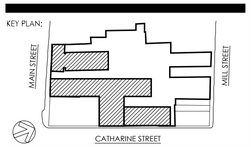
ARCHITECT:
SLCE*Architects*
1359 BROADWAY
NEW YORK, NEW YORK 10018
TEL: (212) 979-8400
FAX: (212) 979-8387

LANDSCAPE / CIVIL
THE LRC GROUP
85 CIVIC CENTER PLAZA, SUITE 103
POUGHKEEPSIE, NY 12601
TEL: (845) 243-2880
FAX: (845) 265-8175


| No: | Date: | Distribution: |
|---|---|---|
| 1 | 6/5/2020 | REVISED PER CITY COMMENTS |
| 2 | 7/10/2020 | PLANNING BOARD RE-SUBMISSION |
| 3 | 10/30/2020 | PLANNING BOARD RE-SUBMISSION |
| 4 | 12/8/2020 | PLANNING BOARD RE-SUBMISSION |
| 5 | 3/5/2021 | PLANNING BOARD RE-SUBMISSION |
| 6 | 9/28/2021 | PLANNING BOARD RE-SUBMISSION |

DOB NUMBER:

KEY PLAN:



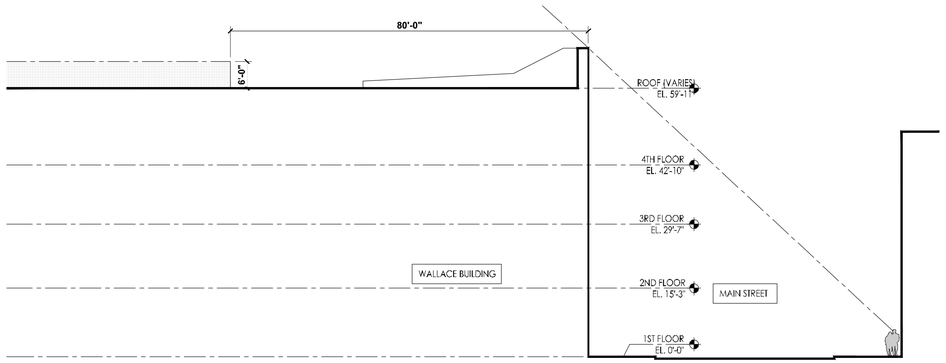

DRAWING TITLE:

# TRANSPARENCY ANALYSIS

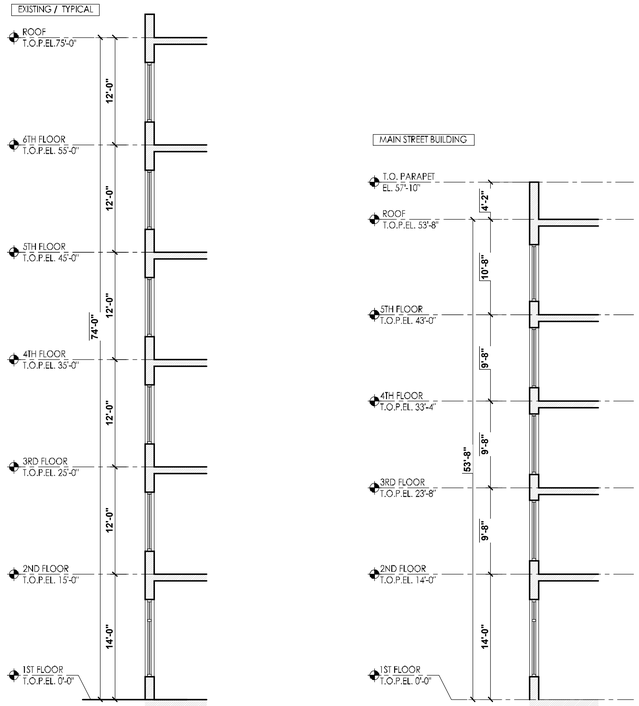
SEAL / SIGNATURE:

REGISTERED ARCHITECT SAKY YAKAS STATE OF NEW YORK No. 018047

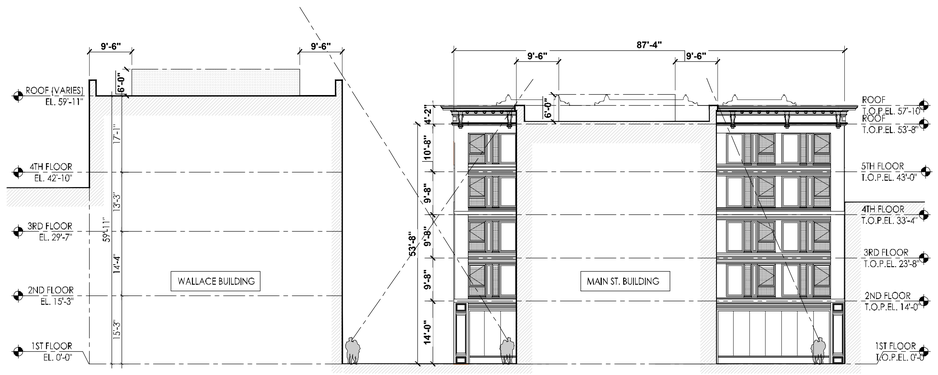
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| PROJECT No: | 2020-30 |
| DRAWN BY: | AA, LB |
| CHECKD BY: | SY |
| DWG. No: | Z-001 |



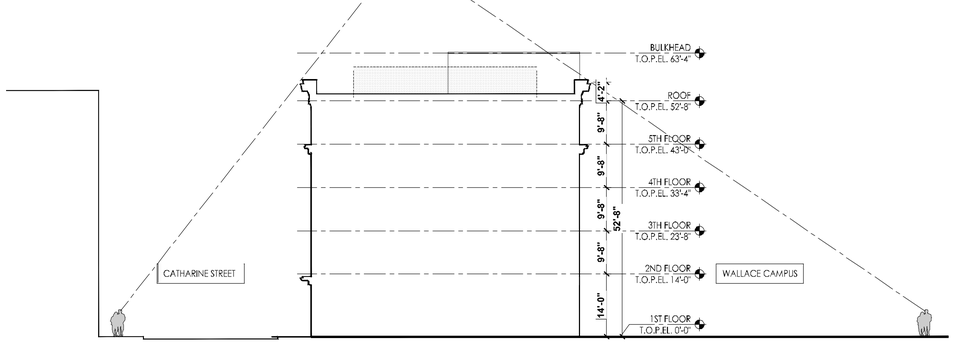

5 Z-002 WALLACE BUILDING: SIGHTLINE ANALYSIS
1/16"=1'-0"



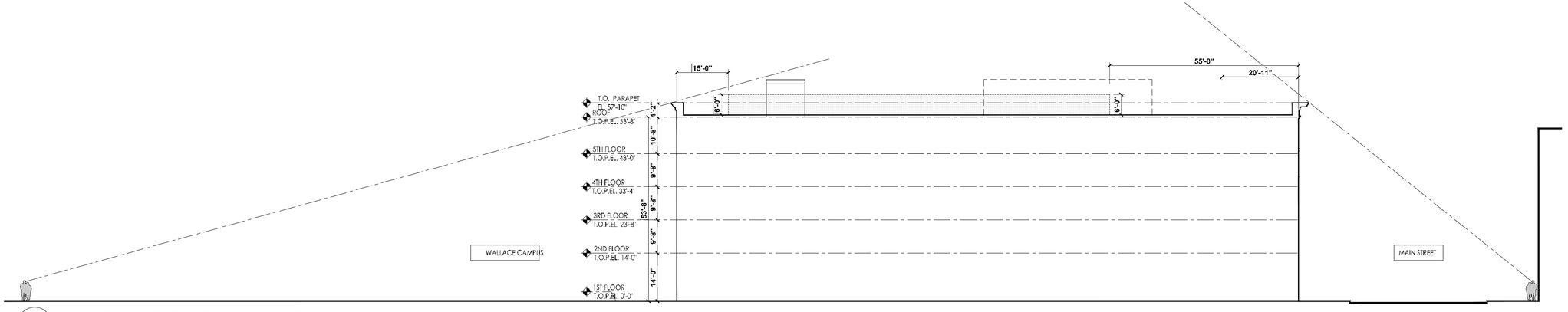

4 Z-002 STORY HEIGHT COMPARISON: EXISTING/HISTORICAL VS. PROPOSED RESIDENTIAL
1/16"=1'-0"




3 Z-002 MAIN STREET & WALLACE BUILDING: SIGHTLINE ANALYSIS
1/16"=1'-0"




2 Z-002 CATHARINE STREET BUILDING: SITELINE ANALYSIS
1/16"=1'-0"




1 Z-002 MAIN STREET BUILDING: SIGHTLINE ANALYSIS
1/16"=1'-0"

PROJECT:

# WALLACE CAMPUS

331 MAIN STREET
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NY

OWNER:
WALLACE CAMPUS MANAGER LLC
48-02 25TH AVENUE, SUITE 400
ASTORIA, NY 11103

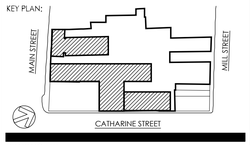
ARCHITECT:
SLCE*Architects*
1359 BROADWAY
NEW YORK, NEW YORK 10018
TEL: (212) 979-8400
FAX: (212) 979-8387

LANDSCAPE / CIVIL
THE LRC GROUP
85 CIVIC CENTER PLAZA, SUITE 103
POUGHKEEPSIE, NY 12601
TEL: (845) 243-2880
FAX: (845) 265-8175

| No: | Date: | Distribution: |
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| 6 | 9/28/2021 | PLANNING BOARD RE-SUBMISSION |

DOB NUMBER:

KEY PLAN:




DRAWING TITLE:

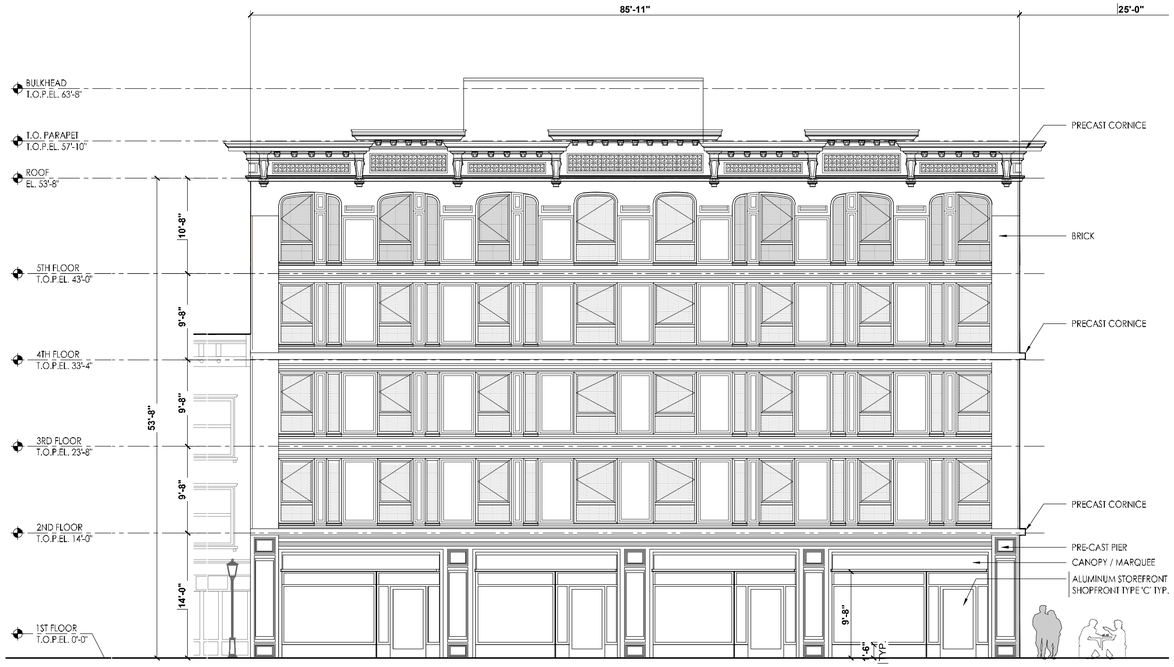
## SITELINE ANALYSIS

SEAL / SIGNATURE:

REGISTERED ARCHITECT
SAKY YAKAS
No. 018047
STATE OF NEW YORK

| | |
|---|---|
| PROJECT No: | 2020-30 |
| DRAWN BY: | AA, LB |
| CHECKD BY: | SY |
| DWG. No: | |

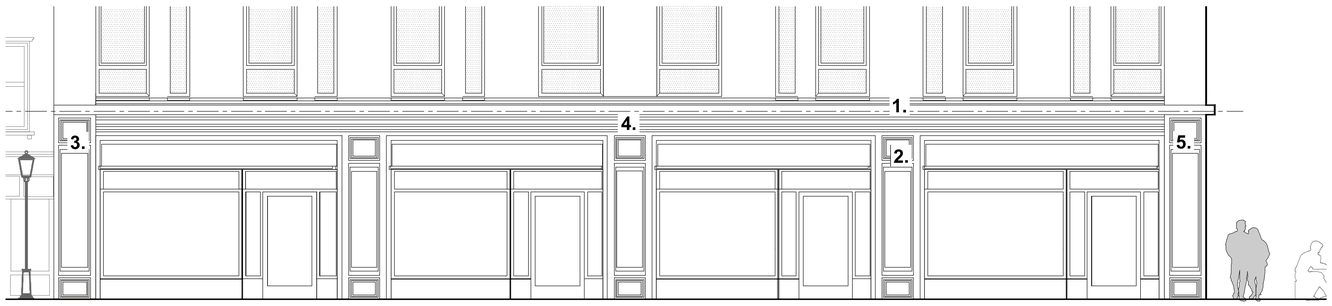
Z-002



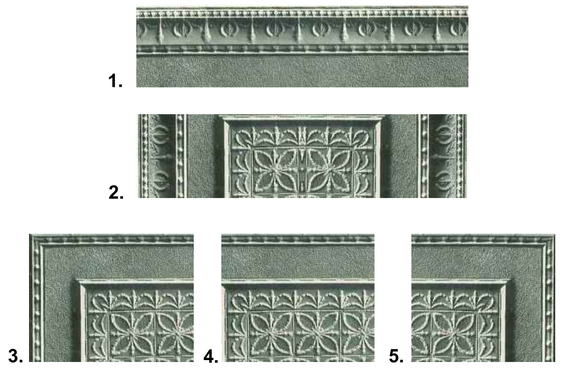

1 SOUTH ELEVATION
A-200A 1/8"=1'-0"




2 NORTH ELEVATION
A-200A 1/8"=1'-0"




3 STOREFRONT DETAIL ELEVATION
A-200A 3/16"=1'-0"




4 PRECAST RELIEF PATTERN (BASED ON EXISTING WALLACE TINE CEILING)
A-200A 3/16"=1'-0"

PROJECT:

# WALLACE CAMPUS

331 MAIN STREET
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NY


OWNER:
WALLACE CAMPUS MANAGER LLC
48-02 25TH AVENUE, SUITE 400
ASTORIA, NY 11103

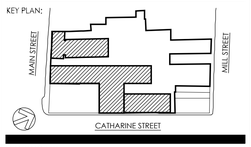
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DOB NUMBER:

KEY PLAN:




DRAWING TITLE:

## MAIN STREET BUILDING ELEVATION

SEAL / SIGNATURE:

REGISTERED ARCHITECT
SAKY YAKAS
No. 018047
STATE OF NEW YORK

PROJECT No: 2020-30
DRAWN BY: AA, LB
CHECKD BY: SY
DWG. No:

A-200A




1 A-201A MAIN STREET BUILDING: EAST ELEVATION
1/8"=1'-0"

PROJECT:

# WALLACE CAMPUS

331 MAIN STREET
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NY

OWNER:

WALLACE CAMPUS MANAGER LLC

48-02 25TH AVENUE, SUITE 400
ASTORIA, NY 11103

ARCHITECT:

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1359 BROADWAY
NEW YORK, NEW YORK 10018

TEL: (212) 979-8400
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LANDSCAPE / CIVIL

THE LRC GROUP

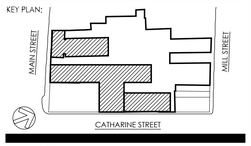
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DOB NUMBER:

KEY PLAN:




DRAWING TITLE:

## MAIN STREET BUILDING ELEVATION

SEAL / SIGNATURE:

REGISTERED ARCHITECT
SAKY YAKAS
No. 018047
STATE OF NEW YORK

| | |
|---|---|
| PROJECT No: | 2020-30 |
| DRAWN BY: | AA, LB |
| CHECKD BY: | SY |
| DWG. No: | |

A-201A




1 / A-202A — MAIN STREET BUILDING: WEST ELEVATION
1/8"=1'-0"

PROJECT:

# WALLACE CAMPUS

331 MAIN STREET
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NY


OWNER:
WALLACE CAMPUS MANAGER LLC
48-02 25TH AVENUE, SUITE 400
ASTORIA, NY 11103

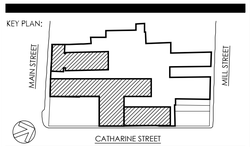
ARCHITECT:
SLCE*Architects*
1359 BROADWAY
NEW YORK, NEW YORK 10018
TEL: (212) 979-8400
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LANDSCAPE / CIVIL
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DOB NUMBER:

KEY PLAN:




DRAWING TITLE:

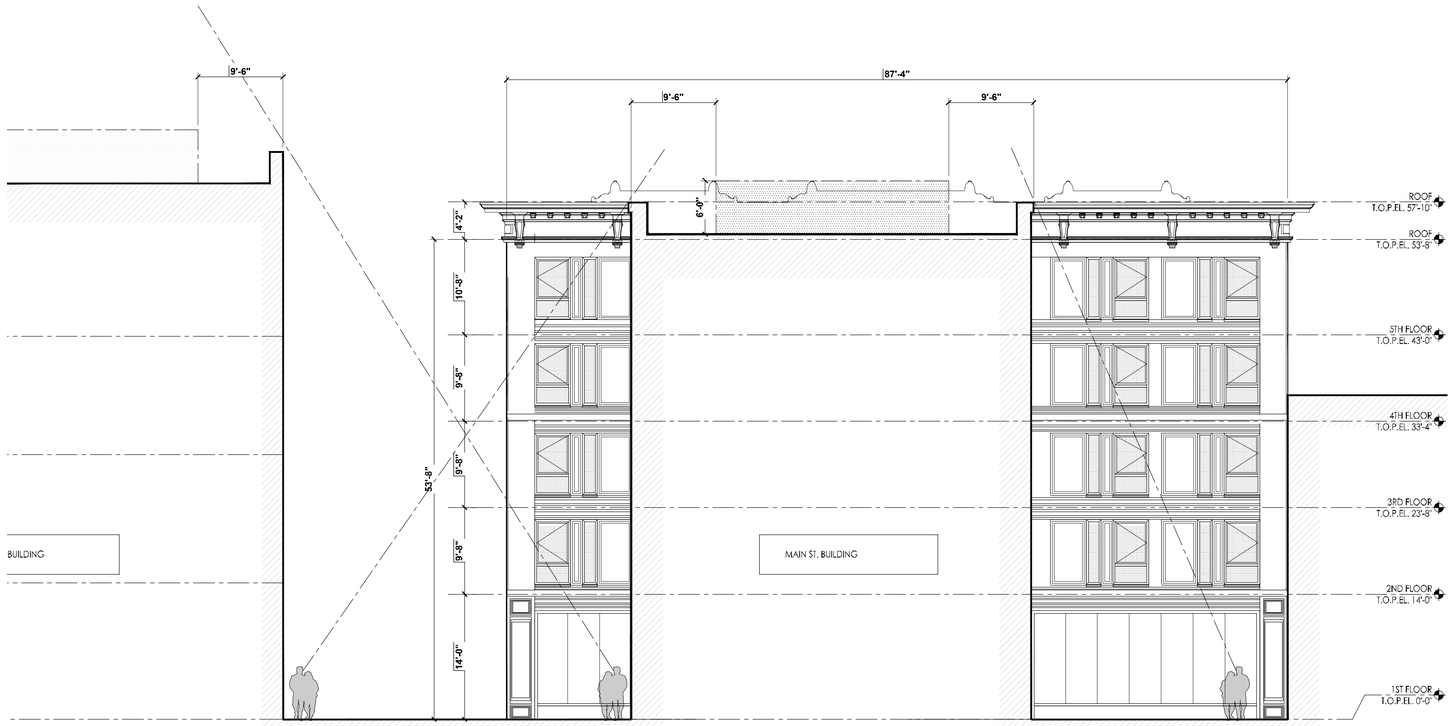
## MAIN STREET BUILDING ELEVATION

SEAL / SIGNATURE:

REGISTERED ARCHITECT
SAKY YAKAS
No. 018041
STATE OF NEW YORK

| | |
|---|---|
| PROJECT No: | 2020-30 |
| DRAWN BY: | AA, LB |
| CHECKD BY: | SY |
| DWG. No: | |

A-202A




1 A-203A MAIN STREET BUILDING: NORTH ELEVATION
1/8"=1'-0"

PROJECT:

# WALLACE CAMPUS

331 MAIN STREET
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NY


OWNER:
WALLACE CAMPUS MANAGER LLC
48-02 25TH AVENUE, SUITE 400
ASTORIA, NY 11103

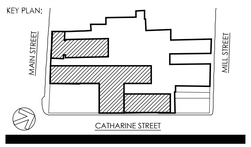
ARCHITECT:
SLCE*Architects*
1359 BROADWAY
NEW YORK, NEW YORK 10018
TEL: (212) 979-8400
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LANDSCAPE / CIVIL
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DOB NUMBER:

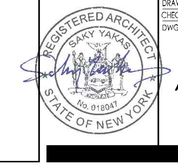
KEY PLAN:




DRAWING TITLE:

## MAIN STREET BUILDING ELEVATION

SEAL / SIGNATURE:




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|---|---|
| PROJECT No: | 2020-30 |
| DRAWN BY: | AA, LB |
| CHECKD BY: | SY |
| DWG. No: | |

A-203A




1 / A-200B — CATHARINE ST. BUILDING: EAST ELEVATION
1/8"=1'-0"

PROPOSED NEW CONSTRUCTION

PROJECT:

# WALLACE CAMPUS

331 MAIN STREET
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NY


OWNER:
WALLACE CAMPUS MANAGER LLC
48-02 25TH AVENUE, SUITE 400
ASTORIA, NY 11103

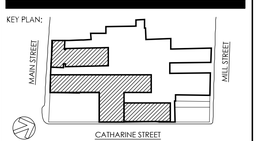
ARCHITECT:
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KEY PLAN:




DRAWING TITLE:

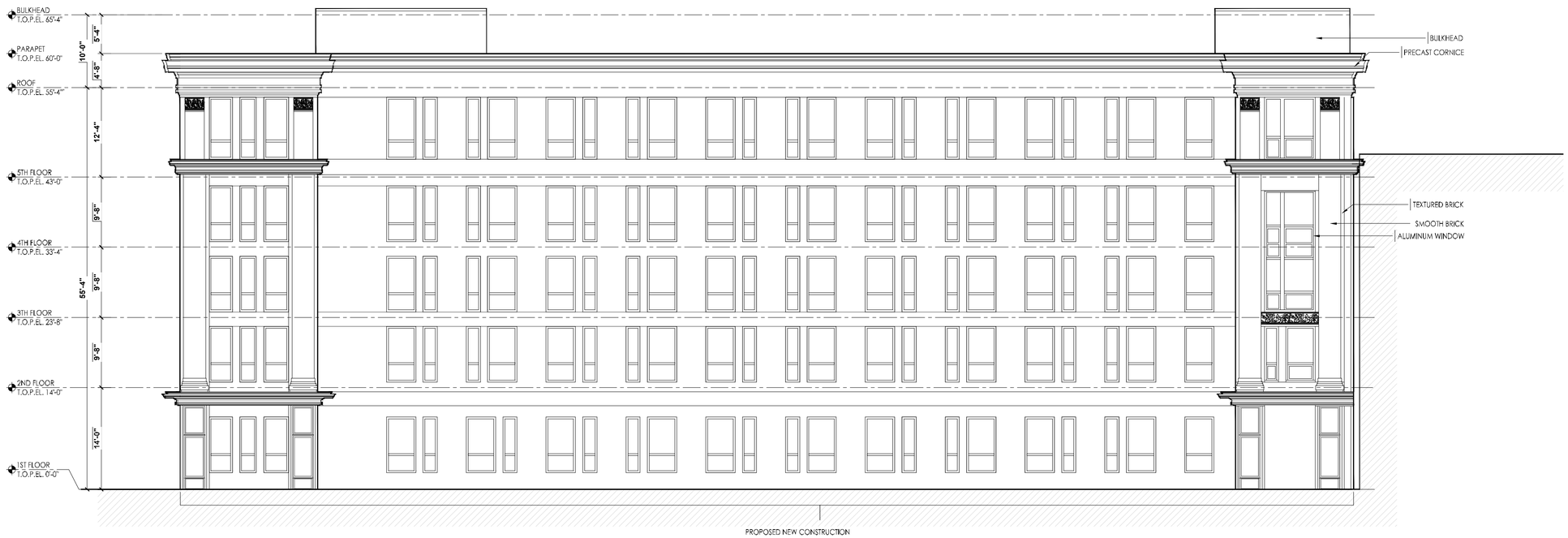
## CATHARINE STREET BUILDING ELEVATION

SEAL / SIGNATURE:

REGISTERED ARCHITECT
SAKY YAKAS
No. 018047
STATE OF NEW YORK

| | |
|---|---|
| PROJECT No: | 2020-30 |
| DRAWN BY: | AA, LB |
| CHECKD BY: | SY |
| DWG. No: | |

A-200B




1 / A-201B — CATHARINE ST BUILDING: WEST ELEVATION
1/8"=1'-0"

PROJECT:

# WALLACE CAMPUS

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CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NY


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WALLACE CAMPUS MANAGER LLC
48-02 25TH AVENUE, SUITE 400
ASTORIA, NY 11103

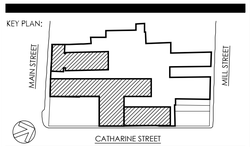
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NEW YORK, NEW YORK 10018
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DOB NUMBER:

KEY PLAN:




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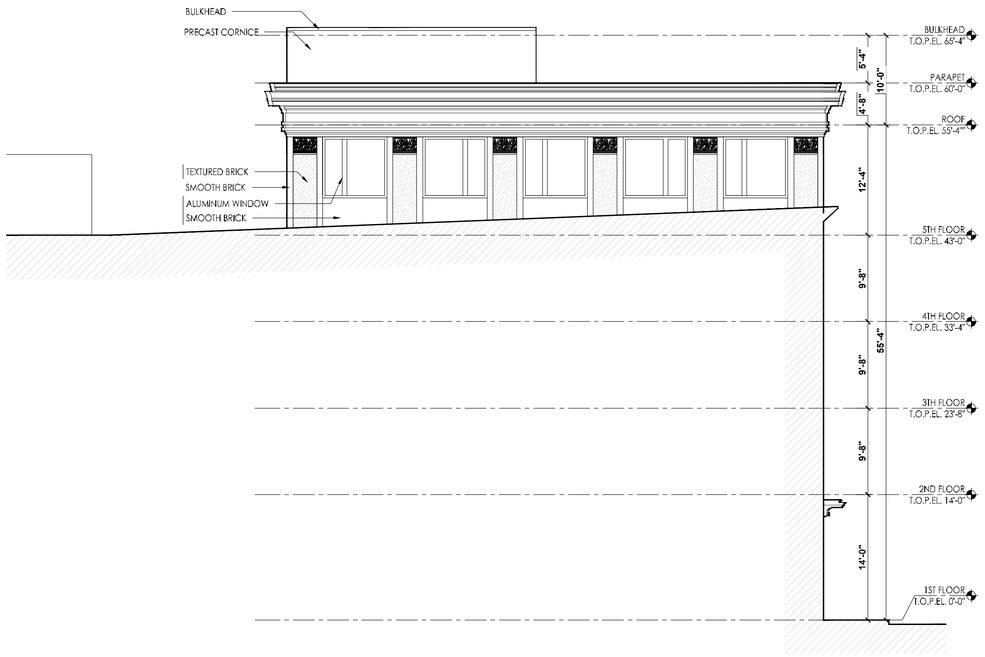
## CATHARINE STREET BUILDING ELEVATION

SEAL / SIGNATURE:

REGISTERED ARCHITECT
SAKY YAKAS
No. 018041
STATE OF NEW YORK

| | |
|---|---|
| PROJECT No: | 2020-30 |
| DRAWN BY: | AA, LB |
| CHECKD BY: | SY |
| DWG. No: | |

A-201B




1 A-202B CATHARINE ST BUILDING: SOUTH ELEVATION
1/8"=1'-0"




2 A-202B CATHARINE ST BUILDING: NORTH ELEVATION
1/8"=1'-0"

PROJECT:

# WALLACE CAMPUS

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CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NY


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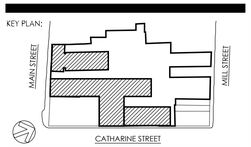
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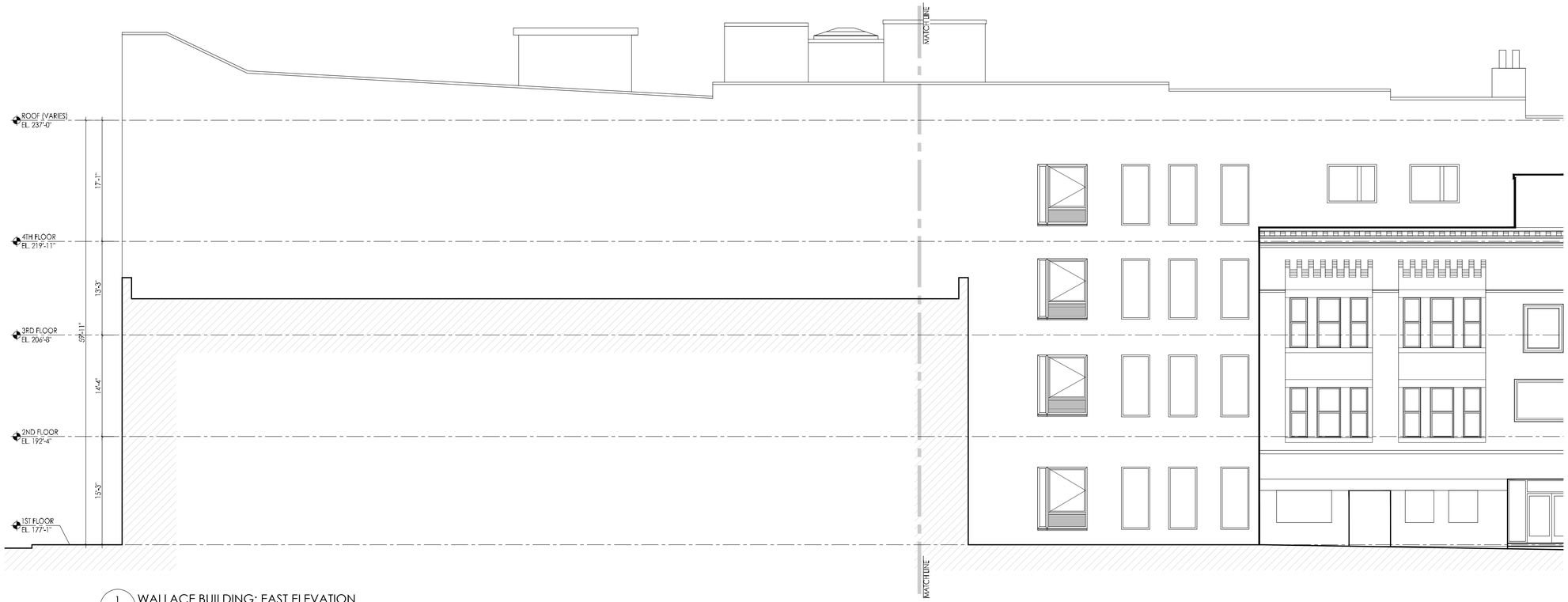
## CATHARINE STREET BUILDING ELEVATION

SEAL / SIGNATURE:

REGISTERED ARCHITECT
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No. 018041
STATE OF NEW YORK

| | |
|---|---|
| PROJECT No: | 2020-30 |
| DRAWN BY: | AA, LB |
| CHECKD BY: | SY |
| DWG. No: | |

A-202B




1 WALLACE BUILDING: EAST ELEVATION
A-200C 1/8"=1'-0"




2 CATHARINE ST BUILDING: EAST ELEVATION
A-200C 1/8"=1'-0"

PROJECT:

# WALLACE CAMPUS

331 MAIN STREET
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NY


OWNER:
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48-02 25TH AVENUE, SUITE 400
ASTORIA, NY 11103

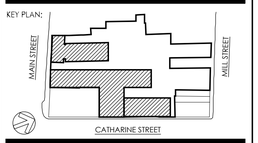
ARCHITECT:
SLCE*Architects*
1359 BROADWAY
NEW YORK, NEW YORK 10018
TEL: (212) 979-8400
FAX: (212) 979-8387

LANDSCAPE / CIVIL
THE LRC GROUP
85 CIVIC CENTER PLAZA, SUITE 103
POUGHKEEPSIE, NY 12601
TEL: (845) 243-2880
FAX: (845) 265-8175


| No: | Date: | Distribution: |
|---|---|---|
| 1 | 6/5/2020 | REVISED PER CITY COMMENTS |
| 2 | 7/10/2020 | PLANNING BOARD RE-SUBMISSION |
| 3 | 10/30/2020 | PLANNING BOARD RE-SUBMISSION |
| 4 | 12/8/2020 | PLANNING BOARD RE-SUBMISSION |
| 5 | 3/5/2021 | PLANNING BOARD RE-SUBMISSION |
| 6 | 9/28/2021 | PLANNING BOARD RE-SUBMISSION |

DOB NUMBER:

KEY PLAN:



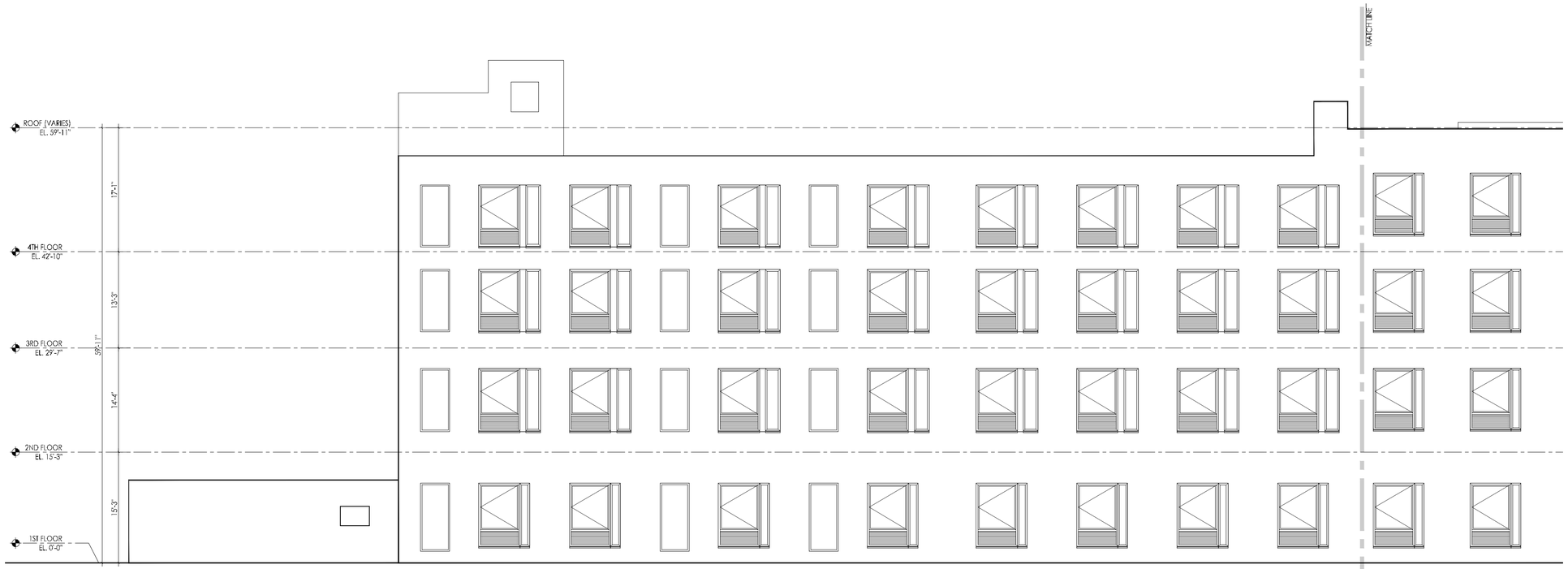

DRAWING TITLE:

## WALLACE BUILDING ELEVATIONS

SEAL / SIGNATURE:




| | |
|---|---|
| PROJECT No: | 2020-30 |
| DRAWN BY: | AA, LB |
| CHECKD BY: | SY |
| DWG. No: | A-200C |




1 A-201C WALLACE BUILDING: WEST ELEVATION
1/8"=1'-0"




1 A-201C WALLACE BUILDING: WEST ELEVATION
1/8"=1'-0"

PROJECT:

# WALLACE CAMPUS

331 MAIN STREET
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NY

OWNER:

WALLACE CAMPUS MANAGER LLC
48-02 25TH AVENUE, SUITE 400
ASTORIA, NY 11103

ARCHITECT:

SLCE*Architects*
1359 BROADWAY
NEW YORK, NEW YORK 10018
TEL: (212) 979-8400
FAX: (212) 979-8387

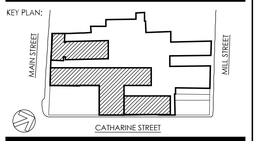
LANDSCAPE / CIVIL

THE LRC GROUP
85 CIVIC CENTER PLAZA, SUITE 103
POUGHKEEPSIE, NY 12601
TEL: (845) 243-2880
FAX: (845) 265-8175

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| 6 | 9/28/2021 | PLANNING BOARD RE-SUBMISSION |

DOB NUMBER:

KEY PLAN:




DRAWING TITLE:

## WALLACE BUILDING ELEVATIONS

SEAL / SIGNATURE:

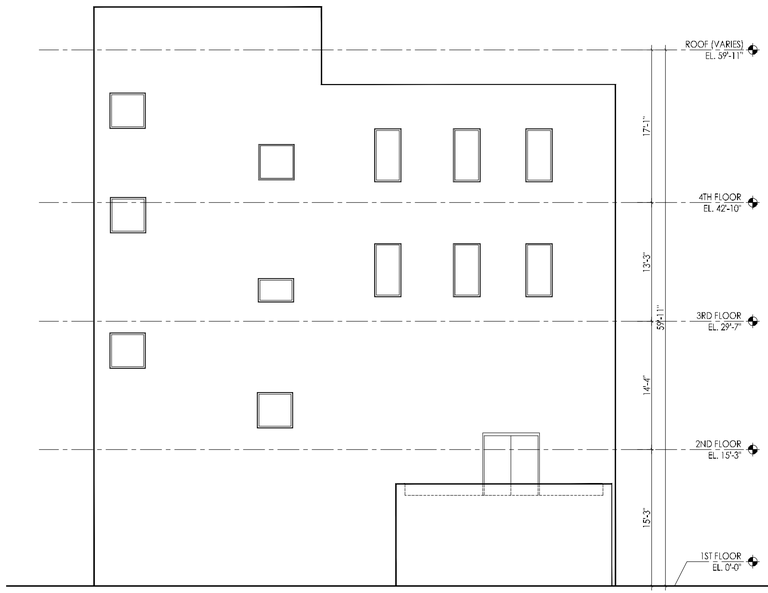
REGISTERED ARCHITECT
SAKY YAKAS
No. 018047
STATE OF NEW YORK

| | |
|---|---|
| PROJECT No: | 2020-30 |
| DRAWN BY: | AA, LB |
| CHECKED BY: | SY |
| DWG. No: | |

A-201C




1 A-202C WALLACE BUILDING: SOUTH ELEVATION
1/8"=1'-0"




2 A-202C WALLACE BUILDING: NORTH ELEVATION
1/8"=1'-0"

PROJECT:

# WALLACE CAMPUS

331 MAIN STREET
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NY


OWNER:
WALLACE CAMPUS MANAGER LLC
48-02 25TH AVENUE, SUITE 400
ASTORIA, NY 11103

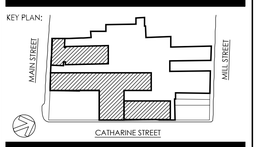
ARCHITECT:
SLCE*Architects*
1359 BROADWAY
NEW YORK, NEW YORK 10018
TEL: (212) 979-8400
FAX: (212) 979-8387

LANDSCAPE / CIVIL
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TEL: (845) 243-2880
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DOB NUMBER:

KEY PLAN:




DRAWING TITLE:

## WALLACE BUILDING ELEVATIONS

SEAL / SIGNATURE:




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| PROJECT No: | 2020-30 |
| DRAWN BY: | AA, LB |
| CHECKD BY: | SY |
| DWG. No: | |

A-202C

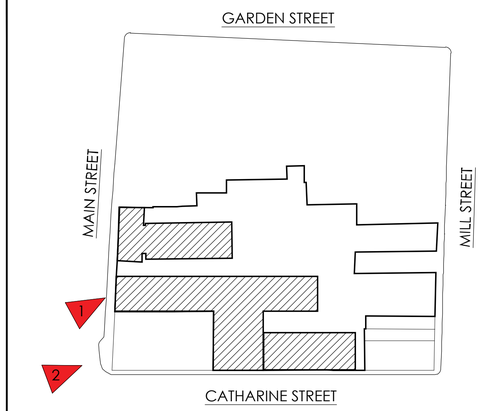


1. AERIAL VIEW: MAIN MALL ROW



2. AERIAL VIEW: OVERALL CAMPUS

VIEW KEY




PROJECT:

# WALLACE CAMPUS

331 MAIN STREET
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NY


OWNER:
WALLACE CAMPUS MANAGER LLC
48-02 25TH AVENUE, SUITE 400
ASTORIA, NY 11103

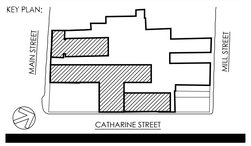
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DOB NUMBER:

KEY PLAN:




DRAWING TITLE:

## RENDERINGS

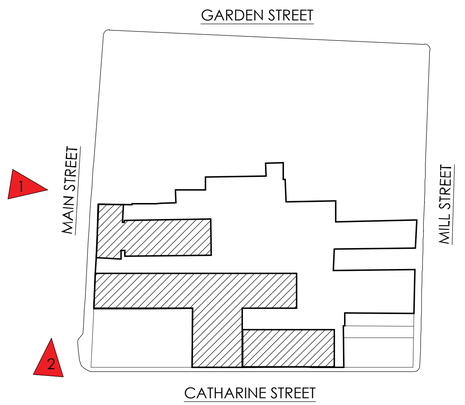
SEAL / SIGNATURE:




| | |
|---|---|
| PROJECT No: | 2020-30 |
| DRAWN BY: | AA, LB |
| CHECK'D BY: | SY |
| DWG. No: | A-201 |



VIEW KEY




1. VIEW FROM MAIN STREET




2.VIEW FROM MAIN STREET AND CATHARINE STREET

PROJECT:

# WALLACE CAMPUS

331 MAIN STREET
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NY


OWNER:
WALLACE CAMPUS MANAGER LLC
48-02 25TH AVENUE, SUITE 400
ASTORIA, NY 11103

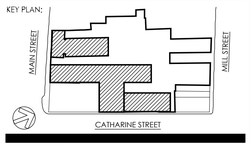
ARCHITECT:
SLCE*Architects*
1359 BROADWAY
NEW YORK, NEW YORK 10018
TEL: (212) 979-8400
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LANDSCAPE / CIVIL
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DOB NUMBER:

KEY PLAN:




DRAWING TITLE:

RENDERINGS

SEAL / SIGNATURE:

REGISTERED ARCHITECT
SAKY YAKAS
No. 018041
STATE OF NEW YORK

| | |
|---|---|
| PROJECT No: | 2020-30 |
| DRAWN BY: | AA, LB |
| CHECKD BY: | SY |
| DWG. No: | |

A-202

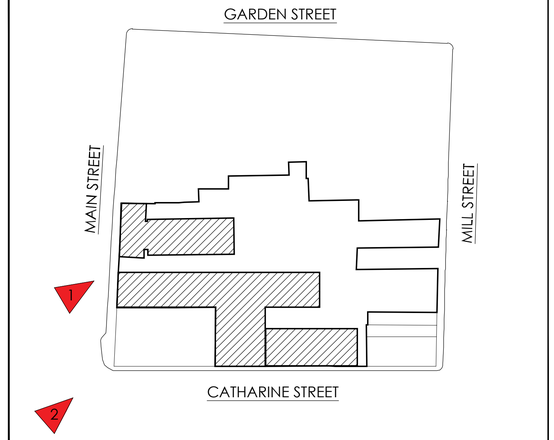


1. VIEW FROM MAIN STREET



2.VIEW FROM MAIN STREET AND CATHARINE STREET

VIEW KEY




PROJECT:

# WALLACE CAMPUS

331 MAIN STREET
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NY


OWNER:
WALLACE CAMPUS MANAGER LLC
48-02 25TH AVENUE, SUITE 400
ASTORIA, NY 11103

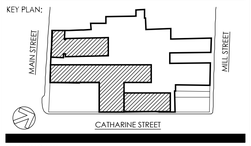
ARCHITECT:
SLCE*Architects*
1359 BROADWAY
NEW YORK, NEW YORK 10018
TEL: (212) 979-8400
FAX: (212) 979-8387

LANDSCAPE / CIVIL
THE LRC GROUP
85 CIVIC CENTER PLAZA, SUITE 103
POUGHKEEPSIE, NY 12601
TEL: (845) 243-2880
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DOB NUMBER:

KEY PLAN:




DRAWING TITLE:

## RENDERINGS

SEAL / SIGNATURE:

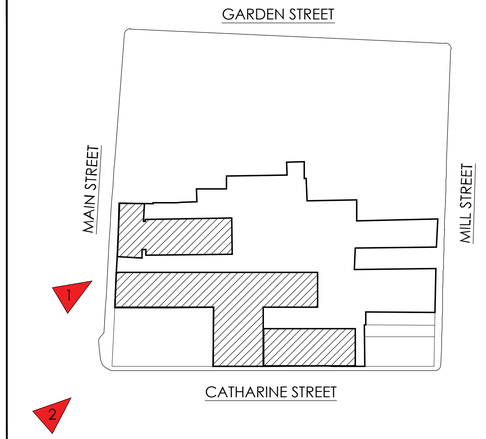
REGISTERED ARCHITECT
SAKY YAKAS
No. 018041
STATE OF NEW YORK

| | |
|---|---|
| PROJECT No: | 2020-30 |
| DRAWN BY: | AA, LB |
| CHECK'D BY: | SY |
| DWG. No: | A-203 |




1. VIEW FROM MAIN STREET

VIEW KEY






2.VIEW FROM MAIN STREET AND CATHARINE STREET



PROJECT:

# WALLACE CAMPUS

331 MAIN STREET
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NY

OWNER:
WALLACE CAMPUS MANAGER LLC
48-02 25TH AVENUE, SUITE 400
ASTORIA, NY 11103

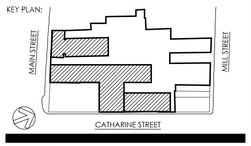
ARCHITECT:
SLCE*Architects*
1359 BROADWAY
NEW YORK, NEW YORK 10018
TEL: (212) 979-8400
FAX: (212) 979-8387

LANDSCAPE / CIVIL
THE LRC GROUP
85 CIVIC CENTER PLAZA, SUITE 103
POUGHKEEPSIE, NY 12601
TEL: (845) 243-2880
FAX: (845) 265-8175

| No: | Date: | Distribution: |
|---|---|---|
| 1 | 6/5/2020 | REVISED PER CITY COMMENTS |
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DOB NUMBER:

KEY PLAN:




DRAWING TITLE:

## RENDERINGS

SEAL / SIGNATURE:

REGISTERED ARCHITECT
SAKY YAKAS
No. 018041
STATE OF NEW YORK

| | |
|---|---|
| PROJECT No: | 2020-30 |
| DRAWN BY: | AA, LB |
| CHECKD BY: | SY |
| DWG. No: | |

A-204

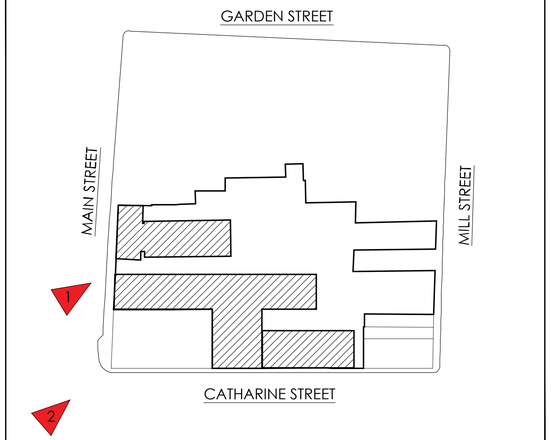



1. VIEW FROM MAIN STREET



2.VIEW FROM MAIN STREET AND CATHARINE STREET

VIEW KEY




PROJECT:

# WALLACE CAMPUS

331 MAIN STREET
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NY

OWNER:
WALLACE CAMPUS MANAGER LLC
48-02 25TH AVENUE, SUITE 400
ASTORIA, NY 11103

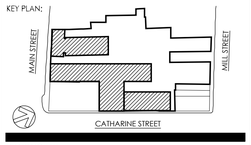
ARCHITECT:
SLCE*Architects*
1359 BROADWAY
NEW YORK, NEW YORK 10018
TEL: (212) 979-8400
FAX: (212) 979-8387

LANDSCAPE / CIVIL
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POUGHKEEPSIE, NY 12601
TEL: (845) 243-2880
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DOB NUMBER:

KEY PLAN:




DRAWING TITLE:

## RENDERINGS

SEAL / SIGNATURE:




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| PROJECT No: | 2020-30 |
| DRAWN BY: | AA, LB |
| CHECKD BY: | SY |
| DWG. No: | A-205 |

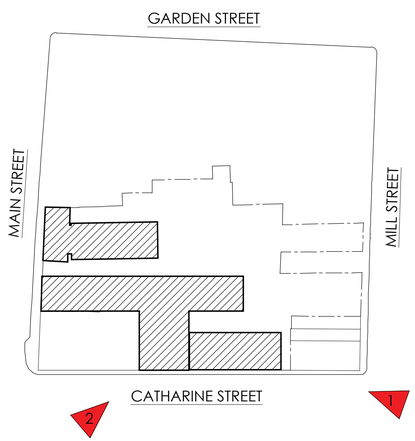


1. VIEW FROM MAIN STREET



2.VIEW FROM MAIN STREET AND CATHARINE STREET

VIEW KEY




PROJECT:

# WALLACE CAMPUS

331 MAIN STREET
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NY


OWNER:
WALLACE CAMPUS MANAGER LLC
48-02 25TH AVENUE, SUITE 400
ASTORIA, NY 11103

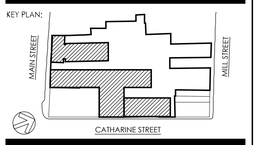
ARCHITECT:
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NEW YORK, NEW YORK 10018
TEL: (212) 979-8400
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DOB NUMBER:

KEY PLAN:




DRAWING TITLE:

## RENDERINGS

SEAL / SIGNATURE:

REGISTERED ARCHITECT
SAKY YAKAS
No. 018047
STATE OF NEW YORK

| | |
|---|---|
| PROJECT No: | 2020-30 |
| DRAWN BY: | AA, LB |
| CHECKD BY: | SY |
| DWG. No: | |

A-206

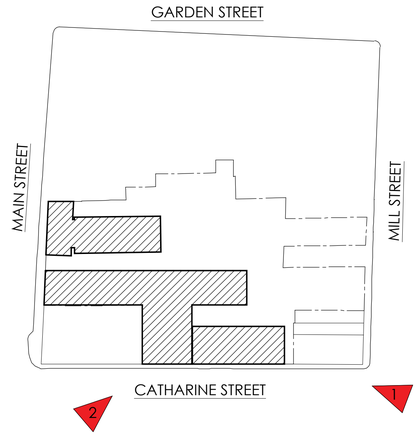


1. VIEW FROM MAIN STREET



2.VIEW FROM MAIN STREET AND CATHARINE STREET

VIEW KEY




PROJECT:

# WALLACE CAMPUS

331 MAIN STREET
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NY


OWNER:
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48-02 25TH AVENUE, SUITE 400
ASTORIA, NY 11103

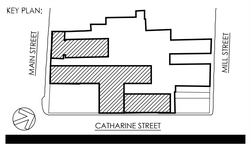
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DOB NUMBER:

KEY PLAN:




DRAWING TITLE:

## RENDERINGS

SEAL / SIGNATURE:




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| PROJECT No: | 2020-30 |
| DRAWN BY: | AA, LB |
| CHECKD BY: | SY |
| DWG. No: | A-207 |

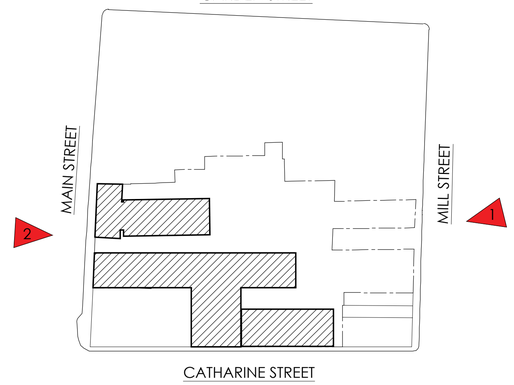



1. VIEW FROM MAIN STREET



2.VIEW FROM MAIN STREET AND CATHARINE STREET

VIEW KEY




PROJECT:

# WALLACE CAMPUS

331 MAIN STREET
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NY

OWNER:
WALLACE CAMPUS MANAGER LLC
48-02 25TH AVENUE, SUITE 400
ASTORIA, NY 11103

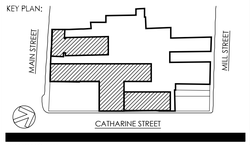
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TEL: (845) 243-2880
FAX: (845) 265-8175

| No: | Date: | Distibution: |
|---|---|---|
| 1 | 6/5/2020 | REVISED PER CITY COMMENTS |
| 2 | 7/10/2020 | PLANNING BOARD RE-SUBMISSION |
| 3 | 10/30/2020 | PLANNING BOARD RE-SUBMISSION |
| 4 | 12/8/2020 | PLANNING BOARD RE-SUBMISSION |
| 5 | 3/5/2021 | PLANNING BOARD RE-SUBMISSION |
| 6 | 9/28/2021 | PLANNING BOARD RE-SUBMISSION |

DOB NUMBER:

KEY PLAN:




DRAWING TITLE:

## RENDERINGS

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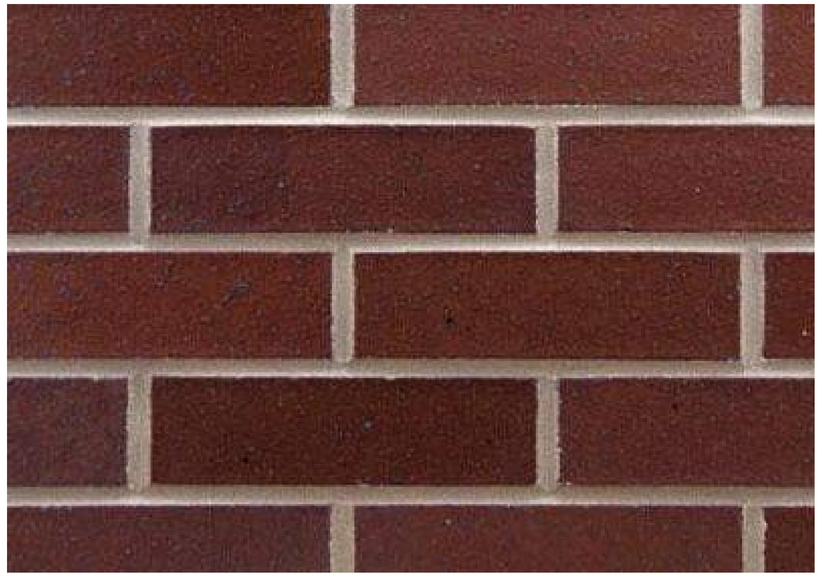
REGISTERED ARCHITECT
SAKY YAKAS
No. 018047
STATE OF NEW YORK

| | |
|---|---|
| PROJECT No: | 2020-30 |
| DRAWN BY: | AA, LB |
| CHECKD BY: | SY |
| DWG. No: | A-208 |

NOTE: SEE PHYSICAL SAMPLES SUBMITTED TO PLANNING BOARD



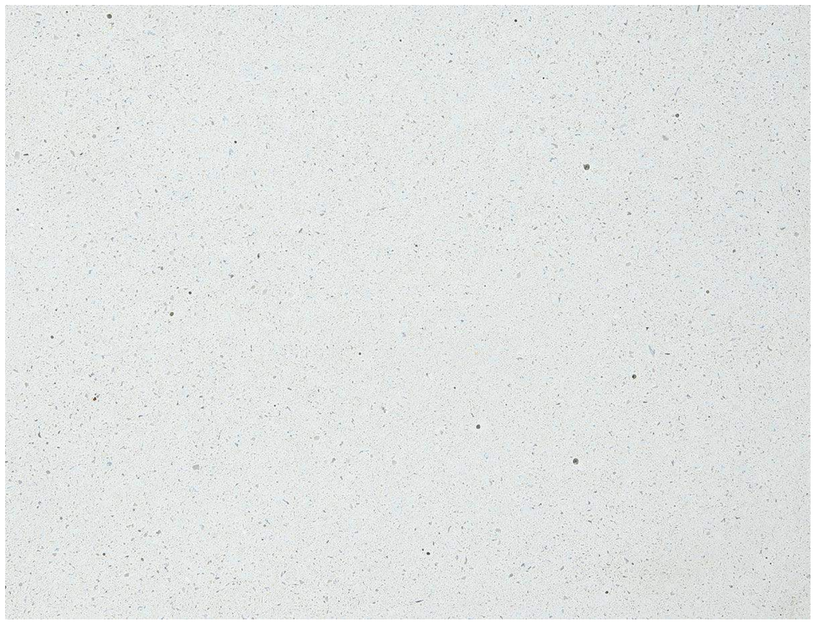
ALUMINUM



BRICK



PRECAST ACCENT



PRECAST

PROJECT:

**WALLACE CAMPUS**

331 MAIN STREET
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NY


OWNER:
WALLACE CAMPUS MANAGER LLC
48-02 25TH AVENUE, SUITE 400
ASTORIA, NY 11103

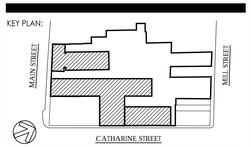
ARCHITECT:
SLCE*Architects*
1359 BROADWAY
NEW YORK, NEW YORK 10018
TEL: (212) 979-8400
FAX: (212) 979-8387

LANDSCAPE / CIVIL
THE LRC GROUP
85 CIVIC CENTER PLAZA, SUITE 103
POUGHKEEPSIE, NY 12601
TEL: (845) 243-2880
FAX: (845) 265-8175


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| 4 | 1/5/2024 | PLANNING BOARD RE-SUBMISSION |
| 6 | 9/28/2021 | PLANNING BOARD RE-SUBMISSION |

DOB NUMBER:

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## MAIN STREET: MATERIAL SELECTIONS

SEAL / SIGNATURE:

REGISTERED ARCHITECT
SAKY YAKAS
No. 018047
STATE OF NEW YORK

PROJECT No: 2020-30
DRAWN BY: AA, LB
CHECK'D BY: SY
DWG. No:

A-209

NOTE: SEE PHYSICAL SAMPLES SUBMITTED TO PLANNING BOARD



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PRECAST



PRECAST



BRICK



PRECAST

PROJECT:

**WALLACE CAMPUS**

331 MAIN STREET
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NY


OWNER:

WALLACE CAMPUS MANAGER LLC

48-02 25TH AVENUE, SUITE 400
ASTORIA, NY 11103

ARCHITECT:

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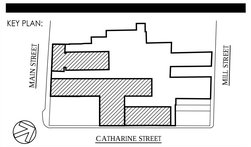
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| 6 | 9/28/2021 | PLANNING BOARD RE-SUBMISSION |

DOB NUMBER:

KEY PLAN:




DRAWING TITLE:

CATHARINE STREET:
MATERIAL SELECTIONS

SEAL / SIGNATURE:




PROJECT No: 2020-30
DRAWN BY: AA, LB
CHECK'D BY: SY
DWG. No:

A-210

## SUMMER SHADOW STUDIES: 6/21



9:00 AM



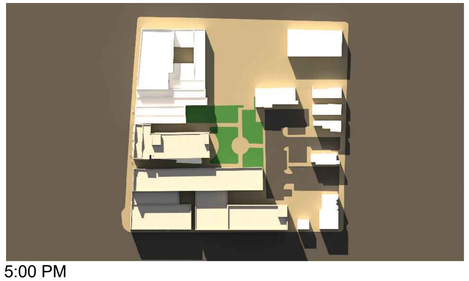
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## WINTER SHADOW STUDIES: 12/21



9:00 AM



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PROJECT:

# WALLACE CAMPUS

331 MAIN STREET
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NY


OWNER:
WALLACE CAMPUS MANAGER LLC
48-02 25TH AVENUE, SUITE 400
ASTORIA, NY 11103

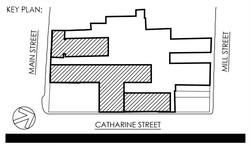
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| 6 | 9/29/2021 | PLANNING BOARD RE-SUBMISSION |

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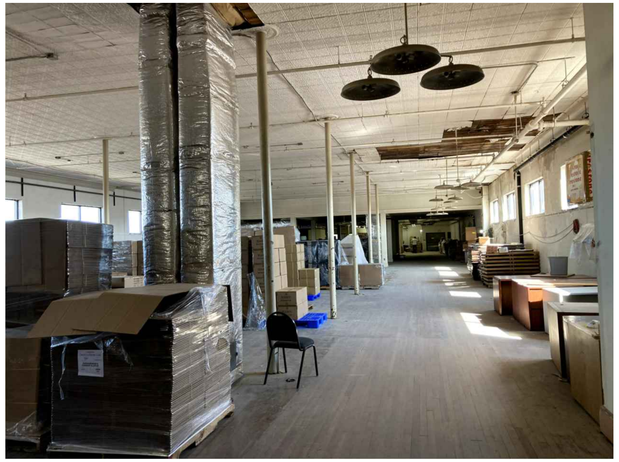

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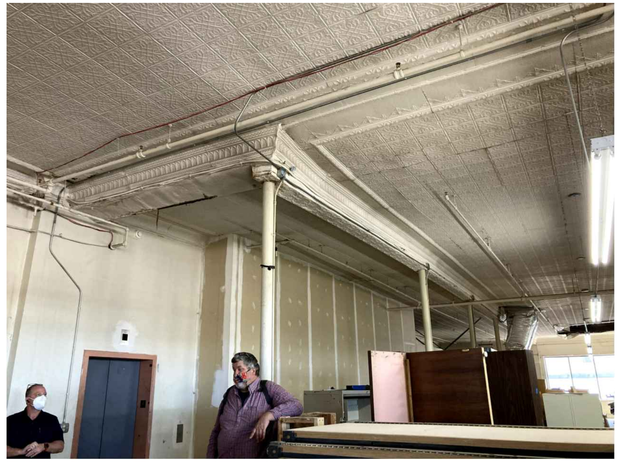
## WALLACE CAMPUS SHADOW STUDIES

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No. 018047
STATE OF NEW YORK

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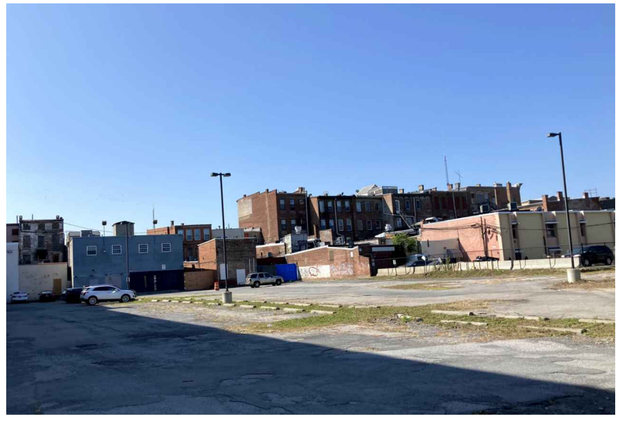










PROJECT:

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331 MAIN STREET
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NY


OWNER:

WALLACE CAMPUS MANAGER LLC

48-02 25TH AVENUE, SUITE 400
ASTORIA, NY 11103

ARCHITECT:

SLCE*Architects*

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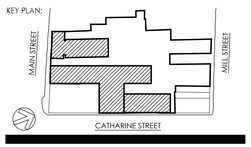
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## EXISTING WALLACE BUILDING PHOTOS

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SAKY YAKAS
No. 018047
STATE OF NEW YORK

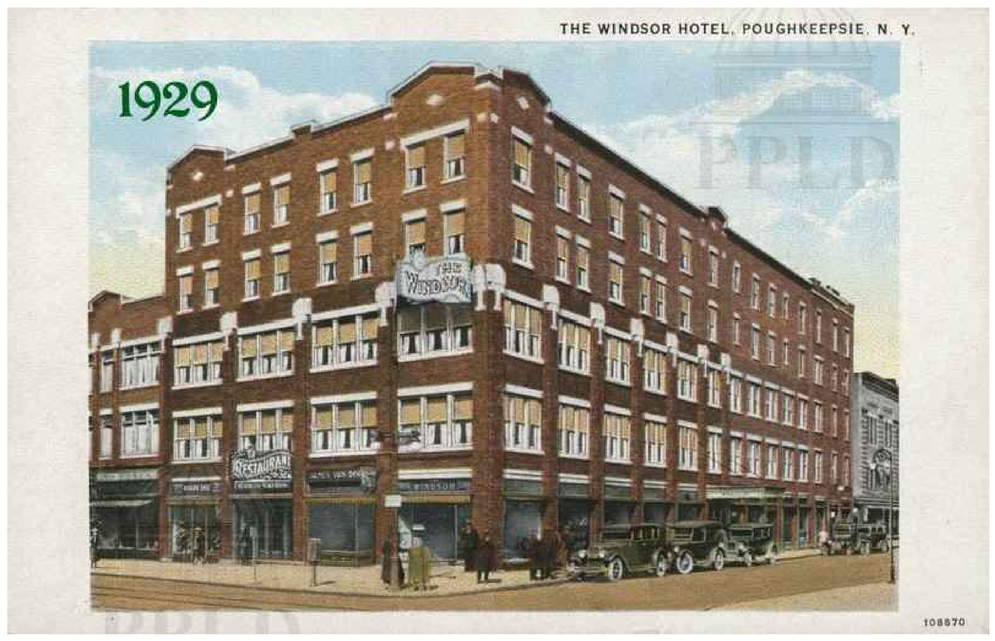
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|---|---|
| PROJECT No: | 2020-30 |
| DRAWN BY: | AA, LB |
| CHECKD BY: | SY |
| DWG. No: | |

A-212










PROJECT:

# WALLACE CAMPUS

331 MAIN STREET
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NY

OWNER:

WALLACE CAMPUS MANAGER LLC

48-02 25TH AVENUE, SUITE 400
ASTORIA, NY 11103

ARCHITECT:

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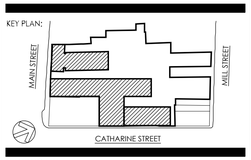
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## HISTORICAL IMAGES

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SAKY YAKAS
No. 018047
STATE OF NEW YORK

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A-213



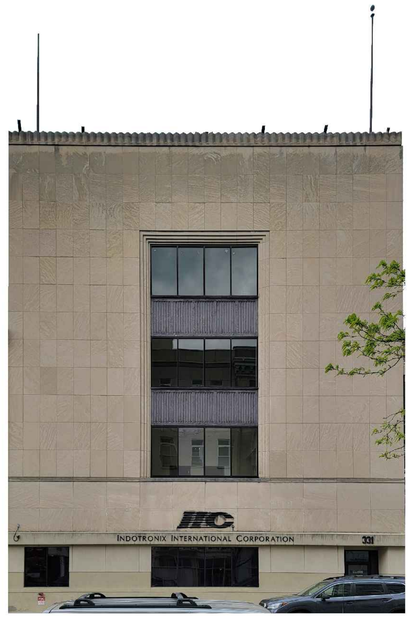

HELTING BUILDING
Height: +/- 70' @ Roof Peak




HISTORICAL ROW
Height: +/- 60 TO 64'



**MAIN STREET BUILDING**
Height : 74'




WALLACE BUILDING
Height: +/- 64'




LUCKEY PLATT
Height: +/- 92'

PROJECT:

# WALLACE CAMPUS

331 MAIN STREET
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NY

OWNER:
WALLACE CAMPUS MANAGER LLC
48-02 25TH AVENUE, SUITE 400
ASTORIA, NY 11103

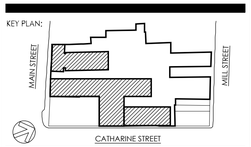
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DRAWING TITLE:

## HEIGHT COMPARISON

SEAL / SIGNATURE:

REGISTERED ARCHITECT
SAKY YAKAS
No. 016047
STATE OF NEW YORK

| | |
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| PROJECT No: | 2020-30 |
| DRAWN BY: | AA, LB |
| CHECKD BY: | SY |
| DWG. No: | |

A-214

GALLAGHER BASSETT | TECHNICAL SERVICES

# Full Environmental Assessment Form Part 1
# for

Wallace Campus
319, 325, 327-329 and 331 Main Street
City of Poughkeepsie
Dutchess County, New York




Issued: April 6, 2021

Prepared for:

Wallace Campus Manager, LLC
c/o Emanuel Kokinakis
48-02 25th Ave, Suite 400
Astoria, NY 11103

Prepared by:

Gallagher Bassett Technical Services
22 IBM Road – Suite 101
Poughkeepsie, New York 12601

NYSDEC BCP Site: C314134
GBTS File: 20-0213

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## FIGURES

1 - Site Location Map

2 - Tax Map

3 - Site Property Map

4 - Land Use Map

5 - Zoning Map

6 - Zoning Detail Map

7 - Endangered Species Map

8 - New York State Wetlands Map

9 - Federal Wetlands Map

10 - National Flood FIRMette Map

## ATTACHMENTS

A - Letter of Completeness

B - Zoning Compliance Letter

C - Poughkeepsie NRI Maps

D - Soil Survey

E - Parking and Traffic Analysis

F - Site Plans

G - Historic Inventory by Street

H - Map of Historic Districts

## Instructions for Completing Part 1

**Part 1 is to be completed by the applicant or project sponsor.** Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification.

Complete Part 1 based on information currently available. If additional research or investigation would be needed to fully respond to any item, please answer as thoroughly as possible based on current information; indicate whether missing information does not exist, or is not reasonably available to the sponsor; and, when possible, generally describe work or studies which would be necessary to update or fully develop that information.

Applicants/sponsors must complete all items in Sections A & B. In Sections C, D & E, most items contain an initial question that must be answered either "Yes" or "No". If the answer to the initial question is "Yes", complete the sub-questions that follow. If the answer to the initial question is "No", proceed to the next question. Section F allows the project sponsor to identify and attach any additional information. Section G requires the name and signature of the applicant or project sponsor to verify that the information contained in Part 1is accurate and complete.

**A. Project and Applicant/Sponsor Information.**

| | | |
|---|---|---|
| Name of Action or Project:<br>Wallace Campus | | |
| Project Location (describe, and attach a general location map):<br>319 Main Street, 325 Main Street, 327-329 Main Street, and 331 Main Street, City of Poughkeepsie | | |
| Brief Description of Proposed Action (include purpose or need):<br>See Supporting Information, attached. | | |
| Name of Applicant/Sponsor:<br>Wallace Campus Manager, LLC | Telephone: (718) 932-6342<br>E-Mail: EKokinakis@megagroup.ny | |
| Address: Mega Development, 48-02 25th Ave, Suite 400 | | |
| City/PO: New York | State: NY | Zip Code: 11103 |
| Project Contact (if not same as sponsor; give name and title/role):<br>Emanuel Kokinakis | Telephone: (718) 932-6342<br>E-Mail: EKokinakis@megagroup.ny | |
| Address:<br>Mega Development, 48-02 25th Ave, Suite 400 | | |
| City/PO:<br>New York | State:<br>NY | Zip Code:<br>11103 |
| Property Owner (if not same as sponsor):<br>Properties under site control of Wallace Campus Manger, LLC -- see Supporting Docs | Telephone:<br>E-Mail: | |
| Address: | | |
| City/PO: | State: | Zip Code: |

**B. Government Approvals**

**B. Government Approvals, Funding, or Sponsorship.** ("Funding" includes grants, loans, tax relief, and any other forms of financial assistance.)

| Government Entity | If Yes: Identify Agency and Approval(s) Required | Application Date (Actual or projected) |
|---|---|---|
| a. City Counsel, Town Board, or Village Board of Trustees ☑Yes ☐No | Common Council/IDA | TBD |
| b. City, Town or Village Planning Board or Commission ☑Yes ☐No | City of Poughkeepsie Planning Board - Site Plan Approval | Spring 2020 |
| c. City, Town or Village Zoning Board of Appeals ☑Yes ☐No | City of Poughkeepsie ZBA - possible variances | TBD |
| d. Other local agencies ☑Yes ☐No | City of Poughkeepsie Common Council; City of Pok Industrial Development Agency | TBD |
| e. County agencies ☑Yes ☐No | Referral from Planning Board and ZBA for Advisory Opinion | City PB - March 2021; ZBA - TBD |
| f. Regional agencies ☐Yes ☑No | | |
| g. State agencies ☑Yes ☐No | SHPO; DOT; DEC; DOH; HCR; HFA; Empire State Development. | Various |
| h. Federal agencies ☑Yes ☐No | NPS (Historic Tax Credits); Federal Home Loan Bank of New York | Spring 2020 |

i. Coastal Resources.

*i.* Is the project site within a Coastal Area, or the waterfront area of a Designated Inland Waterway? ☐Yes ☑No

*ii.* Is the project site located in a community with an approved Local Waterfront Revitalization Program? ☐Yes ☑No

*iii.* Is the project site within a Coastal Erosion Hazard Area? ☐Yes ☑No

**C. Planning and Zoning**

**C.1. Planning and zoning actions.**

Will administrative or legislative adoption, or amendment of a plan, local law, ordinance, rule or regulation be the only approval(s) which must be granted to enable the proposed action to proceed? ☐Yes ☑No

- **If Yes,** complete sections C, F and G.
- **If No,** proceed to question C.2 and complete all remaining sections and questions in Part 1

**C.2. Adopted land use plans.**

a. Do any municipally- adopted (city, town, village or county) comprehensive land use plan(s) include the site where the proposed action would be located? ☑Yes ☐No

If Yes, does the comprehensive plan include specific recommendations for the site where the proposed action would be located? ☐Yes ☑No

b. Is the site of the proposed action within any local or regional special planning district (for example: Greenway; Brownfield Opportunity Area (BOA); designated State or Federal heritage area; watershed management plan; or other?) ☑Yes ☐No

If Yes, identify the plan(s):

Hudson River Valley National Heritage Area; Poughkeepsie Innovation District; EnZone Type AB.

c. Is the proposed action located wholly or partially within an area listed in an adopted municipal open space plan, or an adopted municipal farmland protection plan? ☐Yes ☑No

If Yes, identify the plan(s):

**C.3. Zoning**

a. Is the site of the proposed action located in a municipality with an adopted zoning law or ordinance. ☑ Yes ☐ No
If Yes, what is the zoning classification(s) including any applicable overlay district?
PID-Historic Core and PID-Urban Village

b. Is the use permitted or allowed by a special or conditional use permit? ☑ Yes ☐ No

c. Is a zoning change requested as part of the proposed action? ☐ Yes ☑ No
If Yes,
*i.* What is the proposed new zoning for the site? _____

**C.4. Existing community services.**

a. In what school district is the project site located? City of Poughkeepsie School District

b. What police or other public protection forces serve the project site?
City of Poughkeepsie Police Department

c. Which fire protection and emergency medical services serve the project site?
City of Poughkeepsie Fire Department

d. What parks serve the project site?
The nearest park is Mansion Square Park located approximately 0.2 mile from the Site. The applicant is also proposing to create privately owned public green space on a portion of the Site.

**D. Project Details**

**D.1. Proposed and Potential Development**

a. What is the general nature of the proposed action (e.g., residential, industrial, commercial, recreational; if mixed, include all components)? Mixed-use development: residential, commercial, recreational, and community facility, including fitness center and daycare. Also pedestrian and passive open space amenities.

b. a. Total acreage of the site of the proposed action? 2.52 acres
b. Total acreage to be physically disturbed? 2.52 acres
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? 2.52 acres

c. Is the proposed action an expansion of an existing project or use? ☐ Yes ☑ No
*i.* If Yes, what is the approximate percentage of the proposed expansion and identify the units (e.g., acres, miles, housing units, square feet)? % _____ Units: _____

d. Is the proposed action a subdivision, or does it include a subdivision? ☐ Yes ☑ No
If Yes,
*i.* Purpose or type of subdivision? (e.g., residential, industrial, commercial; if mixed, specify types)
_____
*ii.* Is a cluster/conservation layout proposed? ☐ Yes ☑ No
*iii.* Number of lots proposed? _____
*iv.* Minimum and maximum proposed lot sizes? Minimum _____ Maximum _____

e. Will the proposed action be constructed in multiple phases? ☐ Yes ☑ No
*i.* If No, anticipated period of construction: 24 months
*ii.* If Yes:
- Total number of phases anticipated _____
- Anticipated commencement date of phase 1 (including demolition) _____ month _____ year
- Anticipated completion date of final phase _____ month _____year
- Generally describe connections or relationships among phases, including any contingencies where progress of one phase may determine timing or duration of future phases: _____

f. Does the project include new residential uses? ☑ Yes ☐ No

If Yes, show numbers of units proposed.

| | One Family | Two Family | Three Family | Multiple Family (four or more) |
|---|---|---|---|---|
| Initial Phase | | | | 214 Apartments |
| At completion of all phases | | | | 1 Phase only |

g. Does the proposed action include new non-residential construction (including expansions)? ☑ Yes ☐ No

If Yes,

*i.* Total number of structures 3

*ii.* Dimensions (in feet) of largest proposed structure: 74' height; 85' 11" width; and 184' 7" length

*iii.* Approximate extent of building space to be heated or cooled: 89,582 square feet

h. Does the proposed action include construction or other activities that will result in the impoundment of any liquids, such as creation of a water supply, reservoir, pond, lake, waste lagoon or other storage? ☐ Yes ☑ No

If Yes,

*i.* Purpose of the impoundment: _____

*ii.* If a water impoundment, the principal source of the water: ☐ Ground water ☐ Surface water streams ☐ Other specify:

_____

*iii.* If other than water, identify the type of impounded/contained liquids and their source.

_____

*iv.* Approximate size of the proposed impoundment. Volume: _____ million gallons; surface area: _____ acres

*v.* Dimensions of the proposed dam or impounding structure: _____ height; _____ length

*vi.* Construction method/materials for the proposed dam or impounding structure (e.g., earth fill, rock, wood, concrete):

_____

**D.2. Project Operations**

a. Does the proposed action include any excavation, mining, or dredging, during construction, operations, or both? (Not including general site preparation, grading or installation of utilities or foundations where all excavated materials will remain onsite) ☑ Yes ☐ No

If Yes:

*i* .What is the purpose of the excavation or dredging? Construction/soil remediation

*ii.* How much material (including rock, earth, sediments, etc.) is proposed to be removed from the site?

- Volume (specify tons or cubic yards): TBD
- Over what duration of time? TBD

*iii.* Describe nature and characteristics of materials to be excavated or dredged, and plans to use, manage or dispose of them.

Likely urban fill, requiring management and disposal as a non-hazardous regulated waste. Management and disposal will be governed by NYSDEC approved RAWP under BCP, including CAMP implementation.

*iv.* Will there be onsite dewatering or processing of excavated materials? ☐ Yes ☑ No

If yes, describe. _____

_____

*v.* What is the total area to be dredged or excavated? TBD acres

*vi.* What is the maximum area to be worked at any one time? TBD acres

*vii.* What would be the maximum depth of excavation or dredging? TBD feet

*viii.* Will the excavation require blasting? ☐ Yes ☑ No

*ix.* Summarize site reclamation goals and plan: _____

See attached Supporting Information. Total volume and area to be excavated will be a function of the remedy chosen for the site as determined in the NYSDEC approved RAWP. A Track 1 cleanup would require a greater volume of soil/fill to be removed from the site than a Track 2 cleanup.

b. Would the proposed action cause or result in alteration of, increase or decrease in size of, or encroachment into any existing wetland, waterbody, shoreline, beach or adjacent area? ☐ Yes ☑ No

If Yes:

*i.* Identify the wetland or waterbody which would be affected (by name, water index number, wetland map number or geographic description): _____

_____

*ii.* Describe how the proposed action would affect that waterbody or wetland, e.g. excavation, fill, placement of structures, or alteration of channels, banks and shorelines. Indicate extent of activities, alterations and additions in square feet or acres:

_____

_____

_____

_____

*iii.* Will the proposed action cause or result in disturbance to bottom sediments? ☐Yes ☐No

If Yes, describe: _____

*iv.* Will the proposed action cause or result in the destruction or removal of aquatic vegetation? ☐Yes ☐No

If Yes:

- acres of aquatic vegetation proposed to be removed: _____
- expected acreage of aquatic vegetation remaining after project completion: _____
- purpose of proposed removal (e.g. beach clearing, invasive species control, boat access): _____

_____

- proposed method of plant removal: _____
- if chemical/herbicide treatment will be used, specify product(s): _____

*v.* Describe any proposed reclamation/mitigation following disturbance: _____

_____

c. Will the proposed action use, or create a new demand for water? ☑Yes ☐No

If Yes:

*i.* Total anticipated water usage/demand per day: 29,003± gallons/day

*ii.* Will the proposed action obtain water from an existing public water supply? ☑Yes ☐No

If Yes:

- Name of district or service area: City of Poughkeepsie
- Does the existing public water supply have capacity to serve the proposal? ☑Yes ☐No
- Is the project site in the existing district? ☑Yes ☐No
- Is expansion of the district needed? ☐Yes ☑No
- Do existing lines serve the project site? ☑Yes ☐No

*iii.* Will line extension within an existing district be necessary to supply the project? ☐Yes ☑No

If Yes:

- Describe extensions or capacity expansions proposed to serve this project: _____

_____

- Source(s) of supply for the district: _____

*iv.* Is a new water supply district or service area proposed to be formed to serve the project site? ☐ Yes ☑No

If, Yes:

- Applicant/sponsor for new district: _____
- Date application submitted or anticipated: _____
- Proposed source(s) of supply for new district: _____

*v.* If a public water supply will not be used, describe plans to provide water supply for the project: _____

_____

*vi.* If water supply will be from wells (public or private), what is the maximum pumping capacity: _____ gallons/minute.

d. Will the proposed action generate liquid wastes? ☑Yes ☐No

If Yes:

*i.* Total anticipated liquid waste generation per day: 29,003± gallons/day

*ii.* Nature of liquid wastes to be generated (e.g., sanitary wastewater, industrial; if combination, describe all components and approximate volumes or proportions of each): _____

sanitary wastewater

_____

*iii.* Will the proposed action use any existing public wastewater treatment facilities? ☑Yes ☐No

If Yes:

- Name of wastewater treatment plant to be used: City of Poughkeepsie Water Pollution Control Plant
- Name of district: City of Poughkeepsie
- Does the existing wastewater treatment plant have capacity to serve the project? ☑Yes ☐No
- Is the project site in the existing district? ☑Yes ☐No
- Is expansion of the district needed? ☐Yes ☑No

- Do existing sewer lines serve the project site? ☑ Yes ☐ No
- Will a line extension within an existing district be necessary to serve the project? ☐ Yes ☑ No

If Yes:

- Describe extensions or capacity expansions proposed to serve this project: _____

*iv.* Will a new wastewater (sewage) treatment district be formed to serve the project site? ☐ Yes ☑ No

If Yes:

- Applicant/sponsor for new district: _____
- Date application submitted or anticipated: _____
- What is the receiving water for the wastewater discharge? _____

*v.* If public facilities will not be used, describe plans to provide wastewater treatment for the project, including specifying proposed receiving water (name and classification if surface discharge or describe subsurface disposal plans):

N/A

*vi.* Describe any plans or designs to capture, recycle or reuse liquid waste: _____

N/A

e. Will the proposed action disturb more than one acre and create stormwater runoff, either from new point sources (i.e. ditches, pipes, swales, curbs, gutters or other concentrated flows of stormwater) or non-point source (i.e. sheet flow) during construction or post construction? ☑ Yes ☐ No

If Yes:

*i.* How much impervious surface will the project create in relation to total size of project parcel?

_____ Square feet or 1.52 acres (impervious surface)

_____ Square feet or 2.52 acres (parcel size)

*ii.* Describe types of new point sources. No new point sources - project is decreasing the amount of impervious surface by 1 acre

*iii.* Where will the stormwater runoff be directed (i.e. on-site stormwater management facility/structures, adjacent properties, groundwater, on-site surface water or off-site surface waters)?

On-site stormwater management structures

- If to surface waters, identify receiving water bodies or wetlands: N/A
- Will stormwater runoff flow to adjacent properties? ☐ Yes ☑ No

*iv.* Does the proposed plan minimize impervious surfaces, use pervious materials or collect and re-use stormwater? ☑ Yes ☐ No

f. Does the proposed action include, or will it use on-site, one or more sources of air emissions, including fuel combustion, waste incineration, or other processes or operations? ☑ Yes ☐ No

If Yes, identify:

*i.* Mobile sources during project operations (e.g., heavy equipment, fleet or delivery vehicles)

Heavy equipment will be utilized during construction of new buildings that are components of the proposed project.

*ii.* Stationary sources during construction (e.g., power generation, structural heating, batch plant, crushers)

N/A

*iii.* Stationary sources during operations (e.g., process emissions, large boilers, electric generation)

HVAC units to provide heat and A/C for the buildings

g. Will any air emission sources named in D.2.f (above), require a NY State Air Registration, Air Facility Permit, or Federal Clean Air Act Title IV or Title V Permit? ☐ Yes ☑ No

If Yes:

*i.* Is the project site located in an Air quality non-attainment area? (Area routinely or periodically fails to meet ambient air quality standards for all or some parts of the year) ☐ Yes ☐ No

*ii.* In addition to emissions as calculated in the application, the project will generate:

- _____Tons/year (short tons) of Carbon Dioxide ($CO_2$)
- _____Tons/year (short tons) of Nitrous Oxide ($N_2O$)
- _____Tons/year (short tons) of Perfluorocarbons (PFCs)
- _____Tons/year (short tons) of Sulfur Hexafluoride ($SF_6$)
- _____Tons/year (short tons) of Carbon Dioxide equivalent of Hydroflourocarbons (HFCs)
- _____Tons/year (short tons) of Hazardous Air Pollutants (HAPs)

h. Will the proposed action generate or emit methane (including, but not limited to, sewage treatment plants, landfills, composting facilities)? ☐Yes ☑No

If Yes:

*i.* Estimate methane generation in tons/year (metric): _____

*ii.* Describe any methane capture, control or elimination measures included in project design (e.g., combustion to generate heat or electricity, flaring): _____

i. Will the proposed action result in the release of air pollutants from open-air operations or processes, such as quarry or landfill operations? ☐Yes ☑No

If Yes: Describe operations and nature of emissions (e.g., diesel exhaust, rock particulates/dust):

j. Will the proposed action result in a substantial increase in traffic above present levels or generate substantial new demand for transportation facilities or services? ☑Yes ☐No

If Yes:

*i.* When is the peak traffic expected (Check all that apply): ☑ Morning ☑ Evening ☐Weekend ☐ Randomly between hours of _____ to _____.

*ii.* For commercial activities only, projected number of truck trips/day and type (e.g., semi trailers and dump trucks): _____

*iii.* Parking spaces: Existing 121 Proposed 62 Net increase/decrease -59

*iv.* Does the proposed action include any shared use parking? ☑Yes ☐No

*v.* If the proposed action includes any modification of existing roads, creation of new roads or change in existing access, describe:

Consolidation of existing driveways with 302, 304, 306 Mill street. Four driveway connections to Mill Street.

*vi.* Are public/private transportation service(s) or facilities available within ½ mile of the proposed site? ☑Yes ☐No

*vii* Will the proposed action include access to public transportation or accommodations for use of hybrid, electric or other alternative fueled vehicles? ☑Yes ☐No

*viii.* Will the proposed action include plans for pedestrian or bicycle accommodations for connections to existing pedestrian or bicycle routes? ☑Yes ☐No

k. Will the proposed action (for commercial or industrial projects only) generate new or additional demand for energy? ☑Yes ☐No

If Yes:

*i.* Estimate annual electricity demand during operation of the proposed action: 48,700 kWh

*ii.* Anticipated sources/suppliers of electricity for the project (e.g., on-site combustion, on-site renewable, via grid/local utility, or other):

Central Hudson Gas & Electric

*iii.* Will the proposed action require a new, or an upgrade, to an existing substation? ☐Yes ☑No

l. Hours of operation. Answer all items which apply.

*i.* During Construction:

- Monday - Friday: 6:30 a.m. - 9:00 p.m.
- Saturday: N/A
- Sunday: N/A
- Holidays: N/A

*ii.* During Operations:

- Monday - Friday: 24 hours
- Saturday: 24 hours
- Sunday: 24 hours
- Holidays: TBD- reduced hours most holidays

m. Will the proposed action produce noise that will exceed existing ambient noise levels during construction, operation, or both? ☑ Yes ☐ No

If yes:

*i.* Provide details including sources, time of day and duration:

Per City of Poughkeepsie Code of Ordinances, Section 13 1/2-6, construction will be limited to the hours of 6:30 a.m. - 9:00 p.m. weekdays. Ambient noise levels will not be exceeded during operation.

*ii.* Will the proposed action remove existing natural barriers that could act as a noise barrier or screen? ☐ Yes ☑ No

Describe: _____

n. Will the proposed action have outdoor lighting? ☑ Yes ☐ No

If yes:

*i.* Describe source(s), location(s), height of fixture(s), direction/aim, and proximity to nearest occupied structures:

See Submission Set, pages LP-1 and LP-2

*ii.* Will proposed action remove existing natural barriers that could act as a light barrier or screen? ☐ Yes ☑ No

Describe: _____

o. Does the proposed action have the potential to produce odors for more than one hour per day? ☐ Yes ☑ No

If Yes, describe possible sources, potential frequency and duration of odor emissions, and proximity to nearest occupied structures: _____

p. Will the proposed action include any bulk storage of petroleum (combined capacity of over 1,100 gallons) or chemical products 185 gallons in above ground storage or any amount in underground storage? ☐ Yes ☑ No

If Yes:

*i.* Product(s) to be stored _____

*ii.* Volume(s) _____ per unit time _____ (e.g., month, year)

*iii.* Generally, describe the proposed storage facilities:_____

q. Will the proposed action (commercial, industrial and recreational projects only) use pesticides (i.e., herbicides, insecticides) during construction or operation? ☐ Yes ☑ No

If Yes:

*i.* Describe proposed treatment(s):

*ii.* Will the proposed action use Integrated Pest Management Practices? ☐ Yes ☐ No

r. Will the proposed action (commercial or industrial projects only) involve or require the management or disposal of solid waste (excluding hazardous materials)? ☐ Yes ☑ No

If Yes:

*i.* Describe any solid waste(s) to be generated during construction or operation of the facility:

- Construction: _____ tons per _____ (unit of time)
- Operation : _____ tons per _____ (unit of time)

*ii.* Describe any proposals for on-site minimization, recycling or reuse of materials to avoid disposal as solid waste:

- Construction: _____
- Operation: _____

*iii.* Proposed disposal methods/facilities for solid waste generated on-site:

- Construction: _____
- Operation: _____

s. Does the proposed action include construction or modification of a solid waste management facility? ☐ Yes ☑ No

If Yes:

*i.* Type of management or handling of waste proposed for the site (e.g., recycling or transfer station, composting, landfill, or other disposal activities): _____

*ii.* Anticipated rate of disposal/processing:

- _____ Tons/month, if transfer or other non-combustion/thermal treatment, or
- _____ Tons/hour, if combustion or thermal treatment

*iii.* If landfill, anticipated site life: _____ years

t. Will the proposed action at the site involve the commercial generation, treatment, storage, or disposal of hazardous waste? ☐ Yes ☑ No

If Yes:

*i.* Name(s) of all hazardous wastes or constituents to be generated, handled or managed at facility: _____

*ii.* Generally describe processes or activities involving hazardous wastes or constituents: _____

*iii.* Specify amount to be handled or generated _____ tons/month

*iv.* Describe any proposals for on-site minimization, recycling or reuse of hazardous constituents: _____

*v.* Will any hazardous wastes be disposed at an existing offsite hazardous waste facility? ☐ Yes ☑ No

If Yes: provide name and location of facility: _____

If No: describe proposed management of any hazardous wastes which will not be sent to a hazardous waste facility:

Unlikely to present - waste characterization sampling performed prior to site remediation under the BCP will identify any such materials, which, if present, will be managed and disposed of per the RAWP.

## E. Site and Setting of Proposed Action

### E.1. Land uses on and surrounding the project site

a. Existing land uses.

*i.* Check all uses that occur on, adjoining and near the project site.

☑ Urban ☐ Industrial ☑ Commercial ☐ Residential (suburban) ☐ Rural (non-farm)
☐ Forest ☐ Agriculture ☐ Aquatic ☑ Other (specify): construction

*ii.* If mix of uses, generally describe:

The property is located in an urban setting, with most properties developed for mixed-use (commercial/residential) and commercial uses. Uses at adjoining properties include an active construction site across Catharine Street, & buildings used for commercial and mixed commercial/residential uses

b. Land uses and covertypes on the project site.

| Land use or Covertype | Current Acreage | Acreage After Project Completion | Change (Acres +/-) |
|---|---|---|---|
| • Roads, buildings, and other paved or impervious surfaces | 2.52 | 1.52 | -1 |
| • Forested | 0 | 0 | 0 |
| • Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural) | 0 | 0 | 0 |
| • Agricultural (includes active orchards, field, greenhouse etc.) | 0 | 0 | 0 |
| • Surface water features (lakes, ponds, streams, rivers, etc.) | 0 | 0 | 0 |
| • Wetlands (freshwater or tidal) | 0 | 0 | 0 |
| • Non-vegetated (bare rock, earth or fill) | 0 | 0 | 0 |
| • Other Describe: Wallace Green - maintained lawn | 0 | 1 | +1 |

c. Is the project site presently used by members of the community for public recreation? ☐ Yes ☑ No

*i.* If Yes: explain: _____

d. Are there any facilities serving children, the elderly, people with disabilities (e.g., schools, hospitals, licensed day care centers, or group homes) within 1500 feet of the project site? ☑ Yes ☐ No

If Yes,

*i.* Identify Facilities:

More Young Children Magnet Elementary School, Clinton Elementary School, Hudson River Healthcare Inc., Community Family Development, Humble Life Family Daycare

e. Does the project site contain an existing dam? ☐ Yes ☑ No

If Yes:

*i.* Dimensions of the dam and impoundment:

- Dam height: _____ feet
- Dam length: _____ feet
- Surface area: _____ acres
- Volume impounded: _____ gallons OR acre-feet

*ii.* Dam's existing hazard classification: _____

*iii.* Provide date and summarize results of last inspection:

_____

_____

f. Has the project site ever been used as a municipal, commercial or industrial solid waste management facility, or does the project site adjoin property which is now, or was at one time, used as a solid waste management facility? ☐ Yes ☑ No

If Yes:

*i.* Has the facility been formally closed? ☐ Yes ☐ No

- If yes, cite sources/documentation: _____

*ii.* Describe the location of the project site relative to the boundaries of the solid waste management facility:

_____

_____

*iii.* Describe any development constraints due to the prior solid waste activities: _____

_____

g. Have hazardous wastes been generated, treated and/or disposed of at the site, or does the project site adjoin property which is now or was at one time used to commercially treat, store and/or dispose of hazardous waste? ☑ Yes ☐ No

If Yes:

*i.* Describe waste(s) handled and waste management activities, including approximate time when activities occurred:

The site was used for activities including automotive repair, machining operations, furniture finishing, laundry activities (potentially involving use of chlorinated solvents), and use of gasoline underground storage tanks (USTs). Site will be characterized and remediated under the BCP.

h. Potential contamination history. Has there been a reported spill at the proposed project site, or have any remedial actions been conducted at or adjacent to the proposed site? ☑ Yes ☐ No

If Yes:

*i.* Is any portion of the site listed on the NYSDEC Spills Incidents database or Environmental Site Remediation database? Check all that apply: ☑ Yes ☐ No

☐ Yes – Spills Incidents database — Provide DEC ID number(s): _____

☑ Yes – Environmental Site Remediation database — Provide DEC ID number(s): BCP C314134

☐ Neither database

*ii.* If site has been subject of RCRA corrective activities, describe control measures: _____

N/A

*iii.* Is the project within 2000 feet of any site in the NYSDEC Environmental Site Remediation database? ☑ Yes ☐ No

If yes, provide DEC ID number(s): B001483, E314110, C314130

*iv.* If yes to (i), (ii) or (iii) above, describe current status of site(s):

B001483 - remediation completed, ongoing maintenance required, engineering controls on-site
E314110 - ERP App submitted and withdrawn, non-registry site
C314130 - Crannell Square, under construction, likely Track 1 cleanup under BCP

*v.* Is the project site subject to an institutional control limiting property uses? ☐ Yes ☑ No

- If yes, DEC site ID number: _____
- Describe the type of institutional control (e.g., deed restriction or easement): _____
- Describe any use limitations: _____
- Describe any engineering controls: _____
- Will the project affect the institutional or engineering controls in place? ☐ Yes ☐ No
- Explain: _____

If the project fails to achieve Track 1 Cleanup under BCP, institutional and/or engineering controls may be imposed on the site as part of the remedy. Based on data available to date, the site will achieve Track 1, supporting the conclusion that such controls will be unnecessary.

**E.2. Natural Resources On or Near Project Site**

a. What is the average depth to bedrock on the project site? 41 feet - 62 feet feet

b. Are there bedrock outcroppings on the project site? ☐ Yes ☑ No
If Yes, what proportion of the site is comprised of bedrock outcroppings? _____%

c. Predominant soil type(s) present on project site:

| | |
|---|---|
| Urban Land Soils | 100 % |
| | % |
| | % |

d. What is the average depth to the water table on the project site? Average: 15 feet

e. Drainage status of project site soils:

| | | |
|---|---|---|
| ☑ | Well Drained: | 100 % of site |
| ☐ | Moderately Well Drained: | % of site |
| ☐ | Poorly Drained | % of site |

f. Approximate proportion of proposed action site with slopes:

| | | |
|---|---|---|
| ☑ | 0-10%: | 100 % of site |
| ☐ | 10-15%: | % of site |
| ☐ | 15% or greater: | % of site |

g. Are there any unique geologic features on the project site? ☐ Yes ☑ No
If Yes, describe: _____

h. Surface water features.

*i.* Does any portion of the project site contain wetlands or other waterbodies (including streams, rivers, ponds or lakes)? ☐ Yes ☑ No

*ii.* Do any wetlands or other waterbodies adjoin the project site? ☐ Yes ☑ No

If Yes to either *i* or *ii*, continue. If No, skip to E.2.i.

*iii.* Are any of the wetlands or waterbodies within or adjoining the project site regulated by any federal, state or local agency? ☐ Yes ☐ No

*iv.* For each identified regulated wetland and waterbody on the project site, provide the following information:

- Streams: Name _____ Classification _____
- Lakes or Ponds: Name _____ Classification _____
- Wetlands: Name _____ Approximate Size _____
- Wetland No. (if regulated by DEC) _____

*v.* Are any of the above water bodies listed in the most recent compilation of NYS water quality-impaired waterbodies? ☐ Yes ☐ No

If yes, name of impaired water body/bodies and basis for listing as impaired: _____

i. Is the project site in a designated Floodway? ☐ Yes ☑ No

j. Is the project site in the 100-year Floodplain? ☐ Yes ☑ No

k. Is the project site in the 500-year Floodplain? ☐ Yes ☑ No

l. Is the project site located over, or immediately adjoining, a primary, principal or sole source aquifer? ☐ Yes ☑ No
If Yes:

*i.* Name of aquifer: _____

m. Identify the predominant wildlife species that occupy or use the project site:

typical urban wildlife

n. Does the project site contain a designated significant natural community? ☐ Yes ☑ No

If Yes:

*i.* Describe the habitat/community (composition, function, and basis for designation):

*ii.* Source(s) of description or evaluation:

*iii.* Extent of community/habitat:

- Currently: _____ acres
- Following completion of project as proposed: _____ acres
- Gain or loss (indicate + or -): _____ acres

o. Does project site contain any species of plant or animal that is listed by the federal government or NYS as endangered or threatened, or does it contain any areas identified as habitat for an endangered or threatened species? ☐ Yes ☑ No

If Yes:

*i.* Species and listing (endangered or threatened):

p. Does the project site contain any species of plant or animal that is listed by NYS as rare, or as a species of special concern? ☐ Yes ☑ No

If Yes:

*i.* Species and listing:

q. Is the project site or adjoining area currently used for hunting, trapping, fishing or shell fishing? ☐ Yes ☑ No

If yes, give a brief description of how the proposed action may affect that use:

**E.3. Designated Public Resources On or Near Project Site**

a. Is the project site, or any portion of it, located in a designated agricultural district certified pursuant to Agriculture and Markets Law, Article 25-AA, Section 303 and 304? ☐ Yes ☑ No

If Yes, provide county plus district name/number:

b. Are agricultural lands consisting of highly productive soils present? ☐ Yes ☑ No

*i.* If Yes: acreage(s) on project site?

*ii.* Source(s) of soil rating(s):

c. Does the project site contain all or part of, or is it substantially contiguous to, a registered National Natural Landmark? ☐ Yes ☑ No

If Yes:

*i.* Nature of the natural landmark: ☐ Biological Community ☐ Geological Feature

*ii.* Provide brief description of landmark, including values behind designation and approximate size/extent:

d. Is the project site located in or does it adjoin a state listed Critical Environmental Area? ☐ Yes ☑ No

If Yes:

*i.* CEA name:

*ii.* Basis for designation:

*iii.* Designating agency and date:

e. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district which is listed on the National or State Register of Historic Places, or that has been determined by the Commissioner of the NYS Office of Parks, Recreation and Historic Preservation to be eligible for listing on the State Register of Historic Places? ☑ Yes ☐ No

If Yes:

*i.* Nature of historic/archaeological resource: ☐ Archaeological Site ☑ Historic Building or District

*ii.* Name: Portions of Site are located in the Upper Mill Street Historic District and adjoining properties are listed (see Attachments G & H)

*iii.* Brief description of attributes on which listing is based:

Age and past uses (see Supporting Information)

f. Is the project site, or any portion of it, located in or adjacent to an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory? ☑ Yes ☐ No

g. Have additional archaeological or historic site(s) or resources been identified on the project site? ☐ Yes ☑ No

If Yes:

*i.* Describe possible resource(s): _____

*ii.* Basis for identification: _____

h. Is the project site within fives miles of any officially designated and publicly accessible federal, state, or local scenic or aesthetic resource? ☑ Yes ☐ No

If Yes:

*i.* Identify resource: Walkway over the Hudson, FDR, Springside, College Hill, Kaal Rock, Victor C. Waryas, Eastman, Pulaski, Dongan, Wheaton

*ii.* Nature of, or basis for, designation (e.g., established highway overlook, state or local park, state historic trail or scenic byway, etc.): State/local parks, State historic trail (walkway only)

*iii.* Distance between project and resource: between 0.2 to 5 miles.

i. Is the project site located within a designated river corridor under the Wild, Scenic and Recreational Rivers Program 6 NYCRR 666? ☐ Yes ☑ No

If Yes:

*i.* Identify the name of the river and its designation: _____

*ii.* Is the activity consistent with development restrictions contained in 6NYCRR Part 666? ☐ Yes ☐ No

**F. Additional Information**

Attach any additional information which may be needed to clarify your project.

If you have identified any adverse impacts which could be associated with your proposal, please describe those impacts plus any measures which you propose to avoid or minimize them.

**G. Verification**

I certify that the information provided is true to the best of my knowledge.

Applicant/Sponsor Name Wallace Campus Managers, LLC Date _____

Signature _____ Title _____

PRINT FORM

# 1.0 INTRODUCTION

## 1.1. Project Summary

The Project Site consists of the entirety of the contiguous parcels known as 319 Main Street (Block 77, Lot 114098); 325 Main Street (Block 77, Lot 109079); 327-329 Main Street (Block 7, Lot 109077); and 331 Main Street (Block 78, Lot 127091), City of Poughkeepsie, New York (see Figures 1-2). The Applicant, Wallace Campus Manager, LLC, is proposing the renovation of the existing building at 331 Main Street and the construction of two new, mixed-use residential and commercial buildings. The Project will include 214 new dwelling units, on-site parking for vehicles, facilities for bike parking and circulation, and a sidewalk/footpath system throughout the campus. The portion of the Project involving new construction on Main Street, which is within the Historic Core (HC) sub-district of the Poughkeepsie Innovation District (PID), will require an area variance from the Zoning Board of Appeals for the two additional stories in excess of five stories in height. The parcel at 325 Main Street is owned by Wallace Campus Manager, LLC. All other parcels are in contract to be purchased by the Applicant. However, access to the non-owned parcels has been granted by the current owners.

## 1.2. Site Description and Project Details

The Site is a 2.52-acre commercial property, which is abutted by Mill Street to the north and Main Street to the South (see Figure 3). The southern portion of 319 Main Street currently contains a two-story building (former restaurant and club). The 325 and 327-329 Main Street lots each contain a four-story building with rear two-story sections (former bookstore and residence, and active office building, respectively), and the southern/central portions of 331 Main Street contain a four-story building with a three-story section to the east, utilized for offices and light manufacturing. The remaining northern portions of 319 and 331 Main Street contain paved parking areas, walkways, and yards. The development proposal includes 214 units of mixed-income rental housing, 6,416 square feet of new retail spaces along the Main Street pedestrian frontage, and 39,197 square feet of community service facilities along the Catharine Street frontage, including a community recreation facility with climbing wall in the Wallace annex building and a community day-care facility on the ground floor of the new Catharine Street building. New construction will only take place in areas where there has been previous ground disturbance and the development will not directly impact wetlands or the Fall Kill Creek (located approximately 650 feet northeast of the property). The buildings will occupy approximately 1.1 acre and the “Wallace Green,” an area of landscaped green space in a park-like setting, will occupy approximately 1-acre of the 2.52-acre property. The remaining space will be used for parking and additional open space.

## 1.3. Anticipated Funding/Permits/Approvals

Table 1 provides a list of the funding/approvals/permits that are anticipated for the project.

| AGENCY | FUNDING/APPROVAL/PERMIT |
|---|---|
| City of Poughkeepsie Planning Board | Site Plan Approval |
| City of Poughkeepsie Zoning Board of Appeals | Possible Variances |
| City of Poughkeepsie Common Council | Possible PILOT |
| City of Poughkeepsie Industrial Development Agency | Possible Sales Tax relief |
| Dutchess County Department of Health | Water and Sewer Connections |
| Dutchess County Department of Planning and Development | GML 239m referral |
| New York's State Historic Preservation Office | Listing Wallace Campus Building on State and National Registers of Historic Places; Historic Tax Credits |
| New York State Department of Transportation | Highway Work Permit; Driveways |
| New York State Department of Environmental Conservation | BCA; BCP Tax Credit; SPDES GP-0-20-001 |
| New York State Housing and Community Renewal | Site Alteration Letter; Low-Income Tax Credit |
| New York State Empire State Development | Potential Funding Source |
| Federal Home Loan Bank of New York | Potential Funding Source |
| National Park Service | Historic Tax Credits |

## 2.0 SITE CONDITIONS

The project site, first developed prior to 1887, has primarily been used for commercial purposes with some limited historical residential use. The most significant commercial uses, including automotive repair, machining operations, furniture finishing, laundry activities (potentially involving use of chlorinated solvents), and use of gasoline underground storage tanks (USTs) occurred at the eastern portion of the site near Catherine Street.

### 2.1. Early Investigations 2005 to 2013

GBTS reviewed the following environmental reports, prepared for portions of the property:

- Phase I ESA of 327-329 Main Street, John R. Bien, P.E., December 2005;
- Phase I ESA of 331 Main Street, Ecosystems Strategies, Inc., June 2013; and,
- Limited Phase II Subsurface Investigation for 331 Main Street (Lot D, "Phase II SSI"), Greenstar Environmental Solutions, LLC, August 2013.

No notable environmental conditions were identified at the 327-329 Main Street parcel; at the 331 Main Street parcel, however, former automotive repair activities and a historical gasoline underground storage tank (UST) were identified as Recognized Environmental Conditions. According to a conversation with an employee for the City of Poughkeepsie Fire Department, an "unofficial notation in a log book" indicated that Lot D had two, 1,000-gallon tanks removed on June 15, 1979 (location unknown).

The Limited Phase II SSI was conducted on the northeastern portion of 331 Main Street along Catharine Street. Fieldwork included a ground penetrating radar survey, advancement of six soil borings in the vicinity of the former automotive repair facility (SB-01 and SB-02) and the suspect UST (SB-03 through SB-06), and collection of groundwater samples from two borings (SB-04 and SB-06) converted to temporary monitoring wells.

The GPR survey did not indicate the presence of any USTs. No field evidence of petroleum contamination was encountered at any boring location, and laboratory analysis of three soil samples (SB-02, SB-04, and SB-06) did not document the presence of any volatile organic compounds (VOCs) or semi-volatile organic compounds (SVOCs). Low levels of lead were detected in two groundwater samples; however, the report notes that the lead detection was likely due to suspended soil particles. No VOCs or significant levels of SVOCs were detected in groundwater.

## 2.2. Recent Investigations: 2020

Recent investigations include the following:

- Geotechnical report for Wallace Campus Buildings ("Geotech Report"), Daniel G. Loucks, P.E. Geotechnical Engineering, September 8, 2020; and,
- Phase II ESA for the Wallace Campus, GBTS, October 2020.

The Geotech Report documents subsurface site conditions on several portions of the property. Subsurface soils throughout the site are generally comprised of an upper layer of fill extending from between 1 and 7 feet bsg. A sandy-gravelly layer underlies the fill layer to depths ranging between 17 to 23 feet bsg, which is underlain by a layer of dense silty clayey soils to depths ranging between 23 to 51 feet bsg. Weathered shale bedrock is reported to be at depths ranging between 41 to 62 feet bsg.

Soils at multiple locations throughout the Site, in an interval ranging from approximately 1 to 7 feet below the parking lot surface, are impacted by PAHs and metals (mercury and lead) above Restricted Residential Use Soil Cleanup Objectives (RRU SCOs). No significant levels of VOCs, SVOCs, pesticides or PCBs were found in soil samples collected for general screening purposes, and no significant levels of

VOCs were found in soil vapor or in groundwater samples, suggesting that on-site contamination is limited to PAHs and metals impacts in soils. The source of this PAH and metal contamination is unknown, but may be related to historical commercial uses, impacts from building demolition, or the placement of fill materials.

Existing soil vapor data are limited in areas of proposed building footprints. Due to the urban nature of the Site, additional soil vapor investigation is warranted to determine whether soil vapor intrusion poses a risk to future building occupants.

## 2.3. Current Regulatory Status

A Brownfield Cleanup Program (BCP) Application and a Remedial Investigation Work Plan (RIWP) were submitted for the site to NYSDEC on January 28, 2021 and a Letter of Completeness was issued on February 16, 2021 (see Attachment A). The Application is in Public Comment, which will conclude on March 26, 2021. Shortly thereafter, Wallace Campus Manager LLC will execute a Brownfield Cleanup Agreement (BCA) with the State and the SIWP will be approved. Once the BCA is executed, the fieldwork required to completely delineate the site to the BCP standard will be performed. It is anticipated that a RIR and RAWP will be submitted to the NYSDEC mid- May 2021 and NYSDEC could potentially issue the Decision Document for the site in July 2021. Based on currently available data, it is anticipated that the site will be cleaned up to Track 1 standards.

# 3.0 LAND USE, ZONING, AND PUBLIC POLICY

## 3.1. Land Use and Zoning

The project site was first developed prior to 1887 and has included commercial and some limited residential use although its recent history has, like other parts of downtown Poughkeepsie, been of underutilizion and vacancy. In 2019 the Poughkeepsie Innovation District (PID) rezoning was undertaken by the City to put in place a framework to encourage and govern future development of the core commercial section of the city's downtown into an economic center anchored by increased residential population and a creative economy. Located in the central northern portion of the PID, the project site is zoned PID-Historic Core and PID-Urban Village.

The proposed Wallace Campus Project would be a significant moment in the ongoing realization of the City's vision as expressed in the PID rezoning and would include: restoring an area with large expanses of underutilized space; restoring the architectural street wall integrity on Catherine Street; creating Wallace Green, a dynamic open space available for public use; creating a pedestrian connection mid-block between Main Street and Mill Street; providing buildings that are of excellent architectural design; and, providing mixed use development on Main Street, including ground floor retail. In order to realize the project as such, and provide the increased height and density encouraged by the PID, several height variances are being requested:

- A height variance to allow the Catharine Street building to be 6 stories tall, where 5 stories is allowed.

- A height variance relating to a portion of the Main Street Building within the PID-HC subdistrict to allow that portion of the building to be 7 stories tall, where 5 stories is permitted. The variance includes a total of 4,578 SF in total, constituting 5.8% of the building area.

- A height variance relating to a portion of the Main Street Building within the PID-UV subdistrict to allow that portion of the building to be 7 stories tall, where 6 stories is permitted. The variance includes an area totalling 7,240 SF, or 9.28% of the building SF.

Further information regarding zoning can be found in Attachment B.

## 3.2. Public Policy

*City of Poughkeepsie Comprehensive Plan, 1998*

The City updated its Comprehensive Plan in 1998 with a focus on three areas: Main Street, the Cottage Street Business District, and the Waterfront. These areas were identified as being critically important to the City's future growth. Other areas of interest updated in the Plan included neighborhood planning issues, the City's Zoning Code, and recreational resources. The Plan outlines the following goals:

- Goal #1: A Traditional Downtown and Main Street;
- Goal #2: Neighborhoods with a Strong Sense of Community;
- Goal #3: A Vibrant Waterfront for Commerce and Recreation;
- Goal #4: Increased Employment Opportunities;
- Goal #5: User-Friendly Transportation Systems;
- Goal #6: A Regional Center for Commerce, Medicine, and Government; and
- Goal #7: The Creation of New Economic Opportunities

The Plan states with regard to Goal #2 that, "City government can play a strong role in making the City a safe, healthy place to live. Policies and decisions on zoning issues that define and protect neighborhood character, and capital investment in parks, sidewalks, and streets, should be in keeping with this goal."

Wallace Campus adheres to this goal by providing outdoor amenity spaces to benefit residents and the public. A public pedestrian walkway will provide new connectivity between Main Street and Mill Street, beginning at a new Promenade entrance between the Wallace and Main Street buildings, and proceeding through the campus to Mill Street, near the intersection with Conklin. The new pedestrian walkway also provides access to an inviting central Green ("Wallace Green") that provides landscaping, play areas, a garden, tiered seating gathering area, and internal pedestrian access between the new buildings and the landscaped internal parking area. Vehicular access to the site is provided through consolidation of existing entrances from Mill Street. Through agreements with adjoining lots fronting on Mill Street (302, 304, 306 and 310 Mill Street), the Project will eliminate two existing curb cuts on Mill Street, provide additional Green space around and between existing buildings fronting on Mill Street, in

addition to enhancing the pedestrian use of Mill Street via the new Wallace Green walkway between Main and Mill Streets. Additionally Goal #2 states that "the City should also support renovation and reuse of vacant buildings, and removal and replacement of dilapidated structures." Wallace Campus supports this goal by renovating and repurposing the long dormant Wallace Campus Department Store and by replacing the old buildings west of the Wallace Campus Department Store with a new 89,582 SF building.

Goal #4 states that "the City should maintain a wide variety of employment opportunities for its residents and for workers living outside the City." The proposed project will provide new retail spaces (6,416 sf) along the Main Street pedestrian frontage, which will create new employment opportunities for residents and workers living outside the City. The proposed action is therefore consistent.

*Dutchess County Hudson River Valley Greenway Compact Plan, 2000*

Dutchess County is one of 13 counties that make up the Hudson River Valley Greenway, which was established by the State by the Hudson River Valley Greenway Act of 1991. In March 2000, the Hudson River Valley Greenway Council approved the Dutchess County Greenway Compact Plan, "Greenway Connections: Greenway Compact Program and Guides for Dutchess County Communities." The Greenway was created to facilitate the development of a voluntary regional strategy for preserving scenic, natural, historic, cultural, and recreational resources while encouraging compatible economic development and maintaining the tradition of home rule for land use decision-making. By Local Law Number 1 of 2002, the City became a participating community in the Greenway Compact, and adopted a statement of land use policies, principles and guides entitled, "Greenway Connections: Greenway Compact Program and Guides for Dutchess County Communities." The City requires that consideration of the Greenway Compact Plan policies, principles, and guides be used to supplement other established land use policies in the City where discretionary decisions are made. The proposed development is anticipated to adhere to the purpose of the plan, as it will provide multifamily housing within a site design that encourages conservation of natural and historic resources. Therefore, the proposed action is consistent.

## 4.0 COMMUNITY SERVICES

### 4.1. Emergency Services

Fire emergency/ambulance service is provided by the City of Poughkeepsie. According to the City website, the Fire Department is a 64-man career-staffed department that protects 31,000 people living in an area of 4.78 square miles. It operates three fire stations that respond to almost 5,000 calls per year. The City's apparatus includes four engines, two ladder trucks, one rescue vehicle, and a fire/rescue boat. Water for fire protection is obtained from the City of Poughkeepsie water supply. A truck turning radius plan will be submitted during the site plan review. It is anticipated that there is sufficient firefighting capability to meet the minimal increase in demand related to the proposed 214 new residential units. The City of Poughkeepsie Police Department, with support from Dutchess County Sheriff's Department and NYS Police, provides police protection.

# 5.0 NATURAL RESOURCES

## 5.1. Soils

Soils in the vicinity of the subject property are likely to be derived from glacial till deposits, which overlie greywacke and shale bedrock (see Attachment C). According to the Natural Resources Conservation Service and information contained in the Dutchess County Soil Survey, soils at the project site consist entirely of Urban Land Soils (see Attachment D). The Urban Land designation identifies areas where at least 80% of the surface is covered by buildings, parking areas or other impervious structures, and specific soil and bedrock characteristics are generally not well known. The presence of on-site structures suggests that soils located on the property may have been altered by cutting, regrading, and/or filling activities.

Previous site investigations conducted at eastern-central portion of 331 Main Street documented soils consisting of a mixture of sand, silt, and silty clay. Bedrock was not encountered during the advancement of soil borings to a maximum depth of 20 feet below surface grade (bsg). Depth to bedrock is not reported for Urban Land soils and bedrock outcrops were not observed on the property. Shallow groundwater flow in the vicinity of the property is likely to generally follow surficial topography and be toward the Fall Kill Creek. Groundwater was encountered at approximately 15 feet bsg during previous investigations at 331 Main Street.

## 5.2. Habitats

According to the NYSDEC Environmental Resource Mapper and the Poughkeepsie National Resource Inventory (see Figure 7 and Attachment C), there is no known occurrence of endangered, threatened, or rare species on or in the immediate vicinity of the project site.

## 5.3. Water Resources

According to the Poughkeepsie NRI (Attachment C), there is a NYSDEC Class C stream, Fall Kill Creek (Regulation 862-393) located approximately 650 feet northeast of the Project Site. Class C streams are not regulated by the NYSDEC. No waterbodies or wet areas were observed within the boundaries of the Project Site or in the immediate vicinity during previous site inspections. Federal and state mapping data do not identify any other classified surface waterbodies, wet areas, or regulated wetlands on or in the immediate vicinity of the property (Figures 8-9).

## 5.4. Floodplain

According to the Poughkeepsie NRI Water Resources Map (Attachment C), the Project Site and the area immediately surrounding it are not within a flood hazard area. FEMA's National Flood Layer Flood Insurance Rate Map (FIRM Panel 36027C0358E) the Site is located within Zone X, which has a 0.2%

annual chance of flooding (Figure 10). There will be a substantial buffer and distance between the proposed development and the Fall Kill and the implementation of the SWPPP will ensure that no significant adverse impacts to the floodplain will occur.

## 6.0 UTILITIES

### 6.1. Water and Wastewater

Municipal water and sewer service currently serve the project site. According to the New York State Department of Environmental Conservation (NYSDEC) *Design Standards for Intermediate Sized Wastewater Treatment Systems*, March 2014, with a 20% reduction for the use of modern water saving fixtures, the proposed project is expected to require water usage of 29,003± gallons per day. The existing demand is 28,226 ± gallons per day resulting in a net increase of approximately 777± gallons per day. It is anticipated that the City's municipal water system has capacity to serve the proposed use. The Site Utilities Plan, attached, shows the locations of all fire and domestic water mains, as well as the locations of all sanitary sewage mains.

### 6.2. Stormwater

The proposed project will require greater than one acre of disturbance and will require coverage under the State Pollutant Discharge Elimination System (SPDES) General Permit for Stormwater Discharges from Construction Activity. A SWPPP has been prepared in conformance with the most current New York State Stormwater Management Design Manual and New York State Standards and Specifications for Erosion and Sediment Control. Stormwater will be directed to on-site stormwater management structures. Therefore, the proposed project is not expected to result in any adverse impacts in regard to stormwater.

## 7.0 TRAFFIC AND PARKING

The Site is currently accessed via two existing driveway connections to Mill Street (U.S. Route 44/NYS Route 55). Under current conditions, these two driveways are not currently connected internally; however, as part of the proposed development these driveways are proposed to be connected by an internal parking area providing for internal circulation between the driveways. Mill Street is a three-lane roadway that accommodates only westbound traffic in the vicinity of the Site. The roadway is under the jurisdiction of the New York State Department of Transportation (NYSDOT). Any modifications to the proposed driveways including, repaving, signing, striping, and concrete sidewalk modifications along the Mill Street Site frontage will require a Highway Work Permit to be obtained from the NYSDOT. This also includes any work within the NYSDOT Right-of-Way associated with the closure of the existing driveways to 302, 304, and 306 Mill Street.

Based on the Parking and Traffic analysis (see Attachment E), the required parking for the proposed Wallace Campus development will exceed the proposed parking supply by 18 vehicles. The analysis demonstrates that these excess vehicles can be accommodated by the off-site public parking in the

vicinity of the Site and therefore the Applicant should request a waiver be granted by the Planning Board for these excess parking spaces. This is permitted under the City of Poughkeepsie Zoning Code and requires payment of a one-time fee to the City. In addition, the required parking needs associated with the proposed seasonal public performances and community gatherings (to be held at the tiered seating area within the Wallace Green) can be accommodated during both the Weekday evening and Weekend periods, when there is anticipated to be an excess of 500 available public parking spaces in the vicinity of the Site. Furthermore, the proposed development is not anticipated to have any significant traffic related impacts on the surrounding area intersections.

## 8.0 HISTORIC AND ARCHAEOLOGICAL RESOURCES

According to the Poughkeepsie NRI (Attachment C), several adjoining properties are listed as historic sites or are located within the Upper Mill Street Historic District.

Landmark Consulting LLC, the preservation consulting firm hired by the Wallace Campus development team, authored the Commercial Rehabilitation Tax Credit Part 1 application for certification to pursue the rehab incentive program. The Part 1 application and draft National Register Nomination for the Wallace Building (331 Main and 14-20 Catharine) was formally confirmed to have been entered into the New York State Historic Preservation Office's (SHPO) CRIS (Cultural Resource Information System) database on Feb. 8th, 2021. SHPO's program analyst Chelsea Towers of the Survey and National Register Unit confirmed receipt and is underway with her review, slated for completion by March 10th, 2021.

Subsequent to SHPO's review the documents will be submitted to the National Park Service (NPS) with an attending recommendation letter for review. NPS will have 30-days in which to review and provide judgement on the Part 1 application and draft National Register Nomination.

An additional online submission was entered into the SHPO CRIS requesting a general evaluation of the Project Sites historical and archaeological resources. This submission is still under review and no formal Effect Finding letter has been issued.

## 9.0 RECREATIONAL RESOURCES

Mural Square, a nearby open space, is located on the northern side of Main Street, approximately 400 feet west of the Site. According the Poughkeepsie NRI (Attachment C), no other recreational resources are located on or in the immediate vicinity of the Site.

# *FIGURES*

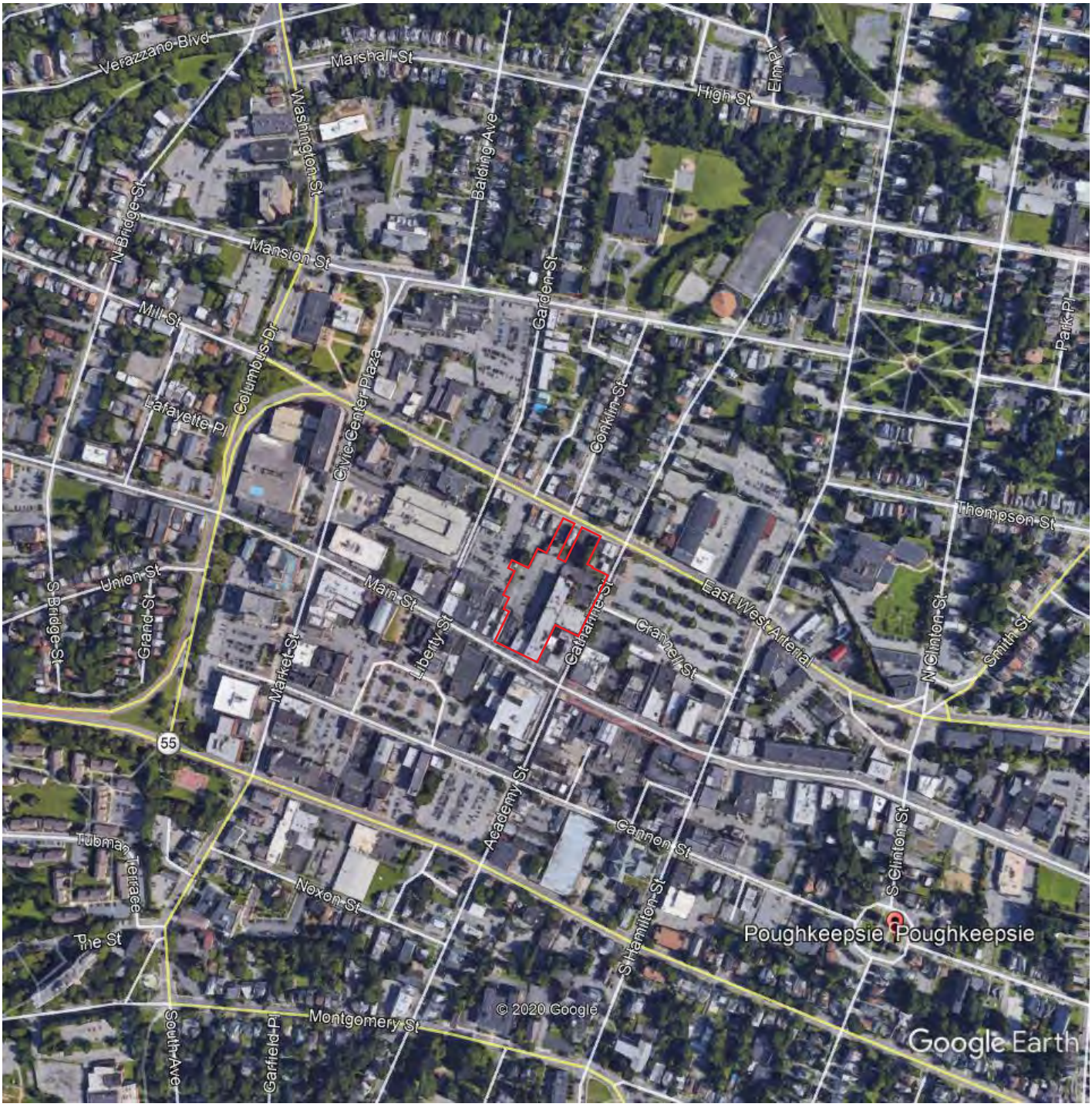



**Figure 1 - Site Location Map**

319, 325, 327-329 and 331 Main Street
City of Poughkeepsie
Dutchess County, New York

Legend:

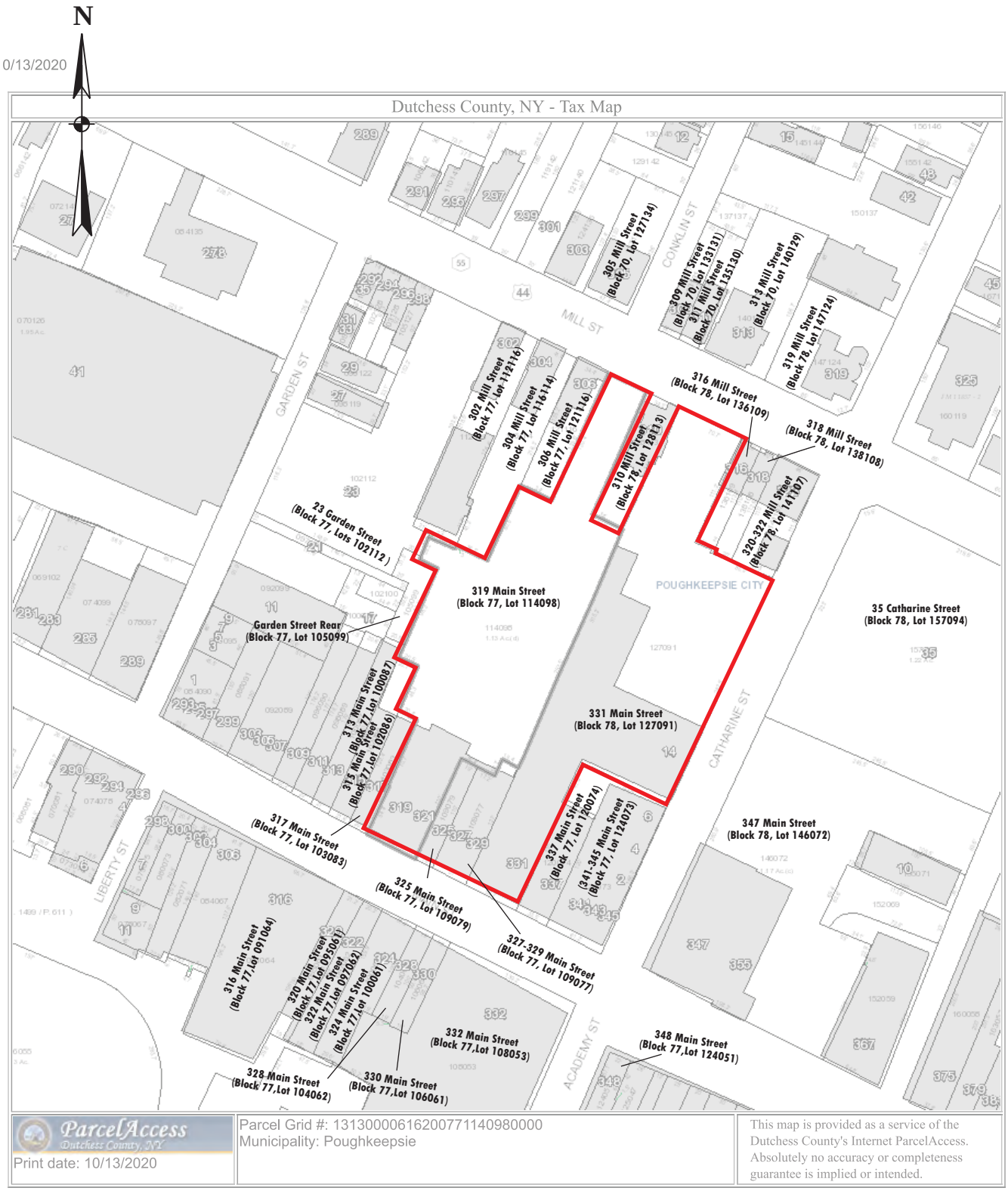
subject property

N

File No: 20-0213.02

April 2021

Figure 1




ParcelAccess Dutchess County, NY
Print date: 10/13/2020

Parcel Grid #: 13130000616200771140980000
Municipality: Poughkeepsie

This map is provided as a service of the Dutchess County's Internet ParcelAccess. Absolutely no accuracy or completeness guarantee is implied or intended.

## Figure 2 - Tax Map

319, 325, 327-329 and 331 Main Street
City of Poughkeepsie
Dutchess County, New York

Legend:

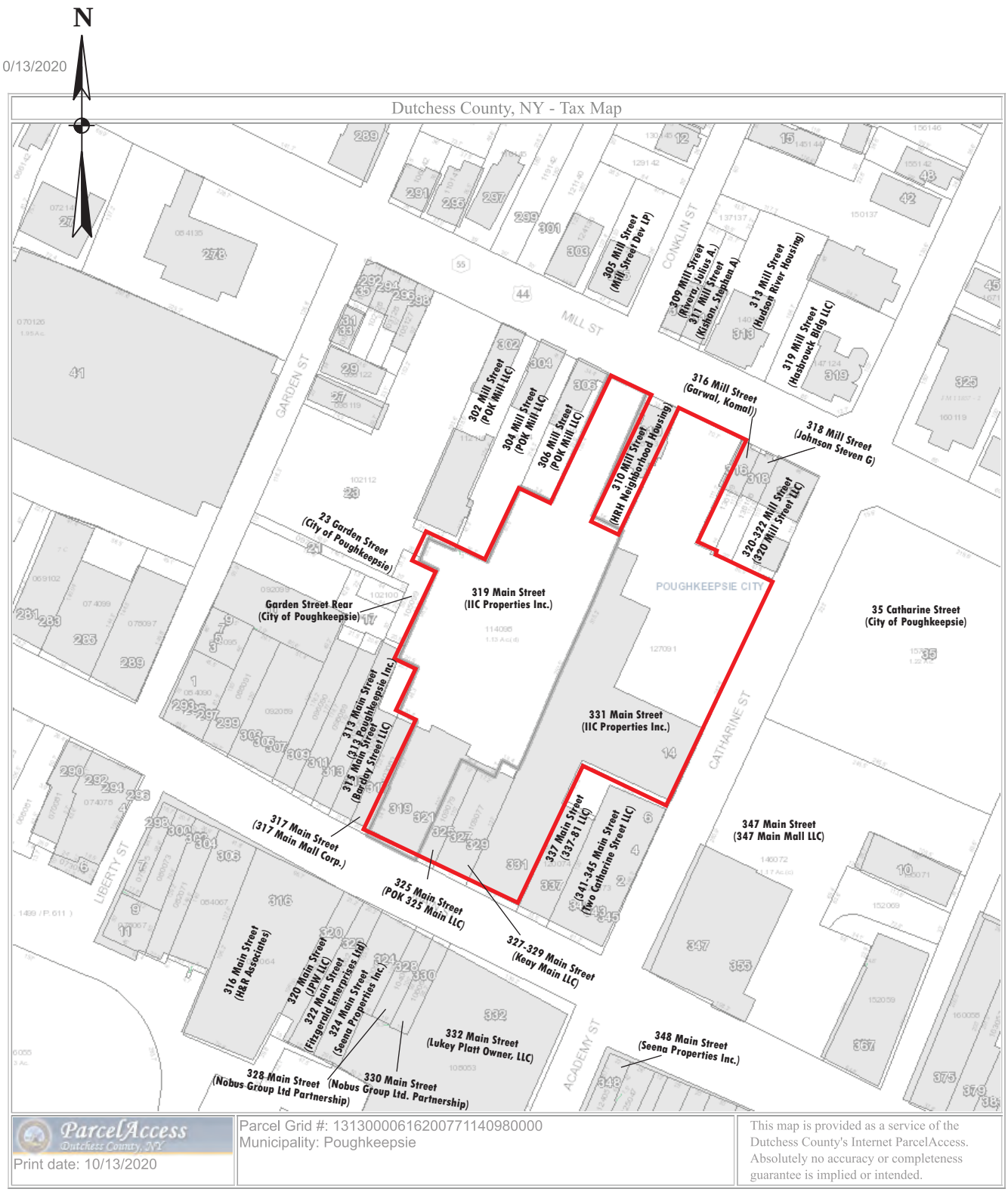
subject property border

0 50 100
SCALE IN FEET

File: 20-0213

April 2021

Figure 2




ParcelAccess Dutchess County, NY
Print date: 10/13/2020

Parcel Grid #: 13130000616200771140980000
Municipality: Poughkeepsie

This map is provided as a service of the Dutchess County's Internet ParcelAccess. Absolutely no accuracy or completeness guarantee is implied or intended.

## Figure 3 - Site Property Map

319, 325, 327-329 and 331 Main Street
City of Poughkeepsie
Dutchess County, New York

Legend:

subject property border

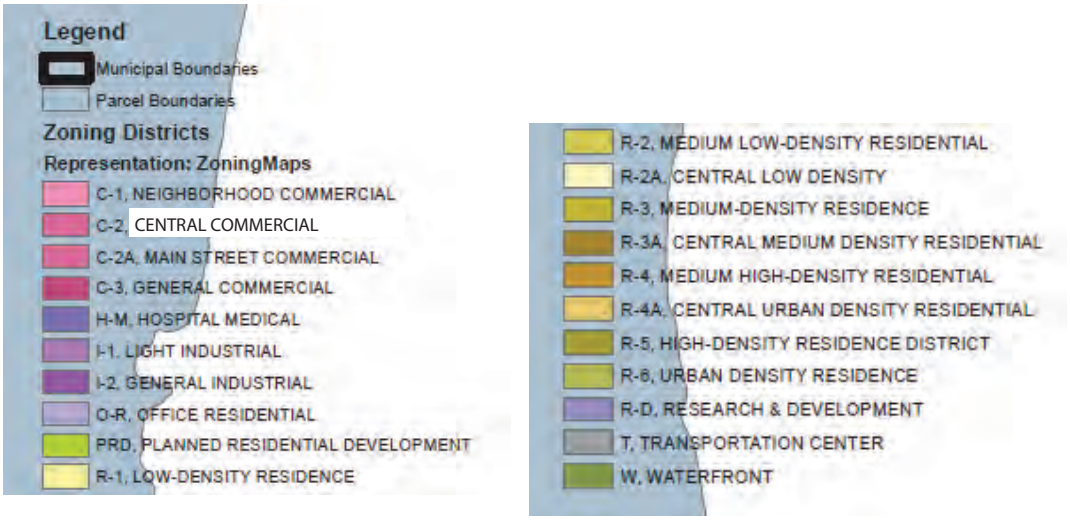
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April 2021

Figure 3




Source Map provided by Dutchess County Department of Planning and Development 12/26/12

**Figure 4 - Land Use**

319, 325, 327-329 and 331 Main Street
City of Poughkeepsie
Dutchess County, New York

Legend:

subject property border

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SCALE IN FEET

File: 20-0213

April 2021

Figure 4

# ZONING MAP OF THE CITY OF POUGHKEEPSIE, NEW YORK

ADOPTED FEBRUARY 20, 1979

SITE LOCATION

| | |
|---|---|
| R-1 | LOW DENSITY RESIDENCE DISTRICT |
| R-2 | MEDIUM-LOW DENSITY RESIDENCE DISTRICT |
| R-3 | MEDIUM DENSITY RESIDENCE DISTRICT |
| R-4 | MEDIUM HIGH DENSITY RESIDENCE DISTRICT |
| R-5 | HIGH DENSITY RESIDENCE DISTRICT |
| R-6 | URBAN DENSITY RESIDENCE DISTRICT |
| PRD | PLANNED RESIDENTIAL DEVELOPMENT DISTRICT (NOT MAPPED) |
| O-R | OFFICE-RESIDENTIAL DISTRICT |
| C-1 | NEIGHBORHOOD COMMERCIAL DISTRICT |
| C-2 | CENTRAL COMMERCIAL DISTRICT |
| C-3 | GENERAL COMMERCIAL DISTRICT |
| I-1 | LIGHT INDUSTRIAL DISTRICT |
| I-2 | GENERAL INDUSTRIAL DISTRICT |
| R-D | RESEARCH AND DEVELOPMENT DISTRICT |
| W | WATERFRONT DISTRICT |
| H-M | HOSPITAL-MEDICAL DISTRICT |
| R-4A | CENTRAL URBAN DENSITY RESIDENCE DISTRICT |
| T | TRANSPORTATION DISTRICT |
| | EDUCATION AND/OR RECREATION SITES |
| | HISTORIC DISTRICTS |
| R-2A | CENTRAL LOW DENSITY RESIDENCE DISTRICT |
| R-3A | CENTRAL MEDIUM DENSITY RESIDENCE DISTRICT |
| C-2A | MAIN STREET COMMERCIAL DISTRICT |

| DATE | REVISION | AUTHORITY |
|---|---|---|
| 1/30/82 | 170 Washington St. C-1 to R&D | Ord. 7/17/79 |
| | PURA 13A - C2 TO C3 | Ord. 8/21/79 |
| | PURA 14 - W to R&D | Ord. 9/4/79 |
| | Market St. - OR to C-E-G | Ord. 5/6/80 |
| | Gerald/Bialdi - to R&D | Ord. 6/3/80 |
| | Clinton House | Ord. 6/17/80 |
| | Maple St. - R-5 to R&D | Ord. 9/16/80 |
| | 192 Washington St. H-M to C-1 | Ord. 9/16/81 |
| | 45-47 Catharine St. R-4 to C-3 | Ord. 6/16/81 |
| | New Zone: R-4A | Ord. 6/16/81 |
| | Davies Pl. - H4 to C1 | Ord. 7/21/81 |
| | Elm. C-E-G Zone | Ord. 9/15/81 |
| | PURA 5A & 5B to R-6 | Ord. 11/17/81 |
| | | Ord. 3/16/82 |
| 3/8/84 | 301-321 South Ave. R&D to C-3 | Ord. 8/17/82 |
| | Hooker Ave. between Trinity Square & Forbus St. R-4 to R-3 | Ord. 8/17/82 |
| | Livingston & S. Hamilton R-4 to R-3 | Ord. 8/17/82 |
| | Holmes & Academy St. R-4 to R-3 | Ord. 11/16/82 |
| | Brookside Ave. R-4 to R-2A | Ord. 11/16/82 |
| | Taylor Ave. & Garden St. R-4 to R-3A | Ord. 12/21/82 |
| | Trinity Sq. to Parker Ave. R-4 to R-2A & R-3A | Ord. 1/17/83 |
| | N. Hamilton to N. Clinton R-4 to R-3A. | Ord. 1/17/83 |
| | Bartlett to DuBois R-4 to R-2A | Ord. 1/17/83 |
| | E. Side of Cedar Ave. R-4 To R&D | Ord. 3/21/84 |
| | Springside R-1 to PRD | |
| | Academy, Church, Hamilton, Montgomery Streets C-2 and R-3 to O-R | Ord. 3/19/84 |
| 10/1/86 | 42-44 N. Clover R-4 to C-1 | Ord. 9/23/85 |
| | 1-27 Columbia St. H-M to R-D | Ord. 2/3/86 |
| | 39-49 N. Clover & ~~141-145 Mill~~ R-4 to ~~C-1~~ | Ord. 3/3/86 |
| | 51 Montgomery R-3 to C-2 | Ord. 7/7/86 |
| 10/18/96 | 154-162 Wilbur Blvd. R-1 to PRD | Ord. 5/4/87 |
| 10/24/89 | 2 Wilson Blvd. R-2 to C-1 | Ord. 11/16/87 |
| | 42-46 Catharine St. R-4 to C-2 | Ord. 1/2/89 |
| | PURA Parcels 4A & 4B (Main St.) C-1 to C-2 | Ord. 1/2/89 |
| | Main St. C-3 to C-2A | Ord. 3/21/89 |
| | Washington St. - Fallkill Place R-4 to C-1 | Ord. 7/5/89 |
| | Hooker Ave R-1 to R-2 | Ord. 9/18/89 |
| 3/30/92 | 117 and 125 Market Street R-3 to C-2 | Ord. 3/16/92 |
| 10/18/96 | 129 South Ave. R-3 to C-1 | Ord. 6/11/93 |
| | 50-54 No. Hamilton St. & 168-170 Mansion St. R-4 to O-R | Ord. 3/15/93 |
| | 479-519 Main St. (odd #'s only) & 34-68 Winnikee Ave. (even #'s only), 15-20 No. Cherry St. I-1 to C-3 | Ord. 10/16/95 |
| | Tax Parcel 31-6041-51-817025 Fox St. & Prospect St. I-2 to R&D | Ord. 11/20/95 |
| | Tax Parcel 31-6063-52-887595 & Tax Parcel 31-6062-50-936494 from R-4 to C-1 | Ord. 6/6/96 |
| | 2,3, 5-9, 11-15, 17-27 North Water St. & 17-25, 27, 29 & 31-35 Main St. from T to W | Ord. 7/8/96 |

City of Poughkeepsie

# LAND USE & ZONING STUDY

**Community Development Program**

Raymond, Parish, Pine & Weiner, Inc. Planning and Community Development Consultants

0 400 800 ft.




Source Map provided by Dutchess County Department of Planning and Development

**Figure 6 - Zoning Map (1,000' Radius)**

319, 325, 327-329 and 331 Main Street
City of Poughkeepsie
Dutchess County, New York

Legend:

subject property border

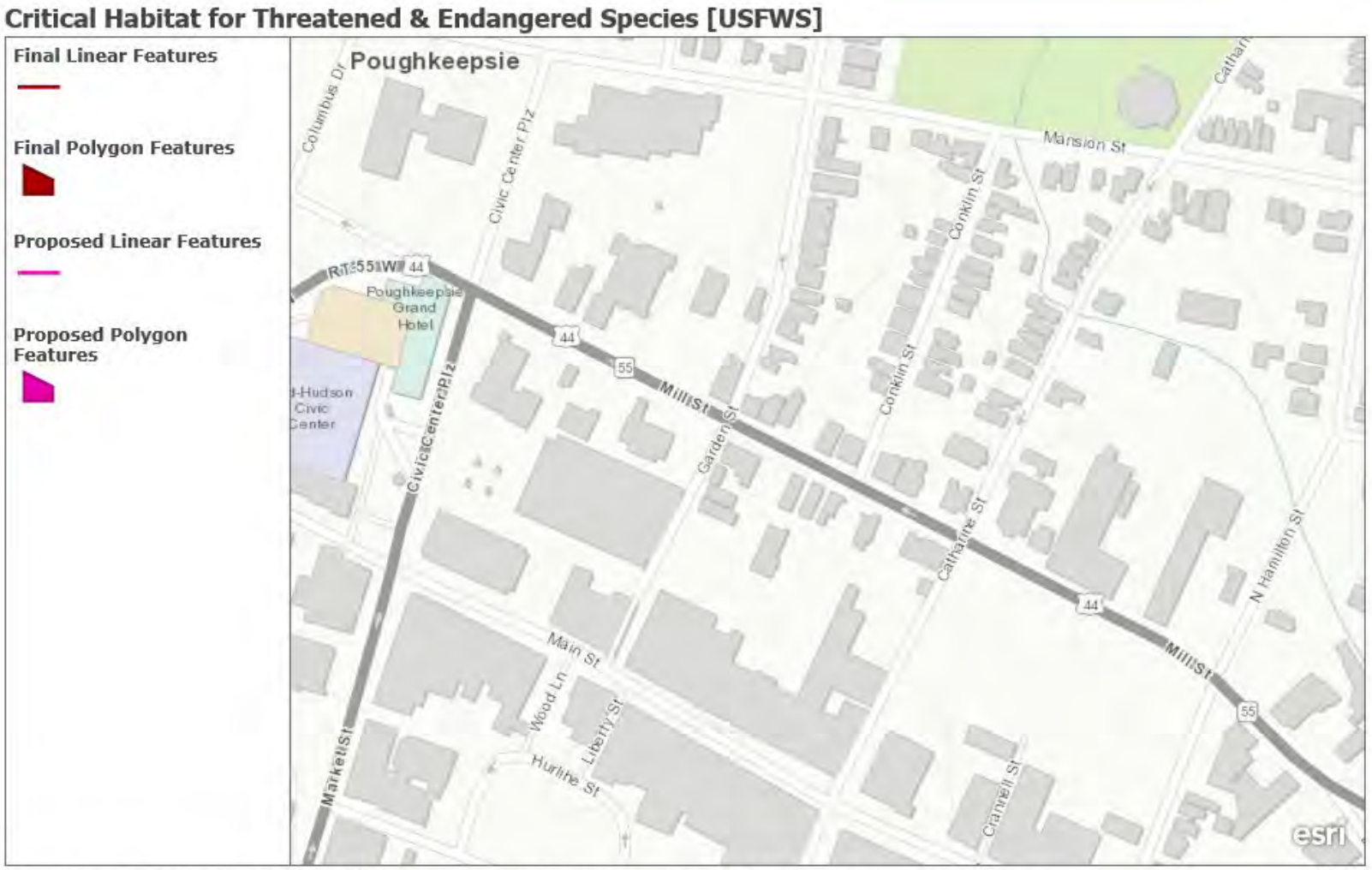
0 250 500
SCALE IN FEET
(APPROXIMATELY)

File: 20-0213

April 2021

Figure 6

# Figure 7 - Endangerd Species Map




A specific geographic area(s) that contains features essential for the conservation of a threatened or endangered species and that may require special management and protection.

Esri Canada, Esri, HERE, Garmin, INCREMENT P, USGS, EPA, USDA | U.S. Fish and Wildlife Service | The data found in this file were developed by the U.S. Fish & Wildlife Service field offices. For more information please refer to the species level metadata found with the individual shapefiles. The ECOS Joint Development Team is responsible for creating and serving this conglomerate file. No data alterations are made by ECOS.

# Figure 8 - NYS Wetland




June 23, 2020

1:2,257

0 0.02 0.04 0.08 mi

0 0.03 0.07 0.13 km

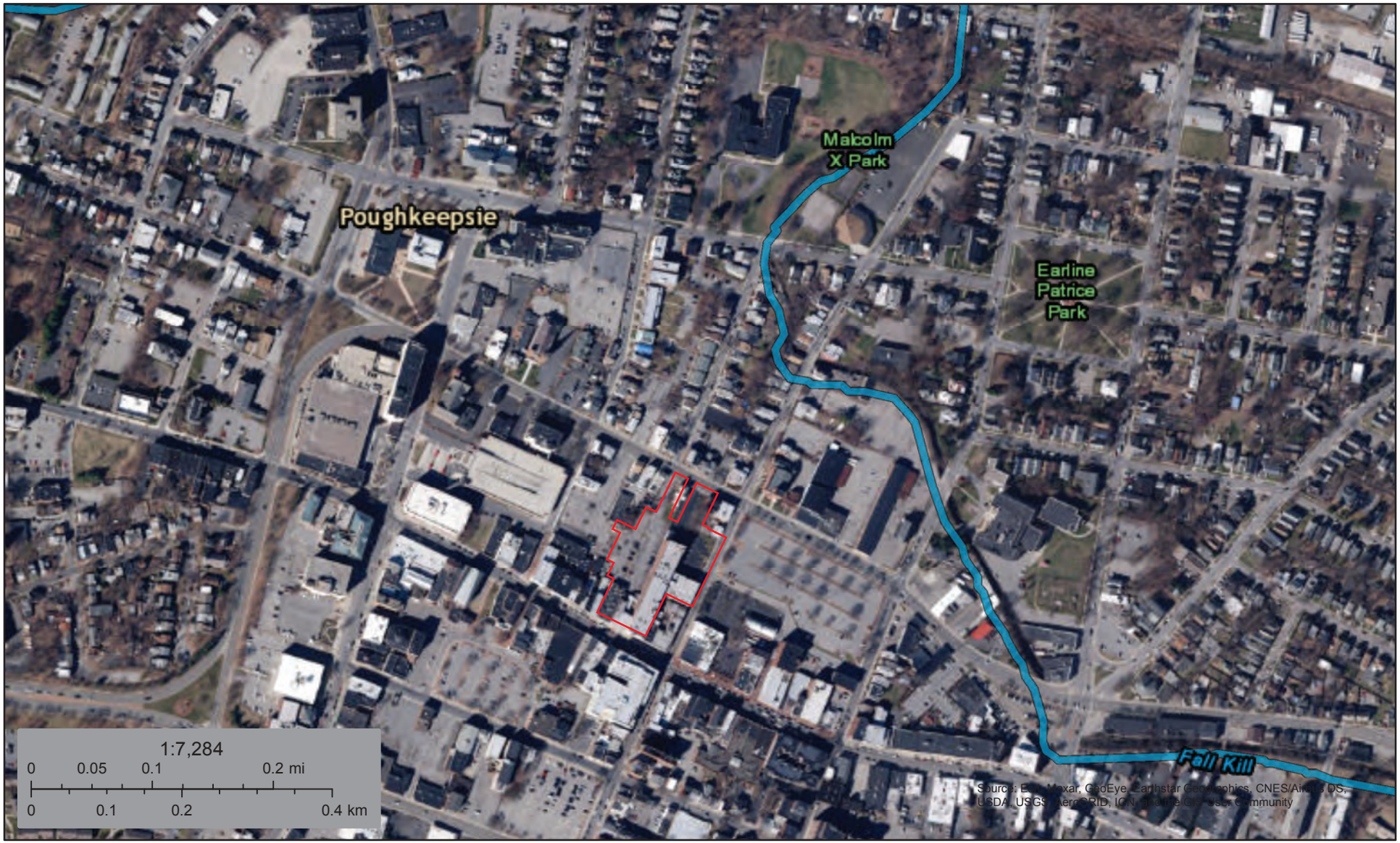
Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

NYS Department of Environmental Conservation
Not a legal document

U.S. Fish and Wildlife Service

National Wetlands Inventory

# Figure 9 - Federal Wetland




June 23, 2020

**Wetlands**

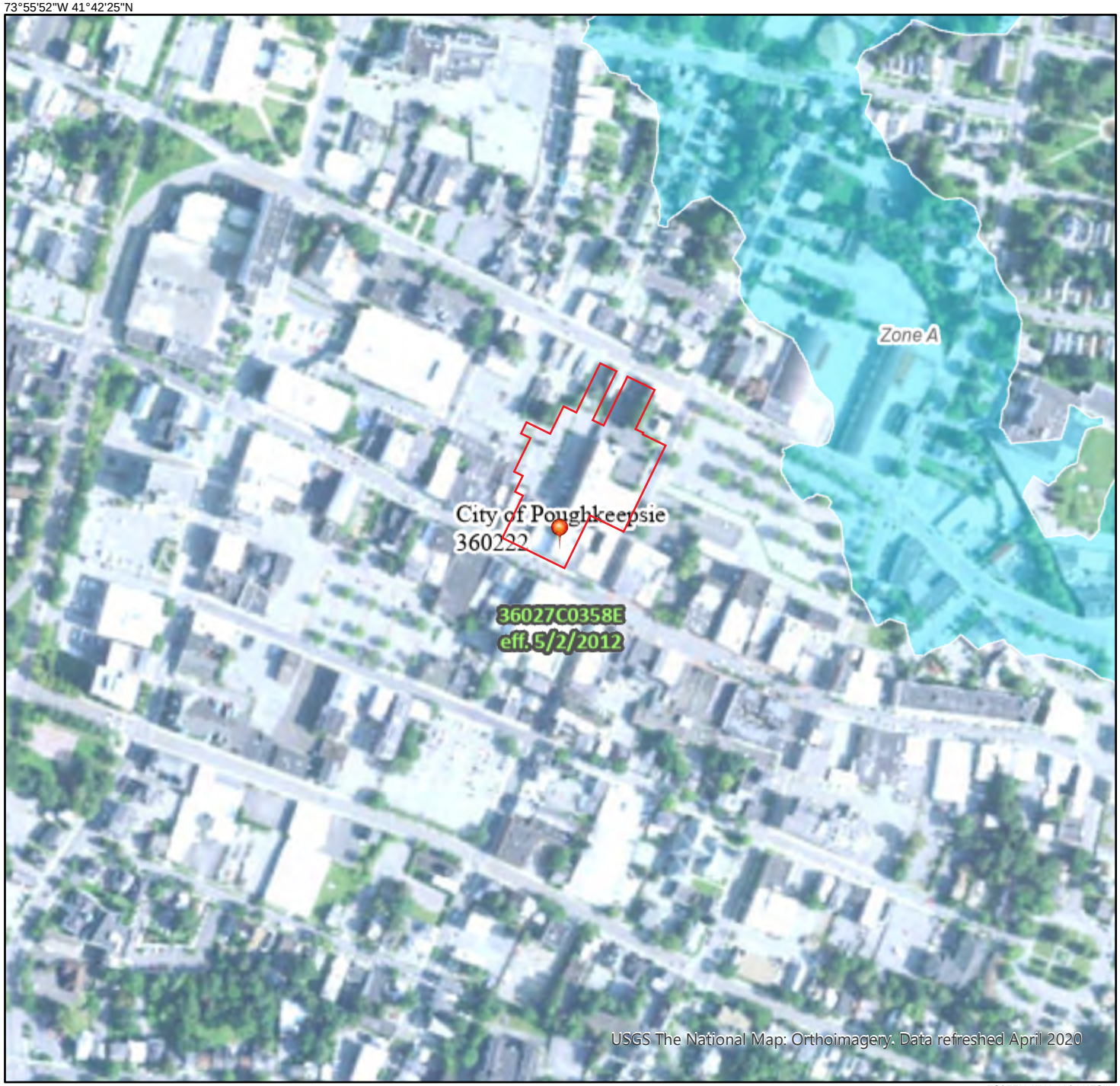
- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

# Figure 10 - NFHL FIRMette

73°55'52"W 41°42'25"N




73°55'14"W 41°41'58"N

0 250 500 1,000 1,500 2,000 Feet

1:6,000

## Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

**SPECIAL FLOOD HAZARD AREAS**
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

**OTHER AREAS OF FLOOD HAZARD**
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

**OTHER AREAS**
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

**GENERAL STRUCTURES**
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

**OTHER FEATURES**
- 20.2 Cross Sections with 1% Annual Chance
- 17.5 Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

**MAP PANELS**
- Digital Data Available
- No Digital Data Available
- Unmapped

Ü

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 10/13/2020 at 3:38 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

# *Attachment A*

# *Letter of Completeness*

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Bureau of Technical Support
625 Broadway, 11th Floor, Albany, NY 12233-7020
P: (518) 402-9543 I F: (518) 402-9547
www.dec.ny.gov

February 16, 2021

Wallace Campus Manager LLC
Attn: John Logsdon
93 4th Avenue #1289
New York, NY 10276

**RE: Brownfield Cleanup Application**
Wallace Campus
Site No. C314134

Dear John Logsdon:

The New York State Department of Environmental Conservation (DEC) has received your application for participation in the Brownfield Cleanup Program (BCP) pursuant to Environmental Conservation Law (ECL) § 27-1401 et seq. We are pleased to advise you that your application has been determined to be complete based upon DEC's initial non-substantive review of your application package. While the application is complete, DEC may require additional information regarding site contamination in order to demonstrate that the site requires remediation pursuant to ECL § 27-1407(1). Additionally, if your application also seeks a determination that the site is eligible for tangible property credits under ECL § 27-1407(1-a), DEC may require additional information in order to make such a determination. If you propose additional material to supplement this application, DEC may consider it at its sole discretion. If additional material or information supplied significantly changes the scope of the site subject to the application, the Department may require you to publish another public notice of availability of the complete application. DEC would then adjust the time frame specified under ECL § 27-1407(6) for notifying you that your request for participation in the BCP is either accepted or rejected.

Pursuant to ECL § 27-1407(5), a 30-day public comment period is to begin after DEC's determination that an application is complete. DEC will publish a notice of the receipt of your application seeking public comment in the "Environmental Notice Bulletin." In accordance with the ECL and DEC regulations (see 6 NYCRR § 375-3.4(b)), you must notify, in writing, all parties on the site contact list[1] of the availability of the complete application for public review and comment.

[1] The site contact list includes (see section 375-1.2(as)) all interested "persons, government agencies, groups or organizations, including, but not limited to, the chief executive officer and zoning board of each county, city, town and village in which such site is located, the public water supplier which serves the area in which such site is located, any site residents, adjacent property owners, any person who has requested to be placed on the site contact list, and the administrator of any school or day care facility located on the site for the purposes of posting and/or dissemination at the facility. Provided, however, that where the site or adjacent real property contains multiple dwelling units, the remedial party may propose an alternative method, consistent with the citizen participation goals set forth in section 375-1.10, for providing such notice in lieu of mailing to each individual."

In order to facilitate the notifications, DEC has prepared the enclosed documents for your use as Public Notices along with instructions. You are responsible for placing a copy of the application (including any attachments) and copies of all other related documents such as any site assessments, investigation reports, and/or remedial work plans in the document repository as soon as the repository has reopened to the public. The language in the enclosed Public Notice must be used without alteration in the newspaper notice that you have published in accordance with sections 375-3.2(f) and 375-3.10.

The shorter enclosed public notice must be provided to a local newspaper servicing the area including the site for publication no later than February 24, 2021. By February 23, 2021, the other notifications specified above must be distributed. The site documents must be placed in the repository as soon as it has reopened to the public. To the extent that the mailings and publications are not completed in accordance with these time frames, DEC will extend the comment period for a period sufficient to comply with the required public notice requirements running from the latest of these mailings and publications.

Within five days of the mailings, you must submit a "certificate of mailing" using the enclosed form. Additionally, you must submit a proof of publication provided by the newspaper within three days of your receipt of such document. Please submit these documents to DEC's Project Manager:

Michael Kilmer
NYS Dept. of Environmental Conservation
21 South Putt Corners Road
New Paltz, NY 12561-1696
michael.kilmer@dec.ny.gov

DEC will use all best efforts to notify you if the application is accepted or rejected within five days after the close of the public comment period. We look forward to working cooperatively to address the environmental conditions at the brownfield site and return this property to productive use.

Sincerely,

Leonard Zinoman for
Kelly A. Lewandowski, P.E.
Chief, Site Control Section

Enclosures
ec w/enc.: M. Kilmer, Project Manager
J. Brown, Director, Remedial Bureau C
D. Bendell, RHWRE, Region 3
W. Bennett
J. Andaloro, NYSDEC – OGC, Remediation Bureau
L. Schmidt, Project Attorney
J. Jiudice, Regional Attorney, Region 3
C. Vooris, NYSDOH
M. Schuck, NYSDOH Regional Chief
L. Zinoman, Site Control Section
K. Lewandowski
John Logsdon, Requestor's Representative (jlogsdon@urbangreenbuilders.com)
Gallagher Bassett, Requestor's Consultant (Richard_hooker@gbtpa.com)
Brown Duke & Fogel, P.C., Requestor's Attorney (gduke@bdflegal.com)

**Brownfield Cleanup Program**
**Public Notice Instructions to Requestor[2]**

**1) Newspaper Notice**

a) The Requestor must publish the language in the enclosed public notice with the heading "Notice to be published in newspaper" without modification, in a local newspaper of general circulation that services the area that includes the site not later than the date specified in the Division of Environmental Remediation's (DER) cover letter. The notice must be a paid newspaper advertisement, prominently located in the community bulletin section or comparable local section of the newspaper (not as a legal notice). The Requestor must publish the notice in English and in any other language spoken by a significant number of people within the site community.

b) The Requestor must submit a proof of publication of the newspaper notice to the DER Project Manager by the date specified in the DER cover letter.

**2) Requestor's Instructions to Newspapers Regarding Printing the Public Notice**

a) The enclosed public notice with the heading "Notice to be published in newspaper" announces the receipt of a complete Brownfield Cleanup Program application package by the New York State Department of Environmental Conservation. Pursuant to ECL Section 27-1405(22), the public notice must be a paid newspaper advertisement, prominently located in the community bulletin section or similar local section of the newspaper (not as a legal notice). The public notice must be published by the date specified. Please provide a proof of publication to the DER Project Manager as soon as possible.

**3) Site Contact List**

a) The Requestor must mail the enclosed public notice with the heading "Notice to be distributed to those on contact list included in the BCP Application", without modification, to the parties on the site contact list included with the application. The mailing must be performed by the date specified in the DER cover letter. No other materials can be mailed with this notice with the exception of the instructions provided in #4a below.

b) The Requestor must complete the certificate of mailing and submit it to the DER Project Manager by the date specified in the DER cover letter (see enclosed certificate of mailing form).

**4) Requestor's Instructions to Parties on the Site Contact List Receiving the Public Notice**

a) The enclosed public notice announces the receipt of a complete Brownfield Cleanup Program application package by the New York State Department of Environmental Conservation. Pursuant to ECL Section 27-1407(5), a public notice announcing the receipt of an application must be sent to parties on the site contact list. Please read the enclosed public notice and review the application package in the site document repository for further information regarding the application and how to submit comments.

**5) Document Repository**

a) The Requestor must put the application package (application and all attachments) in the site document repository specified in the application as soon as it has reopened to the public.

---

[2] A requestor (§ 375-3.2(i)) is a person who has submitted an application to participate in the BCP whose eligibility has not yet been determined by DEC.

Notice to be published in newspaper:

**Public Notice**
**Fact Sheet**

The New York State Department of Environmental Conservation (DEC) has received a Brownfield Cleanup Program (BCP) application and Draft Remedial Investigation Work Plan from Wallace Campus Manager LLC for a site known as Wallace Campus, site ID #C314134. This site is located in the City of Poughkeepsie, within the County of Dutchess, and is located at 319, 325, 327-329 & 331 Main Street. Comments regarding this application and Draft Remedial Investigation Work Plan must be submitted no later than March 26, 2021. Access the application, work plan and other relevant documents online through the DECinfo Locator: https://www.dec.ny.gov/data/DecDocs/C314134/. The documents will also be available at the document repository once reopened, located at Adriance memorial Library, 93 Market Street, Poughkeepsie, NY 12601. Information regarding the site and how to submit comments can be found at http://www.dec.ny.gov/chemical/60058.html or send comments to Michael Kilmer, Project Manager, NYSDEC, 21 South Putt Corners Road, New Paltz, NY 12561-1696; michael.kilmer@dec.ny.gov; or call 845-633-5463.

To have information such as this notice sent right to your email, sign up with county email listservs available at www.dec.ny.gov/chemical/61092.html.

Notice to be mailed to those on contact list included in the BCP Application:

**Public Notice**
**Fact Sheet**

The New York State Department of Environmental Conservation (DEC) has received a Brownfield Cleanup Program (BCP) application and Draft Remedial Investigation Work Plan from Wallace Campus Manager LLC for a site known as Wallace Campus, site ID #C314134. This site is located in the City of Poughkeepsie, within the County of Dutchess, and is located at 319, 325, 327-329 & 331 Main Street.

Access the application, work plan and other relevant documents online through the DECinfo Locator: https://www.dec.ny.gov/data/DecDocs/C314134/. The documents will also be available at the document repository once reopened, located at Adriance memorial Library, 93 Market Street, Poughkeepsie, NY 12601.

There are several ways to comment on BCP applications. Comments can be submitted to the site Project Manager Michael Kilmer at NYSDEC, 21 South Putt Corners Road, New Paltz, NY 12561-1696; via email at michael.kilmer@dec.ny.gov or by calling 845-633-5463. All comments must be submitted by **March 26, 2021.**

Site information can be viewed by entering the site ID noted above at: http://www.dec.ny.gov/cfmx/extapps/derexternal/index.cfm?pageid=3

We would also encourage those interested in receiving information on future activities at this site or any other site to sign up to DEC's Contaminated Sites Email List at: http://www.dec.ny.gov/chemical/61092.html

**What is the Brownfield Cleanup Program?**

New York's Brownfield Cleanup Program (BCP) is designed to encourage private-sector cleanups of brownfields and to promote their redevelopment as a means to revitalize economically blighted communities. The BCP is an alternative to "greenfield" (land not previously developed or contaminated) development and is intended to remove some of the barriers to, and provide tax incentives for, the redevelopment of brownfields. Since its inception (2003), the BCP has catalyzed the cleanup of more than 300 contaminated sites statewide and incentivized redevelopment. There are more than 350 active sites in the BCP.

Additional information on the State's Brownfield program is available at DEC's website: http://www.dec.ny.gov/chemical/8450.html

## CERTIFICATION OF MAILING

**Site Name:** Wallace Campus
**Site No.:** C314134

I certify that I mailed on _____ a copy of the attached public notice by first class mail upon the person(s) on the attached mailing list, by depositing a true copy thereof, securely enclosed in a postpaid wrapper, in the Post Office box at _____ in the City of _____, New York, which box is under the exclusive care and custody of the United States Post Office.

_____ _____
Signature Date

# *Attachment B*

# *Zoning Compliance Letter*

CUDDY +FEDER LLP

300 Westage Business Center, Suite 380
Fishkill, New York 12524
T 845 896 2229
F 845 896 3672
cuddyfeder.com

Jennifer L. Van Tuyl
jvantuyl@cuddyfeder.com

March 1, 2021

Mr. Robert Levine, Planning Board Chair
City of Poughkeepsie Planning Board
62 Civic Center Plaza, 3rd Floor
Poughkeepsie, NY 12601

Re: Wallace Campus: zoning and land use

Dear Chairman Levine and members of the Planning Board:

This letter briefly summarizes zoning issues relevant to the Board's Site Plan review, recognizing that formal determination and resolution of technical zoning compliance issues rests with the Zoning Administrator and ultimately with the Zoning Board of Appeals.

The Purposes of the PID District:

One could characterize the Wallace Campus Project in terms of its comprehensive contribution to one of the 6 main components of the PID Framework: Strategies for remediating and redeveloping vacant properties including surface parking lots. Yet in doing so, the project also accomplishes a number of other important goals of the PID program:

- Comprehensive planning and design of a major portion of the block surrounded by Main, Catharine, and Mill Street, providing major improvements to the streetscape on all three lot frontages.

- Rehabilitation and adaptive reuse of the historic Wallace building, one of the most important historic buildings in the PID.

- Creating two new buildings of excellent design, reflecting sensitivity to historic design elements of existing context. These contribute to the architectural stateliness of the Main Street corridor, and restore the street wall on Catharine with a design that complements

the proposed building now under construction at the southeast corner of Catharine and Mill

- Integrating the Mill Street frontage into the project design, enhancing the pedestrian function of the Mill Street sidewalks by consolidating driveways, eliminating two driveways that interrupt the pedestrian route, and providing attractive pedestrian views into the site, inviting use of the new mid-block pedestrian walkway to Main Street. The same inviting views into the consolidated lot will be seen by drivers along the corridor, supporting efforts to reduce the function of the Mill Street arterial as a highway, and reinforcing its role as a City street.

- Integrated invitation to pedestrian activity throughout the site, from all sides of the property: the Main street Promenade entrance between the Wallace and Main Street buildings; the Catharine Street building breezeway; the Mill Street entrance to the mid-block Wallace Green Walkway; and the connection from Garden Street, along the path and community garden.

- Reclaiming almost an acre of pavement to create the Wallace Green, which reinforces the invitation to pedestrian connectivity by a large central landscaped Green, with opportunities for lunchtime strolls and informal gatherings.

- Providing 214 residential units of mixed-income affordable housing serving households earning from 30% AMI up to 80% AMI as defined by the Dutchess County AMI tiers (Poughkeepsie-Newburgh-Middletown, NY HUD Metro Area).

- All on-site environmental conditions with the potential to impact human health and the environment will be remediated per a NYSDEC Remedial Action Work Plan under the New York State Brownfield Program.

These are all substantial successes, and the Applicant thanks the Planning Board, City Staff, and City consultants for many of the suggestions that have improved the contributions of the project.

<u>Zoning Variances in Context:</u>

The project will require certain area variances. The need for these variances should not be seen as the result of flaws in the project design. They actually are the natural result of good planning for the site, and the difficulties created by pre-existing conditions and the division of the large project site into two different zoning districts.

Height Variances for Main Street and Catharine Street Buildings:

The need for the height variances is directly connected to the planning strategy of creating the large Wallace Green at the center of the site. Without Wallace Green, the buildings could have been lower in height and larger in footprint.

The height variances are not substantial in their nature: The requested variance for the Catharine Street building is one story, the Applicant having minimized the request by reducing the height of the building from 7 to 6 stories. The requested variance for the Main Street building is one story (to be 7 stories where 6 permitted as of right) in the UV zoned portion of the building. This variance covers only 9.28% of the total building area. (See attached graphic PD-2). The Applicant has minimized the variance by stepping back the building, providing a height of only 5 stories along the Main Street frontage. The multiple renderings of the building in context, as even more fully explained by the architects in their presentations, demonstrate that the proposed height of this building is compatible with the area context, and does not cause any adverse effect on the neighborhood or character of the community. To the contrary, the effect is positive.

The Main Street building is bisected by the zoning line separating the PID-UV and PID-HC subdistricts. The result is that one small section of the Main Street building, representing less than 20% of the area of the building's footprint, requires a two-story variance, because the as-of-right height in the HC subdistrict is only 5 stories. (See attached graphic PD-1) This variance has also been minimized by the step back of the building, and the total variance requested (i.e. total of both floors) represents only 5.8% of the total building area.

These variances are required because the height is measured in stories. The building does not exceed the height (if measured in feet) of buildings that would be permitted if their floor-to-floor height were greater than the Applicant's propose. (permitted heights are 20 feet for ground floor commercial and 14 feet for upper floors, which would permit the Main Street building to be 90 feet tall in the PID-UV portion and 76 feet tall in the PID-HC portion. The building is 74 feet to its tallest point.

Additionally , the building "steps back" at the 5th story, at a height of just over 50 feet. Under the PID zoning, a step back is not actually required until the point at which the Main Street building would exceed 114 feet (twice the width of the Main Street row).

Both these factors confirm that the building is not outside the goals of the zoning law, and is within the neighborhood context.

Similar considerations apply to the Catharine Street building, which is within the PID-HC district. The reason for the additional story is the same: to concentrate buildings at the streetwall and create substantial, accessible, open space within the site. The building exceed permitted stories by one story (6, where 5 permitted as of right). The actual height of the building is 53 feet, 8 inches. A permitted 5 story building could reach the height of 76 feet. The PID zoning would require a step back of the building at 88 feet (twice the row of Catharine Street). The building does not rise to a height requiring that step back.

In conclusion, the buildings require modest height variances from the Zoning Board of Appeals, but from the context of site planning, architectural review, and neighborhood planning, the buildings are congruent with, and improve the character of, the neighborhood.

Variances Relating to the Mill Street Frontage:

The second major category of area variances are caused by the pre-existing condition that Mill Street does not have a consistent street wall of buildings, and has functioned as vehicular site access for many years. The consolidated lot has two entrances on Mill Street, which has functioned as vehicular access for many years. The continuation of the two access points enhances circulation and safety. Nonetheless, the zoning requires 100% frontage occupancy by a building in the PID-HC subdistrict (where the eastern driveway is located) and 80% frontage occupancy in the PID-UV subdistrict (where the western driveway is located). This is a standard that is not even met by the existing buildings on Mill Street, nor is it part of the historic context of existing buildings. Finally, the consolidated lot is a through lot with 3 frontages, requiring conformance with frontage and frontage occupancy requirements on all frontages. Compliance with this standard would effectively bar any vehicular access to parking on the site.

The Mill Street situation will require a number of variances relating to frontage, frontage occupancy, visibility of parking, parking forward of the building line, and parking within a 40 foot setback. In some cases, a variance will be required for 100% of the required standard. While this is, on the surface, a “substantial” variance, there is uniform authority that substantiality is not judged simply by a mathematical formula, but based upon the actual effect on the neighborhood.

While the technical issues on variances are within the jurisdiction of the Zoning Board of Appeals, the Planning Board will naturally consider the issue from the point of site planning, circulation, and the like. The site entrances have been improved, and adjusted as to parking as suggested by the City consultant. The proposal adds greenspace and landscaping to the Mill Street frontage. It also adds significant support for pedestrian activity along the Mill Street frontage. From a points of circulation and parking, the access is needed. Kindly refer to the extensive Parking,

Circulation, and Traffic Report from Maser Consulting, which also addresses the proposal for Shared Parking and Waiver/fee in lieu requests.

Variances of 100% Frontage Occupancy on Main Street And Mill Street to Accommodate the Mid-Block Pedestrian Connecting Pathway:

Area variances will be required on Main Street (PID-HC) and Mill Street (PID-UV) of the applicable 100%/80% frontage occupancy in order to create the mid-block pedestrian connection. The pedestrian mid-block connections are directly encouraged by the PID large lot provisions (19-3.37 (12)) and the proposal to create such a connection was actually made by the City to the Applicant. The variance creates positive effects in terms of neighborhood character. The connector also provides an opportunity to "wrap around" the commercial frontages at the Main Street promenade opening to the pedestrian through-way, thus providing retail "frontage" that is the equivalent of that which would be provided by a continuing streetwall.

Variance for Side Setback Along Western Side of Main Street Building:

An area variance will also be required for the side setback along the western side of the Main Street building. The building meets the setback at the frontage, but, since the building is in "T" form, the setback increases along the building sideline beyond the 10 feet permitted in the district. This variance does not adversely impact neighborhood character. It actually enhances neighborhood character by providing additional open space and building separation along the side lines, while maintaining the street wall on Main Street.

Conformance with PID Building Design Standards: 19-3.37 (10):

The variance requests should also be evaluated in light of the character of the proposal as described in detail in the architectural drawings and renderings which are part of the submission, the presentations by the Architects at Planning Board meetings, and the improvements as shown on the rendered Site Plan (illustrative site plan). To supplement these materials, the following information is submitted as to compliance with the Building Design Standards.

(a) TRANSPARENCY:

1. There is no mirrored, reflective or darkly tinted glass. Glass used in the three buildings to be transparent low-e, double pane argon filled insulated glass. See Z-001 for extent of glass.

2. No security grills are proposed at any of the three buildings. The decorative swinging gates proposed at the Catharine Street building will be used as the primary access point to the daycare lobby from Catharine Street via breezeway. The gates will only be closed during the off-hours of the daycare. See A-200D.

3. No curtains, blinds, or posters are proposed at the ground floor for any of the three buildings. See Z-001 for transparency percentages.

(b) FRONTAGES: SLCE has chosen a Shopfront Type C Frontage Type for all three buildings. See sheets A-200A thru A-200E

(c) DESIGN AND ARCHITECTURE:

1. Entrance Orientation: All 3 buildings have main entrance or entrances on the front façade. Maximum distance between entrances is attained. See Site Plan SP-1

2. Shopfront entrance orientation: Principal pedestrian entrances for all 3 buildings are directly connected to the sidewalk. The entrance to the Day Care is within a sheltered sidewalk with room for strollers. Principal entrances to shopfronts are highlighted with architectural features as presented to the Planning Board and shown on the renderings. See also Site Plan SP-1

3. Historic rehabilitation: SLCE Architects engaged in substantial research to assure that their proposed new construction reflects the traditional architecture of Main Street in building and roof forms, window proportions, materials, colors and details.

   With our site in the heart of the historic core, our proposal seeks to take its cues from the existing and historical fabric of Main Street, creating a gateway which reinforces the pedestrian connection from Main Street to Mill Street, near its intersection with Conklin, and passing through a new greenspace (Wallace Green) centrally located on the proposed campus. This new pedestrian connection is designed to be similar in scale to the pedestrian connection between Main Street and Mill Street via Garden St. further west on Main Street.

   The existing urban fabric on Main Street is characterized by a finer grain of buildings interrupted by medium and larger scale lots, with our site spanning between the medium scale of the existing Wallace building and the finer grain of main mall row. Our proposal for Main Street mediates between the large scale and stoic quality of

the existing Wallace building and the refined ornament and articulation of the buildings on Main Mall Row.

We were particularly interested in the Cast Iron Building - the way it turns the corner from Main Street to Garden St. by continuing the Main St. façade material and terminating at a setback, giving the effect of a thickened façade, as well as division of the facade into a clear base, middle, & top w/ a highly articulated cornice.

In the attached historical images of the Wallace building and Windsor hotel, a few things struck us. One was the way the canopy at the storefront level really begins to help activate the street level. We also found the rhythmic structure of the Windsor hotel piers successful at creating continuity along the storefront edge as it turns the corner from Catharine to Main Street. And in the Morgan house hotel photo where the canopies and window shades create a remarkable streetscape.

In Plan, our building forms a Tee pushed to the western edge of the site. At the connection of the tee we introduced a recess in the plan to visually separate the building into two volumes, and allow the stem of the tee to realign with the kink in the Wallace Building and prevent the path from narrowing toward the park while the volume on Main Street remains parallel to Main. It also provides a clear termination to the commercial spaces which wrap into the pedestrian walkway encouraging the pedestrian connection and shortening the perceived distance to the park. The façade is predominately brick with cast stone accents, a precast base, and precast cornice. The windows run in a regular grid with deep returns and articulation of the brick achieved through corbeling. The windows terminate with arched openings at the upper floor to accentuate the building top, similar to the historical buildings on Main Street.

The precast base is conceived as a series of structural piers continuing the rhythm of the Windsor hotel. Between the piers are inserted metal panel canopies and aluminum storefronts, defining the pedestrian edge. We are also introducing ornamental relief to the precast base inspired by the pressed tin ceilings of the existing Wallace building.

The Main street building cornice mimics the depth and section profile of the Cast Iron Building Cornice, while following the stepped silhouette of 311 Main Street. This gives the façade a proportion that is more in keeping with the proportions of the historical buildings on Main Street.

Our design for the Catharine Street building is intended to complement the Wallace building extension facing Catharine Street. Our building is divided into three zones with precast structural piers and aluminum storefront along the base, a center zone of brick (taking its material cue from the existing Wallace building extension), ornamental precast, and articulated cornice. The upper zone is conceived as an enlarged cornice with a change to white brick and inserting a spandrel panel and accent mullion, unifying the openings. We're using the same spandrel treatment at the 4th floor and ornamental precast at the remaining slab edges to give a hierarchy of scales to the façade. The remaining windows are separated by a small brick pier which is mirrored around each of the structural columns. These small piers add a secondary rhythm to the façade while keeping the windows proportional to the openings found in the historical district. The ground floor incorporates canopies and the structural piers to open and activate the street level. A decorative gate and breezeway are proposed on Catharine Street to promote connectivity to the park and parking areas, and will act as the primary point of access to the Daycare.

4. Blank walls: No visible façade of any of the buildings is blank. We have paid particular attention to the sides of the buildings that face the Wallace Green Walkway and the Green. These are also important facades that frame the view from Mill Street, which will form an important entrance to the side for both vehicles and pedestrians. See detailed renderings with the March 2021 submission which show views from Mill Street. See building elevations and renderings A-200A through A-215.

5. Façade articulation: Facades along all three buildings are broken up with divisions in materials, separate entrances and windows. Awnings are also used. Building articulation continues to wrap around the corners of Main Street and Wallace buildings to invite patrons and visitors into the pedestrian mid-block connector and provide access to residential entrances. The façade of the Catharine Street building has multiple doors and window treatments, as well as awnings and a gated breezeway. See elevations and renderings A-200A through A-215.

6. Awnings: Awnings for the three buildings are to be Aluminum Composite Panels over a recessed entry and extend 3'-4' beyond the building face. Scale drawings are provided to show height. See A-200A through A-200E.

7. Roofs: All roofs have been designed to conceal mechanical equipment. See detailed elevations and roof plans in the March 2021 submission set, and accompanying diagrams demonstrating that neither rooftop bulkheads nor rooftop mechanicals will

be visible from the street or adjoining properties. Mechanicals will be low in height and will be totally screened.

Main St Building – The roof over the front portion of the building (at 5-story height) will be a permeable vegetated green roof with access only available for maintenance. The Roof over the 7th floor will be a high albedo built-up roof system.

Catharine Street Building - The roof over the 6th floor will be a high albedo built-up roof system.

Wallace Building – The existing roof of the Wallace building will be replaced and repaired to match the existing roof as required. No new additions to the roof are proposed.

8. Screening: Roof Screening will be a perforated metal screen finished to match the metal of the window frames of the buildings. Mech. equipment will be located away from the edge of the buildings to further shield from view.

Conclusion:

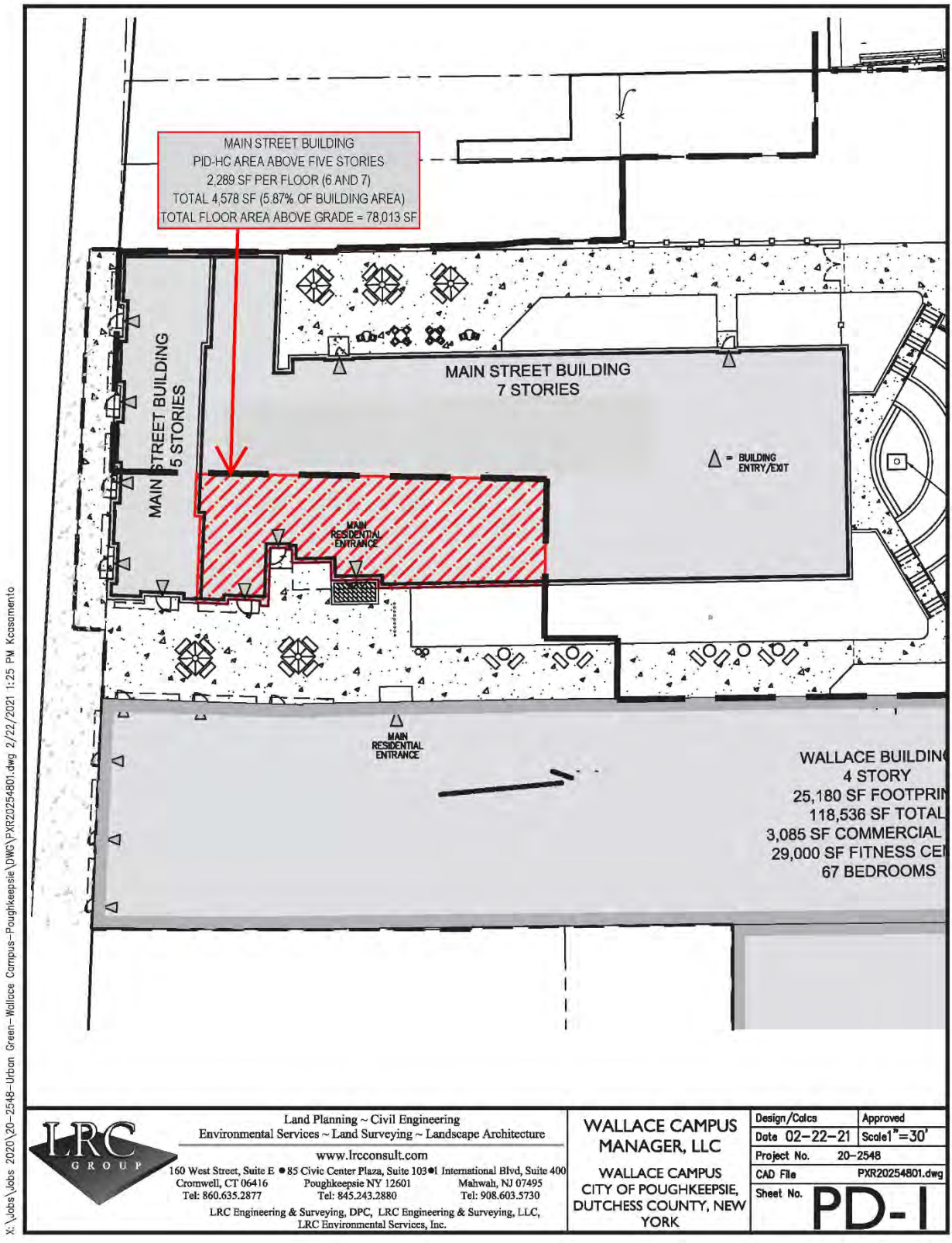
Viewed in the context of the purposes of the PID zoning, the variances necessary to implement the project will result in no substantial negative impact on the neighborhood and community and actually a part of the overall contributions of the project to attaining the purposes of the PID zoning.

Very truly yours,

Jennifer Van Tuyl

cc: Judith Knauss, Deputy Zoning Administrator
Natalie Quinn, Planning Director
Teressa Bakner, Esq., Special Counsel

4746427.v1




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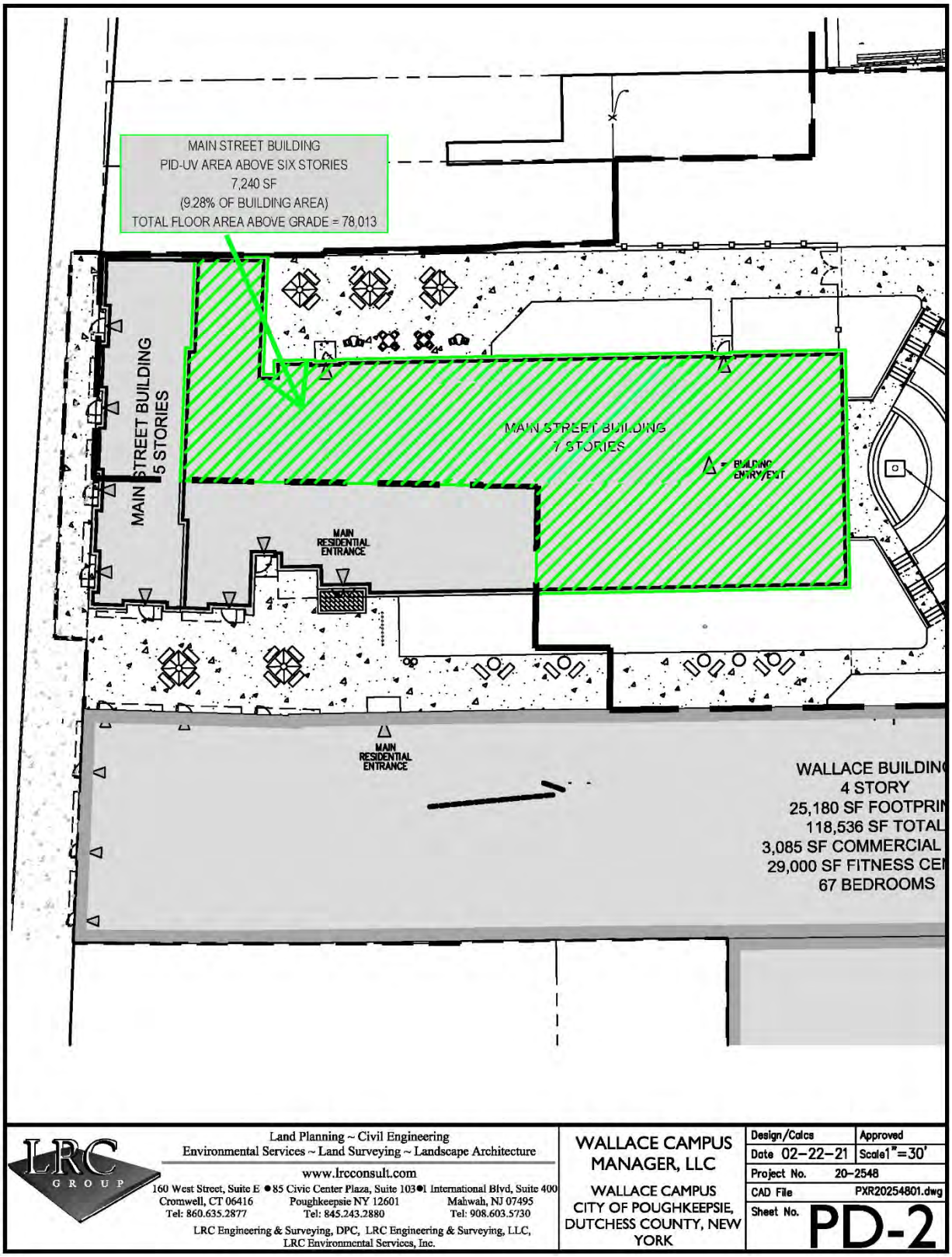
160 West Street, Suite E, Cromwell, CT 06416 Tel: 860.635.2877
85 Civic Center Plaza, Suite 103, Poughkeepsie NY 12601 Tel: 845.243.2880
1 International Blvd, Suite 400, Mahwah, NJ 07495 Tel: 908.603.5730

LRC Engineering & Surveying, DPC, LRC Engineering & Surveying, LLC, LRC Environmental Services, Inc.

WALLACE CAMPUS MANAGER, LLC

WALLACE CAMPUS
CITY OF POUGHKEEPSIE, DUTCHESS COUNTY, NEW YORK

| Design/Calcs | Approved |
|---|---|
| Date 02-22-21 | Scale 1"=30' |
| Project No. 20-2548 | |
| CAD File PXR20254801.dwg | |
| Sheet No. PD-1 | |




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WALLACE CAMPUS MANAGER, LLC

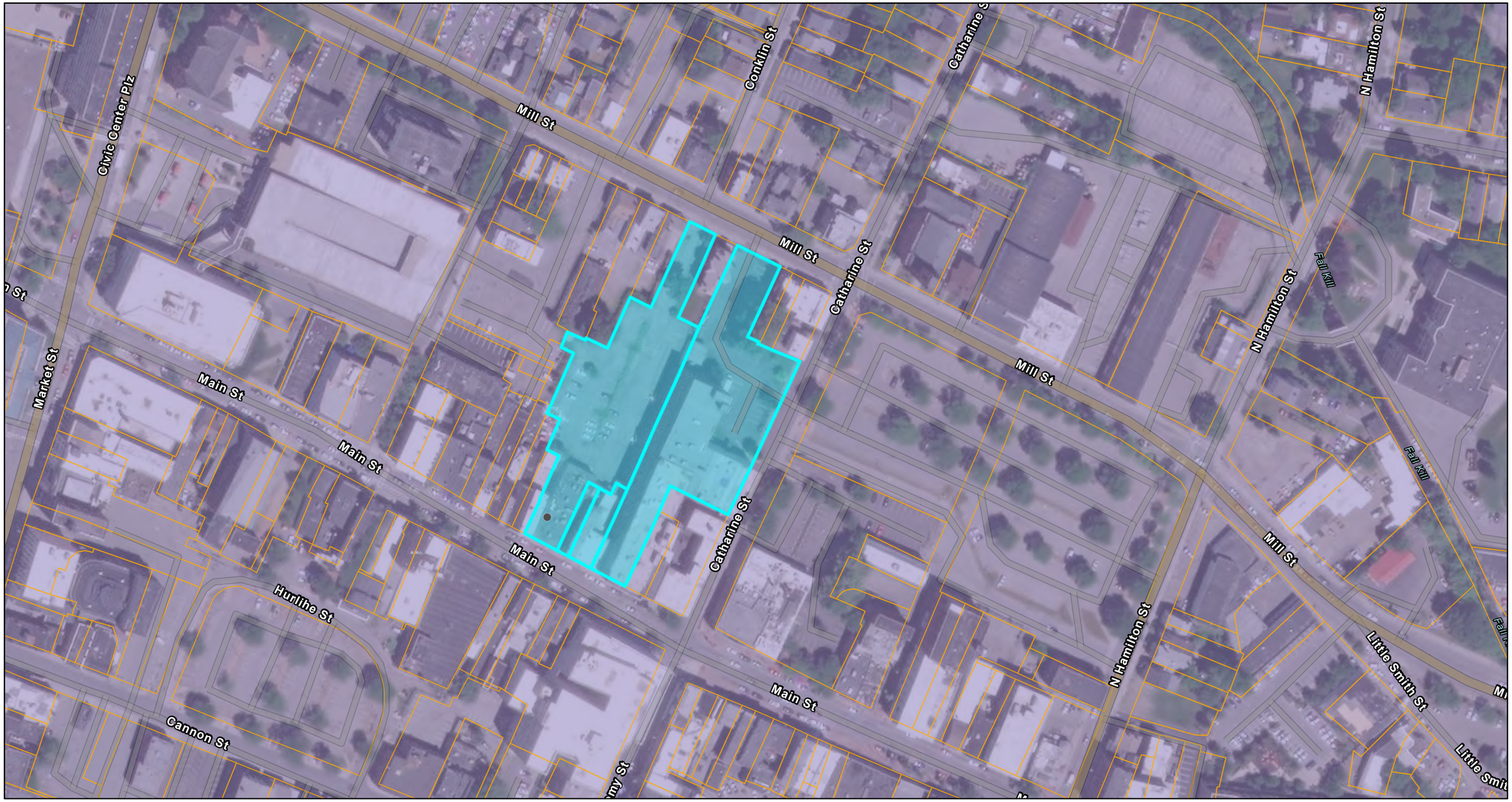
WALLACE CAMPUS
CITY OF POUGHKEEPSIE, DUTCHESS COUNTY, NEW YORK

| Design/Calcs | Approved |
|---|---|
| Date 02-22-21 | Scale 1"=30' |
| Project No. 20-2548 | |
| CAD File | PXR20254801.dwg |
| Sheet No. | PD-2 |

# *Attachment C*

# *Poughkeepsie Natural Resource Inventory Maps*

# Poughkeepsie NRI Map - Geology & Soils




2/22/2021, 12:08:14 PM

City of Poughkeepsie Boundary

Parcel Boundaries

Soils

Bedrock Geology

Graywacke, shale (Oag)

1:2,257

0 0.02 0.04 0.08 mi

0 0.03 0.07 0.13 km

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Applicant

# Poughkeepsie NRI Map - Habitats




2/22/2021, 12:16:28 PM

Parcel Boundaries

City of Poughkeepsie Boundary

Wetlands

Hudsonia Surface Water

Hudsonia Streams

Perennial Stream or Not Classified

Hudsonia Habitats

Developed

Cultural

Stream

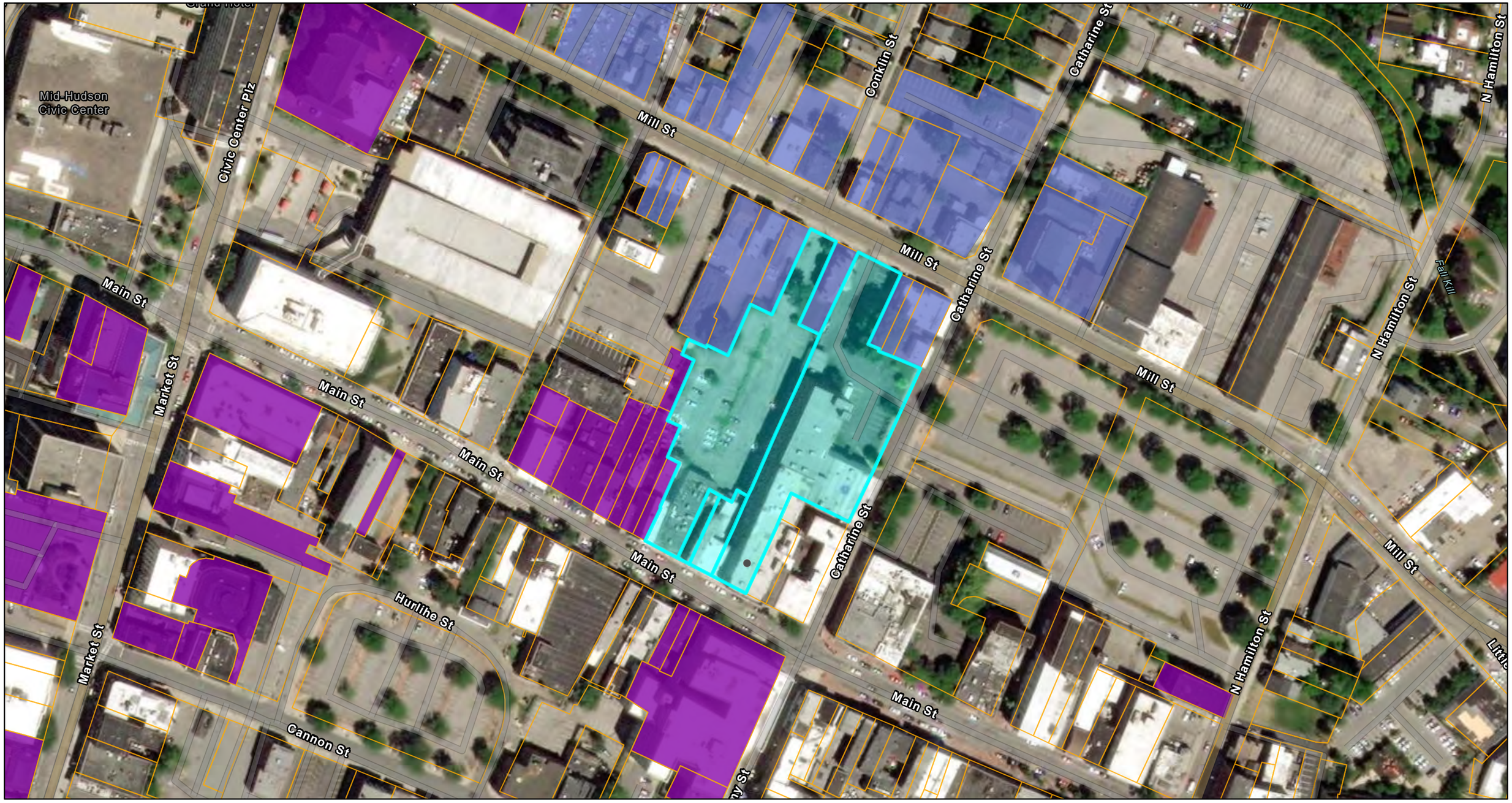
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Esri Community Maps Contributors, BuildingFootprintUSA, Esri, HERE, Garmin, SafeGraph, INCREMENT P, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, New York State, GeoEye, Maxar, Microsoft

# Poughkeepsie NRI Map - Historic Resources




2/22/2021, 12:20:47 PM

Parcel Boundaries

City of Poughkeepsie Boundary

Historic Sites

Historic Districts

Upper Mill Street Historic District

1:2,257

0 0.02 0.04 0.08 mi

0 0.03 0.07 0.13 km

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# Poughkeepsie NRI Map - Land Use




2/22/2021, 12:19:27 PM

City of Poughkeepsie Boundary

Poughkeepsie_Parcels_LandCoverCategories

- Commercial
- Community Services
- Recreation and Entertainment
- Residential
- Vacant Land
- Water

1:2,257

0 0.02 0.04 0.08 mi

0 0.03 0.07 0.13 km

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Applicant

# Poughkeepsie NRI Map - Recreational Resources




2/22/2021, 12:22:51 PM

Parcel Boundaries

City of Poughkeepsie Boundary

Recreational Features

Flower Garden

Parks and Open Spaces

1:2,257

0 0.02 0.04 0.08 mi

0 0.03 0.07 0.13 km

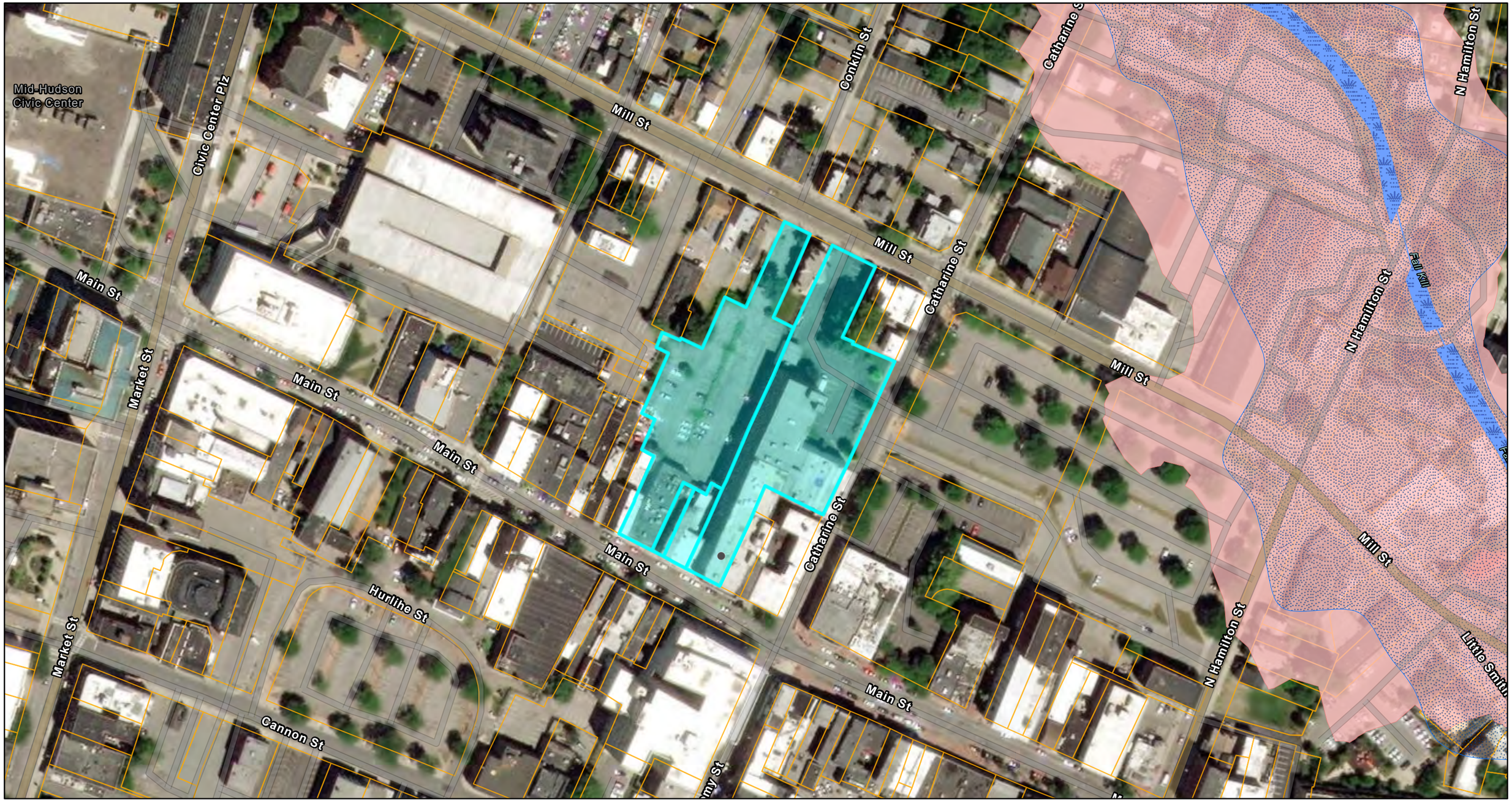
Esri Community Maps Contributors, BuildingFootprintUSA, Esri, HERE, Garmin, SafeGraph, INCREMENT P, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, New York State, GeoEye, Maxar, Microsoft

Applicant



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# Poughkeepsie NRI Map - Water Resources




2/22/2021, 12:18:05 PM

Parcel Boundaries

City of Poughkeepsie Boundary

Wetlands

Surface Water

Streams

Perennial Stream or Not Classified

Riparian Buffers

Flood Hazard Areas

1:2,257

0 0.02 0.04 0.08 mi

0 0.03 0.07 0.13 km

Esri Community Maps Contributors, BuildingFootprintUSA, Esri, HERE, Garmin, SafeGraph, INCREMENT P, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, New York State, GeoEye, Maxar, Microsoft

# *Attachment D*

# *Soil Survey*

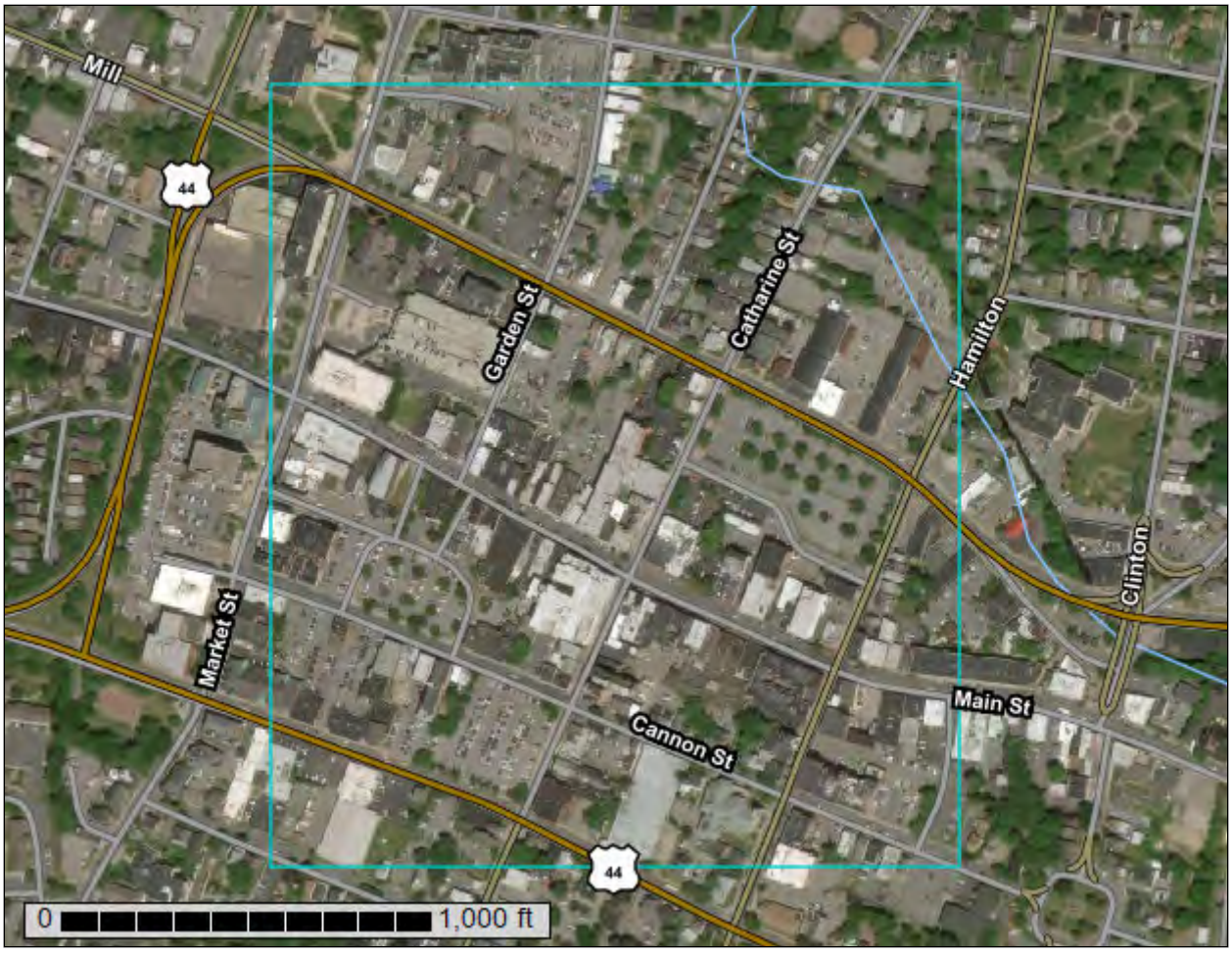
United States Department of Agriculture

NRCS

Natural Resources Conservation Service

A product of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local participants

# Custom Soil Resource Report for Dutchess County, New York



# Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (https://offices.sc.egov.usda.gov/locator/app?agency=nrcs) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

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# How Soil Surveys Are Made

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil

scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

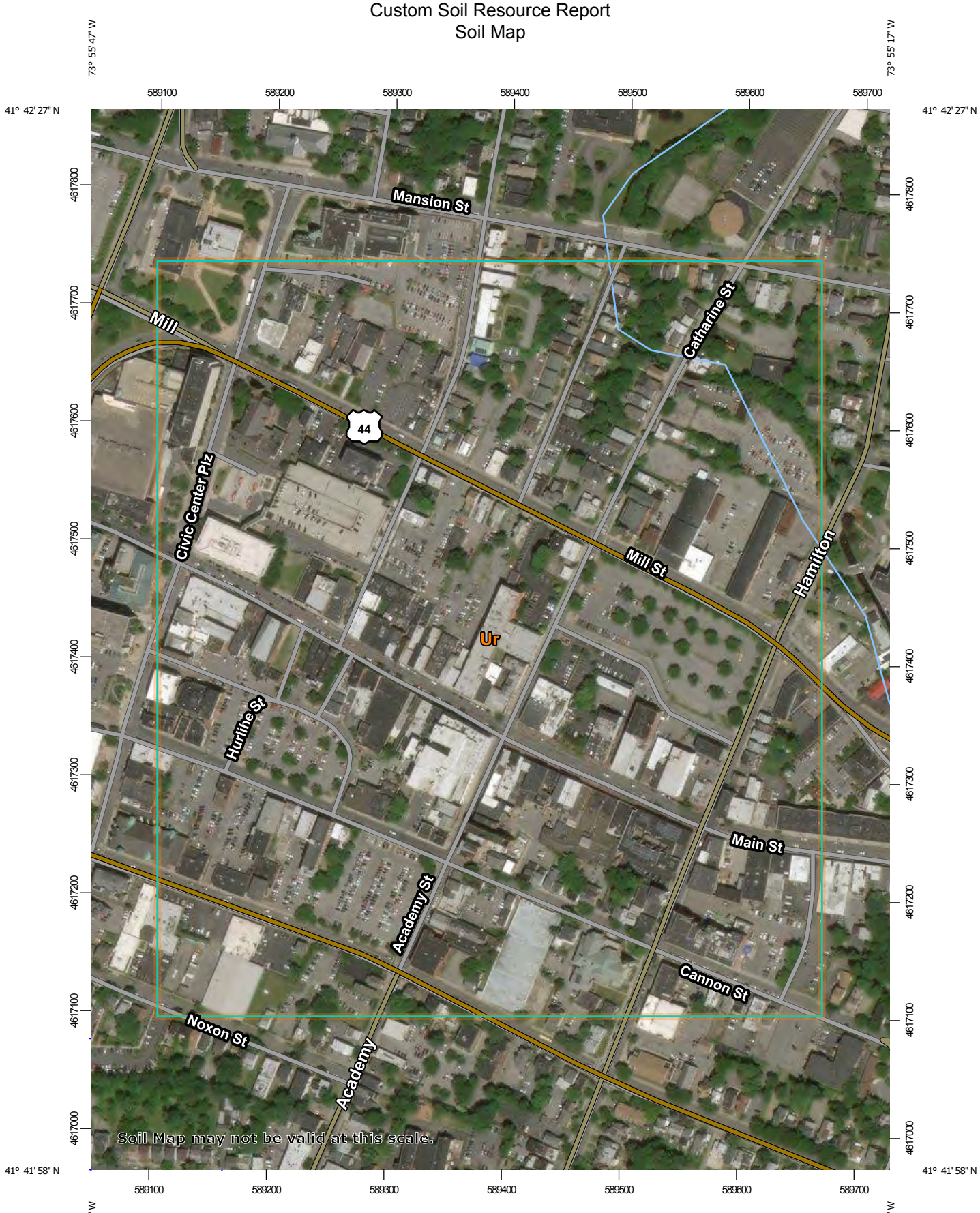
Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and

identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

# Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.




Map Scale: 1:4,380 if printed on A portrait (8.5" x 11") sheet.

N

Meters: 0 50 100 200 300

Feet: 0 200 400 800 1200

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 18N WGS84

## MAP LEGEND

**Area of Interest (AOI)**
- Area of Interest (AOI)

**Soils**
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

**Special Point Features**
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

**Water Features**
- Streams and Canals

**Transportation**
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

**Background**
- Aerial Photography

## MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Dutchess County, New York
Survey Area Data: Version 17, Jun 11, 2020

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Oct 7, 2013—Feb 26, 2017

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

# Map Unit Legend

| Map Unit Symbol | Map Unit Name | Acres in AOI | Percent of AOI |
|---|---|---|---|
| Ur | Urban land | 89.8 | 100.0% |
| **Totals for Area of Interest** | | **89.8** | **100.0%** |

# Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

# Dutchess County, New York

## Ur—Urban land

### Map Unit Setting

*National map unit symbol:* 9rjb
*Mean annual precipitation:* 41 to 47 inches
*Mean annual air temperature:* 45 to 50 degrees F
*Frost-free period:* 115 to 195 days
*Farmland classification:* Not prime farmland

### Map Unit Composition

*Urban land:* 90 percent
*Minor components:* 10 percent
*Estimates are based on observations, descriptions, and transects of the mapunit.*

### Description of Urban Land

#### Typical profile

*H1 - 0 to 6 inches:* variable

#### Interpretive groups

*Land capability classification (irrigated):* None specified
*Land capability classification (nonirrigated):* 8s
*Hydric soil rating:* Unranked

### Minor Components

#### Udorthents, smoothed

*Percent of map unit:* 5 percent
*Hydric soil rating:* No

#### Udorthents, wet substratum

*Percent of map unit:* 3 percent
*Hydric soil rating:* No

#### Unnamed soils, undisturbed

*Percent of map unit:* 1 percent
*Hydric soil rating:* Unranked

#### Rock outcrop

*Percent of map unit:* 1 percent
*Hydric soil rating:* Unranked

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# *Attachment E*

# *Parking and Traffic Analysis*

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February 27, 2020

**VIA E-MAIL**

Emanuel Kokinakis
Wallace Campus Manager LLC
48-02 25th Avenue, Suite 400
Astoria NY, 11103

Re: Wallace Campus Development
Mill Street & Main Street at Catharine Street
City of Poughkeepsie, Dutchess County, New York
MC Project No. 20003474A

Dear Mr. Kokinakis:

This report, originally submitted in November 2020, has been revised to reflect modifications to the proposed development plan for the proposed Wallace Campus Development, including the elimination of the proposed 7th story from the Catharine Street Building, the reduction in size and depth of the tiered seating area within the Wallace Green, enhancements to the pedestrian circulation throughout the site, and modifications to the parking layout and vehicle/pedestrian circulation through the parking area. Revisions have also been made in response to comments from the City of Poughkeepsie Planning Board, staff and consultants.

This report analyzes the parking, traffic and access related impacts of the Wallace Campus development. Elements of the report relating to parking include (1) a study of parking generation for all uses in the Project; (2) a Shared Parking Study which discusses the relationship of the Project Site with adjoining lots, the feasibility of shared parking, the overall parking demand of the project, including peak demands of the various uses, and the traffic load for all uses that might share spaces, and (3) a Study addressing the factors relating to a request for parking waivers and fee-in-lieu of parking, and discussing constraints of parking availability on the Project Site and the availability of sufficient parking in proximate municipal parking facilities.

## PROJECT DESCRIPTION

Wallace Campus is a proposed mixed-use development located on properties on the west side of Catharine Street between Mill Street (U.S. Route 44/NYS Route 55) and Main Street in the City of Poughkeepsie, Dutchess County, New York. The Site, which falls within the Poughkeepsie Innovation District Historic Core (PID-HC) and Urban Village (PID -UV) subdistricts, is currently underutilized and features large expanses of unused blacktopped parking. The former Wallace Department store at 331 Main Street, is proposed to remain and be adaptively repurposed. Proposed new buildings include a new 7-story building on Main Street ("the Main Street

Building") to the west of the Wallace building and a new 6-story building ("the Catharine Street Building"), reduced in height from the previously proposed 7-stories, fronting on Catharine Street immediately north of the 3-story portion of the 331 Main Street building ("the Wallace building extension).

The proposed development will consist of 214 mixed income affordable housing units, a 10,197 sq. ft. daycare facility, an approximately 29,000 sq. ft. community fitness center/climbing gym, 6,416 sq. ft of retail/commercial space and an approximately 1-acre privately owned, but publicly accessible green space ("Wallace Green"). The daycare facility is located within the Catharine Street Building and the retail/commercial space is split between the Wallace Building (3,085 sq. ft.) and the Main Street Building (3,331 sq. ft.). The Wallace Green will include an approximately 1,250 sq. ft. tiered seating area to be located at the south end of the Wallace Green (back of the 7-story Main Street Building). This seating area has been materially reduced in size in response to comments from the City consultants. It no longer extends a full story below grade and is no longer accompanied by backstage accommodations which were previously proposed within the basement of the Wallace Building. The overall size of the seating area and the number of tiers has also been reduced. The Wallace Green will be open seven days a week during daylight hours and is geared towards daily use by pedestrians in the area who live and/or work in downtown Poughkeepsie. The tiered seating, like other areas of the Green, will primarily be used as a sitting area and small gathering space for residents of the Wallace Campus project, and by Poughkeepsie residents and visitors who are enjoying the public park area during open hours. This smaller tiered seating area will also allow for occasional small performances and community gatherings, which could include spoken word poetry, dance and acoustic music performances. Any use of this space for events is clearly secondary to its primary function as a flexible and informal gathering space for residents and green space for visitors. Use of the seating areas for all purposes is also expected to be seasonal in view of its outdoor nature.

During the review process the layout of pedestrian and parking circulation has also been improved. The Site now includes the Wallace Green Walkway, which creates a full mid-block pedestrian connection between Main Street and Mill Street, arriving at Mill Street close to the intersection with Conklin. The parking areas within the Site now provide better internal circulation, with the cooperation in shared parking and circulation with four (4) adjoining parcels. The Wallace Campus development will be provided a total of 62 parking spaces. This overall parking count will include the parking spaces on lands outside the Wallace Campus consolidated parcel on the 302, 304, and 306 Mill Street lots and on the Hudson River Housing (HRH) lot (310 Mill Street), including 12 spaces that will be designated for the use of the 302, 304 and 306 Mill Street residential buildings as well as six (6) parking spaces located on the Wallace Campus property that will be designated for dedicated use as HRH employee parking Weekdays between the hours of 8 AM and 6 PM. The Shared Parking agreements among the property owners will also provide for easements to create a consolidation of ingress and egress to the Mill Street properties through the Wallace Campus, thus eliminating two existing driveway curb cuts to Mill Street and providing for additional greenspace and landscaping along the Mill Street frontage.

The following provides a detailed description of the existing and future parking conditions on and in the vicinity of the Site as well as a review of the proposed Site access conditions, on-site circulation and a review of potential traffic impacts.

## EXISTING PARKING CONDITIONS

PID Zoning provisions require consideration of features of the Project Site itself, as well as parking conditions on nearby properties, including municipal parking facilities in the area. In order to determine the existing parking conditions in the vicinity of the proposed development, the ***Poughkeepsie Downtown Parking Improvement Plan – Assessment of Existing Conditions and Demand***, prepared by Nelson Nygaard dated February 2018 was referenced. The current COVID-19 pandemic has resulted in significant variations in traffic and parking conditions and any observations conducted under current conditions would not be considered representative of typical conditions. Therefore, the Poughkeepsie Downtown Parking Improvement Plan is the best source of available parking utilization and capacity data for the vicinity of the Site at this time. Note that the proposed parking study area includes all publicly available parking as required by the City Code in Section 19-3.37.(13).(f).

A review of this study and the available public parking in the vicinity of the Site indicates the following:

- There are four (4) public pay parking lots located within a 600 ft. radius of the Site totaling 980 parking spaces. These lots include:
  - Crannell surface parking lot located along Mill Street between Catharine Street and N. Hamilton Street – 340 parking spaces
  - Garden Street surface parking lot located immediately west of the Wallace Campus & 302 Mill Street properties – 90 parking spaces
  - Financial Plaza Parking Garage – 550 parking spaces (access to this parking garage is provided via Civic Center Plaza and Garden Street)
  - Conklin Street surface parking lot located opposite the 302 Mill Street property (north side of Mill Street) – 32 parking spaces.
- On-street metered, and free parking is also available within a 600 ft. radius of the Site totaling 130 parking spaces. These on-street parking areas include
  - Main Street on-street parking – 101 metered pay parking spaces Monday to Friday 8AM-6PM plus 3 additional short-term free parking spaces.

Based on the above there are a total of approximately 1,116 public pay and limited short term free parking spaces within a 600 ft. radius of the Site. Additional on-street parking is also available along Catharine Street north of Mill Street and south of Mill Street, along Conklin Street and along Garden Street totaling approximately 29 additional parking spaces, however due to the sporadic locations and the limited availability of these spaces as indicated and Poughkeepsie Downtown Parking Improvement Plan study, these 29 spaces have not been considered in the parking analysis.

A further review of the Poughkeepsie Downtown Parking Improvement Plan study provides additional information relative to the parking utilization for the public parking in the vicinity of the Site. Below is a table summarizing the parking utilization rates for each of the identified parking areas based on the Poughkeepsie Downtown Parking Improvement Plan study.

**TABLE NO. 1**
**EXISTING PARKING UTILZIATION RANGE**
**WITHIN 600 FT. OF WALLACE CAMPUS DEVELOPMENT**

| PARKING LOT | PERCENTAGE PARKING UTILIZATION | | | | |
|---|---|---|---|---|---|
| | WEEKDAY | | | WEEKEND | |
| | 10AM – 12PM | 12PM – 2PM | 6PM – 8PM | 12PM – 2PM | 6PM – 8PM |
| **OFF-STREET PUBLIC PARKING SURFACE LOTS AND GARAGES** | | | | | |
| CRANNELL LOT | 0-30% | 0-30% | 0-30% | 0-30% | 0-30% |
| GARDEN STREET LOT | 30-60% | 30-60% | 0-30% | 0-30% | 0-30% |
| FINANCIAL PLAZA GARAGE | 60-80% | 60-80% | 0-30% | 0-30% | 0-30% |
| CONKLIN STREET LOT | 0-30% | 0-30% | 0-30% | 0-30% | 0-30% |
| **ON-STREET PARKING** | | | | | |
| MAIN STREET | 60-80% | 60-80% | 60-80% | 80-90% | 80-90% |

Utilizing the higher end of the range of parking utilization for each of the above lots during each time period, the below table summarizes the assumed occupied parking spaces during each time period and the total available parking spaces within 600 ft. of the proposed development. It should be noted that a portion the Crannell lot is proposed to be developed by the proposed Crannell Square development. This development will reduce the overall parking supply of this lot by approximately 162 parking spaces from 340 total spaces to 178± parking spaces. Furthermore, the Crannell Square development will include 30 parking spaces for the exclusive use of residents of that development, however the required parking for that development is a total of 45 spaces per the April 18, 2019 letter submitted by CPL to the Planning Board. This letter requested a waiver of 15 spaces for the Crannell Square development, which would need to be accommodated within the available public parking in the area. To account for this, it is assumed that the available parking in the reduced Crannell lot would accommodate these 15 spaces, which would further reduce the future available parking supply within the Crannell lot.

**TABLE NO. 2**
**EXISTING PARKING UTILZIATION**
**WITHIN 600 FT. OF WALLACE CAMPUS DEVELOPMENT**

| PARKING LOT | TOTAL PARKING SPACES | OCCUPIED PARKING SPACES | | | | |
|---|---|---|---|---|---|---|
| | | WEEKDAY | | | WEEKEND | |
| | | 10AM – 12PM | 12PM – 2PM | 6PM – 8PM | 12PM – 2PM | 6PM – 8PM |
| **OFF-STREET PUBLIC PARKING SURFACE LOTS AND GARAGES** | | | | | | |
| CRANNELL LOT[1] | 178 | 117 | 117 | 117 | 117 | 117 |
| GARDEN STREET LOT | 90 | 54 | 54 | 54 | 54 | 54 |
| FINANCIAL PLAZA GARAGE | 550 | 440 | 440 | 132 | 132 | 132 |
| CONKLIN STREET LOT | 32 | 10 | 10 | 10 | 10 | 10 |
| **ON-STREET PARKING** | | | | | | |
| MAIN STREET | 101 | 81 | 81 | 81 | 91 | 91 |
| TOTAL OCCUPIED PARKING SPACES | | 702 | 702 | 394 | 404 | 404 |
| TOTAL AVAILABLE PARKING SPACES | | 249 | 249 | 557 | 547 | 547 |

**NOTE:**
1) CRANNELL LOT CALCULATION OF OCCUPIED SPACES IS BASED ON 30% OCCUPANCY OF EXISTING 340 SPACE LOT DURING EACH TIME PERIOD PER THE POUGHKEEPSIE DOWNTOWN PARKING IMPROVEMENT PLAN WHICH EQUALS 102 SPACES. 15 SPACES ARE THEN ASSUMED TO ALSO BE OCCUPIED FOR THE EXCESS PARKING TO BE ACCMMODATED FOR THE PROPSED CANNELL SQUARE DEVELOPMENT.

It should be noted that utilizing the available data from the Poughkeepsie Downtown Parking Improvement Plan study, as indicated above, the peak parking utilization for the 600 ft. radius area around the Site is approximately 62%. However, the Poughkeepsie Downtown Parking Improvement Plan study indicates that the peak parking utilization for the overall study area for that study is between 50%-55%. Therefore, it is our opinion that the total available parking spaces identified above are somewhat conservative and account for increases in parking demand since the time of that study as well as additional occupancies of unoccupied spaces that may have occurred since the data was collected in 2017/2018.

## PROPOSED DEVELOPMENT PARKING DEMAND

The Poughkeepsie Innovation District (PID) rezoning outlines parking requirements for residential and commercial developments. The PID zoning also recognizes the availability of underutilized surplus parking in the PID downtown area. Table No. 3 below identifies the required parking per the City of Poughkeepsie Zoning requirements for the PID Zone (Section 19-3.37.(13)) for the Wallace Campus development. It is noted that the City Code does not provide parking standards for the Daycare or Community Fitness Center/Climbing Gym uses within the PID Zone, therefore the below table identifies recommended parking requirements based on other available data, which is discussed further below.

**TABLE NO. 3**
**CODE REQUIRED PARKING SUMMARY**

| BUILDING | PROPOSED USES | SIZE | ZONE | CODE REQUIRED PARKING RATIO | REQUIRED SPACES |
|---|---|---|---|---|---|
| MAIN STREET BUILDING | RESIDENTIAL (87 UNITS TOTAL) | 23 UNITS | PID-HC | 0 SPACES/UNIT | 0 |
| | | 64 UNITS | PID-UV | 0.5 SPACES/UNIT | 32 |
| | | | | 1 VISITOR SPACE/10 UNITS | 7 |
| | RETAIL | 3,331 SQ. FT. | PID-UV | 0 SPACES/SQ. FT. | 0 |
| CATHARINE STREET BUILDING | RESIDENTIAL | 60 UNITS | PID-HC | 0 SPACES/UNIT | 0 |
| | DAYCARE | 10,197 SQ. FT/ 7 CLASSROOMS. | | 1 SPACE PER CLASSROOM (1) | 7 |
| WALLACE BUILDING | RESIDENTIAL | 67 UNITS | PID-HC | 0 SPACES/UNIT | 0 |
| | RETAIL | 3,085 SQ. FT. | | 0 SPACES/SQ. FT. | 0 |
| | FITNESS CENTER | 29,000 SQ. FT. | | 0.96 SPACES/1,000 SQ. FT. (1) | 28 |
| | | | | **TOTAL** | **74** |

**NOTES:**
1) THE CITY OF POUGHKEEPSIE ZONING CODE DOES NOT IDENTIFY SPECIFIC PARKING REQUIREMENTS FOR DAYCARE AND FITNESS CENTER USES WITHIN THE PID-HC ZONE. PARKING NEEDS FOR THESE USES ARE DISCUSSED FURTHER BELOW.

As indicated above, the City of Poughkeepsie Zoning Code does not identify specific parking space requirements for the Daycare or Community Fitness Center/Climbing Gym within the PID Zone. For these uses an appropriate parking demand requirement is to be determined by the Planning Board during the Site Plan review. As part of our parking analysis we provide the following information related to the determination of appropriate parking requirements for these uses.

- ***Daycare:*** It is noted that the City of Poughkeepsie Zoning Code General Parking Standards (Section 19-4.3) does identify a parking requirement for Daycare uses under the general zoning standards which requires one (1) space per daycare staff member and one (1) space per classroom. The daycare will provide seven (7) classrooms, however since the operator of this facility is not currently known, the number of employees cannot be determined, however it is anticipated that a minimum of one employee per classroom would be required, which would equate to a minimum of 14 parking spaces required for the facility based on the City's general parking standards. However, these general parking standards for daycare uses it do not account for the characteristics of the PID zone in which personal vehicle usage is known to be lower than other areas of the City. Based on information provided in the ***Poughkeepsie Downtown Parking Improvement Plan – Analysis of Further Parking Demand*** prepared by Nelson Nygaard dated April 2018 a 30% internal capture credit was identified Poughkeepsie Downtown area. Furthermore, a multi-modal trip credit of 35% was identified based on census data which indicates that 37% of households within the study area do not have access to a personal vehicle. If these same credits were applied to the City's general parking standards for a daycare use in order to account for internal capture and multi-modal use within the PID zone the total parking demand would be reduced to 7 parking spaces.

  Furthermore, data published by Institute of Transportation Engineers (ITE) in their publication entitled ***Parking Generation Manual***, 5th Edition dated January 2019. provides parking data for daycare facilities in Dense Multi-Use Urban areas similar to the site location area. The ITE data identifies a parking ratio of 1.18 spaces per 1,000 sq. ft. equating to 13 parking spaces for the daycare facility. Applying similar credits for internal capture and multi-modal use within the PID Zone, the total parking demand would be reduced to 6 parking spaces. Based on this information, it is the opinion of Maser Consulting that a parking requirement of 1 space per classroom equating to seven total spaces for the proposed daycare is appropriate for use in determining the overall parking requirements for the Wallace Campus development, given the Site's location.

- ***Community Fitness Center/Climbing Gym:*** The City of Poughkeepsie Zoning Code General Parking Standard does not provide parking requirements for this use. The nearest use in the Zoning Code is for indoor/outdoor tennis facilities and racquet facilities/similar court games, however these do not accurately represent the proposed community fitness center/climbing gym use. Therefore, ITE data was referenced in order to identify an appropriate parking supply ratio for the proposed Community Fitness Center/Climbing Gym. Based on a review of the ITE data and the anticipated proposed use of the space, it is the opinion of Maser Consulting that ITE Land Use Category – 495 – Community Recreational Center provides the data most comparable to the proposed use.

  This use identifies an average parking demand ratio of 2.07 spaces per 1,000 sq. ft., which would equate to 60 required parking spaces. However, the ITE data is for a General Urban/Suburban location, which is not typically representative of the downtown urban location of the proposed Wallace Campus development. Therefore, utilizing the same

internal capture and multi-modal trip credits as identified in the Nelson Nygaard study, the total parking demand for this use would be reduced to 28 parking spaces or 0.97 spaces per 1,000 sq. ft. It should be noted that this reduced parking ratio for this use is further supported by the anticipated usage of the Community Fitness Center/Climbing Gym facility by the residents of the Wallace Campus development who will be permitted access to the facility for a reduced fee compared with the general public.

It should also be noted that the Zoning Code does not attribute a parking demand to publicly accessible private Greenspace such as the Wallace Green or to seating areas within such a passive space. Based on the anticipated use of this space as a passive park, it is the opinion of Maser Consulting that this space will not generate any additional parking demand, but rather will draw people who are already within the proposed development and immediate surrounding neighborhood to utilize the space.

**SHARED PARKING ANALYSIS**

Part of the project proposal includes upgrading the parking areas, which have been located on the property for many years and consolidating access points along the Mill Street frontage. Both purposes are served by proposals for shared parking with four (4) immediately abutting lots. These shared parking agreements, in addition to providing for shared parking, allow the consolidating of entry points from Mill Street for the 302, 304 & 306 Mill Street parcels, and eliminating two narrow driveway curb cuts, creating better access through existing larger driveways allowing safe access to on-site parking. The three Mill Street parcels require 12 parking spaces, as determined in the 2020 Site Plan approvals for those parcels and associated Shared Parking agreement among the three parcels to allow tenants of any of the buildings to park in any of the spaces provided. The 12 required parking spaces for the 302, 304 and 306 Mill Street residential uses are proposed to become part of the Wallace Campus parking lot through a shared parking agreement and easements, which provides better overall circulation and access to the parking spaces. The consolidation of the entrances on Mill Street allows the driveways from Mill Street to the 302, 304 & 306 Mill Street properties to also return to grassed/landscaped area. Together with the 74 parking spaces required for the Wallace Campus development, as identified in Table No. 3 above, the total parking demand for the proposed development and the 302, 304 and 306 Mill Street properties is 86 parking spaces.

The Shared Parking agreement with the adjacent HRH property substantially improves the conditions for the HRH parcel. This lot presently has no legal access to parking in the rear of the lot, and the rear of the lot is not conducive to efficient parking layout. The Shared Parking/Access agreement with Wallace Campus Manager LLC will provide HRH with lawful access to the rear of its property and to and from Mill Street through the Wallace Campus Drives. The Wallace consolidated lot will provide HRH with six (6) reserved parking spaces on the Wallace Property during weekday office hours only (8 AM to 6 PM) for employee and client parking. These spaces would be available to Wallace Campus residents and visitors for parking outside these hours. The total parking demand for the development during these office hours is 92 parking spaces.

The City of Poughkeepsie PID Zoning provisions also allow for a reduction of these parking requirements by up to 40% based on a joint use of parking between or among participants in the shared parking arrangement located within 600 feet of each other, when the Planning Board, in its sole discretion, determines that the shared use of the parking will be in the best interest and welfare of the City and its residents. Section 19-3.37 (13) (f) provides that off-street parking requirements may be met with off-site, shared off-street parking or on-site parking shared by more than one tenant.

In order to identify the potential for shared parking amongst the proposed uses on the Site and the adjoining lots, a shared parking analysis was conducted based on data provided by the Institute of Transportation Engineers (ITE) in their publication entitled ***Parking Generation Manual***, 5th Edition dated January 2019 as well as the Urban Land Institutes publication entitled ***Shared Parking***, 3rd Edition dated 2020. This analysis utilizes the City of Poughkeepsie Code parking requirements as well as those identified for the Daycare and Community Fitness Center/Climbing Gym as identified in Table No. 3 above. The ITE and ULI data was then utilized to determine hourly variations in parking utilization for each of the proposed uses in order to generate an overall hourly parking demand for the development. This shared parking analysis is summarized below in Table No. 4 for a typical Weekday and Table No. 5 for a Weekend.

The shared parking analysis identified in Tables No. 4 and 5 below provides that the 12 parking spaces for the 302, 304 and 306 Mill Street properties are fully reserved for those properties and therefore cannot be utilized for shared parking. Similarly, the 6 reserved spaces for the HRH property are assumed to be fully occupied during the hours of 8 AM to 6 PM on Weekdays and therefore not utilized for shared parking during these hours. Finally, the two reserved Daycare drop-off/pick-up spaces are assumed to be fully occupied during the hours of 6 AM and 8 PM on Weekdays and therefore are not available for shared parking during these hours. In addition, it assumed that these 2 spaces are required for the daycare use in addition to the 7 spaces identified to be required for the daycare in Table No. 3 above.

**TABLE NO. 4**

**WEEKDAY SHARED PARKING ANALYSIS**
**WALLACE CAMPUS DEVELOPMENT**
**CITY OF POUGHKEEPSIE CODE PARKING REQUIREMENTS**

| USE | RESIDENTIAL (AFFORDABLE HOUSING) | | COMMUNITY FITNESS CENTER | | COMMERCIAL SPACE | | DAYCARE CENTER[2] | | 302-306 MILL STREET RESIDENTIAL[3] | | HUDSON RIVER HOUSING[3] | | TOTAL PEAK PARKING DEMAND PER HOUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SIZE | 214 UNITS | | 29,000 SQ. FT. | | 6,416 SQ. FT. | | 7 CLASSROOMS | | N/A | | N/A | | |
| REQUIRED PARKING SPACES[1] | 39 SPACES | | 28 SPACES | | 0 SPACES | | 7 SPACES | | 12 RESERVED SPACES | | 6 RESERVED SPACES | | |
| TIME OF DAY | % OF PEAK | PARKG. SPACES | % OF PEAK | PARKG. SPACES | % OF PEAK | PARKG. SPACES | % OF PEAK | PARKG. SPACES | % OF PEAK | PARKG. SPACES | % OF PEAK | PARKG. SPACES | |
| 12:00-1:00am | 100 | 39 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 12 | 0 | 0 | 51 |
| 1:00-2:00 | 100 | 39 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 12 | 0 | 0 | 51 |
| 2:00-3:00 | 100 | 39 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 12 | 0 | 0 | 51 |
| 3:00-4:00 | 100 | 39 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 12 | 0 | 0 | 51 |
| 4:00-5:00 | 100 | 39 | 10 | 3 | 0 | 0 | 0 | 0 | 100 | 12 | 0 | 0 | 54 |
| 5:00-6:00 | 100 | 39 | 45 | 13 | 0 | 0 | 0 | 0 | 100 | 12 | 0 | 0 | 64 |
| 6:00-7:00 | 95 | 38 | 50 | 14 | 5 | 0 | 50 | 6 | 100 | 12 | 0 | 0 | 70 |
| 7:00-8:00 | 85 | 34 | 60 | 17 | 10 | 0 | 75 | 8 | 100 | 12 | 0 | 0 | 71 |
| 8:00-9:00 | 75 | 30 | 70 | 20 | 15 | 0 | 90 | 9 | 100 | 12 | 100 | 6 | 77 |
| 9:00-10:00 | 65 | 26 | 95 | 27 | 35 | 0 | 90 | 9 | 100 | 12 | 100 | 6 | 80 |
| 10:00-11:00 | 60 | 24 | 95 | 27 | 65 | 0 | 90 | 9 | 100 | 12 | 100 | 6 | 78 |
| 11:00-12:00 | 55 | 22 | 95 | 27 | 85 | 0 | 90 | 9 | 100 | 12 | 100 | 6 | 76 |
| 12:00-1:00pm | 50 | 20 | 85 | 24 | 95 | 0 | 90 | 9 | 100 | 12 | 100 | 6 | 71 |
| 1:00-2:00 | 50 | 20 | 65 | 19 | 100 | 0 | 90 | 9 | 100 | 12 | 100 | 6 | 66 |
| 2:00-3:00 | 50 | 20 | 55 | 16 | 95 | 0 | 100 | 9 | 100 | 12 | 100 | 6 | 63 |
| 3:00-4:00 | 55 | 22 | 65 | 19 | 90 | 0 | 100 | 9 | 100 | 12 | 100 | 6 | 68 |
| 4:00-5:00 | 60 | 24 | 75 | 21 | 90 | 0 | 100 | 9 | 100 | 12 | 100 | 6 | 72 |
| 5:00-6:00 | 65 | 26 | 85 | 24 | 95 | 0 | 100 | 9 | 100 | 12 | 100 | 6 | 77 |
| 6:00-7:00 | 70 | 28 | 100 | 28 | 95 | 0 | 60 | 7 | 100 | 12 | 0 | 0 | 75 |
| 7:00-8:00 | 75 | 30 | 90 | 26 | 95 | 0 | 40 | 5 | 100 | 12 | 0 | 0 | 73 |
| 8:00-9:00 | 80 | 32 | 70 | 20 | 80 | 0 | 10 | 1 | 100 | 12 | 0 | 0 | 65 |
| 9:00-10:00 | 85 | 34 | 50 | 14 | 50 | 0 | 0 | 0 | 100 | 12 | 0 | 0 | 60 |
| 10:00-11:00 | 95 | 38 | 10 | 3 | 30 | 0 | 0 | 0 | 100 | 12 | 0 | 0 | 53 |
| 11:00-12:00 | 97 | 38 | 0 | 0 | 10 | 0 | 0 | 0 | 100 | 12 | 0 | 0 | 50 |
| | | | | | | | | | | | PEAK PARKING DEMAND | | 80 |

NOTES:

1) DEMAND FACTORS AND HOURLY DEMAND DISTRIBUTIONS ARE BASED ON CITY OF POUGHKEEPSIE CODE REQUIREMNTS AND DATA PROVIDED BY THE INSTITUTE OF TRANSPORTATION ENGINEERS (ITE) IN THEIR PUBLICATION ENTITLED PARKING GENERATION MANUAL, 5TH EDITION DATED JANUARY 2019 AS WELL AS THE URBAN LAND INSTITUTES PUBLICATION ENTITLED SHARED PARKING, 3RD EDITION DATED

2) THE DAYCARE CENTER PARKING INCLUDES TWO (2) RESERVED DROP-OFF/PICK-UP PARKING SPACES THAT WILL BE EXLUSIVELY FOR THE DAYCARE USE DURING WEEKDAYS (6AM TO 8PM) AND THEREFORE WILL NOT BE AVAILABLE FOR SHARED PARKING. THESE TWO (2) SPACES HAVE BEEN ADDED TO THE HOURLY REQUIRED PARKING DEMAND FOR THE DAYCARE IN THE ABOVE TABLE AND ARE ASSUMED TO BE IN ADDITION TO THE SEVEN SPACES REQUIRED FOR THIS USE AS IDENTIFIED IN TABLE NO. 3.

3) THE MILL STREET PROPERTIES WILL BE PROVIDED 12 RESERVED PARKING SPACES WITHIN THE WALLACE CAMPUS PARKING AREA. THESE 12 SPACES HAVE BEEN ASSUMED TO BE OCCUPIED AT ALL TIMES DURING THE DAY AND THEREFORE WILL NOT BE AVAILABLE FOR SHARED PARKING. SIMILARLY THE HUDSON RIVER HOUSING PROPERTY WILL BE PROVIDED SIX (6) RESERVED PARKING SPACES DURING WEEKDAY OFFICE HOURS (8AM TO 6PM) EXLCUSIVELY FOR EMPLOYEE AND CLIENT PARKING. THESE 6 PARKING SPACES HAVE BEEN ASSUMED TO BE OCCUPIED AT ALL TIMES DURING THESE WEEDKAY HOURS AND THEREFORE NOT AVAILABLE FOR SHARED PARKING DURING THESE TIMES.

**TABLE NO. 5**

**WEEKEND SHARED PARKING ANALYSIS**
**WALLACE CAMPUS DEVELOPMENT**
**CITY OF POUGHKEEPSIE CODE PARKING REQUIREMENTS**

| USE | RESIDENTIAL (AFFORDABLE HOUSING) | | COMMUNITY FITNESS CENTER | | COMMERCIAL SPACE | | DAYCARE CENTER[2] | | 302-306 MILL STREET RESIDENTIAL[3] | | HUDSON RIVER HOUSING[3] | | TOTAL PEAK PARKING DEMAND PER HOUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SIZE | 214 UNITS | | 29,000 SQ. FT. | | 6,416 SQ. FT. | | 7 CLASSROOMS | | N/A | | N/A | | |
| REQUIRED PARKING SPACES[1] | 39 SPACES | | 28 SPACES | | 0 SPACES | | 0 SPACES | | 12 RESERVED SPACES | | 0 RESERVED SPACES | | |
| TIME OF DAY | % OF PEAK | PARKG. SPACES | % OF PEAK | PARKG. SPACES | % OF PEAK | PARKG. SPACES | % OF PEAK | PARKG. SPACES | % OF PEAK | PARKG. SPACES | % OF PEAK | PARKG. SPACES | |
| 12:00-1:00am | 100 | 39 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 12 | 0 | 0 | 51 |
| 1:00-2:00 | 100 | 39 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 12 | 0 | 0 | 51 |
| 2:00-3:00 | 100 | 39 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 12 | 0 | 0 | 51 |
| 3:00-4:00 | 100 | 39 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 12 | 0 | 0 | 51 |
| 4:00-5:00 | 100 | 39 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 12 | 0 | 0 | 51 |
| 5:00-6:00 | 100 | 39 | 35 | 10 | 0 | 0 | 0 | 0 | 100 | 12 | 0 | 0 | 61 |
| 6:00-7:00 | 90 | 36 | 50 | 14 | 1 | 0 | 0 | 0 | 100 | 12 | 0 | 0 | 62 |
| 7:00-8:00 | 85 | 34 | 65 | 19 | 5 | 0 | 0 | 0 | 100 | 12 | 0 | 0 | 65 |
| 8:00-9:00 | 80 | 32 | 75 | 21 | 10 | 0 | 0 | 0 | 100 | 12 | 0 | 0 | 65 |
| 9:00-10:00 | 75 | 30 | 100 | 28 | 30 | 0 | 0 | 0 | 100 | 12 | 0 | 0 | 70 |
| 10:00-11:00 | 70 | 28 | 90 | 26 | 50 | 0 | 0 | 0 | 100 | 12 | 0 | 0 | 66 |
| 11:00-12:00 | 70 | 28 | 80 | 23 | 65 | 0 | 0 | 0 | 100 | 12 | 0 | 0 | 63 |
| 12:00-1:00pm | 70 | 28 | 70 | 20 | 80 | 0 | 0 | 0 | 100 | 12 | 0 | 0 | 60 |
| 1:00-2:00 | 70 | 28 | 60 | 17 | 90 | 0 | 0 | 0 | 100 | 12 | 0 | 0 | 57 |
| 2:00-3:00 | 65 | 26 | 60 | 17 | 100 | 0 | 0 | 0 | 100 | 12 | 0 | 0 | 55 |
| 3:00-4:00 | 55 | 22 | 50 | 14 | 100 | 0 | 0 | 0 | 100 | 12 | 0 | 0 | 48 |
| 4:00-5:00 | 60 | 24 | 50 | 14 | 95 | 0 | 0 | 0 | 100 | 12 | 0 | 0 | 50 |
| 5:00-6:00 | 55 | 22 | 50 | 14 | 90 | 0 | 0 | 0 | 100 | 12 | 0 | 0 | 48 |
| 6:00-7:00 | 50 | 20 | 50 | 14 | 80 | 0 | 0 | 0 | 100 | 12 | 0 | 0 | 46 |
| 7:00-8:00 | 55 | 22 | 50 | 14 | 75 | 0 | 0 | 0 | 100 | 12 | 0 | 0 | 48 |
| 8:00-9:00 | 65 | 26 | 30 | 9 | 65 | 0 | 0 | 0 | 100 | 12 | 0 | 0 | 47 |
| 9:00-10:00 | 75 | 30 | 10 | 3 | 50 | 0 | 0 | 0 | 100 | 12 | 0 | 0 | 45 |
| 10:00-11:00 | 85 | 34 | 0 | 0 | 35 | 0 | 0 | 0 | 100 | 12 | 0 | 0 | 46 |
| 11:00-12:00 | 90 | 36 | 0 | 0 | 15 | 0 | 0 | 0 | 100 | 12 | 0 | 0 | 48 |
| | | | | | | | | | | | PEAK PARKING DEMAND | | 70 |

NOTES:

1) DEMAND FACTORS AND HOURLY DEMAND DISTRIBUTIONS ARE BASED ON CITY OF POUGHKEEPSIE CODE REQUIREMNTS AND DATA PROVIDED BY THE INSTITUTE OF TRANSPORTATION ENGINEERS (ITE) IN THEIR PUBLICATION ENTITLED PARKING GENERATION MANUAL, 5TH EDITION DATED JANUARY 2019 AS WELL AS THE URBAN LAND INSTITUTES PUBLICATION ENTITLED SHARED PARKING, 3RD EDITION DATED

2) THE DAYCARE CENTER AS ASSUMED TO CLOSED DURING THE WEEKEND AND THEREFORE DOES NOT GENERATE ANY PARKING DEMAND.

3) THE MILL STREET PROPERTIES WILL BE PROVIDED 12 RESERVED PARKING SPACES WITHIN THE WALLACE CAMPUS PARKING AREA. THESE 12 SPACES HAVE BEEN ASSUMED TO BE OCCUPIED AT ALL TIMES DURING THE DAY AND THEREFORE WILL NOT BE AVAILABLE FOR SHARED PARKING. THE HUDSON RIVER HOUSING PROPERTY WILL ONLY BE PROVIDED SIX (6) RESERVED PARKING SPACES DURING WEEKDAY OFFICE HOURS (8AM TO 6PM) SINCE THIS SPACE IS CLOSED ON WEEKENDS, THEREFORE THESE 6 PARKING SPACES HAVE BEEN ASSUMED TO BE AVAILABLE FOR SHARED PARKING DURING THE WEEEKEND

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As identified by the shared parking analysis summarized in Tables No. 4 and 5 above and based on the zoning parking requirements for the Poughkeepsie Innovation District zone and the additional parking requirements for the Daycare and Community Fitness Center/Climbing Gym, the total parking demand for the development is reduced to 80 parking spaces on a Weekday and 70 parking spaces on a Weekend. These totals include those spaces reserved for the 302, 304, and 306 Mill Street properties, the HRH property and the reserved daycare drop-off spaces. Including these reserved spaces, the Wallace Campus Site proposes to provide 62 parking spaces, which leaves 18 parking spaces that would need to be accommodated by public parking in the vicinity of the Site under the waiver with fee-in-lieu provision of the PID Zoning District, Section 19-3.37 (13), (e).

The study has considered the constraints that prohibit the landowner from providing required parking on-site. The ability to locate parking on the site has been optimized by the arrangements and parking layout in cooperation with the Shared Parking agreement participants of the adjoining parcels. It has also considered the proximity of municipal parking facilities and the availability of sufficient parking in the identified municipal parking facilities. Based on the above analysis, Table No. 6 below provides a comparison of the peak parking demand of the development to the available parking spaces throughout the course of the day. This comparison indicates that there is sufficient public parking supply within 600 ft. of the site to accommodate the excess parking of the Wallace Campus development.

**TABLE NO. 6**
**EXISTING AND PROPOSED PUBLIC PARKING SUPPLY**
**WITHIN 600 FT. OF WALLACE CAMPUS DEVELOPMENT**

| TIME PERIOD | AVAILABLE PUBLIC PARKING SPACES | DEVELOPMENT PEAK PARKING DEMAND | AVAILABLE ON-SITE GENERAL USE PARKING SPACES | PARKING DEMAND TO BE ACCOMMODATED BY AREA PUBLIC PARKING | REMAINING AVAILABLE PUBLIC PARKING SPACES |
|---|---|---|---|---|---|
| **WEEKDAY** | | | | | |
| **10AM – 12PM** | 249 | 80 | 62 | 18 | 231 |
| **12PM – 2PM** | 249 | 71 | 62 | 9 | 240 |
| **6PM – 8PM** | 557 | 75 | 62 | 13 | 544 |
| **WEEKEND** | | | | | |
| **12PM – 2PM** | 547 | 60 | 62 | --- | 547 |
| **6PM – 8PM** | 547 | 48 | 62 | --- | 547 |

It should be noted that parking is prohibited along both sides of Catherine Street between Mill Street and Main Street. However, a review of the existing signing along Catherine Street indicates that there is limited signing indicating that parking is prohibited. In fact, the first No Parking sign on the west side of Catherine Street is located approximately 250 south of Mill Street. On the east side of Catherine Street, the only No Parking sign is posted approximately 340 feet south of Mill Street. Since the proposed development is anticipated to generate additional parking demand in this area the installation of additional No Parking signs along both sides of the roadway should be considered to reinforce the parking prohibition along this roadway.

***Consideration of Tiered Seating Area Public Performances/Community Gatherings***

As previously indicated Wallace Green will also include an approximately 1,250 sq. ft. tiered seating area to be located at the south end of the Wallace Green (back of the 7-story Main Street Building). This seating area has been materially reduced in size in response to comments from the City consultants. It no longer extends a full story below grade and is no longer accompanied by backstage accommodations within the basement of the Main Street Building. The overall size of the seating area and the number of seating tiers has also been reduced. In general, the Wallace Green and seating area will be open to the public seven days a week during daylight hours and is geared towards daily use by people who live and/or work in downtown Poughkeepsie as an area for socializing, an outdoor eating area and other related activities typical of a passive park. The outdoor primary function of the tiered seating will be as a sitting area and small gathering space for Poughkeepsie residents and visitors who are enjoying the Wallace Green during open hours. As indicated previously, under typical conditions it is not anticipated that the Wallace Green will generate additional parking demand.

As a secondary function, the tiered seating area will also allow for a small performance area to be used occasionally for small performances and community gatherings, which could include spoken word poetry, dance and acoustic musical performances. These performances and gatherings, which are anticipated to be short duration (approximately 1-2 hours), would typically be expected to occur seasonally (during warmer months) on Weekday evenings or Weekends. Considering the planned local advertising of these performances/gatherings, it is anticipated that a significant portion of the attendees will be attracted from the surrounding area and will arrive via non-vehicular means of transportation.

In order to determine a peak parking demand associated with the occasional events at the tiered seating area, ITE data for Land Use Category 441 – Live Theater was referenced, which includes outdoor theaters. It should be noted that this is the most comparable use for which data is available, but that the proposed space will not contain facilities that are typical of a live theater as categorized by ITE including a backstage area, dressing rooms and individual seats and therefore, this category provides a very conservative analysis of peak parking demand associated with these events. Typical comfortable seating space for attendees in this type of setting is between 10 and 15 sq. ft. per person. Assuming the lower end of this range the 1,250 sq. ft. seating area could accommodate approximately 125 persons. While it is anticipated that many of these performances or gatherings would attract a much lower number of attendees, for the purposes of determining a potential parking demand, the maximum anticipated occupancy has been analyzed. Based on the ITE data,

a performance or community gathering attended by 125 persons would require approximately 48 parking spaces.

As indicated above, during the Weekday evening and Weekend time periods when it is anticipated that these events would occur, there are in excess of 500 available parking spaces in the vicinity of the Site, which would be able to accommodate the parking demand for these short duration events. Furthermore, it is expected that similar internal capture and multi-modal trip credits can be expected to attend these events based on the anticipated attendance by people in the Downtown Poughkeepsie area. This would further reduce the required parking demand for these events to approximately 22 parking spaces. It is the opinion of Maser Consulting that based on the seasonality and infrequency of these events, the short duration, the anticipated local attendance requiring less reliance on personal vehicles and the surplus of parking available in the area during the times of these events, that these events will not create any additional parking impact and that these events should not be considered as part of the overall parking requirements of the Wallace Campus development.

**REVIEW OF TRAFFIC IMPACTS, SITE ACCESS AND INTERNAL CIRCULATION**

In addition to the detailed parking analysis discussed above, Maser Consulting has also conducted a review of the interface of the Site with the surrounding road system, and potential impacts relating to access to the Site along the Mill Street arterial, as well as issues relating to internal circulation on the Site. The subject property is currently accessed via two long existing driveway connections to Mill Street (U.S. Route 44/NYS Route 55). Under current conditions these two driveways are not connected internally, however as part of the proposed development these driveways will be connected by an internal parking area providing for internal circulation between the driveways.

Mill Street, which is also known as U.S. Route 44/NYS Route 55, is a three-lane roadway that accommodates only westbound traffic in the vicinity of the Site. The roadway is under the jurisdiction of the New York State Department of Transportation (NYSDOT). Any modifications to the proposed driveways including, repaving, signing, striping and concrete sidewalk modifications along the Mill Street Site frontage will require a Highway Work Permit to be obtained from the NYSDOT. This also includes any work within the NYSDOT Right-of-Way associated with the closure of the existing driveways to 302, 304 and 306 Mill Street. It should be noted that the consolidation of driveways to Mill Street associated with these properties and the Wallace Campus property is considered a benefit of the project as it ultimately reduces vehicle conflicts associated with entering and exiting movements to and from Mill Street resulting in more efficient and safer traffic flow in this area of Mill Street.

***Development Traffic Generation & Traffic Related Impacts***

Estimates of the amount of traffic to be generated by the proposed Wallace Campus development during each of the peak hours were developed based on information published by the Institute of Transportation Engineers (ITE) as contained in the report entitled ***Trip Generation***, 10th Edition, 2017, based on Land Use Categories; 223 - Affordable Housing; 434 - Rock Climbing Gym; 411 - Public Park; 565 - Day Care Center and; 820 - Retail. It should be noted that where applicable ITE data For Dense Multi-Use Urban Locations was referenced to reflect traffic generation rates commensurate with the downtown location of the proposed development.

Similar to the parking analysis discussed above, based on information provided in the ***Poughkeepsie Downtown Parking Improvement Plan – Analysis of Further Parking Demand*** prepared by Nelson Nygaard dated April 2018 a 30% internal capture percentage was applied for each of the land uses to account for the existing and proposed land use mix in the area as well as within the proposed development. Furthermore, a multi-modal trip credit of 35% was applied to each of the land uses based on census data, which indicates that 37% of households within the study area do not have access to a personal vehicle. The resulting Site Generated External Vehicle Traffic Volumes are summarized in Table No. 7 below for the Weekday Peak AM, Weekday Peak PM and Saturday Peak Hours.

**TABLE NO. 7**

**HOURLY TRIP GENERATION RATES (HTGR) AND ANTICIPATED SITE GENERATED TRAFFIC VOLUMES**

| **WALLACE CAMPUS DEVELOPMENT** POUGHKEEPSIE, NEW YORK | ENTRY | | | EXIT | | |
|---|---|---|---|---|---|---|
| | HTGR[1] | VOLUME | EXTERNAL VEHICLE TRIPS[2] | HTGR[1] | VOLUME | EXTERNAL VEHICLE TRIPS[2] |
| RESIDENTIAL - AFFORDABLE HOUSING (214 UNITS) | | | | | | |
| PEAK AM HOUR | 0.34 | 73 | 34 | 0.14 | 31 | 15 |
| PEAK PM HOUR | 0.23 | 50 | 23 | 0.14 | 30 | 14 |
| SATURDAY PEAK HOUR | 0.24 | 52 | 24 | 0.24 | 52 | 24 |
| DAY CARE CENTER (10,197 SQ. FT.) | | | | | | |
| PEAK AM HOUR | 5.79 | 59 | 27 | 5.20 | 53 | 25 |
| PEAK PM HOUR | 5.20 | 53 | 25 | 5.88 | 60 | 28 |
| SATURDAY PEAK HOUR | - | - | - | - | - | - |
| COMMUNITY FITNESS CENTER (29,000 SQ. FT.) | | | | | | |
| PEAK AM HOUR | 0.45 | 13 | 6 | 0.97 | 28 | 13 |
| PEAK PM HOUR | 0.93 | 27 | 13 | 0.72 | 21 | 10 |
| SATURDAY PEAK HOUR | 1.17 | 34 | 16 | 1.41 | 41 | 19 |
| COMMERCIAL SPACE (6,416 SQ. FT.) | | | | | | |
| PEAK AM HOUR | 1.25 | 8 | 4 | 1.09 | 7 | 4 |
| PEAK PM HOUR | 2.34 | 15 | 7 | 2.65 | 17 | 8 |
| SATURDAY PEAK HOUR | 3.12 | 20 | 10 | 3.27 | 21 | 10 |
| PUBLIC PARK (1 ACRE) | | | | | | |
| PEAK AM HOUR | 1.00 | 1 | 1 | 1.00 | 1 | 1 |
| PEAK PM HOUR | 6.00 | 6 | 3 | 5.00 | 5 | 3 |
| SATURDAY PEAK HOUR | 8.00 | 8 | 4 | 6.00 | 6 | 3 |
| TOTAL | | | | | | |
| PEAK AM HOUR | - | - | 72 | - | - | 58 |
| PEAK PM HOUR | - | - | 71 | - | - | 63 |
| SATURDAY PEAK HOUR | - | - | 54 | - | - | 56 |

NOTES:

1) THE HOURLY TRIP GENERATION RATES (HTGR) ARE BASED ON DATA PUBLISHED BY THE INSTITUTE OF TRANSPORTATION ENGINEERS (ITE) AS CONTAINED IN THE TRIP GENERATION HANDBOOK, 10TH EDITION, 2017. ITE LAND USE CODE - 223 - AFFORDABLE HOUSING, ITE LAND USE CODE - 434 - ROCK CLIMBING GYM, ITE LAND USE CODE - 411 - PUBLIC PARK, ITE LAND USE CODE - 565 - DAY CARE CENTER AND ITE LAND USE CODE - 820 - RETAIL. NOTE WHERE APPLICABLE DATA ITE DATA FOR DENSE MULTI-USE URBAN LOCATIONS WAS REFERENCED. THE DAYCARE USE IS PROPOSED TO BE OPERATIONAL MONDAY THROUGH FRIDAY ONLY, THEREFORE NO TRAFFIC GENERATION HAS BEEN ASSUMED FOR THIS USE ON SATURDAY.

2) "EXTERNAL VEHICL TRIPS" INCLUDE A 30% INTERNAL CAPTURE TRIP CREDIT FOR ALL LAND USES AS WELL AS A 35% MULTI-MODAL TRIP CREDIT TO ACCOUNT FOR INTERNAL TRIPS WITHIN THE DEVELOPMENT AND BETWEEN THE DEVELOPMENT AND OTHER NEARBAY USES AS WELL AS NON-PERSONAL VEHICLE TRIPS TO THE SITE. THESE CREDITS ARE BASED ON DATA PROVIDED IN THE POUGHKEEPSIE DOWNTOWN PARKING IMPROVEMENT PLAN - ANALYSIS OF FUTURE PARKING DEMAND PREPARED BY NELSON NYGAARD DATED APRIL, 2018.

Based on the above traffic generation estimates the proposed development is expected to generate less than 100 entering vehicle trips during each of the peak hours analyzed and a portion will be attracted from the existing traffic stream along Mill Street as pass-by and/or diverted link trips. ITE and NYSDOT guidelines indicate that developments generating less than 100 entering vehicle trips will not result in a significant impact in surrounding area traffic impacts. It should also be noted that no credit has been taken for existing traffic generation of the existing buildings and/or possible occupancies of these spaces.

Furthermore, the above traffic generation estimates were compared to available traffic volume data for the Mill Street corridor in the vicinity of the Site obtained from the NYSDOT Traffic Data Viewer website (https://gis.dot.ny.gov/html5viewer/?viewer=tdv). The latest available traffic volume data for the Mill Street corridor is from 2015. This data was increased by a growth rate of 2.0% per year in order to project the volumes to the 2020 analysis period. Table No. 7 below summarizes the 2015 traffic volumes per the available NYSDOT data, the estimated 2020 traffic volumes and a comparison of the 2020 traffic volumes to the site generated traffic volumes during each of the peak hours.

**TABLE NO. 8**
**COMPARISON OF MILL STREET EXISTING TRAFFIC VOLUMES**
**TO TOTAL SITE GENERATED TRAFFIC VOLUMES**

| TIME PERIOD | 2015 NYSDOT TRAFFIC VOLUMES | 2020 ESTIMATED TRAFFIC VOLUMES | SITE GENERATED TRAFFIC ENTRY VOLUMES |
|---|---|---|---|
| AM PEAK HOUR (8AM -9AM) | 1,857 | 2,050 | 72 |
| PM PEAK HOUR (5PM – 6PM) | 1,670 | 1,843 | 71 |
| SATURDAY PEAK HOUR (12PM – 1PM) | 1,186 | 1,309 | 54 |

As indicated above, the proposed development generated traffic will not result in a significant increase in traffic volumes during any of the peak hours and equates to less than a 5% increase in traffic along Mill Street in the vicinity of the Site. This percentage increase in traffic volumes is not considered to be significant especially considering the three-lane configuration of Mill Street in the vicinity of the Site. This further supports the conclusion that the proposed development will not have a significant impact on traffic operations in the vicinity of the Site. It should also be noted that the Saturday background traffic volumes along Mill Street are significantly lower than during the Weekday commuter peak hours.

Furthermore, the performances/community gatherings planned for the tiered seating area within the Wallace Green are planned to occur outside to the peak hours of traffic in the area of the development and therefore are not anticipated to have a significant impact on traffic operations in the area. As previously indicated these events are proposed to be locally advertised events and thus a significant portion of the attendees are anticipated to arrive via non-vehicular means, which will further reduce the traffic associated with these events.

***Site Access and Internal Circulation***

The proposed Site Plans prepared by LRC Group have been revised since our initial report in November 2020, which made several recommendations to improve site access and internal circulation. In addition, further revisions have been made to the plans based on comments from the City and its Consultants. We have conducted a review of the latest site plans relative to site access and onsite circulation and note the following:

- The eastern Site access driveway has been modified to be an entry only access driveway with appropriate one-way signage as previously recommended. Furthermore, parking along both sides of this one-way drive is now proposed as 60-degree angled parking to further support the one-way nature of the driveway.
- The two-way nature of the western Site access driveway has been maintained. This will provide an alternate means of entry in the event that the eastern driveway is missed by entering vehicles and will also provide an alternate means of entry during the Daycare drop-off-and pick-up periods, which will minimize the possibility of any queuing out onto Mill Street.
- The two-way nature of the internal parking circulation roadway has also been maintained and provides full access to all parking areas within the Site.
- A dedicated daycare drop-off lane has been added to the eastern driveway eliminating the previously proposed striped daycare drop-off space. See further discussion of daycare drop-off/pick-up operations below.
- The two (2) dedicated daycare drop-off spaces are currently proposed to be signed as 15-minute drop-off spaces. It is our opinion that this time period is excessive and note necessary, and that these should be no more than 5-minute drop-off spaces to facilitate higher turnover of these spaces during the drop-off/pick-up periods and to ensure that these spaces are not used for visitors to other portions of the proposed development.
- Bicycle parking is planned to be provided on the Site per the requirements for long-term and sort term bicycle parking as specified in Table 3.37-6 of the City of Poughkeepsie Code (Section 19-3.37.(13).(h)).
- The tandem parking configuration previously proposed to accommodate parking for the Hudson River Housing property has been eliminated which also has facilitated inclusion of an improved pedestrian pathway between Mill Street and the Wallace Green as well as other portions of the development, and also allowed for improvements to the layout of the parking areas and on-site circulation in this area.

As previously indicated, the project will also enhance pedestrian connectivity between Mill Street and Main Street via the Wallace Green Walkway through the development. This walkway will provide a direct pedestrian connection between Mill Street and Main Street, providing direct access to Mill Street near Conklin Street. Mill Street provides connections to the Catharine Street/Mill Street intersection and to the Crannel Street public parking lot. Mill Street also provides pedestrian access to the west to Garden Street and to the Garden Street public parking lot. Additional pedestrian connectivity to the Garden Street public parking lot will also be provided via the onsite walkways with a gated fence between the Wallace Campus property and the Garden Street lot. These multiple options for pedestrian accommodations will improve overall pedestrian connectivity in and around the Site for both residents and visitors of the project as well as the general public who will be able to utilize these connections for passage between Mill Street and Main Street.

***Daycare Drop-Off /Pick-Up***

In addition to the above, we have also conducted a review of the Site Plans relative to the operation of the Daycare drop-off and pick-up operations. As indicated in Table No. 7 above, the Daycare facility is anticipated to generate approximately 28 vehicle trips to the Site during the AM and PM Peak Hours, which equates to approximately 1 vehicle every 2 minutes. Maser Consulting has conducted observations of other existing daycare facilities, one located in the Town of Yorktown, New York and a second located in Paramus, New Jersey. These observations indicated average typical daycare drop-off and pick-up times to be approximately 2-3 minutes per vehicle at the Yorktown, NY location and approximately 5-6 minutes per vehicle at the Paramus, NJ location. It is our experience that the time frame for the drop-off/pick-up of students is generally dependent on the specific daycare operations. For instance, the Yorktown, NY location observed by our office generally had daycare personnel meet all students at their vehicles and then escorting them into the facility, which allows for a quicker drop-off/pick-up operation. Although the operator of the daycare is not currently known at this time, it is reasonable to expect that the Owner can require that the daycare tenant facilitate the efficiency of drop-off/pick-up operations by providing the following:

- Daycare employees will be required to park offsite in the available public parking areas surrounding the Site increasing the likelihood of available parking spaces during the drop-off/pick-up periods.
- Staggering of daycare times by age group or class will help to spread out the arrival and departure times of students over the morning and afternoon periods and help to alleviate queuing concerns on the driveway related to the drop-off/pick-up operations.
- Students will be met at the designated pick-up/drop-off locations (i.e. parking space/drive aisle) by daycare teachers and escorted to the daycare facility to limit the need for parents to enter the daycare facility.
- If parents do need to enter the daycare facility during drop-off/pick-up times, they will not be permitted to use the drop off spaces, but will be instructed and directed by the daycare personnel to utilize other available parking onsite or in the surrounding area. This includes utilization of nearby public parking areas within approximately 400 ft. of the proposed

daycare facility, including the Garden Street Lot and the Crannell Lot, to further reducing potential queuing on the Site.

Furthermore, it is anticipated that a significant portion of the daycare students will be attending from the immediate surrounding area within walking distance of the Site and even from the residential properties within the Wallace Campus development, which will reduce the number of vehicles during the drop-off/pick-up periods, as compared to statistical norms. This is supported by discussions with other existing daycare facilities in the area, which have indicated that a majority of their families/students arrive either from the surrounding neighborhood, and thus walk to the facility, or arrive via the nearby Dutchess County bus transit hub.

Notably, the one-way entry only driveway pattern for the eastern driveway and the 24 ft. width of this driveway provide the ability for vehicles to bypass any queued vehicles waiting to drop-off/pick-up at the daycare. To further support this the Site plan has been modified to provide a dedicated striped daycare drop-off/pick-up lane. Furthermore, vehicles dropping off and picking up children at the daycare will be able to utilize any other free spaces on the proposed Site and surrounding area, in addition to the two (2) spaces designated for drop-off/pick-up. It should be noted that the proximity of Catherine Street to the daycare facility entrance may invite people to temporarily park on Catherine Street in order to drop-off or pick-up students at the daycare facility. The installation of additional No Parking signs along Catharine Street is recommended in order to reinforce the existing parking prohibition along the roadway.

Finally, there will be approximately 120 ft. between the daycare drop-off/pick-up area and the Mill Street intersection, which will be able to accommodate 4-5 queued vehicles before any queues impact Mill Street. Based on standard queuing theory concepts, calculations indicate that an average vehicle processing time of approximately 6 minutes per vehicle will result in a queue of 5 vehicles during peak drop-off and pick-up time periods (see attached queuing calculations). Therefore, in order to accommodate the daycare facility, the operator will need to ensure a student pick-up and arrival processing time of 6 minutes per vehicle or less. Staggering of student arrivals and departures, as recommended above will also help to minimize the queues on the driveway. Based on this information, in conjunction with the other items noted above as well as the expectation of a significant number of walking trips to the daycare, it is our opinion that the proposed development can accommodate the proposed daycare drop-off and pick-up without significant impact to Mill Street or to the on-site circulation.

## CONCLUSIONS

The proposed shared parking plan amongst the Wallace Campus Development, Hudson River Housing and the 302, 304 & 306 Mill Street parcels provides a benefit to each of these properties as well as the overall area. This shared parking plan allows for consolidation of driveways to Mill Street, improved access to parking to all involved properties, additional green space and most significantly much improved mid-block pedestrian access between Mill Street and Main Street. In consideration of these benefits, it is the opinion of Maser Consulting that the shared parking plan amongst the various properties should be approved by the City.

Based on the above analysis, and in consideration of the shared parking plan, the required parking for the proposed Wallace Campus development and adjoining parcels will exceed the proposed parking supply by 18 vehicles. The analysis demonstrates that these excess vehicles can be accommodated by the off-site public parking in the vicinity of the Site and therefore the Applicant is requesting a waiver be granted by the Planning Board for these excess parking spaces under the waiver with fee-in-lieu provision of the PID Zoning District, section 19-3.37 (13) (e).

In addition, the parking needs associated with the proposed occasional seasonal public performances and community gatherings at the tiered seating area within the Wallace Green can be accommodated during both the Weekday evening and Weekend periods, when there is anticipated to be in excess of 500 available public parking spaces in the vicinity of the Site, and there should be no additional parking demand attributed either to the Wallace Green passive park space or to the tiered seating.

Furthermore, the proposed development is not anticipated to have any significant traffic related impacts on the surrounding area intersections and with the recommended modifications to facilitate internal circulation and the Daycare drop-off/pick-up, there will not be any traffic related impacts associated with the proposed development.

As previously indicated, the proposed modifications to the two Site access driveway connections to Mill Street as well as the closure of the existing driveways to 302, 304 and 306 Mill Street will require a NYSDOT Highway Work Permit to be obtained prior to implementation of these modifications.

Very truly yours,

MASER CONSULTING CONNECTICUT, P.C.

Richard G. D'Andrea, P.E., PTOE
Principal Associate

RGD/cs
Enclosures
cc: J. Logsdon
R. Goodfriend
J. Van Tuyl
K. Casamento

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# WALLACE CAMPUS DEVELOPMENT
# DAYCARE QUEUE CALCULATIONS

**INPUTS:**

| | | |
|---|---|---|
| Average Arrival rate ($\lambda$) | 0.467 | Veh/Min |
| Average Service Rate ($\mu$) | 0.1765 | Veh/Min |
| Number Channels (s) | 3 | |
| System capacity (K) | 28 | Veh/Hour |

## *Steady-State Operating Characteristics*

| | | |
|---|---|---|
| Probability that the system is empty | $p_0$ | 0.031 |
| Probability that the system is full | $p_K$ | 0.004 |
| Average rate that customers enter | $\lambda^*(1-p_K)$ | 0.465 |
| Average number of customers in line | $L_q$ | **5.015** |
| Average time spent in line | $W_q$ | 10.784 |
| Average time spent in the system | $W$ | 16.450 |
| Average number of customers in system | $L$ | 7.650 |
| Maximum Utilization | $\lambda/(s\mu)$ | 0.882 |
| Effective Utilization (traffic intensity) | $\rho$ | 0.878 |

# *Attachment F*

# *Site Plans*

# SITE PLAN SUBMISSION SET

FOR

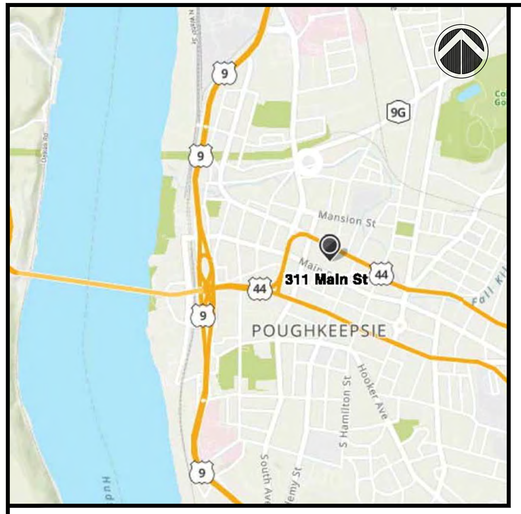
# WALLACE CAMPUS MANAGER, LLC

TAX MAP ID#'S
6162-77-114098, 6162-78-127091,
6162-77-109079 & 6162-77-109077
ADJOINING TAX MAP ID#'S
6162-77-112116, 6162-77-116114, 6162-77-121116, 6162-78-128113

# WALLACE CAMPUS
# CITY OF POUGHKEEPSIE,
# DUTCHESS COUNTY, NEW YORK

ORIGINALLY SUBMITTED: APRIL 10, 2020
REVISED: JUNE 5, 2020
REVISED: JULY 10, 2020
REVISED: NOVEMBER 3, 2020

REVISED: MARCH 2, 2021




LOCATION MAP
SCALE: 1"=1,000'




VICINITY MAP
SCALE: 1"=400'

CITY PLANNING BOARD
CITY OF POUGHKEEPSIE, NEW YORK
**SITE PLAN APPROVAL**
FILE NO:
PROJECT NAME:
PROJECT LOCATION:
APPLICANT:
**OFFICIALLY APPROVED** AT THE PLANNING BOARD
MEETING HELD THE _____DAY OF_____2_____
PLANNING CHAIR:
DESIGNEE:
DATE SIGNED:
CONDITION(S)

FIRE CHIEF

POLICE CHIEF

BUILDING INSPECTOR

CITY ENGINEER

COMMISSIONER OF PUBLIC WORKS

## OWNER / APPLICANT:

WALLACE CAMPUS MANAGER, LLC
48-02 25TH AVE
SUITE 400
ASTORIA NY, 11103

## ARCHITECT:

SLCE ARCHITECTS, LLP
1359 BROADWAY, 14TH FLOOR
NEW YORK, NY 10018
TEL: 212-979-8400 OR 212-238-4458

## SITE PLANNER / CIVIL ENGINEER:

LRC GROUP

160 West Street, Suite E
Cromwell, CT 06416
Tel: 860.635.2877

85 Civic Center Plaza, Suite 103
Poughkeepsie NY 12601
Tel: 845.243.2880

1 International Blvd, Suite 400
Mahwah, NJ 07495
Tel: 908.603.5730

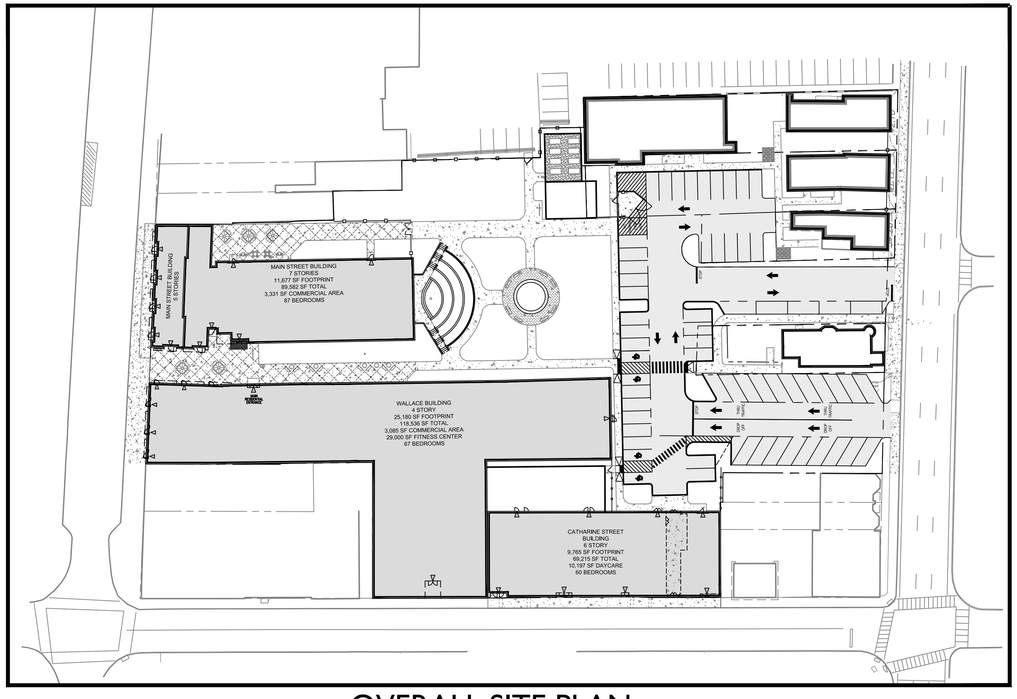
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- LAND PLANNING
- CIVIL ENGINEERING
- ENVIRONMENTAL SERVICES
- LAND SURVEYING
- LANDSCAPE ARCHITECTURE

LRC Engineering & Surveying, DPC
LRC Engineering and Surveying, LLC
LRC Environmental Services, Inc.

STATE OF NEW YORK
RODNEY L. MORRISON
074194
LICENSED PROFESSIONAL ENGINEER

Rodney Morrison P.E. #074194

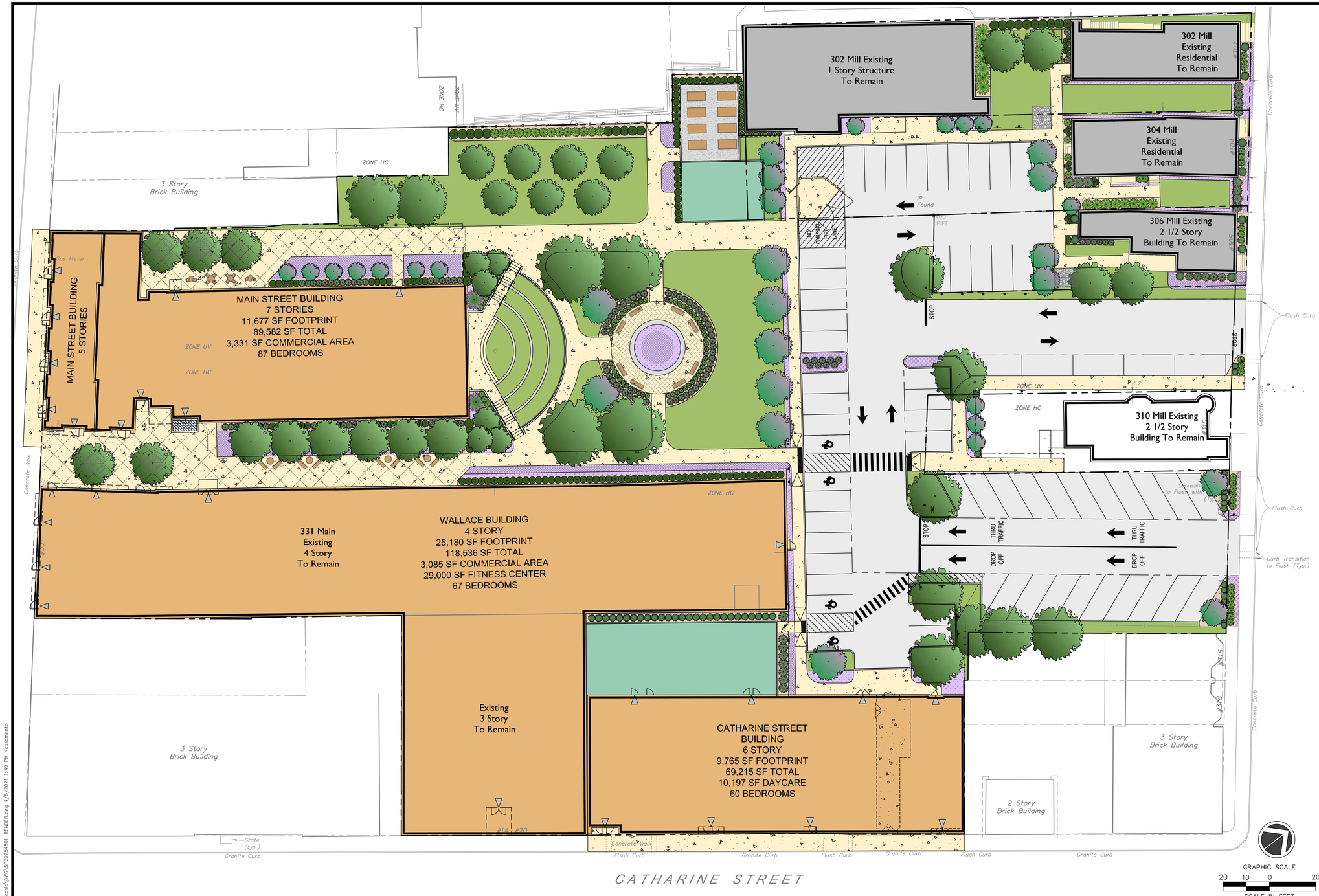



OVERALL SITE PLAN
SCALE: 1"=50'

## INDEX OF DRAWINGS


| | |
|---|---|
| CV-1 | COVER SHEET |
| EX-1 | EXISTING CONDITIONS (UNDER SEPARATE COVER) |
| DM-1 | DEMOLITION PLAN |
| LC-1 | LOT LINE CONSOLIDATION PLAN |
| OP-1 | OVERALL SITE PLAN |
| SP-1 | SITE PLAN |
| SP-2 | SITE PLAN (BULK REGULATIONS) |
| SG-1 | SITE GRADING / DRAINAGE PLAN |
| UT-1 | SITE UTILITIES |
| EC-1 | EROSION AND SEDIMENTATION CONTROL PLAN |
| NS-1 | NOTES SHEET |
| LL-1 | LANDSCAPE PLAN |
| LL-2 | LANDSCAPE PLAN |
| LP-1 | LIGHTING PLAN |
| LP-2 | LIGHTING CUT SHEETS AND LANDSCAPE DETAILS |
| DN-1 | SITE DETAILS |
| DN-2 | WATER / SANITARY DETAILS |
| DN-3 | STORMWATER DETAILS |
| DN-4 | EROSION CONTROL DETAILS |
| DN-5 | AMENITIES DETAILS |


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GRAPHIC SCALE
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SCALE IN FEET

| No. | Date | Description |
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| 1 | 06.05.20 | REVISED PER CITY COMMENTS |
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Revisions


LRC GROUP
- Land Planning
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LRC Engineering & Surveying, LLC
LRC Environmental Services, Inc.


# ILLUSTRATIVE SITE PLAN

## WALLACE CAMPUS MANAGER, LLC

WALLACE CAMPUS
CITY OF POUGHKEEPSIE,
DUTCHESS COUNTY, NEW YORK

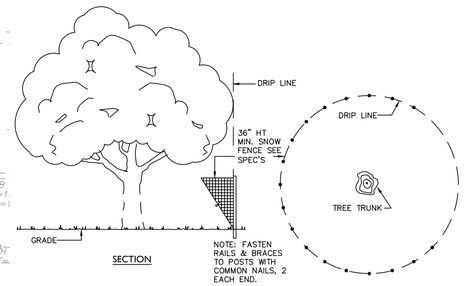
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|---|---|---|---|
| Design/Calcs | LRC | CADD File | 20254801-RENDER.dwg |
| Drawn | SMC | Project No. | 20-2548 |
| Checked | KFC | Date | 2020.04.10 |
| Approved | REM | Scale | 1"=20' |

Sheet No. SP-1

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## DEMOLITION NOTES:

1. CONTRACTOR SHALL NOTIFY "DIG SAFELY NEW YORK" AT 1-800-962-7692 AT LEAST TWO FULL WORKING DAYS PRIOR TO COMMENCEMENT OF ANY WORK IN ACCORDANCE WITH UFPO CODE RULE 53, 16 NYCRR PART 753.
2. ANY ITEM THAT MAY CONFLICT WITH SITE DEVELOPMENT AND IS NOT IDENTIFIED ON THIS PLAN SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER AND DESIGN ENGINEER AS SOON AS POSSIBLE.
3. ADDITIONAL UNDERGROUND FACILITIES MAY BE PRESENT WITHIN THE LIMITS OF THE PROPOSED WORK. THE CONTRACTOR SHALL CONTACT ANY AND ALL PERSONNEL RESPONSIBLE FOR DETERMINING THE LOCATIONS.
4. PRIOR TO DEMOLISHING ANY BUILDINGS/STRUCTURES, THE CONTRACTOR SHALL PERFORM A PRE-DEMOLITION SURVEY IN ACCORDANCE WITH STATE AND FEDERAL REGULATIONS. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND APPROVALS BY THE AUTHORITY HAVING JURISDICTION.
5. CONFORM TO APPLICABLE CODE FOR DEMOLITION OF STRUCTURES, SAFETY OF ADJACENT STRUCTURES, DUST CONTROL, RUNOFF CONTROL, AND HAULING, DISPOSAL AND STORAGE OF DEBRIS.
6. PROVIDE, ERECT, AND MAINTAIN TEMPORARY BARRIERS AND SECURITY DEVICES.
7. MAINTAIN EXISTING UTILITIES TO REMAIN IN SERVICE AND PROTECT THEM AGAINST DAMAGE DURING SELECTIVE DEMOLITION OPERATIONS. DO NOT INTERRUPT EXISTING UTILITIES SERVING OPERATING FACILITIES, EXCEPT WHEN AUTHORIZED IN WRITING BY OWNER AND AUTHORITIES HAVING JURISDICTION.
8. WHEN DISTURBED, EXISTING FACILITIES SHALL BE REPAIRED OR REPLACED IN KIND AND IN ACCORDANCE WITH THE REQUIREMENTS OR THE DIRECTION OF THE AUTHORITY HAVING JURISDICTION. ASSOCIATED COSTS SHALL BE BORNE BY THE CONTRACTOR.
9. NOTIFY ADJACENT OWNERS OF WORK THAT MAY AFFECT THEIR PROPERTY, POTENTIAL NOISE, UTILITY OUTAGE, OR DISRUPTION. COORDINATE WITH OWNER.
10. PREVENT MOVEMENT OR SETTLEMENT OF ADJACENT STRUCTURES. PROVIDE BRACING AND SHORING.
11. LOCATE AND IDENTIFY ALL EXISTING UTILITIES WITHIN THE CONSTRUCTION AREA. DISCONNECT AND SEAL OR CAP OFF UTILITY SERVICES THAT WILL BE AFFECTED BY THIS PROJECT. NOTIFY AFFECTED UTILITY COMPANIES BEFORE STARTING WORK AND COMPLY WITH THEIR REQUIREMENTS. VERIFY THAT UTILITIES HAVE BEEN DISCONNECTED AND CAPPED. ABANDONMENT AND DISCONNECTION OF THE EXISTING WATER LINE MUST BE COORDINATED WITH THE CITY OF POUGHKEEPSIE WATER DEPARTMENT. ABANDONMENT AND DISCONNECTION OF THE EXISTING SEWER LINE MUST BE COORDINATED WITH THE CITY OF POUGHKEEPSIE SEWER DEPARTMENT.
12. DEMOLISH AND REMOVE COMPONENTS IN AN ORDERLY AND CAREFUL MANNER.
13. PROTECT EXISTING FEATURES THAT ARE NOT TO BE DEMOLISHED.
14. CONDUCT OPERATIONS WITH MINIMUM INTERFERENCE TO PUBLIC OR PRIVATE ACCESS WAY.
15. MAINTAIN EGRESS AND ACCESS AT ALL TIMES. DO NOT CLOSE OR OBSTRUCT ROADWAYS, OR SIDEWALKS WITHOUT PERMITS.
16. CEASE OPERATIONS IMMEDIATELY IF ADJACENT STRUCTURES APPEAR TO BE IN DANGER. NOTIFY AUTHORITY HAVING JURISDICTION.
17. ROUGH GRADE AND COMPACT AREAS AFFECTED BY DEMOLITION TO MAINTAIN SITE GRADES AND CONTOURS.
18. FIELD VERIFY EXISTING CONDITIONS AND CORRELATE WITH REQUIREMENTS INDICATED ON DEMOLITION PLAN TO DETERMINE EXTENT OF SELECTIVE DEMOLITION REQUIRED.
19. MAINTAIN EXISTING UTILITIES TO REMAIN IN SERVICE AND PROTECT THEM AGAINST DAMAGE DURING SELECTIVE DEMOLITION OPERATION.
20. CONDUCT DEMOLITION OPERATIONS TO PREVENT INJURY TO PEOPLE AND DAMAGE TO ADJACENT BUILDINGS AND FACILITIES TO REMAIN. ENSURE SAFE PASSAGE OF PEOPLE AROUND SELECTIVE DEMOLITION AREA.
21. USE WATER MIST, TEMPORARY ENCLOSURES AND OTHER SUITABLE METHODS TO LIMIT THE SPREAD OF DUST AND DIRT. COMPLY WITH GOVERNING ENVIRONMENTAL PROTECTION REGULATIONS. DO NOT USE WATER WHEN IT MAY DAMAGE EXISTING CONSTRUCTION, SUCH AS ICE, FLOODING, OR POLLUTION.
22. REMOVE, TRANSPORT AND REMOVE DEBRIS IN A MANNER THAT WILL PREVENT SPILLAGE ON ADJACENT SURFACES AND AREAS AND MEET ALL APPROPRIATE DISPOSAL AND TRUCKING LAWS.
23. CLEAN ADJACENT STRUCTURES AND IMPROVEMENTS OF DUST, DIRT AND DEBRIS CAUSED BY SELECTIVE DEMOLITION OPERATIONS. RETURN ADJACENT AREAS TO CONDITION EXISTING BEFORE START OF SELECTIVE DEMOLITION.
24. PROMPTLY DISPOSE OF DEMOLISHED MATERIALS. ALL DEBRIS RESULTING FROM DEMOLITION ACTIVITIES SHALL BE DISPOSED OF OFF-SITE AT A FACILITY APPROVED TO RECEIVE THE DEBRIS. DO NOT ALLOW DEMOLISHED MATERIALS TO ACCUMULATE ON-SITE. DO NOT BURN DEMOLISHED MATERIALS ON-SITE.
25. NO BLASTING IS PROPOSED FOR THE PROJECT.
26. A MINIMUM OF TEN FEET OF EXISTING PIPE SHALL BE REMOVED AROUND ALL EXISTING MANHOLES, WHERE NEW PIPES ARE PROPOSED TO CONNECT.
27. IF ANY STORM DRYWELLS OR PREVIOUSLY UNIDENTIFIED UNDERGROUND STRUCTURES ARE IDENTIFIED AND EXHIBIT A SEWAGE/SEPTIC ODOR NOTIFY SITE ENGINEER AND TREAT AS SANITARY WASTE FOR DISPOSAL.
28. EXISTING SANITARY SEWER FOR SOUTH BUILDINGS TAKEN FROM HISTORICAL DATA.
29. THE CONTRACTOR SHALL COORDINATE WITH ARLINGTON FIRE DEPARTMENT FOR ACCESS LOCATIONS TO THE SITE DURING DEMOLITION / CONSTRUCTION.
30. THE ABANDONMENT, REMOVAL & DECOMMISSIONING OF ALL EXISTING SUBSURFACE DISPOSAL SYSTEMS AND SANITARY LINE COMPONENTS MAY BE CONSIDERED HAZARDOUS WASTE AND MUST BE REMOVED IN ACCORDANCE WITH THE PROCEDURES APPROVED BY THE DUTCHESS COUNTY DEPARTMENT OF HEALTH AND NYSDEC AND CERTIFIED BY A NYS PROFESSIONAL ENGINEER.
31. ALL EXISTING MONITORING WELLS ONSITE, ARE TO BE CUT AND CAPPED 4' BELOW GRADE AND FILLED WITH GROUT. WELLS ARE TO BE ABANDONED SHALL BE IN ACCORDANCE WITH DUTCHESS COUNTY DEPARTMENT OF HEALTH REGULATIONS.
32. KNOX BOX LOCKS ARE TO INSTALLED ON EACH OF THE EMERGENCY ACCESS POINTS OF THE TEMPORARY CHAIN LINK FENCE AND DAISY CHAINED TO THE CONTRACTORS PAD LOCK.
33. PRIOR TO THE START OF CONSTRUCTION OR EXCAVATION, TREE'S TO BE RETAINED SHALL BE PROTECTED BY SILT FENCE, SNOW FENCE, CONSTRUCTION FENCE, OR EQUAL, WHICH WILL BE PLACED AT THE DRIP LINE OR SEVERAL FEET BEYOND. HOWEVER, THE FENCING SHALL NOT CROSS PUBLIC SIDEWALKS. NO STORAGE OR STOCKPILING OF CONSTRUCTION MATERIALS, DEBRIS OR EQUIPMENT SHALL OCCUR WITHIN THE FENCED AREA.




SECTION

NOTE: FASTEN RAILS & BRACES TO POSTS WITH COMMON NAILS, 2 EACH END.

PLAN VIEW

TREE PROTECTION DETAIL
NOT TO SCALE

## DEMOLITION LEGEND:

| | |
|---|---|
| X X X X X X | ITEM(S) TO BE REMOVED |
| | BUILDING / STRUCTURE TO BE REMOVED |
| | PAVEMENT TO BE REMOVED |
| | WALK TO BE REMOVED |
| | STRUCTURE TO BE REMOVED |
| | TREE PROTECTION |

GRAPHIC SCALE
20 10 0 20
SCALE IN FEET

| # | Date | Description |
|---|---|---|
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| 4 | 01.05.21 | RESPONSE TO CONSULTANT COMMENTS |
| 5 | 03.02.21 | RESPONSE TO CONSULTANT COMMENTS |

Revisions


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STATE OF NEW YORK · RODNEY E MORRISON · 074194 · LICENSED PROFESSIONAL ENGINEER

# DEMOLITION PLAN

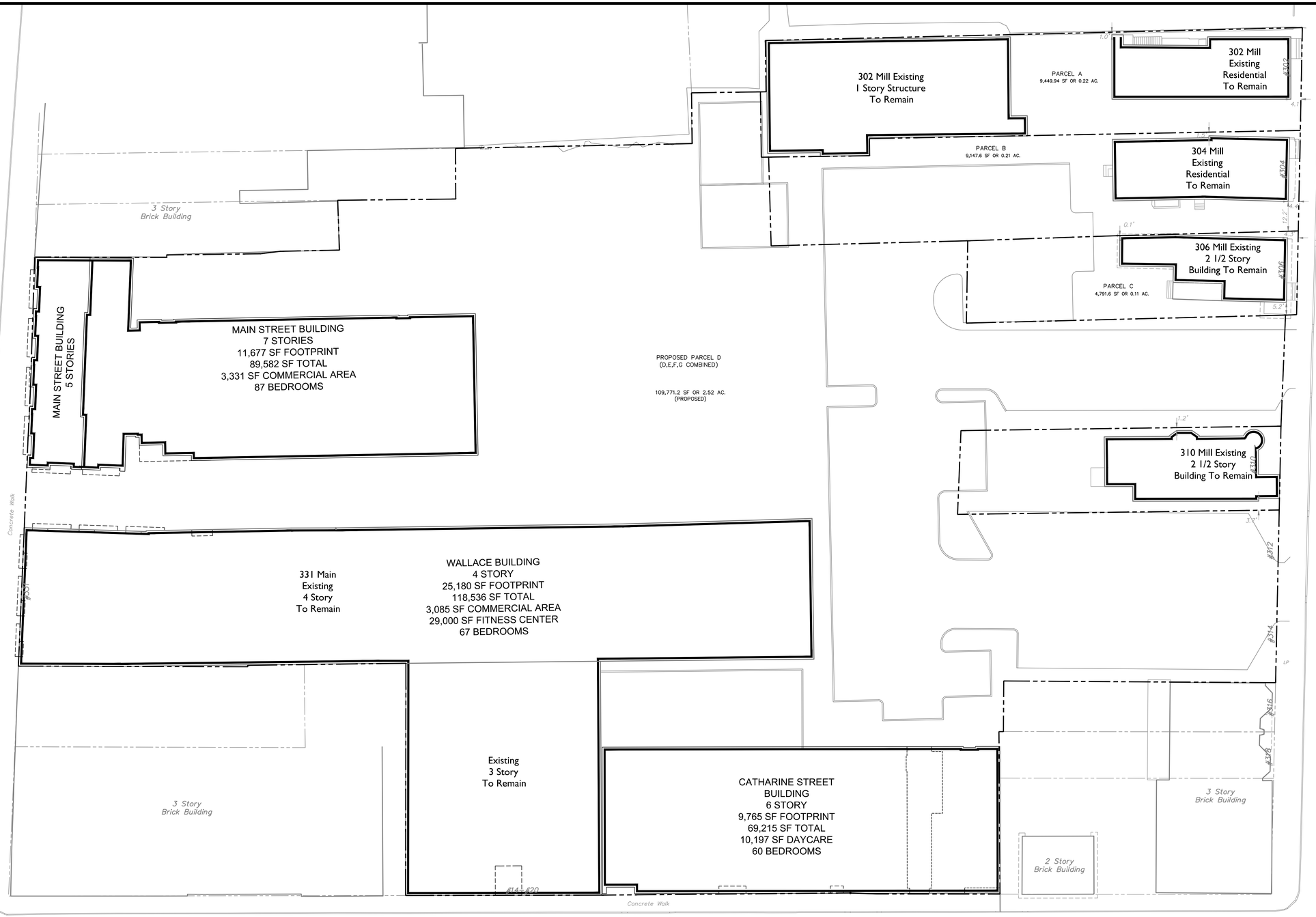
## WALLACE CAMPUS MANAGER, LLC

WALLACE CAMPUS
CITY OF POUGHKEEPSIE,
DUTCHESS COUNTY, NEW YORK

| | | | |
|---|---|---|---|
| Design/Calcs | LRC | CAD File | DM20254801.dwg |
| Drawn | SMC | Project No. | 20-2548 |
| Checked | KFC | Date | 2020.04.10 |
| Approved | REM | Scale | 1"=20' |

Sheet No. DM-1

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## PROPOSED LOT CONFIGURATION

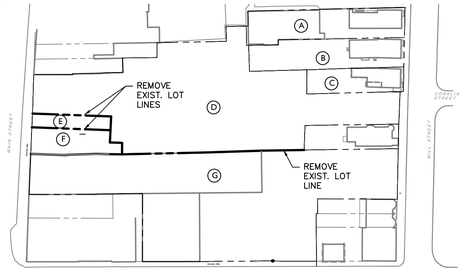
GRAPHIC SCALE
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SCALE IN FEET

ZONING HC-CORE HISTORIC AND UV URBAN VILLAGE

SEE SP-2 FOR ZONING INFORMATION

## DUTCHESS COUNTY NOTE

THIS LOT LINE REVISION SHALL TAKE EFFECT ONLY AFTER DEEDS PURSUANT TO TOWN CODE CHAPTER 135(D) AND (E) ARE PREPARED FOR AND APPROVED BY THE CITY. THIS PLAN IS PROPERLY APPROVED BY THE PLANNING BOARD AND SIGNED BY THE OWNERS AND THE PLANNING BOARD CHAIRMAN (OR DESIGNEE), AND UPON FILING SAID PLAN AND DEEDS WITH THE DUTCHESS COUNTY CLERK




## EXISTING LOT CONFIGURATION

1"=100'

### OWNER INFORMATION

PARCEL A
TAX MAP ID# 6162-77-112116
POK MILL, LLC
93 FOURTH AVE #1289
NEW YORK, NY 10276

PARCEL B
TAX MAP ID#6162-77-116114
POK MILL, LLC
93 FOURTH AVE #1289
NEW YORK, NY 10276

PARCEL C
TAX MAP ID# 6162-77-121116
POK MILL, LLC
93 FOURTH AVE #1289
NEW YORK, NY 10276

PARCEL D
TAX MAP ID# 6162-77-114098
IIC PROPERTIES INC.
331 MAIN STREET
POUGHKEEPSIE, NY 12601

PARCEL E
TAX MAP ID# 6162-78-127091
IIC PROPERTIES INC.
331 MAIN STREET
POUGHKEEPSIE, NY 12601

PARCEL F
TAX MAP ID# 6162-77-109079
POK 325 MAIN LLC
93 FOURTH AVE #1289
NEW YORK, NY 10276

PARCEL G
TAX MAP ID# 6162-77-109077
KEY MAIN, LLC
327-329 MAIN STREET
POUGHKEEPSIE, NY 12601

### OWNER / APPLICANT CERTIFICATION

THE UNDERSIGNED, OWNER/APPLICANT OF THIS PROPERTY SHOWN HEREON, AND THE APPLICANT, HEREBY CERTIFY THAT WE ARE FAMILIAR WITH THIS MAP, ITS CONTENTS AND DETAILS, AND HEREBY AGREE TO THE TERMS AND CONDITIONS EXPRESSED HEREON, AND TO FILING OF THIS MAP IN THE OFFICE OF THE DUTCHESS COUNTY CLERK.

OWNER/APPLICANT _____ DATE _____

### LOT AREA CHART-EXIST.

| EXISTING PARCEL # | AREA |
|---|---|
| PARCEL A | 9,449.94 SF OR 0.22 AC. |
| PARCEL B | 9,147.6 SF OR 0.21 AC. |
| PARCEL C | 4,791.6 SF OR 0.11 AC. |
| PARCEL D | 49,421.12 SF OR 1.13 AC. |
| PARCEL E | 53,952.86 SF OR 1.24 AC. |
| PARCEL F | 2,114.87 SF OR 0.05 AC. |
| PARCEL G | 4,232.25 SF OR 0.10 AC. |
| TOTAL | 133,293.6 SF OR 3.06 AC. |

### LOT AREA CHART-PROPOSED

| PROPOSED PARCEL # | AREA |
|---|---|
| PARCEL A | 9,449.94 SF OR 0.22 AC. (EXIST UNCHANGED) |
| PARCEL B | 9,147.6 SF OR 0.21 AC. (EXIST. UNCHANGED) |
| PARCEL C | 4,791.6 SF OR 0.11 AC. (EXIST. UNCHANGED) |
| PARCEL D (D,E,F,G COMBINED) | 109,771.2 SF OR 2.52 AC. (PROPOSED) |
| TOTAL | 133,293.6 SF OR 3.06 AC. |

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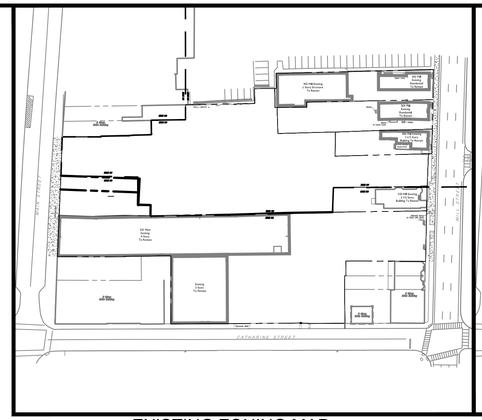
# LOT LINE CONSOLIDATION PLAN

## WALLACE CAMPUS MANAGER, LLC

WALLACE CAMPUS
CITY OF POUGHKEEPSIE,
DUTCHESS COUNTY, NEW YORK

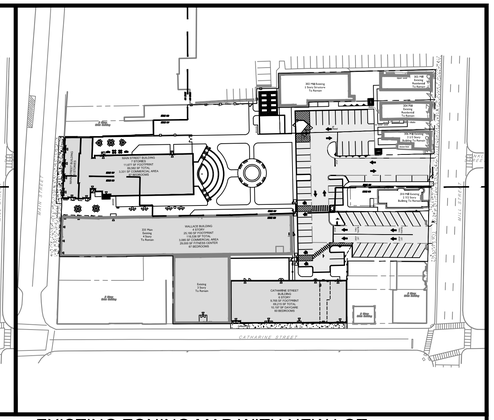
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| Design/Calcs | LRC | CAD File | LC20254801.dwg | Sheet No. |
| Drawn | SMC | Project No. | 20-2548 | LC-1 |
| Checked | KFC | Date | 2020.04.10 | |
| Approved | REM | Scale | 1"=20' | |

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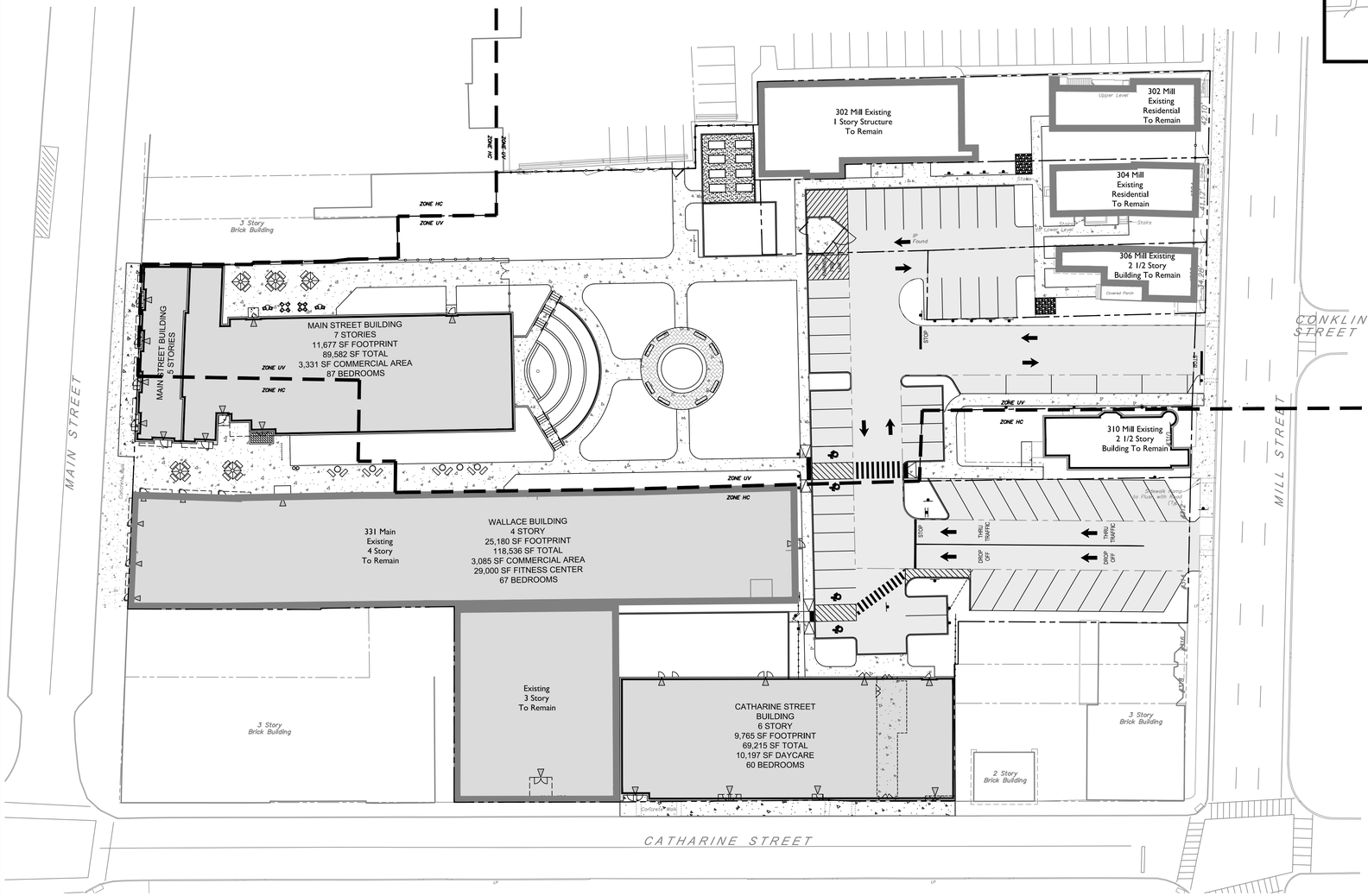
EXISTING ZONING MAP

*Scale: 1"=1,000'*



EXISTING ZONING MAP WITH NEW LOT

*Scale: 1"=1,000'*




OVERALL SITE PLAN

*Scale: 1"=30'*

GRAPHIC SCALE

30 15 0 30

SCALE IN FEET

SEE DN-4 FOR TRUCK TURNING MOVEMENTS

| No. | Date | Description |
|---|---|---|
| 1 | 06.05.20 | REVISED PER CITY COMMENTS |
| 2 | 07.10.20 | PLANNING BOARD RE-SUBMISSION |
| 3 | 11.03.20 | PLANNING BOARD RE-SUBMISSION |
| 4 | 01.05.21 | RESPONSE TO CONSULTANT COMMENTS |
| 5 | 03.02.21 | RESPONSE TO CONSULTANT COMMENTS |

Revisions


LRC GROUP

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STATE OF NEW YORK
RODNEY E. MORRISON
LICENSED PROFESSIONAL ENGINEER
072104

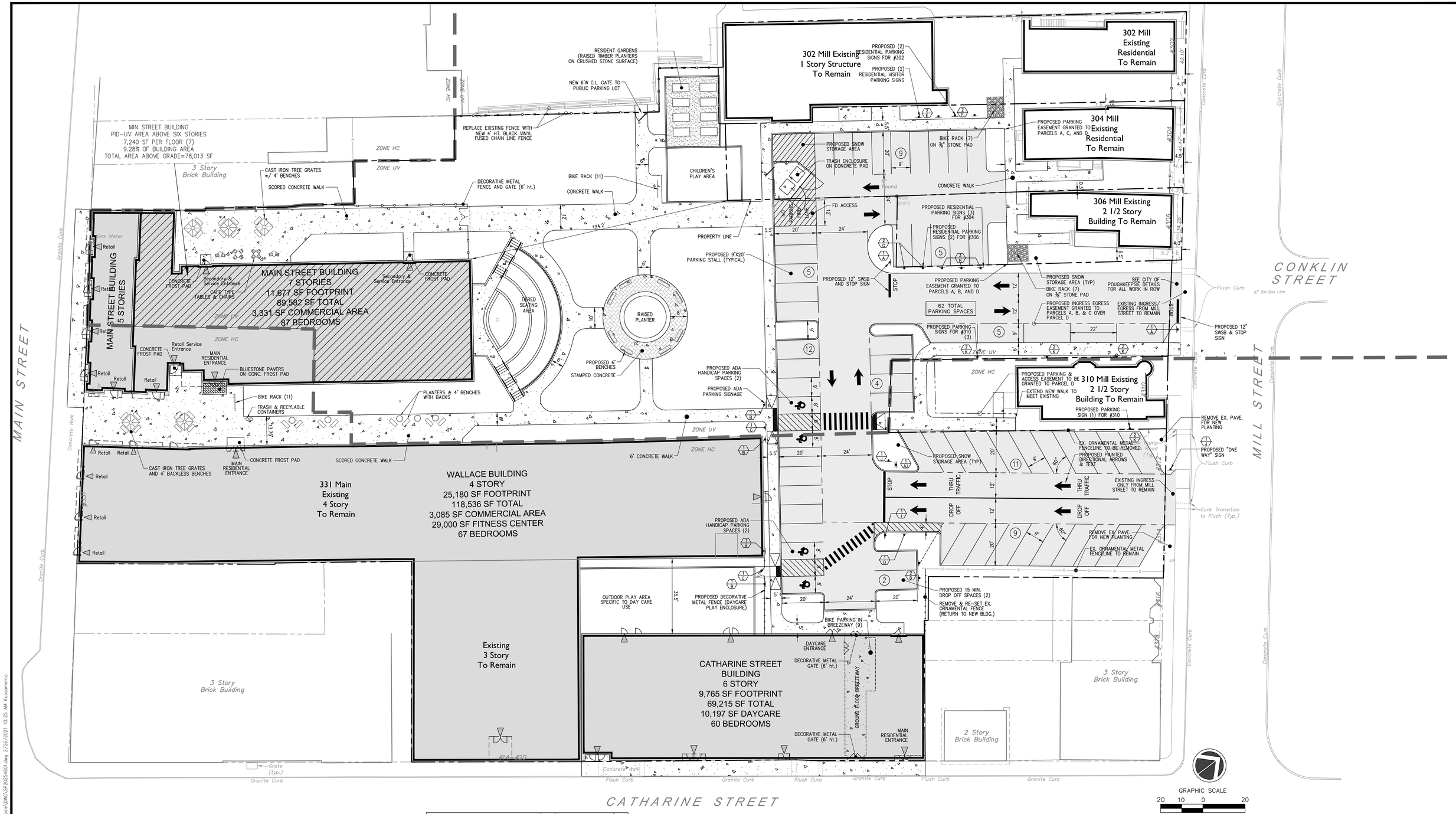
# OVERALL SITE PLAN

## WALLACE CAMPUS MANAGER, LLC

WALLACE CAMPUS
CITY OF POUGHKEEPSIE,
DUTCHESS COUNTY, NEW YORK

| | | | | |
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## GENERAL MAP NOTE:

ACCESS, SHARED PARKING, AND LANDSCAPING IMPROVEMENTS WITH ADJOINING PARCELS:

THE WALLACE CAMPUS DRAWING SETS FORTH THE BOUNDARIES OF THE WALLACE CAMPUS CONSOLIDATED LOT AND SHOWS THE SITE PLAN FOR THAT LOT. FOUR ADJOINING PARCELS OUTSIDE THE WALLACE CAMPUS ARE ALSO SHOWN ON THE DRAWING SET, FOR THE LIMITED PURPOSE OF DEPICTING THE OFF-SITE IMPROVEMENTS TO BE MADE ON THOSE PROPERTIES PURSUANT TO SHARED PARKING AND EASEMENT AGREEMENTS, AND TO SHOW THE MANNER IN WHICH THOSE PHYSICAL IMPROVEMENTS AND ACCESS PROVISIONS WILL IMPROVE PEDESTRIAN AND VEHICULAR CIRCULATION IN THE NEIGHBORHOOD, AS WELL AS LANDSCAPING, LIGHTING, AND COMMUNITY CHARACTER. THE PROJECT SPONSOR WILL ENTER INTO SHARED PARKING AND PERMANENT ACCESS EASEMENT AGREEMENTS WITH THE OWNERS OF THESE ADJOINING PARCELS, WHICH WILL BE APPROVED BY THE PLANNING BOARD AS PART OF THE PROJECT APPROVALS. THE DRAWING SET DEPICTS THE OFF-SITE WORK TO BE PERFORMED BY THE PROJECT SPONSOR ON THESE PARCELS TO IMPLEMENT THE SHARED PARKING AND ACCESS AGREEMENTS. THE WORK ON 302, 304 AND 306 MILL STREET ("THE 3 MILL STREET LOTS") WOULD ELIMINATE TWO EXISTING CURB CUTS ON MILL STREET (BETWEEN 302 AND 304 MILL AND BETWEEN 304 AND 306 MILL), AND PROVIDE ADDITIONAL GREEN SPACE ON THOSE LOTS, INCLUDING ALONG THE MILL STREET FRONTAGE TO REPLACE THOSE DRIVEWAYS. THE WALLACE CAMPUS OWNER WILL PROVIDE A PERMANENT ACCESS EASEMENT TO THE OWNER OF THE 3 MILL STREET LOTS FOR THE BENEFIT OF OWNERS AND TENANTS, TO ACCESS THE PARKING AREAS LOCATED ON THESE LOTS VIA THE WALLACE CAMPUS ACCESS DRIVES. THE SHARED PARKING AGREEMENT WOULD MAINTAIN THE ALLOCATION OF DEDICATED PARKING (12 SPACES) TO THE 3 MILL STREET LOTS IN COMPLIANCE WITH THE PID ZONING. LIGHTING IMPROVEMENTS, PEDESTRIAN WALKWAYS, AND STORMWATER IMPROVEMENTS WILL BE PROVIDED TO SERVE THE OFFSITE SHARED PARKING AREAS IN THE SAME MANNER AS THE PARKING AREAS ON THE WALLACE CAMPUS PARCEL. PURSUANT TO A SEPARATE SHARED PARKING AGREEMENT WITH THE HUDSON RIVER HOUSING ("HRH") PROPERTY, THE PROJECT SPONSOR WILL BE GRANTED A PERMANENT EASEMENT TO CONSTRUCT PEDESTRIAN SIDEWALK PATHS WITHIN THE HUDSON RIVER HOUSING PROPERTY CONNECTING TO MILL STREET AND PROVIDING ACCESS FROM THAT PARKING AREA TO THE REAR ENTRANCE TO THE HRH OFFICE BUILDING, AND PARKING IMPROVEMENTS ALONG THE HRH LOT SOUTHERLY BOUNDARY THAT INTEGRATE WITH THE WALLACE CAMPUS PARKING AREA. LIGHTING IMPROVEMENTS AND LANDSCAPING WILL BE INSTALLED AS SHOWN ON THE DRAWING SET. THE PROJECT SPONSOR WILL PROVIDE HRH WITH A PERMANENT ACCESS EASEMENT TO USE THE TWO WALLACE CAMPUS MILL STREET ENTRANCES AND EXITS FOR ACCESS TO, AND USE OF, 6 PARKING SPACES WHICH ARE LOCATED ON WALLACE CAMPUS PROPERTY DIRECTLY ABUTTING THE WESTERLY BOUNDARY OF HRH'S PROPERTY (AS SHOWN ON THE DRAWING SET), WHICH SPACES WILL BE RESERVED FOR USE BY HRH EMPLOYEES DURING WORKING HOURS 8 AM TO 6 PM MONDAY TO FRIDAY. THE 6 SPACES TO BE AVAILABLE FOR WALLACE CAMPUS PARKING OUTSIDE OF THOSE HOURS.

## SIGN LEGEND

| NO. | LEGEND | QTY. |
|---|---|---|
| A | STOP | 3 |
| B | RESERVED PARKING | 4 |
| C | NO PARKING ANYTIME | 2 |
| D | 15 MIN DROP OFF | 3 |
| E | RESIDENTIAL VISITOR PARKING | 2 |
| F | RESIDENTIAL PARKING FOR #302 ONLY | 2 |
| G | RESIDENTIAL PARKING FOR #306 ONLY | 2 |
| H | RESIDENTIAL PARKING FOR #304 ONLY | 3 |
| I | DO NOT ENTER | 2 |
| J | ONE WAY | 2 |
| K | PARKING FOR #310 Weekdays 8am-4pm | 6 |

## LEGEND

- PROPOSED ASPHALT
- PROPOSED BLUESTONE WALK
- PROPOSED SNOW STORAGE AREA
- PROPOSED CONCRETE SIDEWALK
- PROPOSED SIGN
- ZONELINE

## SURVEY MAP NOTE:

SURVEY BASED ON ENTITLED "MAP OF SURVEY PREPARED FOR URBAN GREEN EQUITIES LLC" PREPARED BY J. WILLIAM KOMISAR, LLS DATED FEBRUARY 7, 2020.

NOTES:
1. THERE ARE NO EXISTING EASEMENTS OF RECORD.
2. PROPERTY IS NOT LOCATED WITHIN THE FALLKILL CREEK WATERSHED
3. NO WATERCOURSE, MARSHES, WOODED AREA, ROCK OUTCROPS, ISOLATED TREES PRESENT.
4. NO AREAS SUBJECT TO STORM OVERFLOWS. (NOT IN FEMA 100 YEAR FLOOD PLANE)

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LRC Engineering & Surveying, DPC
LRC Engineering & Surveying, LLC
LRC Environmental Services, Inc.

# SITE PLAN

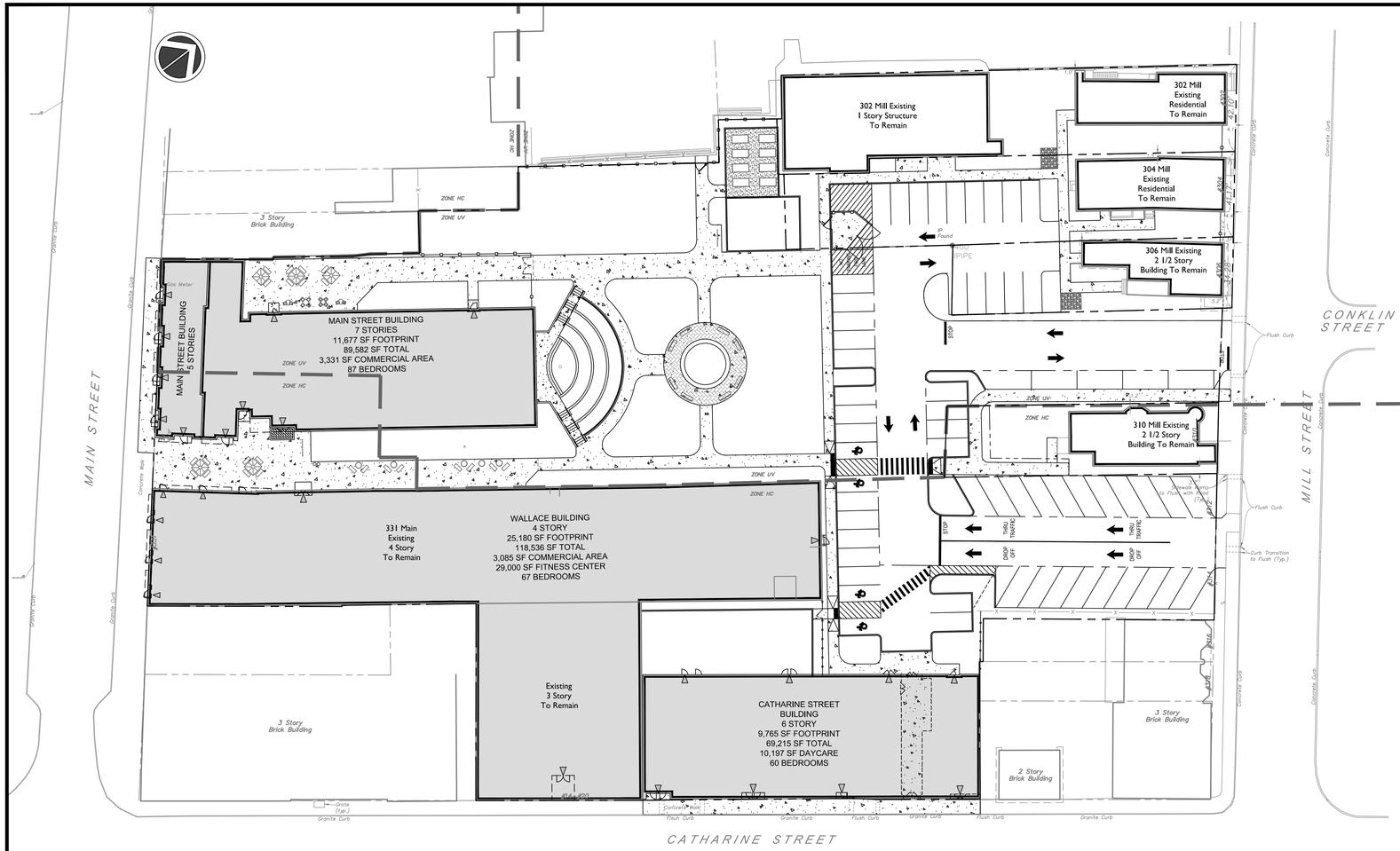
## WALLACE CAMPUS MANAGER, LLC

WALLACE CAMPUS
CITY OF POUGHKEEPSIE,
DUTCHESS COUNTY, NEW YORK

| | | | |
|---|---|---|---|
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| Drawn | SMC | Project No. | 20-2548 |
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Sheet No. SP-1

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GRAPHIC SCALE
40 20 0 40
SCALE IN FEET

# BULK TABLES

PROPOSED CONSOLIDATED LOT D:
COMBINATION OF EXISTING LOTS D, E, F, AND G PARTIALLY LOCATED IN UV AND PARTIALLY LOCATED IN HC (HISTORIC CORE) ZONES

| ITEM | REQUIRED | EXISTING | PROVIDED | SEE PLAN |
|---|---|---|---|---|
| LOT AREA HC | N/A | 60,268.7 SQ FT | 60,268.7 SQ FT | SP-1 |
| LOT AREA UV | N/A | 49,433.6 SQ FT | 49,433.6 SQ FT | SP-1 |
| LOT AREA – TOTAL | N/A | 109,712.2 SQ FT | 109,712.2 SQ FT | SP-1 |
| MAIN STREET BUILDING HEIGHT<br>MINIMUM HEIGHT HC<br>MINIMUM HEIGHT UV<br>MAXIMUM HEIGHT HC<br>MAXIMUM HEIGHT UV | 2 STORIES<br>3 STORIES<br>5 STORIES<br>6 STORIES | | 7 STORIES– HC (2 STORIES(*2 )<br>UV (1 STORY *2) | A200–A204 |
| EXISTING WALLACE BUILDING HEIGHT<br>MINIMUM HEIGHT HC<br>MAXIMUM HEIGHT HC(5,7) | 2 STORIES<br>5 STORIES | 4 STORIES | 4 STORIES | A200–A204 |
| CATHARINE STREET BUILDING HEIGHT<br>MINIMUM HEIGHT HC<br>MAXIMUM HEIGHT HC(5,7) | 2 STORIES<br>5 STORIES | | 6 STORIES (1 STORY*2) | A200–A204 |
| MAXIMUM ACCESSORY BUILDING HEIGHT<br>HOUSING HC<br>HOUSING UV<br>OTHER HC<br>OTHER UV | 2 STORIES<br>2 STORIES<br>1 STORY<br>1 STORY | | N/A | A200–A204 |
| MINIMUM LOT COVERAGE HC | 75% REQ. | 54.98% (*1) | 89.7% (*4) | SP–1 |
| MINIMUM LOT COVERAGE UV | 50% REQ. | 11.24% (*1) | 61.4% (*4) | SP–1 |
| MINIMUM LOT COVERAGE – TOTAL | -- | 35.27% | 76.9% | SP–1 |
| MINIMUM COMMON/OPEN SPACE HC | 0% | 0% | 10.3% | SP–1 |
| MINIMUM COMMON/OPEN SPACE UV | 15% | 4.68% (*1) | 38.6% (*5) | SP–1 |
| MINIMUM COMMON/OPEN SPACE – TOTAL | 15% | 2.11% (*1) | 23.1% (*5) | SP–1 |
| SIDE YARD PER SIDE (MIN/MAX) HC– CATHARINE STREET | 0 FT | N/A | 0FT | SP–1 |
| SIDE YARD PER SIDE (MIN/MAX) UV – MAIN STREET | 0 FT / 10 FT | N/A | 0FT/25.8 (*2) | SP–1 |
| REAR YARD (MIN) HC | 0 FT | N/A | N/A | SP–1 |
| REAR YARD (MIN) UV | 8 FT | N/A | N/A | SP–1 |
| | | | | |
| MAIN STREET FRONT YARD (MIN/MAX) HC | 0 FT | 0 FT | 0 FT | SP–1 |
| MAIN STREET FRONT YARD (MIN/MAX) UV | 0 FT / 6 FT | 0 FT | 0 FT | SP–1 |
| MAIN STREET FRONTAGE OCCUPANCY (MIN/MAX) HC (*3) | 100% | N/A | 78.13% (*2) | SP–1 |
| MAIN STREET FRONTAGE OCCUPANCY (MIN/MAX) UV | 80%–100% | N/A | 100% | SP–1 |
| MAIN STREET FRONT YARD PARKING SETBACKS (MIN) HC/UV | 40 FT | 213.5FT | >40 FT | SP–1 |
| MAIN STREET PARKING FORWARD OF BUILDING LINE (HC/UV) | NONE | NONE | NONE | SP–1 |
| MAIN STREET REQUIRED BUILDING STEPBACK | OVER 114 FT<br>(TWICE ROW WIDTH) | N/A | N/A | SP–1 |
| | | | | |
| WALLACE BUILDING FRONT YARD (MIN/MAX) HC | 0 FT | 0 FT | 0 FT | SP–1 |
| WALLACE BUILDING FRONTAGE OCCUPANCY (MIN/MAX) HC (*3) | 100% | N/A | 78.13% (*2) | SP–1 |
| WALLACE BUILDING FRONT YARD PARKING SETBACKS (MIN) HC | 40 FT | N/A | >40 FT | SP–1 |
| WALLACE BUILDING PARKING FORWARD OF BUILDING LINE HC | NONE | NONE | NONE | SP–1 |
| | | | | |
| CATHARINE STREET FRONT YARD (MIN/MAX) HC | 0 FT | 0 FT | 0 FT | SP–1 |
| CATHARINE STREET FRONTAGE OCCUPANCY (MIN/MAX) HC | 100% | 32.99% (*1) | 100% | SP–1 |
| CATHARINE STREET FRONT YARD PARKING SETBACKS (MIN) HC | 40 FT | 8.4 FT (*1) | >40 FT | SP–1 |
| CATHARINE STREET PARKING FORWARD OF BUILDING LINE HC | NONE | NONE | NONE | SP–1 |
| CATHARINE STREET REQUIRED BUILDING STEPBACK | OVER 88 FT (TWICE ROW WIDTH) | N/A | N/A | SP–1 |
| | | | | |
| MILL STREET (EAST) FRONT YARD (MIN/MAX) HC | 0 FT | NO BUILDING/PARKING LOT ACCESS (*1) | NO BUILDING/ PARKING LOT ACCESS (*2) | SP–1 |
| MILL STREET (EAST) FRONTAGE OCCUPANCY (MIN/MAX) HC | 100% | 0% PARKING LOT ACCESS (*1) | 0% PARKING LOT ACCESS (*2) | SP–1 |
| MILL STREET (EAST) FRONT YARD PARKING SETBACKS (MIN) HC | 40 FT | 0 FT (*1) | 1.5 FT (*2) | SP–1 |
| MILL STREET (EAST) PARKING FORWARD OF BUILDING LINE HC | NONE | YES (*1) (NO BUILDING) | YES–NO BUILDING (*2) | SP–1 |
| MILL STREET (EAST) PARKING VISIBLE FROM THE STREET | NONE | YES PARKING LOT ACCESS (*1) | YES PARKING LO ACCESS (*2) | |
| MILL STREET (WEST) FRONT YARD (MIN/MAX) UV | 0 FT / 6 FT | NO BUILDING/PARKING LOT ACCESS (*1) | NO BUILDING/PARKING LOT ACCESS (*2) | SP–1 |
| MILL STREET (WEST) FRONTAGE OCCUPANCY (MIN/MAX) UV | 80%–100% | 0% PARKING LOT ACCESS (*1) | 0% PARKING LOT ACCESS (*2) | SP–1 |
| MILL STREET (WEST) FRONT YARD PARKING SETBACKS (MIN) HC/UV | 40 FT | 0 FT (*1) | 2.5 FT (*2) | SP–1 |
| MILL STREET (WEST) PARKING FORWARD OF BUILDING LINE (HC/UV) | NONE | YES (*1) (NO BUILDING) | YES–NO BUILDING (*2) | SP–1 |
| MILL STREET (WEST) PARKING VISIBLE FROM THE STREET | NONE | YES PARKING LOT ACCESS (*1) | YES–PARKING LOT ACCESS (*2) | SP–1 |

302 MILL STREET

EXISTING / ADJOINING LOT/SHARED PARKING LOT A:
LOCATED IN PID-UV (POUGHKEEPSIE INNOVATION-URBAN VILLAGE) ZONE

| ITEM | REQ'D UV ZONE | PROVIDED UV ZONE | SEE PLAN |
|---|---|---|---|
| LOT AREA | N/A | 9,499.9 SQ FT | SP–1 |
| MAIN BUILDING HEIGHT<br>MINIMUM HEIGHT<br>MAXIMUM HEIGHT | 3 STORIES<br>6 STORIES | 2 1/2 STORIES (*1) | NA |
| MAXIMUM ACCESSORY BUILDING HEIGHT<br>HOUSING<br>OTHER | 2 STORIES<br>1 STORY | N/A<br>1 STORY | NA |
| MINIMUM LOT COVERAGE | 50% REQ. | 64.30% | SP–1 |
| MINIMUM OPEN SPACE | 15% REQ. | 32.73% | SP–1 |
| FRONT YARD (MIN/MAX) | 0 FT / 6 FT | 4.1 FT | SP–1 |
| SIDE YARD PER SIDE (MIN/MAX) | 0 FT / 10 FT | 0 FT | SP–1 |
| REAR YARD (MIN) | 8 FT | 0.4 FT (*1) | SP–1 |
| FRONTAGE OCCUPANCY (MIN/MAX) | 80%–100% | 60.6% (*1) | SP–1 |
| FRONT YARD PARKING SETBACKS (MIN) | 40 FT | NO PARKING ON LOT N/A | SP–1 |
| PARKING FORWARD OF BUILDING LINE | NONE | NONE | SP–1 |

304 MILL STREET

EXISTING / ADJOINING LOT/SHARED PARKING LOT B:
LOCATED IN PID-UV (POUGHKEEPSIE INNOVATION-URBAN VILLAGE) ZONE

| ITEM | REQ'D UV ZONE | PROVIDED UV ZONE | SEE PLAN |
|---|---|---|---|
| LOT AREA | N/A | 8,851.8 SQ FT | SP–1 |
| MAIN BUILDING HEIGHT<br>MINIMUM HEIGHT<br>MAXIMUM HEIGHT | 3 STORIES<br>6 STORIES | 3 STORIES | NA |
| MAXIMUM ACCESSORY BUILDING HEIGHT<br>HOUSING<br>OTHER | 2 STORIES<br>1 STORY | N/A<br>N/A | NA |
| MINIMUM LOT COVERAGE | 50% REQ. | 20.8% (*1) | SP–1 |
| MINIMUM OPEN SPACE | 15% REQ. | 26.59% | SP–1 |
| FRONT YARD (MIN/MAX) | 0 FT / 6 FT | 4.5 FT | SP–1 |
| SIDE YARD PER SIDE (MIN/MAX) | 0 FT / 10 FT | 1.5 FT | SP–1 |
| REAR YARD (MIN) | 8 FT | 99.4 FT | SP–1 |
| FRONTAGE OCCUPANCY (MIN/MAX) | 80%–100% | 14.47% (*1) | SP–1 |
| FRONT YARD PARKING SETBACKS (MIN) | 40 FT | > 40FT | SP–1 |
| PARKING FORWARD OF BUILDING LINE | NONE | NONE | SP–1 |

306 MILL STREET

EXISTING / ADJOINING LOT/SHARED PARKING LOT C:
LOCATED IN PID-UV (POUGHKEEPSIE INNOVATION-URBAN VILLAGE) ZONE

| ITEM | REQ'D UV ZONE | PROVIDED UV ZONE | SEE PLAN |
|---|---|---|---|
| LOT AREA | N/A | 4,616.4 SQ FT | SP–1 |
| MAIN BUILDING HEIGHT<br>MINIMUM HEIGHT<br>MAXIMUM HEIGHT | 3 STORIES<br>6 STORIES | 2 1/2 STORIES (*1) | NA |
| MAXIMUM ACCESSORY BUILDING HEIGHT<br>HOUSING<br>OTHER | 2 STORIES<br>1 STORY | N/A<br>N/A | NA |
| MINIMUM LOT COVERAGE | 50% REQ. | 32.66% (*1) | SP–1 |
| MINIMUM OPEN SPACE | 15% REQ. | 23.35% | SP–1 |
| FRONT YARD (MIN/MAX) | 0 FT / 6 FT | 4.3 FT | SP–1 |
| SIDE YARD PER SIDE (MIN/MAX) | 0 FT / 10 FT | 0.3 FT | SP–1 |
| REAR YARD (MIN) | 8 FT | 62.2 FT | SP–1 |
| FRONTAGE OCCUPANCY (MIN/MAX) | 80%–100% | 14.92% (*1) | SP–1 |
| FRONT YARD PARKING SETBACKS (MIN) | 40 FT | > 40FT | SP–1 |
| PARKING FORWARD OF BUILDING LINE | NONE | NONE | SP–1 |

310 MILL STREET

EXISTING / ADJOINING LOT/SHARED PARKING
LOCATED IN HC (HISTORIC CORE) ZONE

| ITEM | REQUIRED | PROVIDED | SEE PLAN |
|---|---|---|---|
| LOT AREA | N/A | 4,503.0 SQ FT | SP–1 |
| MAIN BUILDING HEIGHT<br>MINIMUM HEIGHT<br>MAXIMUM HEIGHT | 2 STORIES<br>7 STORIES | 2 1/2 STORIES | NA |
| MAXIMUM ACCESSORY BUILDING HEIGHT<br>HOUSING<br>OTHER | 2 STORIES<br>1 STORY | N/A | NA |
| MINIMUM LOT COVERAGE | 75% REQ. | 36.4% (*1) | SP–1 |
| MINIMUM OPEN SPACE | 0 REQUIRED | 41.7% | SP–1 |
| FRONT YARD (MIN/MAX) | 0 FT | 0 FT | SP–1 |
| SIDE YARD PER SIDE (MIN/MAX) | 0 FT | 1.2 FT | SP–1 |
| REAR YARD (MIN) | 0 FT | 58.6 FT | SP–1 |
| FRONTAGE OCCUPANCY (MIN/MAX) | 100% | 85.37% (*1) | SP–1 |
| FRONT YARD PARKING SETBACKS (MIN) | 40 FT | > 40FT | SP–1 |
| PARKING FORWARD OF BUILDING LINE | NONE | NONE | SP–1 |

NOTES:
*1 –EXISTING NON–CONFORMING USE
*2 – AREA VARIANCE REQUIRED
*3 – TOTAL MAIN STREET FRONTAGE OCCUPANCY, PARTIALLY OCCUPIED BY EACH OF THE 2 BUILDINGS
*4 – ENTIRE FOOTPRINT OF MAIN STREET BUILDING INCLUDED IN CALCULATION, INCLUDING AREA COVERED WITH PERMEABLE GREEN ROOF
*5 – AREA OF PERMEABLE GREEN ROOF NOT INCLUDED IN CALCULATION

PARKING REQUIREMENTS

| BUILDING | PROPOSED USE | SIZE | ZONE | PARKING RATIO | REQUIRED SPACES | PROPOSED SPACES |
|---|---|---|---|---|---|---|
| MAIN STREET BUILDING | RESIDENTIAL (87 UNITS) | 23 UNITS | PID–HC | 0 SPACES/UNIT | 0 | |
| | | 64 UNITS | PID–UV | 0.5 SPACES/UNIT | 32 | |
| | | | PID–UV | 1 VISITOR SPACE/10 UNITS | 7 | |
| | RETAIL | 3,331 SF | PID–UV/ PID–HC | 0 SPACES/SF | 0 | |
| CATHARINE STREET BUILDING | RESIDENTIAL | 60 UNITS | PID–HC | 0 SPACES/UNIT | 0 | |
| | DAY CARE | 10,197 SF<br>7 CLASSROOMS | PID–HC | 1 SPACE PER CLASSROOM | 7 | |
| WALLACE BUILDING | RESIDENTIAL | 67 UNITS | PID–HC | 0 SPACES/UNIT | 0 | |
| | RETAIL | 3,085 SF | PID–HC | 0 SPACES/SF | 0 | |
| | FITNESS CENTER | 29,000 SF | PID–HC | 0.96 SPACES/1000 SF | 28 | |
| 302/304 /306 MILL STREET BUILDINGS | RESIDENTIAL | | | | 12 | |
| 310 MILL | OFFICE | | | | 6 | |
| | | | | TOTAL | 92 | 62 |

NOTES:
1. PARKING DEMANDS DEVELOPED BY THE MASER PARKING REQUIREMENT.

# BICYCLE PARKING TABLE

RESIDENTIAL USES – MAIN STREET, WALLACE & CATHARINE STREET BUILDINGS (247 BEDROOMS PROPOSED)

| TYPE | NUMBER BEDROOMS | REQUIRED/ PER BDRM | REQUIRED | PROVIDED | |
|---|---|---|---|---|---|
| LONG TERM | 247 BR | 0.5 | 124 | 124 | CELLARS OF BUILDINGS |
| SHORT TERM | 247 BR | 0.05 | 13 | 13 | ONSITE ON CAMPUS |

RESIDENTIAL USES –302, 304,306 (20 BEDROOMS)

| TYPE | NUMBER BEDROOMS | REQUIRED/ PER BDRM | REQUIRED | PROVIDED | |
|---|---|---|---|---|---|
| LONG TERM | 19 BR | 0.5 | 10 | 10 | ONSITE ON CAMPUS |
| SHORT TERM | 19 BR | 0.05 | 2 | 2 | ONSITE ON CAMPUS |

OTHER USES – ON SITE BICYCLE PARKING: MAIN, CATHERINE AND WALLACE BUILDINGS

| TYPE | TYPE | PROPOSED SF | REQUIRED/SF | REQUIRED | PROVIDED |
|---|---|---|---|---|---|
| LONG TERM | RETAIL | 6,416 | 1 PER 12K SF | 2 SPACES MIN | 2 ON CAMPUS |
| SHORT TERM | RETAIL | 6,416 | 1 PER 5K SF | 2 SPACES MIN | 2 ON CAMPUS |

OTHER USES – ON SITE BICYCLE PARKING: OFFICE AND NON-RETAIL MAIN, CATHERINE AND WALLACE BUILDINGS

| TYPE | TYPE | PROPOSED SF | REQUIRED/SF | REQUIRED | PROVIDED |
|---|---|---|---|---|---|
| LONG TERM | OFFICE/NON RETAIL | 38,416 | 1 PER 10K SF | 3.8 SPACES | 4 ON CAMPUS |
| SHORT TERM | OFFICE/NON RETAIL | 38,416 | 1 PER 20K SF | 2 SPACES MIN | 2 ON CAMPUS |

OTHER USES – ON SITE BICYCLE PARKING: GREEN AREA /FITNESS CENTER/DAYCARE

| TYPE | TYPE | REQUIRED | PROVIDED |
|---|---|---|---|
| SHORT TERM | OUTDOOR GREEN | AS DETERMINED BY PLANNING BOARD | 10 ON CAMPUS |

TOTAL BICYCLE PARKING REQUIREMENTS FOR WALLACE CAMPUS

| TYPE | REQUIRED | PROVIDED |
|---|---|---|
| LONG TERM | 139.9 SPACES | 124 CELLARS OF BUILDING<br>16 ON CAMPUS |
| SHORT TERM | 29 SPACES | 29 ON CAMPUS |

STATE OF NEW YORK
RONNETTE MORRISON
LICENSED PROFESSIONAL ENGINEER
071104

| # | Date | Description |
|---|---|---|
| 1 | 06.05.20 | REVISED PER CITY COMMENTS |
| 2 | 07.10.20 | PLANNING BOARD RE–SUBMISSION |
| 3 | 11.03.20 | PLANNING BOARD RE–SUBMISSION |
| 4 | 01.05.21 | RESPONSE TO CONSULTANT COMMENTS |
| 5 | 03.02.21 | RESPONSE TO CONSULTANT COMMENTS |

Revisions


LRC GROUP
• Land Planning
• Civil Engineering
• Environmental Services
• Land Surveying
• Landscape Architecture
85 Civic Center Plaza, Suite 103
Poughkeepsie NY 12601
Tel: 845.243.2880
160 West Street, Suite E
Cromwell, CT 06416
Tel: 860.635.2877
1 International Blvd, Suite 400
Mahwah, NJ 07495
Tel: 908.603.5730
www.lrcconsult.com
LRC Engineering & Surveying, DPC
LRC Engineering & Surveying, LLC
LRC Environmental Services, Inc.


# SITE PLAN
# BULK TABLES

## WALLACE CAMPUS MANAGER, LLC

WALLACE CAMPUS
CITY OF POUGHKEEPSIE,
DUTCHESS COUNTY, NEW YORK

| | | | |
|---|---|---|---|
| Design/Calcs | LRC | CAD File | SP20254802.dwg |
| Drawn | SMC | Project No. | 20–2548 |
| Checked | KFC | Date | 2020.04.10 |
| Approved | REM | Scale | 1"=20' |

Sheet No. SP-2

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## COMPACTION AND BACKFILL NOTES

UNLESS OTHERWISE SPECIFIED OR APPROVED BY THE SITE ENGINEER, ALL SITE SUBGRADE AND BACKFILL FOR ALL STRUCTURES INCLUDING, BUT NOT LIMITED TO, PARKING LOT SUBGRADE, ROAD SUBGRADE, CONCRETE PADS AND SIDEWALKS, WATER LINES AND STRUCTURES, SEWER LINES AND STRUCTURES, STORM LINES AND STRUCTURES, TRASH PADS/ENCLOSURES, AND SITE ELECTRICAL AND CONDUIT, SHALL BE COMPACTED IN ACCORDANCE WITH THE FOLLOWING STANDARD.

METHODS OF CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION (NYSDOT) STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, DATED MAY 1, 2008, AND ALL ADDENDA THERETO

## GRADING AND DRAINAGE NOTES

1. ALL EXISTING STRUCTURES NOTED TO BE REMOVED, FENCING, TREES, ETC., WITHIN CONSTRUCTION AREA SHALL BE REMOVED & DISPOSED OF OFF SITE. ANY BURNING ON SITE SHALL BE SUBJECT TO LOCAL ORDINANCES.
2. CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES HAVING UNDERGROUND UTILITIES ON SITE OR IN RIGHT-OF-WAY PRIOR TO EXCAVATION. CONTRACTOR SHALL CONTACT UTILITY LOCATING COMPANY AND LOCATE ALL UTILITIES PRIOR TO GRADING START.
3. SITE GRADING SHALL NOT PROCEED UNTIL EROSION CONTROL MEASURES HAVE BEEN INSTALLED.

## LEGEND

- PROPOSED ASPHALT
- X 162 — PROPOSED SPOT ELEVATION
- 162 — PROPOSED MINOR CONTOUR LINE
- 160 — PROPOSED MAJOR CONTOUR LINE
- PROPOSED STORM PIPE

GRAPHIC SCALE
20 10 0 20
SCALE IN FEET

| # | Date | Description |
|---|---|---|
| 1 | 06.05.20 | REVISED PER CITY COMMENTS |
| 2 | 07.10.20 | PLANNING BOARD RE-SUBMISSION |
| 3 | 11.03.20 | PLANNING BOARD RE-SUBMISSION |
| 4 | 01.05.21 | RESPONSE TO CONSULTANT COMMENTS |
| 5 | 03.02.21 | RESPONSE TO CONSULTANT COMMENTS |

Revisions


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- Land Planning
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- Landscape Architecture

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www.lrcconsult.com

LRC Engineering & Surveying, DPC
LRC Engineering & Surveying, LLC
LRC Environmental Services, Inc.


# SITE GRADING / DRAINAGE PLAN

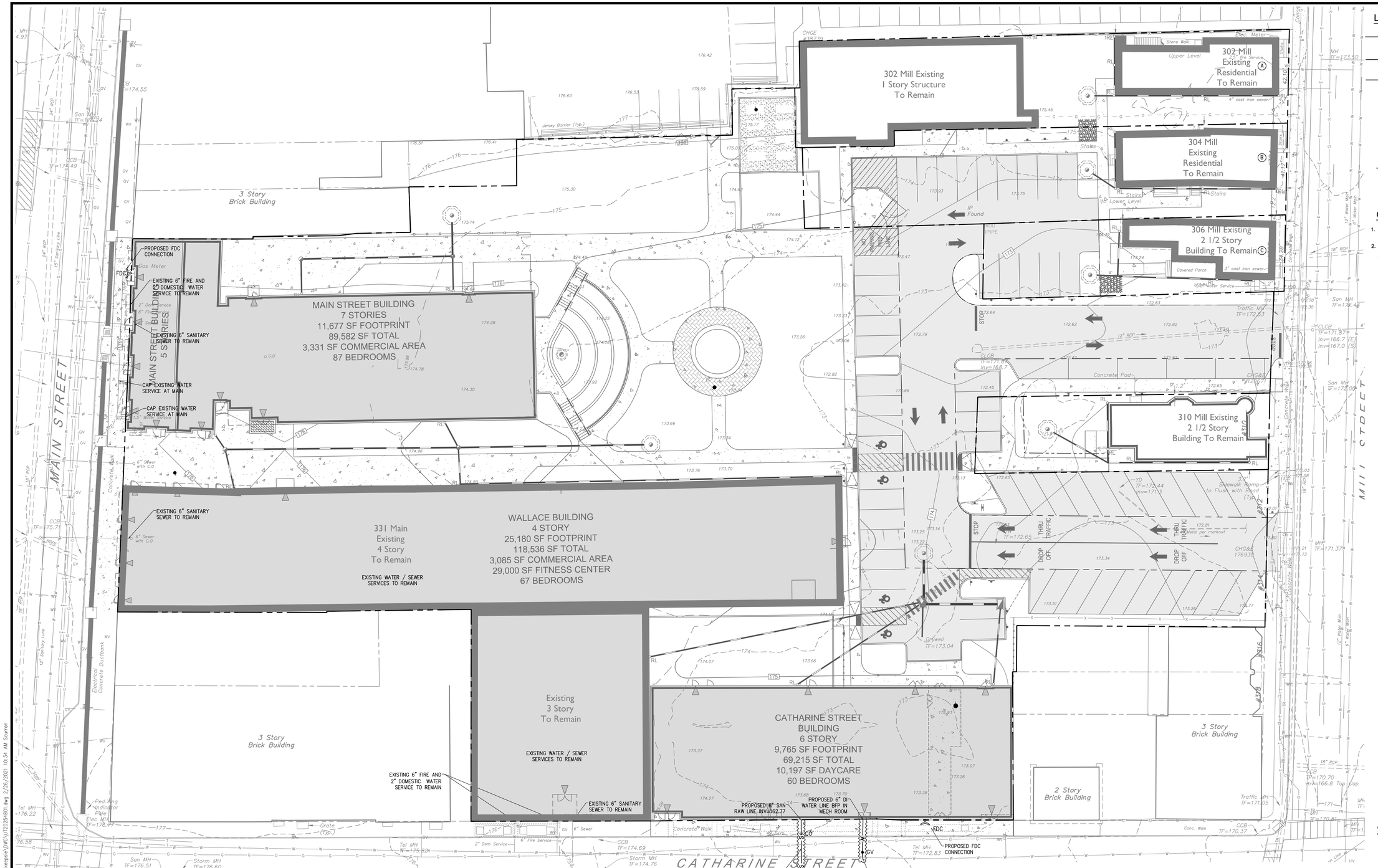
WALLACE CAMPUS MANAGER, LLC

WALLACE CAMPUS
CITY OF POUGHKEEPSIE,
DUTCHESS COUNTY, NEW YORK

| | | | |
|---|---|---|---|
| Design/Calcs | LRC | CAD File | SG20254801.dwg |
| Drawn | SMC | Project No. | 20-2548 |
| Checked | KFC | Date | 2020.04.10 |
| Approved | REM | Scale | 1"=20' |

Sheet No. SG-1

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## LEGEND

- S — PROPOSED SANITARY SERVICE
- W — PROPOSED WATER SERVICE
- G — PROPOSED GAS SERVICE
- DCO — PROPOSED DOUBLE SANITARY CLEANOUT
- WSO — PROPOSED WATER SHUT OFF VALVE
- PROPOSED SANITARY MANHOLE
- PROPOSED SAWCUT
- (A) (B) (C) EXISTING WATER / SEWER TO REMAIN

## CONTRACTOR NOTES

1. BACKFLOW PREVENTION IS REQUIRED FOR BOTH THE FIRE AND DOMESTIC WATER SERVICE CONNECTIONS.
2. TAPPING SLEEVE VALVE AND CURB VALVE IN THE STREET ARE TO BE RIGHT OPEN PER CITY OF POUGHKEEPSIE DPW REQUIREMENTS.

SEE NS-1 FOR WATER / SEWER NOTES

GRAPHIC SCALE
20 10 0 20
SCALE IN FEET

STATE OF NEW YORK
RODNEY E. MORRISON
LICENSED PROFESSIONAL ENGINEER
071804

| # | Date | Description |
|---|---|---|
| 1 | 06.05.20 | REVISED PER CITY COMMENTS |
| 2 | 07.10.20 | PLANNING BOARD RE-SUBMISSION |
| 3 | 11.03.20 | PLANNING BOARD RE-SUBMISSION |
| 4 | 01.05.21 | RESPONSE TO CONSULTANT COMMENTS |
| 5 | 03.02.21 | RESPONSE TO CONSULTANT COMMENTS |

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LRC Engineering & Surveying, DPC
LRC Engineering & Surveying, LLC
LRC Environmental Services, Inc.

# UTILITIES PLAN

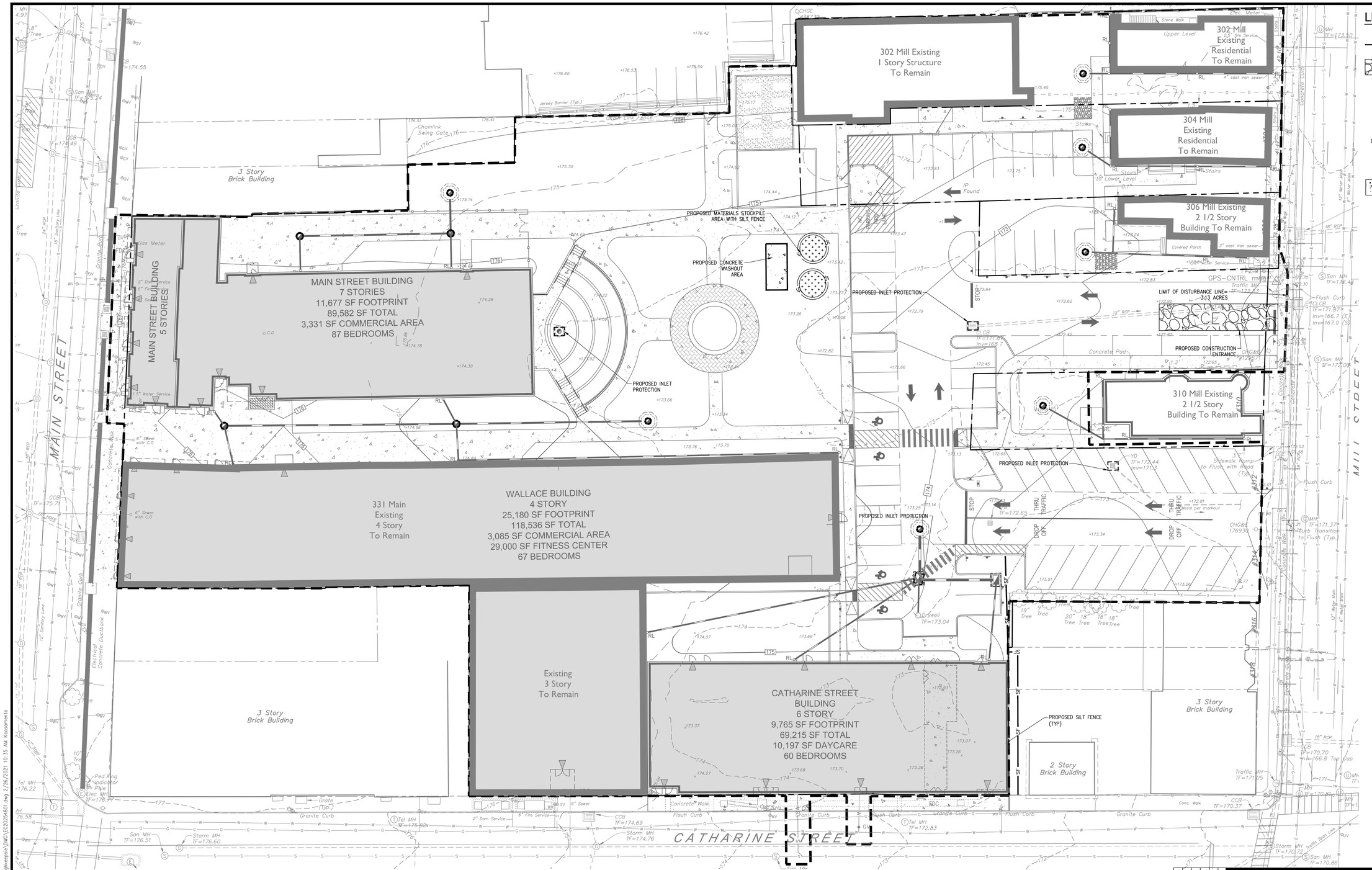
## WALLACE CAMPUS MANAGER, LLC

WALLACE CAMPUS
CITY OF POUGHKEEPSIE,
DUTCHESS COUNTY, NEW YORK

| | | | |
|---|---|---|---|
| Design/Calcs | LRC | CAD File | UT20254801.dwg |
| Drawn | SMC | Project No. | 20-2548 |
| Checked | KFC | Date | 2020.04.10 |
| Approved | REM | Scale | 1"=20' |

Sheet No. UT-1

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MAIN STREET
MILL STREET
CATHARINE STREET
302 Mill Existing
1 Story Structure
To Remain
302 Mill
Existing
Residential
To Remain
304 Mill
Existing
Residential
To Remain
306 Mill Existing
2 1/2 Story
Building To Remain
310 Mill Existing
2 1/2 Story
Building To Remain
MAIN STREET BUILDING
7 STORIES
11,677 SF FOOTPRINT
89,582 SF TOTAL
3,331 SF COMMERCIAL AREA
87 BEDROOMS
MAIN STREET BUILDING
5 STORIES
331 Main
Existing
4 Story
To Remain
WALLACE BUILDING
4 STORY
25,180 SF FOOTPRINT
118,536 SF TOTAL
3,085 SF COMMERCIAL AREA
29,000 SF FITNESS CENTER
67 BEDROOMS
Existing
3 Story
To Remain
CATHARINE STREET
BUILDING
6 STORY
9,765 SF FOOTPRINT
69,215 SF TOTAL
10,197 SF DAYCARE
60 BEDROOMS
3 Story
Brick Building
2 Story
Brick Building
PROPOSED MATERIALS STOCKPILE AREA, WITH SILT FENCE
PROPOSED CONCRETE WASHOUT AREA
PROPOSED INLET PROTECTION
PROPOSED CONSTRUCTION ENTRANCE
LIMIT OF DISTURBANCE LINE= 3.13 ACRES
PROPOSED SILT FENCE (TYP)
Concrete Pad
Chainlink Swing Gate
Jersey Barrier (Typ.)
Stone Walk
Upper Level
Lower Level
Stairs
Stairs
Stairs
Covered Porch
Gas Meter
Water Service
Fire Service
Sewer with C.O
Concrete Walk
Granite Curb
Flush Curb
Concrete Curb
Electrical Concrete Ductbank
Ped Xing Indicator
Pole
Elec MH
Tel MH
Storm MH
San MH
Traffic MH
Drywell
Grate (Typ.)
Sidewalk Ramp to Flush with Road (Typ.)
Curb Transition to Flush (Typ.)
Metal per markout
Tree
Stairs
Stairs
Stairs

# CITY OF POUGHKEEPSIE WATER NOTES

1. ALL WATER MAINS SHALL BE CEMENT LINED DUCTILE IRON PIPE, CLASS 52 PUSH-ON JOINT, UNLESS OTHERWISE SPECIFIED BY OR APPROVED BY THE CITY OF POUGHKEEPSIE WATER DEPARTMENT. JOINTING SHALL EMPLOY "MEGALUG" CONNECTIONS, FIELD LOCK GASKET, OR AS ALTERNATIVELY SPECIFIED BY THE CITY OF POUGHKEEPSIE WATER DEPARTMENT. ALL WATER PIPING CONSTRUCTION SHALL BE TO THE SPECIFICATIONS OF THE CITY OF POUGHKEEPSIE WATER DEPARTMENT. WET TAP OF PUBLIC WATER SYSTEM SHALL BE APPROVED AND SUPERVISED BY THE CITY OF POUGHKEEPSIE WATER DEPARTMENT. TAPPING SLEEVE SHALL BE STAINLESS STEEL OR APPROVED EQUAL. ALL MAINLINE VALVES SHALL BE RESILIENT WEDGE OR APPROVED EQUAL.

2. THE WATER LINE MAY BE FLEXED WITHIN PIPE SPECIFICATIONS OR LAID DEEPER IN AREAS WHERE A CROSSING WITH A SANITARY LINE OCCURS, TO ACHIEVE THE REQUIRED 1.5' VERTICAL SEPARATION DISTANCE. IF THIS DISTANCE CANNOT BE REASONABLY ACHIEVED, THE CONTRACTOR SHALL USE PRESSURE RATED SANITARY PIPE OF EQUAL OR GREATER RATING THAN THE PRESSURE CLASS FOR THE WATER LINE.

3. MINIMUM VERTICAL SEPARATION BETWEEN WATER MAINS AND SEWER PIPE SHALL BE 18 INCHES MEASURED FROM THE OUTSIDE OF THE PIPES AT THE POINT OF CROSSING. ONE FULL STANDARD LAYING LENGTH OF WATER MAIN SHALL BE CENTERED UNDER OR OVER THE SEWER SO THAT BOTH JOINTS WILL BE AS FAR FROM THE SEWER LINE AS POSSIBLE. IN ADDITION, WHEN THE WATER MAIN PASSES UNDER A SEWER, ADEQUATE STRUCTURAL SUPPORT (COMPACTED SELECT FILL) SHALL BE PROVIDED FOR THE SEWER TO PREVENT EXCESSIVE DEFLECTION OF JOINTS AND SETTLING OF THE SEWER PIPE ON THE WATER MAIN. MINIMUM HORIZONTAL SEPARATION BETWEEN PARALLEL WATER MAINS AND SEWER PIPES (INCLUDING MANHOLES AND VAULTS) SHALL BE 10 FEET MEASURED FROM THE OUTSIDE OF THE PIPES, MANHOLES, OR VAULTS.

4. ALL WATER MAINS SHALL HAVE A MINIMUM OF (5) FIVE FEET OF COVER FROM THE TOP OF THE MAIN TO FINISHED GRADE. THE CONTRACTOR SHALL CHECK ALL FINISHED GRADE STAKES BEFORE TRENCHING TO ENSURE THAT ALL INSTALLED WATER MAINS WILL HAVE THE REQUIRED COVER.

5. THE SUPPLIER OF WATER MUST RECEIVE AT LEAST 48-HOUR ADVANCE NOTIFICATION REQUESTING SAMPLING SERVICES. SAMPLING WILL NOT BE PERFORMED PRIOR TO RECEIPT FROM A NEW YORK STATE LICENSED OR REGISTERED DESIGN PROFESSIONAL (ENGINEER, ARCHITECT, OR LAND SURVEYOR WITH A SPECIAL EXEMPTION UNDER SECTION 7208(N) OF THE EDUCATION LAW) CERTIFYING THAT THE WATER SUPPLY IMPROVEMENTS, TESTING AND DISINFECTION PROCEDURES WERE COMPLETED IN ACCORDANCE WITH THE APPROVED PLANS, REPORTS, SPECIFICATIONS, AND ANY APPROVED AMENDMENTS. A NYSDOH CERTIFIED LABORATORY WILL COLLECT SAMPLES FOR FREE CHLORINE RESIDUAL, TOTAL, AND FECAL COLIFORM AND 24-HOUR BACTERIAL PLATE COUNT. THE CERTIFICATE OF COMPLIANCE, TESTING, AND SAMPLING RESULTS SHALL BE PROVIDED TO THE CITY WATER MAINTENANCE SUPERVISOR AND DUTCHESS COUNTY DEPARTMENT OF HEALTH AS A CONDITION OF APPROVAL FOR OPERATION.

6. THE CONTRACTOR SHALL COORDINATE THE TESTING WITH THE WATER DEPARTMENT SO AS TO MAINTAIN THE AMOUNT OF SERVICE INTERRUPTION TO EXISTING USERS TO THE LEAST EXTENT PRACTICABLE. WATER MAIN INSTALLATION AND TESTING SHALL BE PERFORMED UNDER THE SUPERVISION OF THE PROJECT ENGINEER OR HIS DESIGNEE AS NECESSARY TO MEET CONDITIONS IN NOTE 5 ABOVE.

7. THE WATER MAIN SHALL BE PRESSURE LEAKAGE TESTED IN ACCORDANCE WITH THE MINIMUM REQUIREMENTS OF THE AWWA STANDARD C600 (LATEST REVISION) OR IN ACCORDANCE WITH MORE STRINGENT REQUIREMENTS IMPOSED BY THE SUPPLIER OF WATER. TEST TO FIRST VALVE WITHIN BUILDING.

8. THE WATER MAIN SHALL BE DISINFECTED EQUAL TO AWWA STANDARD FOR DISINFECTING WATER MAINS DESIGNATION C651 (LATEST REVISION). FOLLOWING DISINFECTION, THE WATER MAIN SHALL BE FLUSHED UNTIL THE CHLORINE CONCENTRATION IN THE WATER LEAVING THE MAIN IS NO HIGHER THAN THAT GENERALLY PREVAILING IN THE SYSTEM. THE PROJECT ENGINEER OR HIS DESIGNEE SHALL ALSO WITNESS DISINFECTION AND FLUSHING.

9. ALL WATER MAIN FITTINGS NOT RECEIVING 24-HOUR CHLORINE DISINFECTION CONTACT TIME MUST BE SWAB-DISINFECTED 30 MINUTES PRIOR TO INSTALLATION.

10. THE SAMPLING POINT(S) MUST BE DECONTAMINATED BY FLAMING.

11. FIRE HYDRANTS ARE NOT ACCEPTABLE SAMPLING POINTS, UNLESS OTHERWISE APPROVED BY SITE ENGINEER AND CITY OF POUGHKEEPSIE WATER DEPARTMENT.

12. FIRE HYDRANT WEEP HOLES (DRAINS) SHALL BE PLUGGED WHEN GROUND WATER IS ENCOUNTERED WITHIN SEVEN FEET OF THE FINISHED GRADE. WHEN DRAINS ARE PLUGGED, THE BARREL'S MUST BE PUMPED DRY AFTER USE DURING FREEZING WEATHER. SUCH HYDRANTS SHALL BE IDENTIFIED BY MARKINGS AS APPROVED BY THE CITY OF POUGHKEEPSIE.

13. PROPOSED WATER METERS LOCATED WITHIN THE METER PIT OR BUILDING SHALL BE A COMPATIBLE REMOTE STYLE TYPE (SENSUS), AND SHALL BE APPROVED BY THE CITY OF POUGHKEEPSIE WATER DEPARTMENT PRIOR TO INSTALLATION. WATER METER SHALL BE EQUIPPED WITH (RADIO TYPE REMOTE READER) TRANSCEIVER PROVIDED BY METER MANUFACTURER AND INSTALLED AND PROGRAMMED BY THE CITY OF POUGHKEEPSIE WATER DEPARTMENT.

14. THE WATER LINE SHALL BE INSTALLED AT A CONTINUOUS GRADE WITH NO ABRUPT HIGH POINTS OR LOW POINTS.

15. FINAL WATER DISTRIBUTION SYSTEM AND CERTIFICATION IS SUBJECT TO REVIEW, REVISION AND APPROVAL BY THE CITY OF POUGHKEEPSIE WATER DEPARTMENT AND THE DCDOH PRIOR TO APPROVAL TO OPERATE.

16. ALL WATER MAINS AND RELATED APPURTENANCES SHALL BE CONSTRUCTED TO THE LATEST STANDARDS AND SPECIFICATIONS OF THE CITY OF POUGHKEEPSIE.

17. THE WATER MAIN SHALL NOT BE PLACED INTO SERVICE UNTIL SO AUTHORIZED BY THE CITY OF POUGHKEEPSIE.

18. ALL WATER SERVICE CONSTRUCTION SHALL BE SUBJECT TO INSPECTION BY THE CITY WATER DEPARTMENT PRIOR TO BACKFILLING. BEDDING AND PIPE ZONE MATERIAL SHALL BE COMPOSED OF CRUSHED STONE OR LIGHT GRAVEL HAVING A GRADATION LIMIT OF 3/4" MINUS. AN ACCEPTABLE MATERIAL SHALL MEET THE FOLLOWING REQUIREMENT:

| SIEVE DESIGNATION | % PASSING |
|---|---|
| 3/4" | 100 |
| NO.40 | 0-70 |
| NO. 200 | 0-10 |

19. TRENCH BACKFILL SHALL BE WELL-GRADED SOIL AND GRAVEL MATERIAL. ALL PARTICLES SHALL HAVE A GRADATION OF 2" OR LESS. AN ACCEPTABLE MATERIAL SHALL MEET THE FOLLOWING REQUIREMENT:

| SIEVE DESIGNATION | % PASSING |
|---|---|
| 2 INCH | 100 |
| 1/4 INCH | 30-65 |
| NO. 40 | 5-40 |
| NO. 200 | 0-15 |

20. BEDDING AND BACKFILL MATERIAL SHALL BE STOCKPILED IN AMOUNTS NECESSARY FOR REASONABLE BACKFILLING REQUIREMENTS. A SIEVE ANALYSIS OF BEDDING OR BACKFILL MAY BE REQUIRED AT THE REQUEST OF THE CITY OF POUGHKEEPSIE.

21. THE SITE UTILITY CONTRACTOR SHALL BE RESPONSIBLE FOR ALL BURIED PIPING TO THE LOCATION OF THE PROPOSED BUILDING CONNECTION POINT (I.E. INSIDE THE BUILDING). THIS INCLUDES THE TESTING AND CERTIFICATION OF ALL WATER SERVICE WORK FROM THE CITY WATER CONNECTION POINT TO THE PROPOSED BUILDINGS INTERIOR CONNECTION POINT.

22. INDICATOR TAPE SHALL BE PLACED 12" BELOW FINISHED GRADE DIRECTLY ABOVE ALL WATERLINES.

23. ALL COPPER WATER SERVICE PIPING INSTALLATION, BACKFILL AND TESTING SHALL BE REVIEWED AND APPROVED BY THE CITY OF POUGHKEEPSIE WATER MAINTENANCE SUPERVISOR OR HIS DESIGNEE. BEDDING, PIPE ZONE, AND BACKFILL MATERIAL MUST BE SAND ONLY.

24. THE PIPE SUPPORTS FOR THE METER PIT SHALL BE MADE OF GALVANIZED STEEL AND SHALL BE ADJUSTABLE. THE SUPPORTS ARE TO BE PLACED ONLY BENEATH SPOOL PIECES AND NOT UNDER CRITICAL EQUIPMENT, METERS, ETC.

25. THREE AS-BUILT DRAWINGS WHICH INCLUDE VERIFICATION OF THE WATER INFRASTRUCTURE WILL BE PROVIDED TO THE PLANNING DEPARTMENT FOR DISSEMINATION TO THE ENGINEERING AND WATER DEPARTMENTS PRIOR TO ANY EASEMENT DEDICATION TO THE CITY.

# CITY OF POUGHKEEPSIE SANITARY SEWER NOTES

1. FLOOR DRAINS, IF CONSTRUCTED, SHALL BE CONNECTED TO THE SANITARY SEWER. FLOOR DRAINS DO NOT INCLUDE FOUNDATION/FOOTER DRAIN: ALL DISCHARGES TO THE SANITARY SEWER SHALL COMPLY WITH THE EFFLUENT LIMITS OF THE LOCAL AND/OR DUTCHESS COUNTY SANITARY CODE.

2. DEFLECTION TESTS SHALL BE PERFORMED ON ALL FLEXIBLE PIPES. THE TESTS SHALL BE CONDUCTED AFTER FINAL BACKFILL HAS BEEN IN PLACE AT LEAST 5 DAYS. NO PIPE SHALL EXCEED A DEFLECTION OF 5%. IF THE DEFLECTION TEST IS TO BE RUN USING A RIGID BALL OR MANDREL, IT SHALL HAVE A DIAMETER EQUAL TO 95% OF THE INSIDE DIAMETER OF THE PIPE. THE TEST SHALL BE PERFORMED WITHOUT MECHANICAL PULLING DEVICES.

3. SANITARY SEWERS AND APPURTENANCES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF THE CITY OF POUGHKEEPSIE. ALL SANITARY SEWER SYSTEM COMPONENTS SHALL BE INSTALLED BY OR UNDER THE SUPERVISION OF A CITY OF POUGHKEEPSIE LICENSED PLUMBER IN ACCORDANCE WITH THE CITY PLUMBING CODE.

4. MAJOR EARTHWORK SHALL BE COMPLETED PRIOR TO INSTALLATION OF ANY SANITARY SEWER MAINS AND APPURTENANCES. AIR CONNECTING SEWER LINES SHALL BE FLUSHED BEFORE TESTED.

5. MAXIMUM ALLOWABLE INFILTRATION OR EXFILTRATION SHALL NOT EXCEED 100 GALLONS PER INCH DIAMETER PER MILE OF PIPE PER DAY FOR THE SANITARY SEWER. IF AN AIR TEST IS USED, THE TEST, AS A MINIMUM, SHALL CONFORM TO THE PROCEDURE DESCRIBED IN THE ASTM -F-1417 (1992) ENTITLED "STANDARD PRACTICE FOR INSTALLATION ACCEPTANCE OF GRAVITY SEWER LINES USING LOW PRESSURE AIR" (RE-APPROVED 1998). SANITARY MANHOLES SHALL BE VISUALLY INSPECTED AND TESTED FOR LEAKAGE BY EXFILTRATION OR VACUUM. VACUUM TESTING OF MANHOLES SHALL COMPLY WITH THE METHOD OUTLINED IN THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION TECHNICAL INFORMATION PAMPHLET (TIP) NO.15 (REVISED).

6. SANITARY SEWER MAINS ARE TO BE POLYVINYL CHLORIDE (PVC) AND SANITARY LATERALS SHALL BE PVC, SDR-35, UNLESS OTHERWISE NOTED.

7. FINAL SEWER COLLECTION SYSTEM LAYOUT IS SUBJECT TO REVIEW, REVISION AND APPROVAL BY THE CITY OF POUGHKEEPSIE SEWER DEPARTMENT.

8. ALL SANITARY PIPE AND/OR MANHOLES SHALL BE A MINIMUM OF TEN (10) HORIZONTAL FEET FROM THE WATER MAIN. SANITARY PIPE SHALL HAVE A MINIMUM 18" SEPARATION FROM ANY WATER MAIN OR WATER SERVICE LINE. IF FOR SOME REASON THIS SEPARATION CANNOT BE ACHIEVED, SANITARY SEWER PIPE IN THE AREA SHALL BE SDR-26 PRESSURE RATED PIPE, (OR BE ENCASED PER THE DETAIL ON DN-3) AND ONE FULL LENGTH OF WATER MAIN SHALL BE CENTERED UNDER OR OVER THE SEWER. ALL SANITARY SEWER CONSTRUCTION SHALL BE TO SPECIFICATIONS OF THE CITY OF POUGHKEEPSIE SEWER DEPARTMENT.

9. ALL SANITARY TESTING SHALL BE PERFORMED UNDER THE SUPERVISION OF THE PROJECT ENGINEER, AND CERTIFICATES OF COMPLIANCE WITH THE INSTALLATION SPECIFICATIONS, TEST STANDARDS, APPROVED PLANS OR APPROVED AMENDMENTS SHALL BE PROVIDED TO THE APPROPRIATE SEWER AUTHORITY AND THE DCDOH AS A CONDITION OF APPROVAL FOR OPERATION.

10. ALL SANITARY SEWER CONSTRUCTION SHALL BE SUBJECT TO INSPECTION BY THE CITY SEWER SUPERINTENDENT PRIOR TO BACKFILLING. PIPE BEDDING AND PIPE ZONE MATERIAL SHALL BE COMPOSED OF CRUSHED STONE OR GRAVEL, FREE OF SOFT NONDURABLE PARTICLES WITH THE FOLLOWING GRADATION REQUIREMENTS:

| SIEVE DESIGNATION | % PASSING |
|---|---|
| 3/4" | 100 |
| NO.40 | 0-70 |
| NO. 200 | 0-10 |

ALL TRENCH BACKFILL MATERIAL SHALL BE APPROVED BY THE SUPERINTENDENT OF SEWERS AND MUST MEET THE FOLLOWING GRADATION REQUIREMENT:

| SIEVE DESIGNATION | % PASSING |
|---|---|
| 2 INCH | 100 |
| 1/4 INCH | 30-65 |
| NO.40 | 5-40 |
| NO. 200 | 0-15 |

BEDDING AND BACKFILL MATERIAL SHALL BE STOCKPILED IN AMOUNTS NECESSARY FOR REASONABLE BACKFILLING REQUIREMENTS. A SIEVE ANALYSIS OF BEDDING OR BACKFILL MAY BE REQUIRED AT THE REQUEST OF THE CITY OF POUGHKEEPSIE.

11. ALL NEW SANITARY SEWER MANHOLE COVERS SHALL BE NOMINAL 26" DIAMETER CAST IRON AND SHALL READ "SANITARY SEWER". FRAMES SHALL BE 8" IN HEIGHT AND THE FRAME AND COVER SHALL BE SYRACUSE CASTINGS NO.1 009 OR AN APPROVED EQUAL.

12. INDICATOR TAPE SHALL BE PLACED 12" BELOW FINISHED GRADE DIRECTLY ABOVE ALL SANITARY LINES.

13. LOCATION OF SEWER LATERAL CLEAN OUTS ARE TO BE PLACED AS SHOWN ON THE APPROVED SITE PLAN AND NOT TO EXCEED EVERY 75' MEASURED FROM THE SEWER MAIN CONNECTION OR AS DETERMINED BY THE CITY OF POUGHKEEPSIE SUPERINTENDENT OF SEWERS WHERE LOCATIONS ARE NOT SPECIFICALLY SHOWN.

14. EXTERNAL DROP MANHOLES SHALL BE USED FOR SEWERS ENTERING AT AN ELEVATION OF 24 INCHES OR HIGHER AT THE INLET OF A SEWER MANHOLE.

15. THREE AS-BUILT DRAWINGS WHICH INCLUDE VERIFICATION OF THE SEWER INFRASTRUCTURE INCLUDING RIMS AND INVERTS WILL BE PROVIDED TO THE PLANNING DEPARTMENT FOR DISSEMINATION TO THE ENGINEERING AND SEWER DEPARTMENTS PRIOR TO ANY EASEMENT DEDICATION TO THE CITY.

# COMPACTION AND BACKFILL NOTES

UNLESS OTHERWISE SPECIFIED OR APPROVED BY THE SITE ENGINEER, ALL SITE SUBGRADE AND BACKFILL FOR ALL STRUCTURES INCLUDING, BUT NOT LIMITED TO, PARKING LOT SUBGRADE, ROAD SUBGRADE, CONCRETE PADS AND SIDEWALKS, WATER LINES AND STRUCTURES, SEWER LINES AND STRUCTURES, STORM LINES AND STRUCTURES, TRASH PADS/ENCLOSURES, AND SITE ELECTRICAL AND CONDUIT, SHALL BE COMPACTED IN ACCORDANCE WITH THE FOLLOWING STANDARD.

METHODS OF CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION (NYSDOT) STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, DATED MAY 1, 2008, AND ALL ADDENDA THERETO

## DECOMPACTION OF SOILS IN RECLAIMED AREAS:

THESE PROCEDURES SHALL BE FOLLOWED PRIOR TO INSTALLATION OF TOP SOIL OR INFILTRATION PRACTICES IN ANY AREA PREVIOUSLY IMPERVIOUS OR COMPACTED BY COSTRUCTION EQUIPMENT. FOR ALL AREAS TO BE RECLAIMED FOR STORMWATER INFILTRATION, THE AREA SHALL BE MARKED OFF WITH ORANGE SAFETY FENCE AFTER DEMOLITION AND PRIOR TO DECOMPACTION TO PREVENT FURTHER COMPACTION OF THE UNDERLYING SOILS.

AREAS RECLAIMED AS TOP SOIL:

A. APPLY 3" OF COMPOST OVER SUBSOIL AFTER SUBGRADE LEVELS HAVE BEEN REACHED AND IMMEDIATELY PRIOR TO PLACING PLANTING SOILS.

B. THE ENTIRE SUBGRADE AREA SHALL BE LOOSENED TO A MINIMUM DEPTH OF 12 INCHES UTILIZING THE BUCKET OF A BACK HOE, CAT MOUNTED RIPPER, TILLER, OR EQUIVALENT EQUIPMENT. ROCK PICK ONLY UNTIL UPLIFTED STONE/ROCK MATERIAL OF FOUR INCHES AND LARGER SIZE HAVE BEEN CLEARED FROM THE SITE.

C. ANY SUBGRADE AREAS WHICH HAVE BECOME HEAVILY COMPACTED (DEFINED AS EXCEEDING 86%-88% COMPACTION ASTM 698 STANDARD PROCTOR) INCLUDING, BUT NOT LIMITED TO, TEMPORARY PARKING AREAS, MATERIAL STOCKPILE AREAS, TEMPORARY ROADWAYS, CONSTRUCTION AREAS AND AREAS AROUND THE BUILDING, OTHER CONSTRUCTION AREAS, AREAS SHOWN ON THE PLANS, OR AREAS IDENTIFIED BY THE DESIGN PROFESSIONAL SHALL BE DEEP-SCARIFIED. IMMEDIATELY PRIOR TO PLACING SOILS, HEAVILY COMPACTED AREAS SHALL BE LOOSENED TO A MINIMUM DEPTH OF 18 INCHES USING THE TEETH OF A BACK HOE OR OTHER SUITABLE EQUIPMENT. FREQUENCY OF COMPACTION TESTS SHALL BE ONE PER 500 SQUARE FEET.

D. CONFIRM THAT THE SUBGRADE IS AT THE PROPER ELEVATION AND THAT NO FURTHER EARTHWORK IS REQUIRED TO BRING THE SUBGRADE TO PROPER ELEVATIONS. PROVIDE A REPORT TO THE DESIGN PROFESSIONAL THAT THE SUBGRADE HAS BEEN PLACED TO THE REQUIRED ELEVATIONS, HAS BEEN DECOMPACTED ACCORDING TO THE CONTRACT DOCUMENTS AND IS READY FOR INSPECTION AT LEAST 3 DAYS PRIOR TO PLACING PLANTING SOIL. PERFORM NO WORK OF PLACING AND SPREADING PLANTING MIXED UNTIL ELEVATIONS HAVE BEEN CONFIRMED AND THE AREA HAS BEEN ACCEPTED BY THE OWNER'S REPRESENTATIVE.

E. AFTER THE SOILS HAVE BEEN LOOSENED AND INSPECTED, TOPSOIL MAY BE SPREAD BY USING A WIDE-TRACK BULLDOZER SIZE D-5 OR SMALLER OR MAY BE DUMPED AND SPREAD WITH THE BUCKET OF A BACKHOE FROM THE EDGE OF THE LOOSENED AREA. NO RUBBER-TIRED EQUIPMENT OR HEAVY EQUIPMENT EXCEPT FOR A SMALL BULLDOZER SHALL PASS OVER THE SUBSOILS (SUBGRADE) AFTER THEY HAVE BEEN LOOSENED. IF THE CONTRACTOR PLANS TO UTILIZE SUCH AREAS FOR ANY USE OF HEAVY EQUIPMENT, THIS SHOULD BE CARRIED OUT PRIOR TO BEGINNING THE PROCESS OF LOOSENING SOILS OR FILLING IN THAT AREA, OR IT WILL HAVE TO BE RESCARIFIED AND MEET THIS SPECIFICATION REQUIREMENT.

AREAS RECLAIMED FOR STORMWATER INFILTRATION PRACTICES:

A. EXCAVATE AREA TO THE DEPTH OF THE PROPOSED BOTTOM OF THE INFILTRATION PRACTICE.

B. THE ENTIRE SUBGRADE AREA SHALL BE LOOSENED TO A MINIMUM DEPTH OF 12 INCHES BELOW PROPOSED SUBGRADE UTILIZING THE BUCKET OF A BACK HOE, CAT MOUNTED RIPPER, TILLER, OR EQUIVALENT EQUIPMENT. ROCK PICK UNTIL UPLIFTED STONE/ROCK MATERIAL OF FOUR INCHES AND LARGER SIZE HAVE BEEN CLEARED FROM THE SITE.

C. ANY SUBGRADE AREAS WHICH REMAIN HEAVILY COMPACTED (DEFINED AS EXCEEDING 86%-88% COMPACTION ASTM 698 STANDARD PROCTOR), AS SHOWN ON THE PLANS, OR AREAS IDENTIFIED BY THE DESIGN PROFESSIONAL SHALL BE DEEP-SCARIFIED. IMMEDIATELY PRIOR TO PLACING SOILS, HEAVILY COMPACTED AREAS SHALL BE LOOSENED TO A MINIMUM DEPTH OF 18 INCHES USING THE TEETH OF A BACK HOE OR OTHER SUITABLE EQUIPMENT. FREQUENCY OF COMPACTION TESTS SHALL BE ONE PER 500 SQUARE FEET.

D. CONFIRM THAT THE SUBGRADE IS AT THE PROPER ELEVATION AND THAT NO FURTHER EARTHWORK IS REQUIRED TO BRING THE SUBGRADE TO PROPER ELEVATIONS. PROVIDE A REPORT TO THE DESIGN PROFESSIONAL THAT THE SUBGRADE HAS BEEN PLACED TO THE REQUIRED ELEVATIONS, HAS BEEN DECOMPACTED ACCORDING TO THE CONTRACT DOCUMENTS AND IS READY FOR INSPECTION AT LEAST 3 DAYS PRIOR TO PLACING INFILTRATION PRACTICES. PERFORM NO WORK UNTIL ELEVATIONS HAVE BEEN CONFIRMED AND THE AREA HAS BEEN ACCEPTED BY THE OWNER'S REPRESENTATIVE.

E. AFTER THE SOILS HAVE BEEN LOOSENED AND INSPECTED, INFILTRATION PRACTICES MAY BE INSTALLED USING A WIDE-TRACK BULLDOZER SIZE D-5 OR SMALLER OR MAY BE PLACED, DUMPED, OR SPREAD WITH THE BUCKET OF A BACKHOE FROM THE EDGE OF THE LOOSENED AREA. NO RUBBER-TIRED EQUIPMENT OR HEAVY EQUIPMENT EXCEPT FOR A SMALL BULLDOZER SHALL PASS OVER THE SUBSOILS (SUBGRADE) AFTER THEY HAVE BEEN LOOSENED. IF THE CONTRACTOR PLANS TO UTILIZE SUCH AREAS FOR ANY USE OF HEAVY EQUIPMENT, THIS SHOULD BE CARRIED OUT PRIOR TO BEGINNING THE PROCESS OF LOOSENING SOILS OR FILLING IN THAT AREA, OR IT WILL HAVE TO BE RESCARIFIED AND MEET THIS SPECIFICATION REQUIREMENT.

F. WHEN INFILTRATION PRACTICES ARE LOCATED BELOW PAVEMENT THE AREA SHALL REMAIN FREE OF LARGE VEHICLES UNTIL THE PAVEMENT SUBBASE HAS BEEN INSTALLED.

G. FOR REFERENCE OF DECOMPACTION NOTES, SEE NYS DESIGN MANUAL SECTION 5.1.6 FOR DEEP RIPPING AND DECOMPACTION OF EXISTING AREAS THAT ARE PROPOSED FOR RESTORATION.

# CITY OF POUGHKEEPSIE EROSION AND SILTATION CONTROL NOTES

1. All unvegetated areas in excess of 10%, per direction of the Engineer, shall have temporary seeding of fast germinating rye, 10 to 15 #'s per 1,000 sq. ft.
2. Graded areas - upper elevations: Provide temporary drainage swales, 1% grade min., to direct runoff away from construction sites. Discharge areas to be acceptable to the Engineer.
3. Graded areas - lower elevations: Provide drainage swales, 1% min. grades, with staked and secured hay bale siltation. Location of hay bales and discharge areas per approval of Engineer.
4. Permanent seeded areas for erosion control: Mixture of perennial rye and blue and red fescue grasses (50/50), 15 to 25 #'s per 1,000 sq. ft., mulching at 5#'s per 1,000 sq. ft., fertilizer - 5.10.5 at 5#'s per 1,000 sq. ft. (if determined necessary by Engineer), with pegging and netting for grades in excess of 15%.
5. All permanent drainage interceptor swales to be seeded per Item 4 also.
6. All erosion control shall be in accordance with the latest "Urban Erosion and Sediment Control Guidebook" of the Dutchess County Soil and Water Conservation District.
7. All areas shall be seeded and mulched as soon as possible.
8. Grade as needed and feasible to permit the use of conventional equipment for seed bed preparation, seeding and mulch application.
9. Scarify all compacted soils prior to applying topsoil.
10. Apply topsoil per Standard #6 Table 6.1 of the Soil Erosion Control Guide Book.
11. Seed mix shall be as follows:
    Ky. Blue grass 20 lbs/ac.
    Creeping Red Fescue 40 lbs/ac.

# GENERAL NOTES

1. ALL CONSTRUCTION SHALL COMPLY WITH CITY OF POUGHKEEPSIE REQUIREMENTS AND SPECIFICATIONS.
2. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS REQUIRED BY GOVERNMENT AGENCIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL POST ALL BONDS, PAY ALL FEES, PROVIDE PROOF OF INSURANCE AND PROVIDE TRAFFIC CONTROL NECESSARY FOR THIS WORK.
3. REFER TO OTHER PLANS AND DETAIL SHEETS FOR ADDITIONAL INFORMATION. THE CONTRACTOR SHALL VERIFY ALL SITE CONDITIONS IN THE FIELD AND CONTACT THE SITE ENGINEER IF THERE ARE ANY QUESTIONS OR CONFLICTS REGARDING THE CONSTRUCTION DOCUMENTS AND/OR FIELD CONDITIONS SO THAT APPROPRIATE REVISIONS CAN BE MADE PRIOR TO BIDDING. ANY CONFLICT BETWEEN DRAWINGS AND THE SPECIFICATIONS SHALL BE CONFIRMED WITH THE LOCAL CONSTRUCTION MANAGER PRIOR TO BIDDING.
4. REFER TO THE DETAIL SHEETS FOR PAVEMENT, CURBING, AND SIDEWALK INFORMATION.
5. ALTERNATIVE METHODS AND PRODUCTS OTHER THAN THOSE SPECIFIED MAY BE USED IF REVIEWED AND APPROVED BY THE SITE ENGINEER, AND THE APPROPRIATE REGULATORY AGENCIES PRIOR TO INSTALLATION.
6. THE CONTRACTOR SHALL RESTORE ANY OF THE FOLLOWING IF THEY ARE NOTED TO REMAIN: UTILITY STRUCTURE, PIPE, UTILITY, PAVEMENT, CURBS, SIDEWALKS, OR LANDSCAPED AREAS DISTURBED DURING CONSTRUCTION TO THEIR ORIGINAL CONDITION OR BETTER TO THE SATISFACTION OF THE CITY OF POUGHKEEPSIE.
7. TRAFFIC CONTROL MEASURES SHALL BE UTILIZED IN ACCORDANCE WITH CITY OF POUGHKEEPSIE AND NYSDOT.
8. PAVEMENT MARKINGS SHALL BE FAST DRYING TYPE IN ACCORDANCE WITH CITY OF POUGHKEEPSIE SPECIFICATIONS.
9. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF ALL PRODUCTS, MATERIALS AND PLANT SPECIFICATIONS TO THE SITE ENGINEER AND OWNER FOR REVIEW AND APPROVAL PRIOR TO FABRICATION OR DELIVERY TO THE SITE. ALLOW A MINIMUM OF 14 WORKING DAYS FOR REVIEW. APPROVED SHOP DRAWINGS WILL BE PROVIDED BY THE ENGINEER AND COPIED TO THE CITY OF POUGHKEEPSIE.
10. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TRAFFIC DEVICES FOR PROTECTION OF VEHICLES AND PEDESTRIANS CONSISTING OF DRUMS, BARRIERS, SIGNS, LIGHTS, FENCES AND UNIFORMED TRAFFIC MEN AS REQUIRED OR ORDERED BY THE ENGINEER OR REQUIRED BY THE LOCAL GOVERNING AUTHORITIES. CONTRACTOR SHALL MAINTAIN ALL TRAFFIC LANES AND PEDESTRIAN WALKWAYS AT ALL TIMES UNLESS WRITTEN APPROVAL FROM THE CITY AND GOVERNING AUTHORITIES IS GRANTED.
11. THE PROJECT DRAWINGS ARE GENERALLY DIAGRAMMATIC IN INDICATING THE PRESENCE OF EXISTING UNDERGROUND UTILITIES. INFORMATION ON EXISTING UTILITIES HAS BEEN COMPILED FROM AVAILABLE INFORMATION INCLUDING UTILITY COMPANY AND MUNICIPAL RECORD MAPS AND FIELD SURVEY AND IS NOT GUARANTEED TO BE CORRECT OR COMPLETE. UTILITIES ARE SHOWN TO ALERT THE CONTRACTOR OF THEIR PRESENCE AND THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DETERMINING ACTUAL LOCATIONS AND ELEVATIONS OF ALL UTILITIES AND SERVICES. WHEN THE UTILITIES ARE TO BE LEFT IN PLACE, THE CONTRACTOR SHALL PROVIDE ADEQUATE MEANS OF SUPPORT AND PROTECTION DURING THE EXCAVATION AND BACKFILLING OPERATIONS.
12. PRIOR TO DEMOLITION OR CONSTRUCTION THE CONTRACTOR SHALL CONTACT "CALL BEFORE YOU DIG" AT 1-800-962-7962 AT LEAST 72 HOURS BEFORE COMMENCEMENT OF WORK TO VERIFY ALL UTILITY LOCATIONS. CONTRACTOR SHALL NOT INTERRUPT EXISTING UTILITIES SERVICING FACILITIES OCCUPIED AND USED BY THE OWNER OR OTHERS DURING OCCUPIED HOURS.
13. IF ANY UNCHARTED OR INCORRECTLY CHARTED EXISTING PIPING OR OTHER UTILITY IS UNCOVERED DURING EXCAVATION, THE CONTRACTOR SHALL CONSULT THE SITE ENGINEER IMMEDIATELY FOR DIRECTIONS BEFORE PROCEEDING FURTHER WITH THE WORK.
14. STORAGE OF FLAMMABLE AND HAZARDOUS MATERIALS SHALL BE IN COMPLIANCE WITH THE NYS FIRE AND BUILDING CODE.
15. CONTRACTOR TO PROVIDE SITE ENGINEER WITH SUBMITTALS. ONCE APPROVED, COPIES WILL BE SUPPLIED TO CITY ENGINEER AND APPROPRIATE CITY DEPARTMENTS.
16. NO HERBICIDES OR PESTICIDES WILL BE USED DURING THE OPERATION OF THE SITE.

# EROSION AND SEDIMENT CONTROL PLAN

1. LAND DISTURBANCE WILL BE KEPT TO A MINIMUM; RESTABILIZATION WILL BE SCHEDULED AS SOON AS PRACTICABLE.
2. SILTATION FENCE WILL BE INSTALLED AT ALL CULVERT OUTLETS AND ALONG THE TOE OF ALL CRITICAL CUT AND FILL SLOPES.
3. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE NEW YORK STATE EROSION & SEDIMENT CONTROL "BLUE BOOK" 2005.
4. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO CONSTRUCTION WHENEVER POSSIBLE.
5. ALL CONTROL MEASURES SHALL BE MAINTAINED IN EFFECTIVE CONDITION THROUGHOUT THE CONSTRUCTION PERIOD.
6. ADDITIONAL CONTROL MEASURES SHALL BE INSTALLED DURING THE CONSTRUCTION PERIOD, IF NECESSARY OR REQUIRED.
7. SEDIMENT REMOVED FROM CONTROL STRUCTURES WILL BE DISPOSED OF IN A MANNER WHICH IS CONSISTENT WITH THE INTENT OF THE PLAN.
8. DUST CONTROL AND ANTI-TRACKING MAINTENANCE TO BE ADDRESSED AND RESOLVED ON A DAILY BASIS.

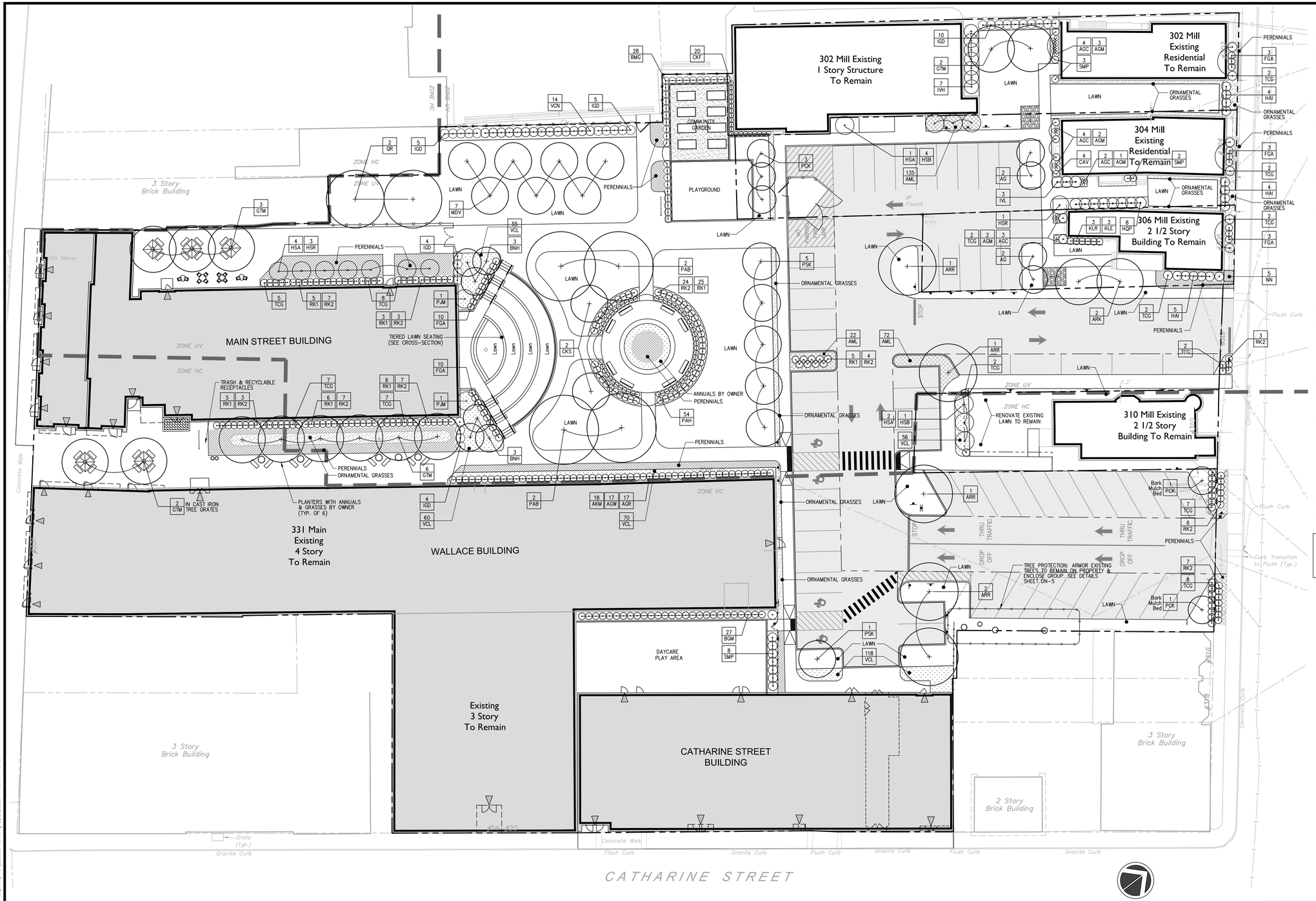
# INSTALLATION OF SEDIMENTATION AND EROSION CONTROL MEASURES

## I. SILTATION FENCE

A. DIG A SIX INCH TRENCH ON THE UPHILL SIDE OF THE DESIGNATED FENCE LINE LOCATION.

B. POSITION THE POST AT THE BACK OF THE TRENCH (DOWNHILL SIDE), AND HAMMER THE POST AT LEAST 2.0 FEET INTO THE GROUND.

C. LAY THE BOTTOM SIX INCHES OF THE FABRIC INTO TH




# PLANTING NOTES:

1. THE LANDSCAPE PLAN AND RELATED DETAILS ARE FOR LANDSCAPING INFORMATION ONLY. PLEASE REFER TO THE SITE, GRADING & EROSION CONTROL PLANS FOR ALL OTHER INFORMATION.
2. THE CONTRACTOR SHALL GUARANTEE THAT ALL PLANTS, TREES, AND SHRUBS SHALL BE HEALTHY AND FREE OF DISEASE FOR A PERIOD OF ONE YEAR AFTER SUBSTANTIAL COMPLETION AND ACCEPTANCE BY OWNER OR LANDSCAPE ARCHITECT. CONTRACTOR SHALL REPLACE ANY DEAD OR UNHEALTHY PLANTS AT CONTRACTOR'S EXPENSE. PLANT MATERIAL REPLACEMENTS SHALL BE GUARANTEED FOR ONE FULL YEAR FROM DATE OF REPLACEMENT. FINAL ACCEPTANCE SHALL BE MADE IF ALL PLANTS MEET THE GUARANTEE REQUIREMENTS INCLUDING MAINTENANCE. MAINTENANCE RESPONSIBILITIES INCLUDE CULTIVATING, SPRAYING, WEEDING, WATERING, TIGHTENING GUYS, PRUNING, FERTILIZING, MULCHING, AND ANY OTHER OPERATIONS NECESSARY TO MAINTAIN PLANT VIABILITY. MAINTENANCE SHALL BEGIN IMMEDIATELY AFTER PLANTING AND CONTINUE UNTIL THE END OF THE ONE YEAR GUARANTEE PERIOD.
3. THE CONTRACTOR SHALL SUPPLY ALL LABOR, PLANTS, AND MATERIALS IN QUANTITIES SUFFICIENT TO COMPLETE THE WORK SHOWN ON THE DRAWINGS AND LISTED IN THE PLANT SCHEDULE. IN THE EVENT OF A DISCREPANCY BETWEEN QUANTITIES SHOWN IN THE PLANT SCHEDULE AND THOSE REQUIRED BY THE DRAWINGS, THE LARGER SHALL APPLY.
4. ALL SHRUB MASSINGS SHALL BE MULCHED TO A DEPTH OF 4" WITH SHREDDED HARDWOOD BARK MULCH.
5. NO PLANT SHALL BE PLACED IN THE GROUND BEFORE ROUGH GRADING HAS BEEN COMPLETED AND APPROVED BY ENGINEER. STAKING THE LOCATION OF ALL TREES AND SHRUBS SHALL BE COMPLETED PRIOR TO PLANTING FOR APPROVAL BY THE OWNER OR LANDSCAPE ARCHITECT. STAKING OF THE INSTALLED TREE MUST BE COMPLETED THE SAME DAY AS IT IS INSTALLED. ALL TREES SHALL BE STAKED OR GUYED PER DETAIL. SEE SHEET DN-1 FOR PLANTING DETAILS.
6. COORDINATE PLANT MATERIAL LOCATIONS WITH SITE UTILITIES. SEE SITE LAYOUT, GRADING AND UTILITY DRAWINGS FOR STORM, SANITARY AND WATER LINES. SEE LIGHTING PLAN FOR ELECTRICAL AND LIGHTING LAYOUT AND DETAILS. UTILITY LOCATIONS ARE APPROXIMATE. EXERCISE CARE WHEN DIGGING IN AREAS OF POTENTIAL CONFLICT WITH UNDERGROUND OR OVERHEAD UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE DUE TO CONTRACTOR'S NEGLIGENCE AND SHALL REPLACE OR REPAIR ANY DAMAGE AT CONTRACTOR'S EXPENSE.
7. LANDSCAPE PLANTING PITS MUST BE FREE DRAINING. PAVEMENT, COMPACTED SUBGRADE, AND BLASTED ROCK SHALL BE REMOVED FROM WITHIN TRAFFIC ISLANDS TO BE LANDSCAPED TO A DEPTH OF 2' OR TO A GREATER DEPTH IF REQUIRED BY PLANTING DETAILS OR SPECIFICATIONS. REPLACE SOIL WITHIN ISLANDS WITH MODERATELY COMPACTED LOAM OR SANDY LOAM FREE FROM STONES AND RUBBISH 1" OR GREATER IN DIAMETER AND ANY OTHER MATERIAL HARMFUL TO PLANT GROWTH AND DEVELOPMENT. PLANTING INSTALLATION WITHIN ISLANDS SHALL BE AS DETAILED AND CONTAIN PLANTING MIX AS SPECIFIED.
8. TIME OF PLANTING: NEW PLANT MATERIALS SHALL BE INSTALLED BETWEEN APRIL 1 AND JUNE 1, OR AFTER SEPTEMBER 15TH AND NO LATER THAN OCTOBER 31ST.
9. PLANTING SOIL MIXTURE FOR TREES AND SHRUBS:
   - 1 PART PEAT MOSS
   - 3 PARTS TOPSOIL
   - FERTILIZER/LIME (APPLY AS RECOMMENDED BY SOIL ANALYSIS)
   - MYCORHIZA INOCULANT – "TRANSPLANT 1–STEP" AS MANUFACTURED BY ROOTS, INC. OR APPROVED EQUAL.
     USE PER MANUFACTURER'S RECOMMENDATIONS FOR TREES AND SHRUBS.
10. TOPSOIL SHALL BE INSTALLED AT A MINIMUM DEPTH OF 6" IN LAWN AREAS. CONTRACTOR SHALL SUBMIT TOPSOIL TO A CERTIFIED TESTING LABORATORY TO DETERMINE pH, FERTILITY, ORGANIC CONTENT AND MECHANICAL COMPOSITION. THE CONTRACTOR SHALL SUBMIT THE TEST RESULTS FROM REGIONAL EXTENSION OFFICE OF USDA TO THE OWNER OR LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL. CONTRACTOR SHALL INCORPORATE AMENDMENTS FOR GOOD PLANT GROWTH AND PROPER SOIL ACIDITY RECOMMENDED FROM THE TOPSOIL TEST.
11. LAWN SEEDING MIXTURE:

    15% KENTUCKY BLUEGRASS (POA PRATENSIS – SINGLE VARIETY)
    15% PERENNIAL RYEGRASS (LOLIUM PERENNE)
    30% CREEPING RED FESCUE (FESTUCA RUBRA)
    25% CHEWINGS FESCUE (FESCTUCA RUBRA "JAMESTOWN II")
    15% HARD FESCUE (FESTUCA OVINA "RELIANT II")

    SEEDING RATE: 4.5 LBS PER 1,000 S.F. (ADD 10% TO QUANTITY IF HYDROSEEDED).

    SEEDING DATES: AUGUST 15 – OCTOBER 1 AND APRIL 15 – JUNE 15 UNLESS OTHERWISE APPROVED BY THE OWNER OR LANDSCAPE ARCHITECT.
12. ALL SLOPES GREATER THAN 3:1 RECEIVING A GRASS SEEDING MIXTURE SHALL BE COVERED WITH AN EROSION CONTROL BLANKET.
13. ALL DISTURBED AREAS NOT OTHERWISE DEVELOPED SHALL BE SEEDED WITH THE LAWN SEEDING MIXTURE.
14. TREE PROTECTION: PRIOR TO THE START OF CONSTRUCTION OR EXCAVATION, TREES TO BE RETAINED SHALL BE PROTECTED BY SILT FENCE, SNOW FENCE, CONSTRUCTION FENCE, OR EQUAL, WHICH WILL BE PLACED AT THE DRIP LINE OR SEVERAL FEET BEYOND. HOWEVER, THE FENCING SHALL NOT CROSS PUBLIC SIDEWALKS. NO STORAGE OR STOCKPILING OF CONSTRUCTION MATERIALS, DEBRIS OR EQUIPMENT SHALL OCCUR WITHIN THE FENCED AREA."

**PLANTING LIST AND DETAILS:**
SEE SHEET LL-2

GRAPHIC SCALE
20 10 0 20
SCALE IN FEET

STATE OF NEW YORK
RODNEY E. MORRISON
073187
LICENSED PROFESSIONAL ENGINEER

| # | Date | Description |
|---|---|---|
| 1 | 06.05.20 | REVISED PER CITY COMMENTS |
| 2 | 07.10.20 | PLANNING BOARD RE-SUBMISSION |
| 3 | 11.03.20 | PLANNING BOARD RE-SUBMISSION |
| 4 | 01.05.21 | RESPONSE TO CONSULTANT COMMENTS |
| 5 | 03.02.21 | RESPONSE TO CONSULTANT COMMENTS |

Revisions


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- Civil Engineering
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- Landscape Architecture

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LRC Engineering & Surveying, LLC
LRC Environmental Services, Inc.


# LANDSCAPE PLAN

## WALLACE CAMPUS MANAGER, LLC

WALLACE CAMPUS
CITY OF POUGHKEEPSIE,
DUTCHESS COUNTY, NEW YORK

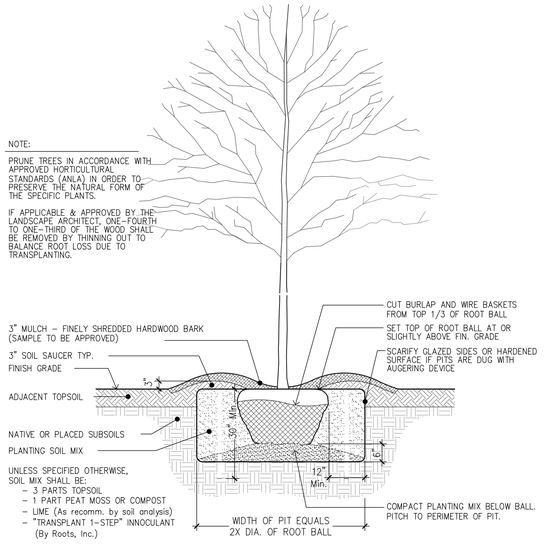
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| Approved | REM | Scale | 1"=20' |

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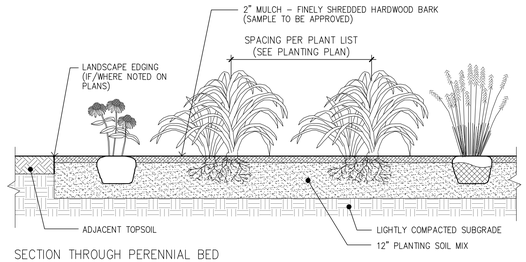
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# PLANT LIST:

| | CODE | QTY. | BOTANICAL NAME | COMMON NAME | ROOT | SIZE INSTALLED | SIZE MATURE | COMMENTS |
|---|---|---|---|---|---|---|---|---|
| TREES: | ARK | 2 | ACER RUBRUM 'KARPICK' | KARPICK RED MAPLE | B&B | 2.5–3" cal. | 20x40' ht. | Narrow oval crown |
| | ARR | 5 | ACER RUBRUM 'RED SUNSET' | RED SUNSET RED MAPLE | B&B | 2.5–3" cal. | 40' ht. | Upright oval crown |
| | AG | 4 | AMEL. x GRANDIFLORA 'CUMULUS' | CUMULUS SERVICEBERRY | B&B | 8–10' ht. | 30' ht. | Clump Form (3 min.) |
| | BNH | 6 | BETULA NIGRA 'HERITAGE' | HERITAGE RIVER BIRCH | B&B | 10–12' ht. | 40' ht. | Multi-stem; Low Branched |
| | CKS | 2 | CORNUS KOUSA 'SATOMI' | SATOMI KOUSA DOGWOOD | B&B | 2.5–3" cal. | 25' ht. | Pink Bloom |
| | GTM | 13 | GLEDITSIA T. INERMIS 'SHADEMASTER' | SHADEMASTER HONEYLOCUST | B&B | 3–3.5" cal. | 60' ht. | HEAVY |
| | MDV | 7 | MALUS DOMESTICA VARIETIES | EATING APPLES – MIXED VARIETIES | B&B | 1.5–2" cal. | 20' ht. | Edible Fruit |
| | PAB | 4 | PLATANUS ACERIFOLIA 'BLOODGOOD' | LONDON PLANE TREE | B&B | 3–3.5" cal. | 50' ht. | Specimen Grade |
| | PCK | 5 | PRUNUS CERISIFERA 'KRAUTER VESUVIUS' | KRAUTER VESUVIUS PURPLE LEAF PLUM | B&B | 2.5–3" cal. | 15'x20' ht. | Pale Pink Bloom |
| | PSK | 6 | PRUNUS SERRULATA 'KWANZAN' | KWANZAN CHERRY | B&B | 2.5–3" cal. | 20x30' ht. | |
| | QR | 2 | QUERCUS RUBRA | NORTHERN RED OAK | B&B | 3–3.5" cal. | 75' ht. | |
| SHRUBS: | AML | 229 | ARONIA MEL. LOW SCAPE MOUND | LOW SCAPE MOUND CHOKEBERRY | CONT. | #1 | 12–24" ht. | |
| | AGC | 13 | AZALEA 'GIRARD'S CRIMSON' | GIRARD'S CRIMSON AZALEA | CONT. | #3 | 3–4' ht. | Crimson Bloom |
| | AGM | 8 | AZALEA 'GIRARD'S RENEE MICHELLE' | GIRARD'S RENEE MICHELLE AZALEA | CONT. | #3 | 3–4' ht. | Deep Pink Bloom |
| | AGR | 17 | AZALEA 'GIRARD'S ROSE' | GIRARD'S ROSE AZALEA | CONT. | #3 | 2–3' ht. | |
| | AGW | 17 | AZALEA 'GIRARD'S PLEASANT WHITE' | GIRARD'S WHITE AZALEA | CONT. | #3 | 2–3' ht. | White |
| | AKM | 18 | AZALEA x 'MOTHER'S DAY' | MOTHER'S DAY (KURUME) AZALEA | CONT. | #3 | 2–3' ht. | Rose Red Bloom |
| | BGM | 27 | BUXUS MICROPHYLLA 'GREEN MOUNTAIN' | GREEN MOUNTAIN BOXWOOD | CONT. | 24" min.ht. | 3'Wx3'H | Soft Pyramidal; Do not shear |
| | BMG | 24 | BUXUS MICROPHYLLA 'GREEN VELVET' | GREEN VELVET BOXWOOD | CONT. | 24" min.ht. | 2–4' ht. | Do not shear neat. |
| | CAV | 4 | CLETHRA ALNIFOLIA 'VANILLA SPICE' | VANILLA SPICE SUMMERSWEET | CONT. | #5 | 3–4' ht. | |
| | FGA | 29 | FOTHERGILLA GARDENII 'APPALACHIA' | DWARF FOTHERGILLA | CONT. | #5 | 2–3' ht. | |
| | HAI | 13 | HYD. ARBORESCENS INVINCIBLE SPIRIT II | SMOOTH HYDRANGEA | CONT. | #5 | 3–4' ht. | Pink |
| | HSA | 8 | HIBISCUS SYRIACUS 'ARDENS' | ROSE OF SHARON | B&B | 36–42" ht. | 8–10' ht. | Double Rosy Purple |
| | HSB | 5 | HIBISCUS SYRIACUS 'BLUE SATIN' | ROSE OF SHARON | B&B | 36–42" ht. | 8–10' ht. | Single Royal Blue |
| | HSR | 4 | HIBISCUS SYRIACUS 'RED HEART' | ROSE OF SHARON | B&B | 36–42" ht. | 8–10' ht. | White w/ Scarlet Eye |
| | HQP | 8 | HYDRANGEA QUERCIFOLIA 'PEEWEE' | PEE WEE OAKLEAF HYDRANGEA | CONT. | #7 | 3–5' ht. | White; Burgundy fall |
| | IGD | 28 | ILEX GLABRA 'DENSA' | INKBERRY | CONT. | 24" min.ht. | 3–4' ht. | Compact |
| | IVH | 7 | ITEA VIRGINICA 'HENRY'S GARNET' | HENRY'S GARNET SWEETSPIRE | CONT. | #5 | 4–6' ht. | |
| | IVL | 3 | ITEA VIRGINICA 'LITTLE HENRY' | LITTLE HENRY SWEETSPIRE | CONT. | #3 | 3–6' ht. | |
| | KLE | 3 | KALMIA LATIFOLIA 'ELF' | ELF MIN. MOUNTAIN LAUREL | CONT. | #5 | 3–4' ht. | White |
| | KLR | 3 | KALMIA LATIFOLIA 'RASPBERRY GLOW' | RASPBERRY GLOW MOUNTAIN LAUREL | CONT. | #5 | 6–8' ht. | Burgundy to Pink |
| | PJM | 2 | RHODODENDRON 'PJM' | PJM RHODODENDRON | CONT. | 36" min.ht. | 8' ht. | |
| | RK1 | 55 | ROSA 'RADCOR' | RAINBOW KNOCK OUT ROSE | CONT. | #5 | 3–4' ht. | 30" o.c.; Pink |
| | RK2 | 71 | ROSA 'RADSUNNY' | SUNNY KNOCK OUT ROSE | CONT. | #5 | 3–4' ht. | 30" o.c.; Soft Yellow |
| | SMP | 13 | SYRINGA MEYERI 'PALIBIN' | DWARF KOREAN LILAC | CONT. | #7 | 4–5' ht. | |
| | TCG | 54 | TAXUS CUSPIDATA 'GREENWAVE' | GREENWAVE JAPANESE YEW | CONT. | 24" min.ht. | 3'x4' | DO NOT SHEAR AS HEDGE |
| | VCN | 14 | VACCINEUM CORYMBOSUM 'NORTHLAND' | NORTHLAND HIGHBUSH BLUEBERRY | CONT. | #7 | 3–4' ht. | |
| | VCL | 359 | VIBURNUM CASSINOIDES 'LIL DITTY' | LIL DITTY WITHEROD VIBURNUM | CONT. | #1 | 12–24" ht. | |
| PERENNIALS: | AAD | | ACHILLEA MILL. 'APRICOT DELIGHT' | APRICOT DELIGHT YARROW | CONT. | #SP4 | 13" ht. | 15" o.c.; Mixed Pinks |
| | ANB | | ASTER NOVAE–BELGII 'MARIE BALLARD' | MARIE BALLARD (NY) ASTER | POT | #SP5 | 30" ht. | 18" o.c.; Vio–blue Late Sum. |
| | EPB | | ECHINACAEA P. 'POW WOW WILD BERRY' | WILD BERRY CONEFLOWER | CONT. | #SP5 | 16–24" ht. | 15" o.c.; Rose–Purple |
| | LMS | | LEUCANTHEMUM SUP. 'BECKY' | SHASTA DAISY | CONT. | #SP4 | 30" ht. | White |
| | MBS | | MONDARDA DIDYMA 'BLUE STOCKING' | BLUE STOCKING BEE BALM | CONT. | #SP4 | 4' ht. | Purple |
| | NN | | NIPPONANTHEMUM NIPPONICUM | MONTAUK DAISY | CONT. | #2 (2 Gal.) | 30–36" ht. | |
| | RFG | | RUDBECKIA FUL. var. SULL. 'GOLDSTURM' | GOLDSTURM Black Eyed Susan | CONT. | #SP4 | 30–36" ht. | 24" o.c.; Gold; June–Sept |
| | HHR | | HEMEROCALLIS MIXED VARIETIES | DAYLILY | CONT. | #SP4 | 18" ht. | 18" o.c.; YELLOW |
| ORNAMENTAL GRASSES: | CKF | | CALAMAGROSTIS ACU. 'KARL FOERSTER' | FEATHER REED GRASS | CONT. | #1 | 4–5' ht. | |
| | MCS | | MOLINA CAER. 'STRAHLENQUELLE' | PURPLE MOOR GRASS | POT | #1 | 24" o.c.; | 24" Blades, 2–4' Plumes |
| | PAH | | PENNISETUM ALOPCUROIDES 'HAMELN' | HAMELN DWARF FOUNTAIN GRASS | CONT. | #2 | 24" ht. | 18" o.c.; Copper tassels |




## TREE PLANTING
Scale 1/2" = 1'–0"

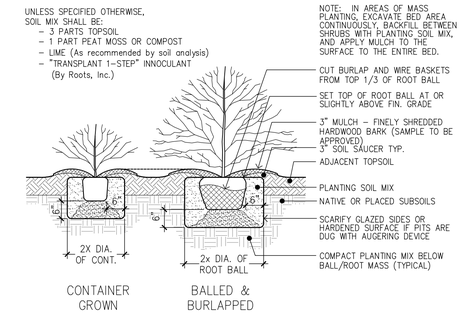



SECTION THROUGH PERENNIAL BED

PERENNIAL NOTES:
1. BULB/CORM PERENNIALS TO BE PLANTED IN FALL. POTTED PERENNIALS MAY BE PLANTED APRIL 15 TO OCTOBER 1.
2. ROTOTILL FERTILIZER AND LIME INTO SOIL PRIOR TO PLANTING AND IN ACCORDANCE TO SOIL ANALYSIS RECOMMENDATIONS.
3. DO NOT OVER COMPACT PLANTING BED. WATER THOROUGHLY AFTER PLANTING BULBS.
4. ADJUST PLANTING DEPTH AS RECOMMENDED BY BULB SUPPLIER.
5. PROVIDE DRAINAGE AS REQUIRED (PERF PIPE 4" ADS) WHEN SUBGRADE IS CLASSIFIED AS A HEAVY SOIL OR EXCESSIVELY COMPACTED.

UNLESS SPECIFIED OTHERWISE, PERENNIAL BED SOIL MIX SHALL BE:
– 3 PARTS TOPSOIL
– 1 PART MANURE (WEED FREE)
– 1 PART PEAT MOSS OR COMPOST
– LIME (As recommended by soil analysis)
– "MILORGANITE" AT 5 LBS. PER 100 SF.

## ANNUAL / PERENNIAL AND GROUND COVER BEDS
Scale 1/2" = 1'–0"




## SHRUB PLANTING
Scale 1/2" = 1'–0"

STATE OF NEW YORK
ROMEYE E. MORRISON
LICENSED PROFESSIONAL ENGINEER
071104

| # | Date | Description |
|---|---|---|
| 1 | 06.05.20 | REVISED PER CITY COMMENTS |
| 2 | 07.10.20 | PLANNING BOARD RE–SUBMISSION |
| 3 | 11.03.20 | PLANNING BOARD RE–SUBMISSION |
| 4 | 01.05.21 | RESPONSE TO CONSULTANT COMMENTS |
| 5 | 03.02.21 | RESPONSE TO CONSULTANT COMMENTS |

Revisions


LRC GROUP
● Land Planning
● Civil Engineering
● Environmental Services
● Land Surveying
● Landscape Architecture
85 Civic Center Plaza, Suite 103
Poughkeepsie NY 12601
Tel: 845.243.2880
160 West Street, Suite E
Cromwell, CT 06416
Tel: 860.635.2877
1 International Blvd, Suite 400
Mahwah, NJ 07495
Tel: 908.603.5730
www.lrcconsult.com
LRC Engineering & Surveying, DPC
LRC Engineering & Surveying, LLC
LRC Environmental Services, Inc.


# PLANT LIST AND PLANTING DETAILS

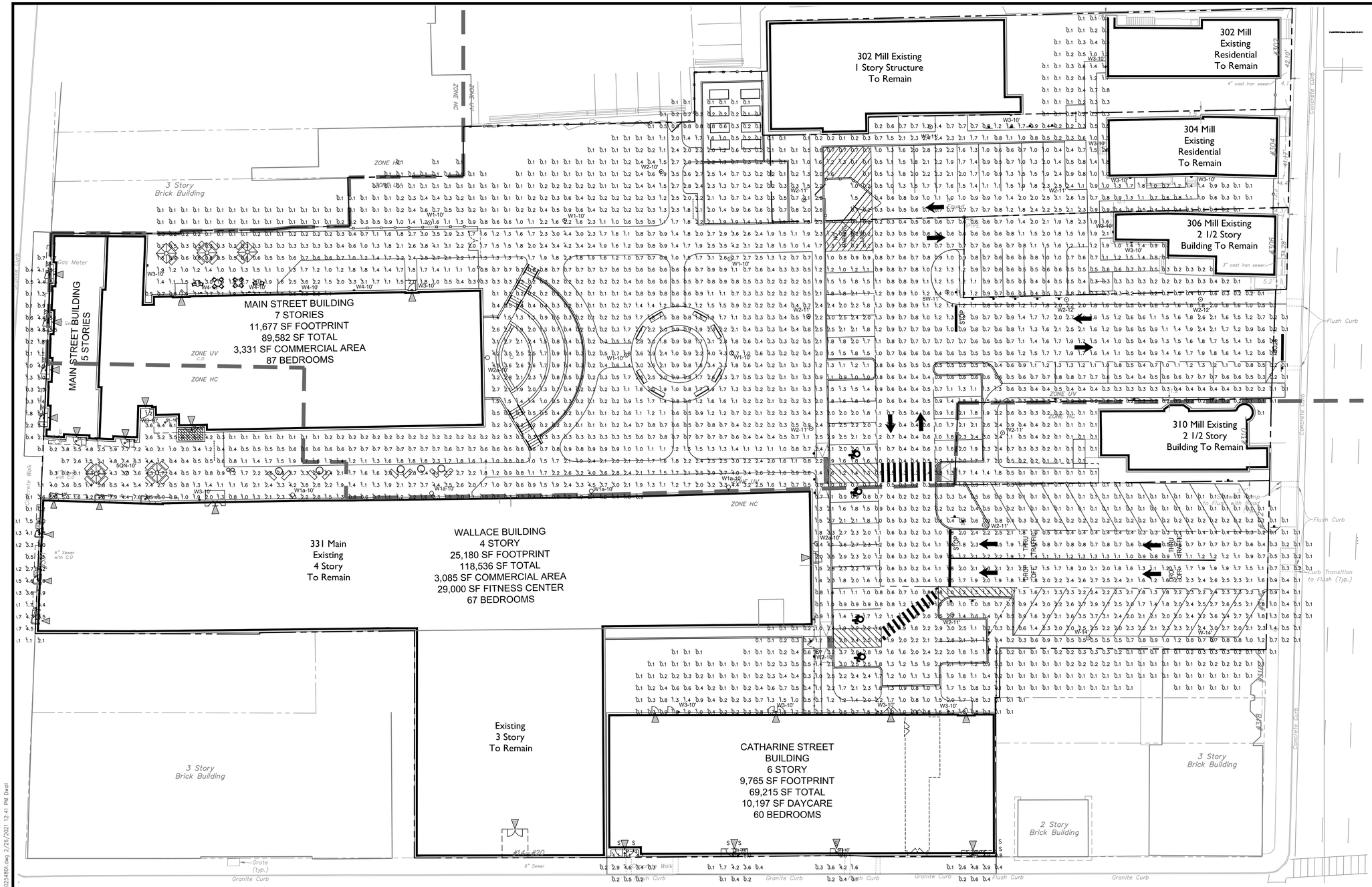
## WALLACE CAMPUS MANAGER, LLC

WALLACE CAMPUS
CITY OF POUGHKEEPSIE,
DUTCHESS COUNTY, NEW YORK

| | | | |
|---|---|---|---|
| Design/Calcs | LRC | CAD File | LL20254802.dwg |
| Drawn | SMC | Project No. | 20–2548 |
| Checked | KFC | Date | 2020.04.10 |
| Approved | REM | Scale | NTS |

Sheet No. LL-2

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GRAPHIC SCALE
20 10 0 20
SCALE IN FEET

NOTE:
SEE LIGHTING SCHEDULE
& FIXTURE CUT SHEETS
ON SHEET LP-2.

| # | Date | Description |
|---|---|---|
| 1 | 06.05.20 | REVISED PER CITY COMMENTS |
| 2 | 07.10.20 | PLANNING BOARD RE-SUBMISSION |
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www.lrcconsult.com
LRC Engineering & Surveying, DPC
LRC Engineering & Surveying, LLC
LRC Environmental Services, Inc.


# LIGHTING PLAN

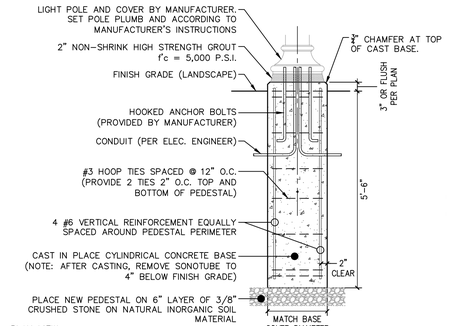
## WALLACE CAMPUS MANAGER, LLC

WALLACE CAMPUS
CITY OF POUGHKEEPSIE,
DUTCHESS COUNTY, NEW YORK

| | | | |
|---|---|---|---|
| Design/Calcs | LRC | CAD File | LP20254801.dwg |
| Drawn | SMC | Project No. | 20-2548 |
| Checked | KFC | Date | 2020.04.10 |
| Approved | REM | Scale | 1"=20' |

Sheet No. LP-1

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1 CONC. LIGHT POLE BASE-ROUND
SCALE: 1/2" = 1'-0"

NOTE: COMPACTED FILL IN EXCAVATION TO 90% COMPACTION DENSITY. PLACE FILL IN 12" LIFTS MAXIMUM.

## S1 - Soft Light



8" LED Downlight
**LC8SL**
1000/1400/1800 Lumens
120V-277V, 347V
0-10V Dimming

**APPLICATIONS:**
LiteFrame Commercial LC8SL is a 8" commercial grade LED downlight with available outputs between 1000-1800 lumens. This is suitable to replace most CFL downlighting applications, while realizing substantial energy and maintenance savings. Rated for a minimum of 50,000 hours life (70% lumen maintenance) with ambient plenum temperatures up to 33°C. Free Air Flow around the fixture is required for optimal life performance. This product is not recommended for use with 3rd party "FIREHAT" or insulation barriers.

**HOUSING:**
Onepiece 22 gauge non-corrosive steel platform. Prewired J-box with snap-on cover for easy access. Snap-in connection from driver compartment allows easy installation of light engine/trim assembly and can be upgraded to accommodate technology improvements. Approved for 8 (4 in/4 out) No. 12 AWG conductors rated for 90°C through wiring.

**REFLECTOR:**
High purity aluminum, Alzak, iridescence suppressed, semi-diffuse reflector. Self-trim standard. Painted white self-trim (WT) available as option.

**LED LIGHT ENGINE:**
The LC8SL uses mid power Nichia LEDs, specifically mixed to provide a minimum of 80 CRI with 3 SDCM color consistency. The use of multiple mid power LEDs allows for optimal thermal management by effectively spreading the heat over a larger area and eliminating hot spots on the LEDs. A diffuse, yet highly transmissive lens obscures the view of the LEDs and creates a smooth, even look from below. The light engine is available in multiple Kelvin temperatures and the system is designed to provide optimal life and lumen maintenance (50,000 hours at 70% lumen maintenance). The reflector/light engine assembly is hermetically retained to the housing.

**LED DRIVER:**
The LC8SL utilizes a constant current LED driver. This same driver is capable of running all three different lumen outputs, resulting in a reduction of housing stock and simplified specification. The driver is UL8750, Class II compliant and universal 120V-277V.

**DIMMING:**
Comes standard with flicker-free 0-10V dimming to 10%. 0-10V to 1% dimming option is also available. See list of compatible dimmers on page 3. For the sizing of the control circuit, the dimming circuit may require up to 2mA of sink current.

**INSTALLATION:**
Light commercial bar hangers included. Universal adjustable mounting brackets also accept ½" EMT conduit or 1½" or ¾" baffling channel (by others) or Prescolite 24" bar hangers (B24 or B6).

**CERTIFICATIONS:**
CSA certified to US and Canadian safety standards. Suitable for wet locations (EM and EMR damp location). ENERGY STAR Qualified.
This product qualifies as a "designated country construction material" per FAR 52.225-11 Buy American-Construction. Materials under Trade Agreements effective 6/10/2020. See Buy American Solutions.

**WARRANTY:**
5 year warranty. See www.prescolite.com for details.

Order housing, reflector, and accessories separately

CATALOG NUMBER: EXAMPLE: LC8SL8CS1IA35KPWT

| HOUSING | DRIVER OPTIONS | VOLTAGE | HOUSING OPTION |
|---|---|---|---|
| ☐ **LC8SL** Standard Lumen 0-10V Dimming to10% 120V277V | Standard 0-10V Dimming ☐ **DM1** 0-10V 1% Dimming | Standard 120-277V ☐ **347**[1] 347V | ☐ **EM**[2,3] Integral Battery Pack ☐ **EMR**[2] Remote Battery Pack ☐ **CP**[3,4] Chicago Plenum |

| TRIM APERTURE | OUTPUT | KELVIN | CRI | KEY FINISH/ COLOR OPTION | REFLECTOR OPTIONS |
|---|---|---|---|---|---|
| ☐ **BLCSL** Standard Lumen Clear Alzak Reflector | ☐ **10L** 1000 Lumen | ☐ **27K** 2700 Kelvin | ☐ **8** 80+ | Standard Semi Gloss White | ☐ **WT** Painted White Flange only |
| | ☐ **14L** 1400 Lumen | ☐ **30K** 3000 Kelvin | ☐ **9** 90+ CRI | ☐ **WH** Painted Matte White Reflector and Flange. | ☐ **W9** Wide Flange |
| | ☐ **18L** 1800 Lumen | ☐ **35K** 3500 Kelvin | | | ☐ **EM**[2,3] Integral Battery Pack |
| | | ☐ **40K** 4000 Kelvin | | | ☐ **CP**[3,4] Chicago Plenum |
| | | ☐ **50K** 5000 Kelvin | | | |

| ACCESSORIES: |
|---|
| ☐ **B24** Set of two(2) 24" bar hangers for T-bar ceilings |
| ☐ **B6** Set of two (2) bar hangers for ceiling grid up to 24" centers |
| ☐ **SCABD** Shaped ceiling adapter (see note on page 4) |
| ☐ **LiteDose**[5] Inverter, single phase control (120V-277V/347V-250VA |
| ☐ **1PS Sensor**[6] LitePower microinverter, 20VA-55VA |

[1] See Control Inverter compatibility note and wall/ trim on page 3
[2] EM/ must be selected on both the housing and the trim
[3] Not compatible with DM or DMR
[4] Compatible with DM only
[5] Compatible with DMR only
[6] CP must be selected on both the housing and the trim
[7] Not compatible with CP

prescolite
A Division of Hubbell Lighting, Inc.

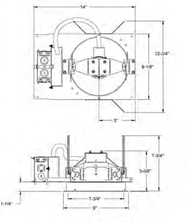
In a continuing effort to offer the best product possible we reserve the right to change, without notice, specifications or materials that in our opinion will not alter the function of the product.
Web: **www.prescolite.com** • Tech Support: **(888) 777-4832**

**LFR-LED-042**

LC8SL-8LCSL-10L-30K-9-WH

DATE: 1-20-21 TYPE: S1
FIRM NAME: LRC GROUP
PROJECT: WALLACE POUGHKEEPSIE

LiteFrame
Ceiling Cutout: 9"-10"
Maximum Ceiling Thickness: 1 1/4"
For conversion to millimeters, multiply inches by 25.4
Not to Scale




**LC8SL 10L & 14L**
***See page 4 for LC8SL 18L line art**
***See page 4 for LC8SLEM line art**
***See page 4 for LC8SLCP line art**

## W3 and W4 Wall

KIM LIGHTING

LED Wall Forms® **WF23**
Shallow Cutoff Face Surface Mount, Round
revision 10/24/14 • kl_wf23led_spec.pdf

**Type:** Small Wall Lights W3 and W4 - mounted at 9 and 10' lens height
**Job:** Wallace Campus - Poughkeepsie
**Catalog number:** W3: WF23-9L3KUV-DB
W4: WF23-18L3KUV-DB

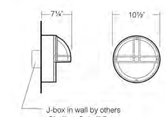
WF23 / / / /
Fixture / Electrical Module / Finish / Options

See page 2

**Approvals:**

**Date:**
**Page: 1 of 2**

## Specifications




J-box in wall by others
**Shallow Cutoff Face Surface Mount**



**WF23 with LED**



Light distribution
Shallow Cutoff Face

**Surface Mount:** Die-cast, low copper (<0.6% Cu) aluminum alloy with double side walls. Zinc plated steel mounting plate supplied for mounting to standard 3" or 4" junction box.

**Face Plate:** Die-cast, low copper (<0.6% Cu) aluminum alloy with vertical and horizontal double ribs covering the full hemisphere. Ribs are minimum ⅝" depth and ⅜" thickness. Secures to housing with four stainless steel captive socket head screws.

**Shallow Cutoff Face:** Solid upper half protruding 3⅛" from housing and concave lower half.

**Lens:** Flat tempered glass, ⅛" minimum thickness with internal sandblast. Retained in face plate and sealed with a one-piece silicone gasket.

**LED Optical System:** A total of 9 LED emitters configured in a rectangular array comprised together as a module. One (1) module for 9 LED version and two (2) modules for 18 LED version. Available in 580lms, 3000K, 4200K and 5100K.

**LED Driver:** Rated for 9 or 18 LED. Universal voltage from 120 to 277V with a ±10% tolerance. -40ºF starting temperature. All drivers are Underwriters Laboratories recognized.

**Finish:** Each luminaire receives a fade and abrasion resistant, electrostatically applied, thermally cured. triglycidal isocyanurate (TGIC) polyester powdercoat finish. Standard colors include (BL) Black, (DB) Dark Bronze, (WH) White, (PS) Platinum Silver, (SG) Stealth Gray, (LG) Light Gray, and (CC) Custom Color (Include RAL#).

**Finishing Items:** Electrical modules and face plates. Each set of finishing items shall be in one container, clearly marked with the fixture catalog number.

**CAUTION:** Fixtures must be grounded in accordance with national, state, and/or local electrical codes. Failure to do so may result in serious personal injury.

| Listings and Ratings | | | |
|---|---|---|---|
| ETL[1] to UL Standard 8750 | IP66 Rated | CE | 25C Ambient |

[1]Suitable for wet locations
KIM LIGHTING RESERVES THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE.

HUBBELL Lighting, Inc.
**U.S. PATENTS:** D383,054, D381,452, D378,621

© 2014 KIM LIGHTING • 16555 EAST GALE AVENUE, CITY OF INDUSTRY, CA 91745-1788 • TEL: (626)968-5866 • FAX: (626)968-5716

## W3 and W4 Wall

KIM LIGHTING

LED Wall Forms® **WF23**
Shallow Cutoff Face Surface Mount, Round
revision 10/24/14 • kl_wf23led_spec.pdf

**Type:** Small Wall Lights W3 and W4 - mount at 9 and 10' lens heights
**Job:** Wallace Campus - Poughkeepsie

**Page: 2 of 2**

## Standard Features

| | | |
|---|---|---|
| **Fixture** | Cat. No.: **WF23** | W3: WF23-9L3KUV-DB<br>W4: WF23-18L3KUV-DB |
| **Electrical Module**<br>**LED** = Light Emitting Diodes | Cat. Nos. for Electrical Modules available:<br>☐ **9L2KUV**[1] ☐ **18L2KUV**[1]<br>☒ **9L3KUV**[1] **W3** ☒ **18L3KUV**[1] **W4**<br>☐ **9L4KUV**[1] ☐ **18L4KUV**[1]<br>☐ **9L5KUV**[1] ☐ **18L5KUV**[1] | |
| **Finish**<br>TGIC powder coat | Color: Black, Dark Bronze, Light Gray, Stealth Gray, Platinum Silver, White, Custom Colors[2]<br>Cat. No.: ☐ **BL** ☐ **DB** ☐ **LG** ☐ **SG** ☐ **PS** ☐ **WH** ☐ **CC** | |

[1]For LED, 9L = 9LED Emitters; 18L = 18 LED Emitters; 2K = 5800mm color temperature; 3K = 3000K color temperature; 4K = 4200K color temperature; 5K = 5100K color temperature; UV = Universal Voltage from 120 to 277V with a ± 10% tolerance.

[2]Custom colors subject to additional charges, minimum quantities and extended lead times. Consult representative. Custom color description: _____

## LIGHTING SCHEDULE:

Schedule

| Symbol | Label | Quantity | Manufacturer | Catalog Number | Description | Lamp | Number Lamps | Filename | Lumens Per Lamp | Light Loss Factor | Wattage |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5QN | 1 | Kim Lighting | UR20-24L-25-3K7-5QN-PT | UR20 | LED 3000K | 1 | UR20-24L-25-3K7-5QN-PT.ies | 2692 | 0.9 | 25 |
| | 5W | 1 | Kim Lighting | UR20-24L-25-3K7-5W-PT | UR20 | LED 3000K | 1 | UR20-24L-25-3K7-5W-PT.ies | 3032 | 0.9 | 25 |
| | S1 | 18 | PRESCOLITE | LC8SLPH-8LCSL10L30K8 | 8" LED Downlight PowerHUBB Enabled | LED 3000K | 1 | LC8SLPH-8LCSL10L30K8.ies | 1071 | 0.9 | 14 |
| | W | 2 | Kim Lighting | UR20-24L-65-3K7-4-BC-PT | UR20 | LED 3000K | 1 | UR20-24L-65-3K7-4-BC-PT.ies | 4920 | 0.9 | 65 |
| | W1 | 5 | Kim Lighting | UR20-24L-25-3K7-3-PT | UR20 | LED 3000K | 1 | UR20-24L-25-3K7-3-PT.ies | 2999 | 0.9 | 25 |
| | W1a | 4 | Kim Lighting | UR20-24L-25-3K7-3 | UR20 | LED 3000K | 1 | UR20-24L-25-3K7-3.ies | 3122 | 0.9 | 25 |
| | W2 | 12 | Kim Lighting | UR20-24L-25-3K7-4-PT | UR20 | LED 3000K | 1 | UR20-24L-25-3K7-4-PT.ies | 3051 | 0.9 | 25 |
| | W2a | 2 | Kim Lighting | UR20-24L-25-3K7-4 | UR20 | LED 3000K | 1 | UR20-24L-25-3K7-4.ies | 3116 | 0.9 | 25 |
| | W3 | 15 | Kim Lighting | WF21S-9L3K | WALL FORMS | LED 3000K | 1 | WF23-9L3K.ies | 640 | 0.9 | 11.8 |
| | W4 | 4 | Kim Lighting | WF21S-18L3K | WALL FORMS | LED 3000K | 1 | WF23-18L3K.ies | 1100 | 0.9 | 20.2 |

KIM LIGHTING **W1a and W2a Wall Mount**

**UR20**
ARCHITECTURAL AREA/SITE

DATE: 02/19/21 LOCATION: Poughkeepsie, NY
TYPE: Wall PROJECT: WALLACE CAMPUS
CATALOG #: UR20 - 24L-25 - 3K8 - Type 3 or 4

### FEATURES

- 20' size in post top, pole and wall mount
- High performance optics up to 17,000 delivered lumens
- Elegant form factor
- Diffusion lens option
- SiteSync™ wireless control options
- UL/CUL listed for wet locations, IP65 and 3G vibration rated




### CONTROL TECHNOLOGY

SiteSync NX DISTRIBUTED INTELLIGENCE

### RELATED PRODUCTS

Ouro Small Post Top | Ouro Large Post Top | Ouro Large Arm Mount

### SPECIFICATIONS

**CONSTRUCTION**
- Low copper aluminum alloy die-casting is designed as one-piece with internal cooling fins.
- Solid, cast aluminum wall creates a thermal barrier between the optical and electrical compartments.
- Molded silicone gasket throughout insures the sealing between the two compartments and provides ingress protection.
- Housing is designed with integral LED heat sink utilized for thermal transfer and for securing the location of each LED module.
- IK09 rated enclosure protects electrical equipment against external mechanical impacts.
- All external fasteners are stainless steel.
- One-piece low copper aluminum alloy die-cast lens frame is secured to housing with 6 screws.

**OPTICS**
- LEDs mount to a metal printed circuit board assembly (MCPCB).
- Optical lenses are clear injection molded PMMA acrylic.
- Optional Backlight Control on each LED module to completely control unwanted backlight.

**INSTALLATION**
- Fixtures must be grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious personal injury.

**ELECTRICAL**
- Universal voltage, 120 through 277V with a ±10% tolerance. Driver is Underwriters Laboratories listed.
- High voltage configurations, 347/480. Driver has a 0-10V dimming interface for multi-level illumination options. Driver is Underwriters Laboratories listed.
- "Thermal Shield", secondary side, thermistor provides protection for the sustainable life of LED module and electronic components
- Drivers shall have greater than a 0.9 power factor, less than 20% harmonic distortion, and be suitable for operation in -40°C to 40°C ambient environments.
- Luminaire shall be capable of operating at 100% brightness in a 40°C environment. Both driver and optical array have integral thermal protection that will dim the luminaire upon detection of temperatures in excess of 85°C.
- Surge protection: 10,000k in parallel, 20,000k in series
- Wiring: No. 18AWM rated 105°C, wet rating.

**CONTROLS**
**7PR**
- Fully gasketed and wired 7-pin receptacle option. Easy access location above the electrical compartment. 7-pin construction allows for a user-defined interface and provides a controlled definition of operational performance. ANSI twist-lock control module by-others.

Standard customer operation modes:
- Traditional on/off photoelectric control
- 5-pin wireless photoelectric control for added dimming feature.
- 7-pin wireless photoelectric control for for dimming and additional I/O connections for customer use.



7PR OPTION

(Specifications continued on page 3)

| KEY DATA | |
|---|---|
| Lumen Range | 2888 - 17080 |
| Wattage Range | 25 - 150 |
| Efficacy Range (LPW) | 100 -136 |
| Reported Life (Hours) | L70>60,000 |
| Weight | 32 lbs - 14.5 Kg |
| EPA | 0.372 |



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HUBBELL Lighting

KIM LIGHTING **W1a and W2a Wall Mount**

**UR20**
ARCHITECTURAL AREA/SITE

DATE: 02/19/21 LOCATION: Poughkeepsie, NY
TYPE: Wall PROJECT: WALLACE CAMPUS
CATALOG #: UR20 - 24L-25 - 3K8 - Type 3 or 4

### ORDERING GUIDE

Example: UR20-24L-25-3K8-3-L-UNV-ASQ-BLT-7PR-BC-SWTAB

CATALOG # | UR20 - 24L - 25 - 3K7 - Type 3 or 4 Optic as noted on schedule - / - / - / WB Wall Bracket.

**HOUSING**

| UR20 | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Model** | **LED Engine** | **CCT** | **Distribution** | **Rotation** | **Voltage** | | |
| UR20 Ouro | **No Lens or Clear Lens** | AM Amber, 590nm peak * | **No Lens or Clear Lens** | Blank for no rotation | UNV 120-277V | | |
| | **24L-25** 5,500 lm | **3K7** 3000K, 70 CRI | FR Type 1Front Row | L * Optic rotation left | 347 347V | | |
| | **24L-65** 7,000 lm | 3K8 3000K, 80 CRI | 2 Type II | R * Optic rotation right | 480 480V | | |
| | **56L-75** 10,000 lm | 3K9 3000K, 90 CRI | 3 Type III | | DALI 120-277V | | |
| | **56L-110** 15,000 lm | 4K7 4000K, 70 CRI | 4 Type IV | | **Consult factory** | | |
| | **56L-140** 17,000 lm | 4K8 4000K, 80 CRI | 4W Type IV Wide | | | | |
| | **HDL - High Diffusion Lens** | 5K7 5000K, 70 CRI | 5QM Type V Square Medium | | | | |
| | **28L-30** 3,000 lm | | 5QN Type V Square Narrow | | | | |
| | **28L-70** 7,000 lm | | 5R Type V Rectangular | | | | |
| | **68L-80** 9,000 lm | | 5W Type V Wide (Round) | | | | |
| | **68L-115** 13,000 lm | | **HDL - High Diffusion Lens** | | | | |
| | **68L-150** 15,000 lm | | 3 Type IIIAsymmetric | | | | |
| | | | 5W Type V/Symmetric | | | | |

| Mounting | | Fixture Finish | | Control Options | | Options | | Control Accessories | |
|---|---|---|---|---|---|---|---|---|---|
| ASQ Arm Square pole | | BL Black | | 7PR-TL 7 pin PCR with twist lock photocontrol | | BC * Black-light Control | | SW7PR **,*** SiteSync with 7 pin PCR | |
| A34 Arm mt 3.3-4.2" OD pole | | DB Dark Bronze | | 7PR-SC 7 pin PCR with shorting cap | | SF Single Fuse | | SWUSB SiteSync Software on USB | |
| A46 Arm mt 4.5-6.0" OD pole | | GT Graphite | | 7PR 7 pin PCR, wireless control enabled | | DF Double Fuse | | SWTAB SiteSync Windows/ Tablet | |
| MAF Horizontal Slip Fitter 2 3/8" OD tenon | | LG Light Grey | | AD-01 * AstroDIM 50% output at midnight | | TB Terminal Block | | SWBRG SiteSync Wireless Bridge Node | |
| SVSF Square Vertical Spigotsr for 2"Schm 2-3/8"OD | | PS Platinum Silver | | AD-02 * AstroDIM 50% output midnight to 4 AM | | CLR * Clear Lens | | WIR-RME-L wiSCAPE External Fixture Module | |
| VSF Round Vertical Spigotsr for 2"Tenon 2-3/8"OD | | TT Titanium | | AD-03 * AstroDIM 50% output 10PM to 4AM | | TL Tamper proof latch | | SCH-R Occ. Sensor for Round Pole (up to 30' MH) | |
| WB Wall Bracket | | WH White | | AD-04 * AstroDIM 50% output 10PM to 4AM | | | | SCH-S Occ. Sensor for Square Pole (up to 30' MH) | |
| | | CC Custom Color * | | NXWE NX Wireless Enabled | | | | NXGPM-1RID-UNV NX 7-pin Module | |
| | | | | SWP-NX ***** SiteSync Pro commission | | | | | |
| | | | | SWPM-40F ****** SiteSync with Sensor 9' to 40' MH | | | | | |
| | | | | WSP-40F-1 ** Dimming Occ. Sensor for up to 40' MH, 120/277/347V | | | | | |
| | | | | WSP-40F-2 ** Dimming Occ. Sensor for up to 40' MH, 208/240V | | | | | |
| | | | | WSP-40F-3 ** Dimming Occ. Sensor for up to 40' MH, 480V | | | | | |
| | | | | NXSPW14F ** NX Wireless, PIR Sensor, 14' | | | | | |
| | | | | NXSPW20F ** NX Wireless, PIR Occupancy Sensor, Dimming Daylight Harvesting, 30' | | | | | |
| | | | | NXSP14F ** NX, PIR Occupancy Sensor Dimming Daylight Harvesting, 14' | | | | | |
| | | | | NXSP30F ** NX, PIR Occupancy Sensor, Dimming Daylight Harvesting, 30' | | | | | |

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1 Not available with SQM, SQN, and 5W distributions.
2 Not available with other sensor or wireless control options.
3 Sensor group and zone of time UI option. See www.hubbelllighting.com/account for more details. Order at least one SiteSync® interface accessory SWUSB or SWTAB. Electrolytic contains SiteSync License, GUI, and Bridge Node.
4 Not available with 347V and 480V.
5 24L & 56L only.
6 Not available with Type V distributions or HDL optics.
7 Consult factory for custom colors, marine and corrosive finish options.
8 Turtle Friendly.



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HUBBELL Lighting

KIM LIGHTING **W, W1, W2, 5QN, and 5W Post Top Mount**

**UR20**
ARCHITECTURAL AREA/SITE

DATE: 02/19/21 LOCATION: Poughkeepsie, NY
TYPE: Post Top PROJECT: WALLACE CAMPUS
CATALOG #: UR20 - 24L - 25 - 3K8

### FEATURES

- 20' size in post top, pole and wall mount
- High performance optics up to 17,000 delivered lumens
- Elegant form factor
- Diffusion lens option
- SiteSync™ wireless control options
- UL/CUL listed for wet locations, IP66 and 4G/1.5G vibration rated




### CONTROL TECHNOLOGY

SiteSync NX DISTRIBUTED INTELLIGENCE

### RELATED PRODUCTS

Ouro Small Arm Mount | Ouro Large Post Top | Ouro Large Arm Mount

### SPECIFICATIONS

**CONSTRUCTION**
- Low copper aluminum alloy die-casting is designed as one-piece.
- Molded silicone gasket throughout insures the sealing between the two compartments and provides ingress protection.
- IK09 rated enclosure protects electrical equipment against external mechanical impacts.
- All external fasteners are stainless steel.
- Cover is secured to Lens frame by the latch and hinge.

**OPTICS**
- LEDs mount to a metal printed circuit board assembly (MCPCB).
- Optical lenses are clear injection molded PMMA acrylic.
- Optional Backlight Control on each LED module to completely control unwanted backlight.
- Optional fixture finish optical surfaces will not exceed BUG ratings of the standard white finish.

**INSTALLATION**
- Fixtures must be grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious personal injury.

**ELECTRICAL**
- Universal voltage, 120 through 277V with a ±10% tolerance. Driver is Underwriters Laboratories listed.
- High voltage configurations, 347/480. Driver has a 0-10V dimming interface for multi-level illumination options. Driver is Underwriters Laboratories listed.
- "Thermal Shield", secondary side, thermistor provides protection for the sustainable life of LED module and electronic components
- Drivers shall have greater than a 0.9 power factor, less than 20% harmonic distortion, and be suitable for operation in -40°C to 40°C ambient environments.
- Luminaire shall be capable of operating at 100% brightness in a 40°C environment. Both driver and optical array have integral thermal protection that will dim the luminaire upon detection of temperatures in excess of 85°C.
- Surge protection: 10,000k in parallel, 20,000k in series
- Wiring: No. 18AWM rated 105°C, wet rating.

**CONTROLS**
**7PR**
- Fully gasketed and wired 7-pin receptacle option. Easy access location above the electrical compartment. 7-pin construction allows for a user-defined interface and provides a controlled definition of operational performance. ANSI twist-lock control module by-others.

Standard customer operation modes:
- Traditional on/off photoelectric control
- 5-pin wireless photoelectric control for added dimming feature.
- 7-pin wireless photoelectric control for for dimming and additional I/O connections for customer use.



7-Pin receptacle placement

(Specifications continued on page 3)

| KEY DATA | |
|---|---|
| Lumen Range | 2694 - 16874 |
| Wattage Range | 25 - 150 |
| Efficacy Range (LPW) | 95 -133 |
| Reported Life (Hours) | L70>60,000 |
| Weight | 35 lbs - 15.8 Kg |
| EPA | 0.608 |

**Photocell receptacle wiring diagram**




(Specifications continued on page 3)



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HUBBELL Lighting

KIM LIGHTING **W, W1, W2, 5QN, and 5W Post Top Mount**

**UR20**
ARCHITECTURAL AREA/SITE

DATE: 02/19/21 LOCATION: Poughkeepsie, NY
TYPE: Post Top PROJECT: WALLACE CAMPUS
CATALOG #: UR20 - 24L - 25 - 3K8

### ORDERING GUIDE

Example: UR20-24L-25-3K8-3-L-UNV-FM33-BLT-7PR-BC-SWTAB

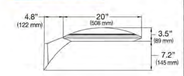
CATALOG # | UR20 - 24L - 25 - 3K7--Optic Type as noted on schedule

**HOUSING**

| UR20 | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Model** | **LED Engine** | **CCT** | **Distribution** | **Rotation** | **Voltage** | | |
| UR20 Ouro | **No Lens or Clear Lens** | AM Amber, 590nm peak * | **No Lens or Clear Lens** | Blank for no rotation | UNV 120-277V | | |
| | **24L-25** 5,500 lm | **3K7** 3000K, 70 CRI | FR Type 1Front Row | L * Optic rotation left | 347 347V | | |
| | **24L-65** 7,000 lm | 3K8 3000K, 80 CRI | 2 Type II | R * Optic rotation right | 480 480V | | |
| | **56L-75** 10,000 lm | 3K9 3000K, 90 CRI | 3 Type III | | DALI 120-277V | | |
| | **56L-110** 15,000 lm | 4K7 4000K, 70 CRI | 4 Type IV | | **Consult factory** | | |
| | **56L-140** 17,000 lm | 4K8 4000K, 80 CRI | 4W Type IV Wide | | | | |
| | **HDL - High Diffusion Lens** | 5K7 5000K, 70 CRI | 5QM Type V Square Medium | | | | |
| | **28L-30** 3,000 lm | | 5QN Type V Square Narrow | | | | |
| | **28L-70** 7,000 lm | | 5R Type V Rectangular | | | | |
| | **68L-80** 9,000 lm | | 5W Type V Wide (Round) | | | | |
| | **68L-115** 13,000 lm | | **HDL - High Diffusion Lens** | | | | |
| | **68L-150** 15,000 lm | | 3 Type IIIAsymmetric | | | | |
| | | | 5W Type V/Symmetric | | | | |

| Mounting | | Fixture Finish | | Control Options | | Options | | Control Accessories | |
|---|---|---|---|---|---|---|---|---|---|
| FM33 Flush mt 3.5" OD pole, 3" fallout tube | | BL Black | | 7PR-TL 7 pin PCR with twist lock photocontrol | | BC * Black-light Control | | SW7PR **,*** SiteSync with 7 pin PCR | |
| FM44 Flush mt 3.6" to 4.0" OD pole, 4" fitsom base | | DB Dark Bronze | | 7PR-SC 7 pin PCR with shorting cap | | SF Single Fuse | | SWUSB SiteSync Software on USB | |
| P123 3" Post Top mount for 2 3/8" OD Tenon | | GT Graphite | | 7PR 7 pin PCR, wireless control enabled | | DF Double Fuse | | SWTAB SiteSync Windows/ Tablet | |
| P124 4" Post Top mount for 2 3/8" OD Tenon | | LG Light Grey | | AD-01 * AstroDIM 50% output at midnight | | TB Terminal Block | | SWBRG SiteSync Wireless Bridge Node | |
| P134 4" Post Top mount for 2 7/8" OD Tenon | | PS Platinum Silver | | AD-02 * AstroDIM 50% output midnight to 4 AM | | CLR * Clear Lens | | WIR-RME-L wiSCAPE External Fixture Module | |
| | | TT Titanium | | AD-03 * AstroDIM 50% output 10PM to 4AM | | TL Tamper proof latch | | SCH-R Occ. Sensor for Round Pole (up to 30' MH) | |
| | | WH White | | AD-04 * AstroDIM 50% output 10PM to 4AM | | | | SCH-S Occ. Sensor for Square Pole (up to 30' MH) | |
| | | CC Custom Color * | | NXWE NX Wireless Enabled | | | | NXGPM-1RID-UNV NX 7-pin Module | |
| | | | | SWP-NX ***** SiteSync Pro commission | | | | | |
| | | | | SWPM-40F ****** SiteSync with Sensor 9' to 40' MH | | | | | |
| | | | | WSP-40F-1 ** Dimming Occ. Sensor for up to 40' MH, 120/277/347V | | | | | |
| | | | | WSP-40F-2 ** Dimming Occ. Sensor for up to 40' MH, 208/240V | | | | | |
| | | | | WSP-40F-3 ** Dimming Occ. Sensor for up to 40' MH, 480V | | | | | |
| | | | | NXSPW14F ** NX Wireless, PIR Sensor, 14' | | | | | |
| | | | | NXSPW20F ** NX Wireless, PIR Occupancy Sensor, Dimming Daylight Harvesting, 30' | | | | | |
| | | | | NXSP14F ** NX, PIR Occupancy Sensor, Dimming Daylight Harvesting, 14' | | | | | |
| | | | | NXSP30F ** NX, PIR Occupancy Sensor, Dimming Daylight Harvesting, 30' | | | | | |

## DIMENSIONS




Weight: 32 lbs EPA: .372

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1 Not available with SQM, SQN, and 5W distributions.
2 Not available with other sensor or wireless control options.
3 Sensor group and zone of time UI option. See www.hubbelllighting.com/account for more details. Order at least one SiteSync® interface accessory SWUSB or SWTAB. Electrolytic contains SiteSync License, GUI, and Bridge Node.
4 Not available with 347V and 480V.
5 24L & 56L only.
6 Not available with Type V distributions or HDL optics.
7 Consult factory for custom colors, marine and corrosive finish options.
8 Turtle Friendly.

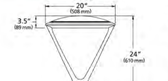


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HUBBELL Lighting

## DIMENSIONS

FM33




EPA: .512

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1 Not available with SQM, SQN, and 5W distributions.
2 Not available with other sensor or wireless control options.
3 Sensor group and zone of time UI option. See www.hubbelllighting.com/account for more details. Order at least one SiteSync® interface accessory SWUSB or SWTAB. Electrolytic contains SiteSync License, GUI, and Bridge Node.
4 Not available with 347V and 480V.
5 24L & 56L only.
6 Not available with Type V distributions or HDL optics.
7 Consult factory for custom colors, marine and corrosive finish options.
8 Turtle Friendly.

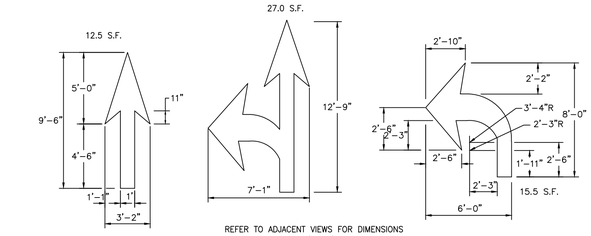


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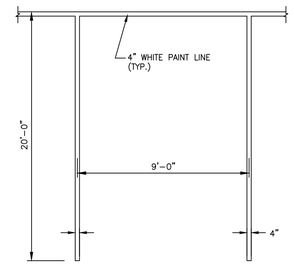



| No. | Date | Description |
|---|---|---|
| 1 | 06.05.20 | REVISED PER CITY COMMENTS |
| 2 | 07.10.20 | PLANNING BOARD RE-SUBMISSION |
| 3 



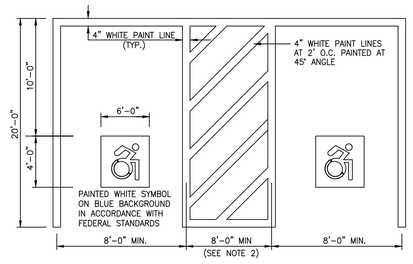

REFER TO ADJACENT VIEWS FOR DIMENSIONS (WHITE)
(ARROWS TO BE CENTERED IN TRAVEL LANE)

## PAVEMENT ARROW DETAILS
NOT TO SCALE



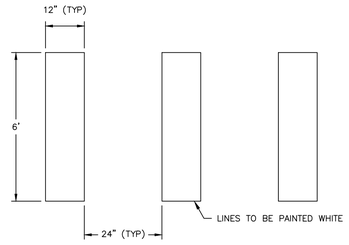

NOTE:
1. PROVIDE 2 COATS OF PAINT ON ALL SURFACES.
2. SEE PLAN FOR ACTUAL SPACE LOCATION AND DIMENSIONS.

## TYPICAL PARKING SPACE DETAIL
NOT TO SCALE



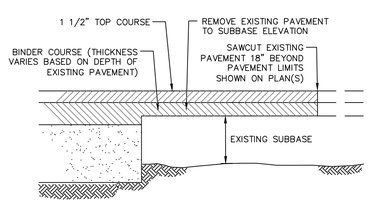

NOTES:
1. SEE SITE PLAN FOR ACCESSIBLE SPACE LOCATION AND DIMENSIONS.
2. PROVIDE 2 COATS OF PAINT ON ALL SURFACES.

## TYPICAL ACCESSIBLE PARKING SPACE DETAIL
NOT TO SCALE

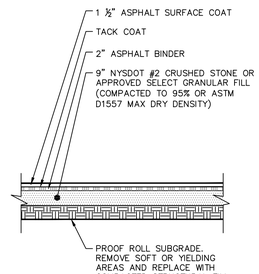



1. PROVIDE TWO COATS OF PAINT ON ALL SURFACES.
2. SEE PLANS FOR LOCATION OF CROSSWALKS.
3. LADDER CROSSWALK (NYSDOT TYPE L).

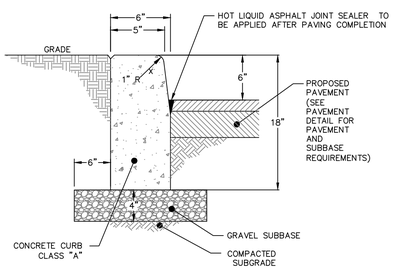
## PAINTED CROSSWALK STRIPING
NOT TO SCALE




## PAVEMENT TRANSITION DETAIL
NOT TO SCALE

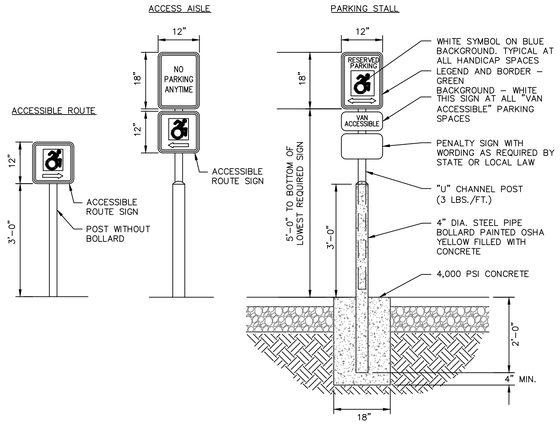



## STANDARD ASPHALT PAVING
NOT TO SCALE



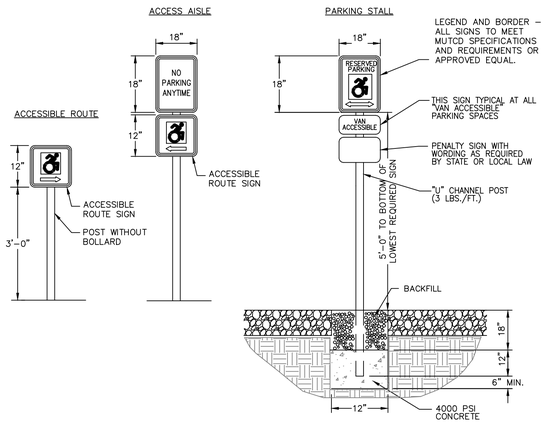

NOTES:
1. COMPACT NATIVE MATERIAL PRIOR TO INSTALLATION OF STONE SUBBASE. SEE NOTE SHEET NS-1 FOR COMPACTION REQUIREMENTS.

## ON-SITE CONC. CURB
NOT TO SCALE



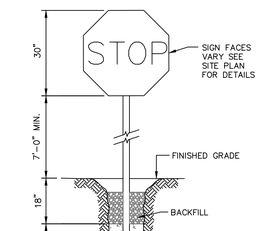

## ACCESSIBLE PARKING & ACCESS SIGNS
NOT TO SCALE

FOR USE IN PAVED AREAS



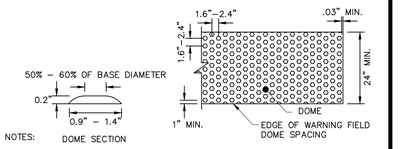

## ACCESSIBLE PARKING & ACCESS SIGNS
NOT TO SCALE

FOR USE IN NON PAVED AREAS



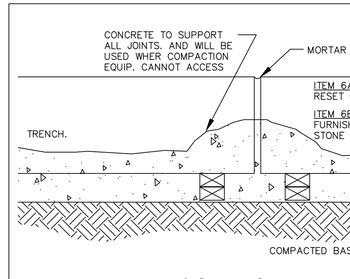

NOTE:
1. CONSTRUCT SIGN IN ACCORDANCE WITH CURRENT NYSDOT AND MUTCD STANDARDS.

## SIGN DETAIL
NOT TO SCALE



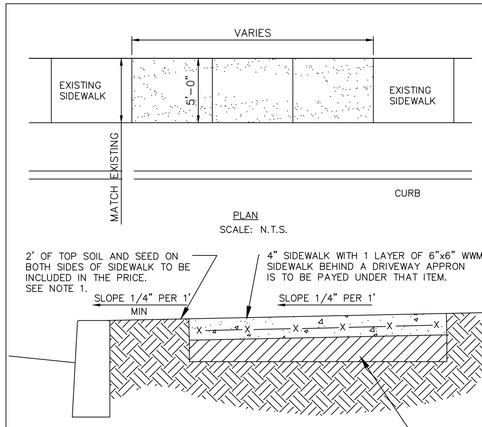

NOTES:
1. THE DETAILS PROVIDED ARE NOT DRAWN TO SCALE, THE QUANTITY OF DOMES DEPICTED ON THE DETECTABLE WARNING UNIT (THE DOMES AND THE ENTIRE 24" LEVEL SURFACE) IS FOR ILLUSTRATION ONLY.
2. THE SIZE OF THE DETECTABLE WARNING FIELD SHALL BE 24" IN THE DIRECTION OF TRAVEL AND SHALL EXTEND THE FULL WIDTH OF THE CURB RAMP OR FLUSH SURFACE.
3. THE ROWS OF DOMES SHALL BE ALIGNED TO BE PERPENDICULAR OR RADIAL TO THE GRADE BREAK BETWEEN THE RAMP LANDING OR CURB RAMP AND THE STREET.
4. WHERE DOMES ARE ARRAYED RADIALLY THEY MAY DIFFER IN DOME DIAMETER AND CENTER-TO- CENTER SPACING WITHIN THE RANGES SPECIFIED ON THIS SHEET.
5. THE DETECTABLE WARNING FIELD SHALL BE THE COLOR SPECIFIED IN THE CONTRACT DOCUMENTS OR MEET THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS.
6. DETECTABLE WARNING SHALL BE LOCATED SO THAT THE EDGE OR CORNER OF THE WARNING FIELD NEAREST TO THE ROADWAY IS 5" TO 9" FROM THE FRONT OF THE CURB OR THE ROADWAY EDGE (12" WHERE TRAVERSABLE CURB IS USED). INSTALL THE DETECTABLE WARNING FIELD BEHIND THE FLUSH CURB.
7. THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO A RAILROAD CROSSING SHALL BE 6'–0" MINIMUM AND 15'–0" MAXIMUM FROM THE CENTERLINE OF THE NEAREST RAIL.

## DETECTABLE WARNING STRIP
NOT TO SCALE




## GRANITE OR BLUESTONE CURB DETAIL

| | | | |
|---|---|---|---|
| CITY OF POUGHKEEPSIE ENGINEERING DEPARTMENT 62 CIVIC CENTER PLAZA POUGHKEEPSIE, NY 12602 | FILE NO.: 001-DET<br>DATE: 3-6-00<br>SCALE: AS NOTED<br>DRAWN BY: JP | GRANITE BLUE STONE DETIALS | 6<br>6A, 6B<br>PAGE NO. |

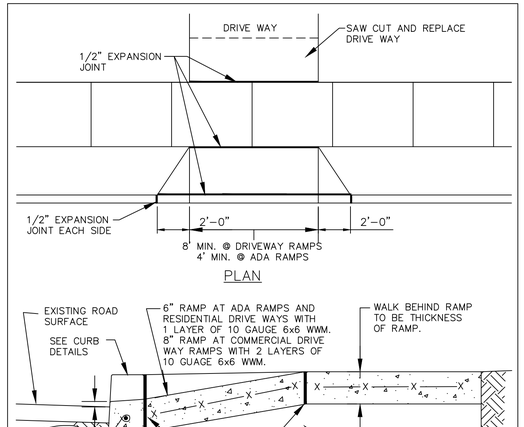



NOTES:
1. WHERE MATERIAL IS NOT USED THE CITY OF POUGHDEEPSIE WILL BE CREDITED IN AREAS WHERE MORE THAN THE SPECIFIED AMOUNT OF MATERIAL IS USED. MAJOR GRADE CHANGES WILL BE APROVED BY THE CITY ENGINEERING DEPT. AND WILL BE PAYED UNDER APROPRIATE ITEMS.

SECTION

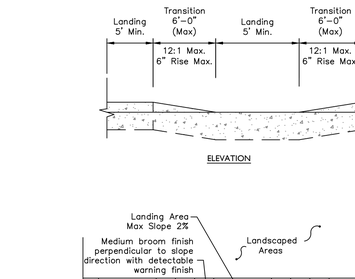
## SIDEWALK DETAIL REPLACE & NEW

| | | | |
|---|---|---|---|
| CITY OF POUGHKEEPSIE ENGINEERING DEPARTMENT 62 CIVIC CENTER PLAZA POUGHKEEPSIE, NY 12602 | PROJECT: 001-DET<br>DATE: 5-16-00<br>SCALE: AS NOTED<br>DRAWN BY: JP | SIDEWALK DETAIL | |




## DRIVEWAY RAMPS & ADA RAMP
SCALE: 1"=1'-0"

| | | | |
|---|---|---|---|
| CITY OF POUGHKEEPSIE ENGINEERING DEPARTMENT 62 CIVIC CENTER PLAZA POUGHKEEPSIE, NY 12602 | FILE NO.: 001-DET<br>DATE: 3-6-00<br>SCALE: AS NOTED<br>DRAWN BY: JP | DRIVEWAY & ADA RAMP DETIAL | 1<br>PAGE NO. |




## HANDICAP RAMP
NOT TO SCALE

DETAILS PROVIDED BY THE CITY OF POUGHKEEPSIE. FOR ALL WORK TO BE PERFORMED IN THE CITY ROW.

| # | Date | Description |
|---|---|---|
| 1 | 06.05.20 | REVISED PER CITY COMMENTS |
| 2 | 07.10.20 | PLANNING BOARD RE-SUBMISSION |
| 3 | 11.03.20 | PLANNING BOARD RE-SUBMISSION |
| 4 | 01.05.21 | RESPONSE TO CONSULTANT COMMENTS |
| 5 | 03.02.21 | RESPONSE TO CONSULTANT COMMENTS |

Revisions


LRC GROUP
• Land Planning
• Civil Engineering
• Environmental Services
• Land Surveying
• Landscape Architecture
85 Civic Center Plaza, Suite 103
Poughkeepsie NY 12601
Tel: 845.243.2880
160 West Street, Suite E
Cromwell, CT 06416
Tel: 860.635.2877
1 International Blvd, Suite 400
Mahwah, NJ 07495
Tel: 908.603.5730
www.lrcconsult.com
LRC Engineering & Surveying, DPC
LRC Engineering & Surveying, LLC
LRC Environmental Services, Inc.


STATE OF NEW YORK ROMEYE MORRISON 074164 LICENSED PROFESSIONAL ENGINEER

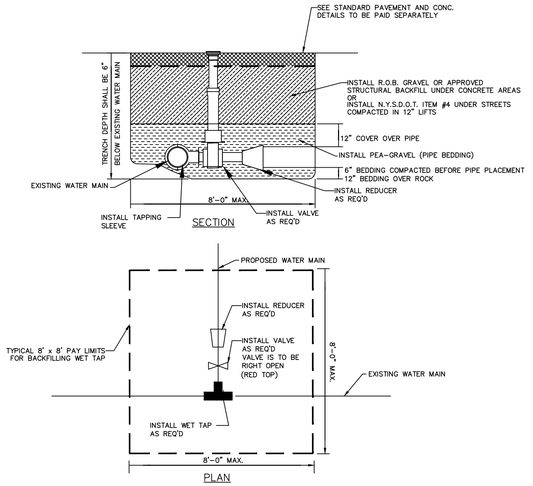
# SITE DETAILS

## WALLACE CAMPUS MANAGER, LLC

WALLACE CAMPUS
CITY OF POUGHKEEPSIE,
DUTCHESS COUNTY, NEW YORK

| | | | | | |
|---|---|---|---|---|---|
| Design/Calcs | LRC | CAD File | DN20254801.dwg | Sheet No. | DN-1 |
| Drawn | SMC | Project No. | 20-2548 | | |
| Checked | KFC | Date | 2020.04.10 | | |
| Approved | REM | Scale | NOTED | | |

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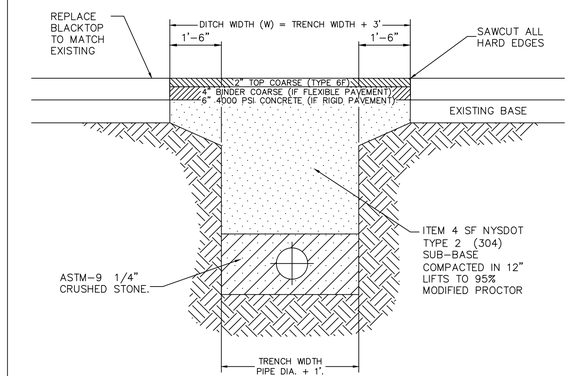



NOTE: ALL BACKFILL TO BE PLACED IN 1' LIFTS AND COMPACTED TO 95% OF MODIFIED PROCTOR (ASTM 1557)

## TAPPING SLEEVE & VALVE

SCALE: N.T.S.

| | | | |
|---|---|---|---|
| CITY OF POUGHKEEPSIE ENGINEERING DEPARTMENT 80 WASHINGTON STREET POUGHKEEPSIE, NY 12602 | FILE NO.: | TAPPING SLEEVE & VALVE | 1 PAGE NO. |
| | DATE: 3-6-00 | | |
| | SCALE: AS NOTED | | |
| | DRAWN BY: JP | | |

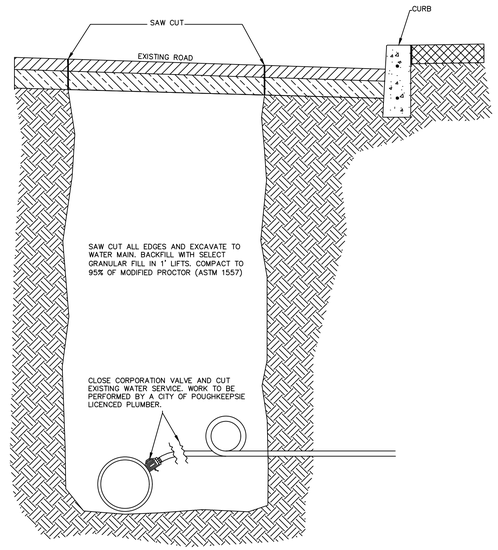



## UTILITY TRENCH DETAIL IN PUBLIC R.O.W.

NOTES:

1. DITCH WIDTH SHALL EXTEND A MINIMUM OF ONE AND ONE-HALF FT. FROM THE EDGES OF THE TRENCH.
2. REPLACED BASE MATERIAL OVER TRENCH SHALL BE ITEM 4 COMPACTED IN 12" LIFTS.
3. PIPE BEDDING SHALL BE A MINIMUM OF 6" ABOVE AND BELOW PIPE
4. ALL JOINTS SHALL BE MECHANICALLY SAWED.
5. ALL JOINTS SHALL BE SQUARED TO THE EXISTING EDGE OF CURB AND/OR PAVEMENT, AND TACK COATED PER DETAIL.
6. ROAD SURFACE REPLACEMENT SHALL BE MINIMUM OF SIX INCHES OF ASPHALIC CONCRETE.
7. ASPHALT PAVEMENT TO BE PLACED IN TWO LIFTS AS SHOWN.

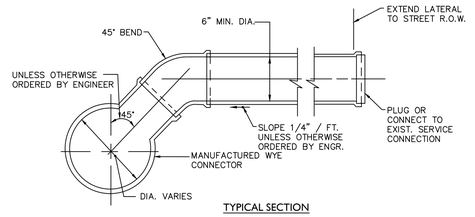
| | | | |
|---|---|---|---|
| CITY OF POUGHKEEPSIE ENGINEERING DEPARTMENT 62 CIVIC CENTER PLAZA POUGHKEEPSIE, NY 12602 | FILE NO.: FLEXPAVE.DWG | TRENCH AND PAVEMENT DETAIL | |
| | DATE: 9-9-04 | | |
| | SCALE: AS NOTED | | |
| | DRAWN BY: ENGINEERING | | |



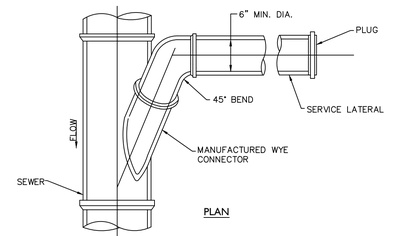

## WATER SERVICE DISCONNECT AT MAIN

SCALE: N.T.S.

| | | | |
|---|---|---|---|
| CITY OF POUGHKEEPSIE ENGINEERING DEPARTMENT 80 WASHINGTON STREET POUGHKEEPSIE, NY 12602 | FILE NO.: | WATER DISCONNECT @ MAIN | 1 PAGE NO. |
| | DATE: 08-21-08 | | |
| | SCALE: AS NOTED | | |
| | DRAWN BY: JTK | | |



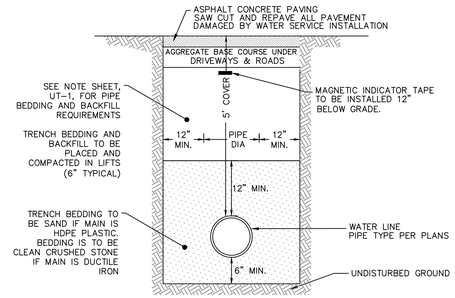

TYPICAL SECTION




PLAN

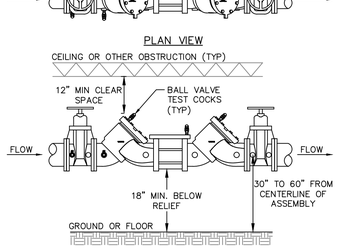
## STANDARD SERVICE LATERAL CONNECTION

NOT TO SCALE




## WATER MAIN TRENCH

NOT TO SCALE




PLAN VIEW



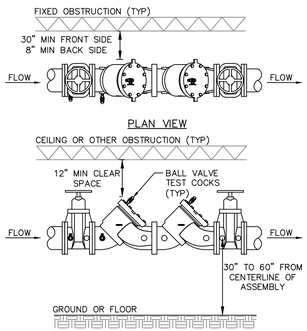

SECTION

NOTES:

1. ASSEMBLY TO BE INSTALLED HORIZONTALLY.
2. WATTS SERIES LF007 2" REDUCED PRESSURE ZONE OR APPROVED EQUAL.
3. RPZ TO BE INSTALLED IN MECHANICAL SPACE IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS AND MUST MEET ALL CLEARANCES AS OUTLINED ABOVE. SEE PLUMBING PLANS FOR FURTHER DETAILS.
4. ASSEMBLY TO BE TESTED BY A LICENSED BACKFLOW PREVENTION DEVICE TESTER AFTER INSTALLATION AND PRIOR TO ACTIVATION OF NEW WATER SUPPLY. THE RESULTS MUST BE SUBMITTED TO THE DCDOH AND CITY OF POUGHKEEPSIE AS PART OF THE ENGINEER'S CERTIFICATION.
5. ASSEMBLY MUST BE TESTED ANNUALLY BY A LICENSED BACKFLOW PREVENTION TESTER. COPIES OF THE TEST RESULTS MUST BE SUBMITTED TO THE OWNER, CITY OF POUGHKEEPSIE WATER DEPARTMENT, AND THE DUTCHESS COUNTY DEPARTMENT OF HEALTH.
6. RPZ TO DRAIN OUT EXTERIOR OF BUILDING WITH REQUIRED AIR GAP.

## DOMESTIC SUPPLY – REDUCED PRESSURE ZONE DETAIL

NOT TO SCALE




PLAN VIEW



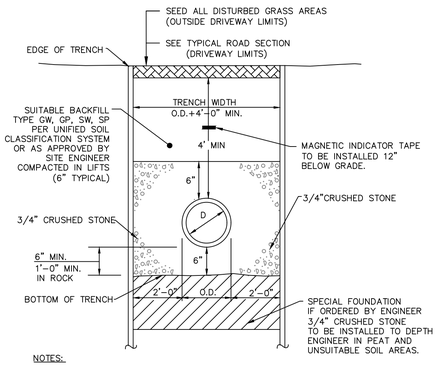

SECTION

NOTES:

1. ASSEMBLY TO BE INSTALLED HORIZONTALLY OR VERTICAL UP.
2. WATTS SERIES LF709 6" DOUBLE CHECK VALVE OR APPROVED EQUAL.
3. DCV TO BE INSTALLED IN MECHANICAL SPACE IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS AND MUST MEET ALL CLEARANCES AS OUTLINED ABOVE.SEE PLUMBING PLANS FOR FURTHER DETAILS.
4. ASSEMBLY TO BE TESTED BY A LICENSED BACKFLOW PREVENTION DEVICE TESTER AFTER INSTALLATION AND PRIOR TO ACTIVATION OF NEW WATER SUPPLY. THE RESULTS MUST BE SUBMITTED TO THE DCDOH AND TO CITY OF POUGHKEEPSIE AS PART OF THE ENGINEER'S CERTIFICATION.
5. ASSEMBLY MUST BE TESTED ANNUALLY BY A LICENSED BACKFLOW PREVENTION TESTER. COPIES OF THE TEST RESULTS MUST BE SUBMITTED TO THE OWNER, CITY OF POUGHKEEPSIE WATER DEPARTMENT, AND THE DUTCHESS COUNTY DEPARTMENT OF HEALTH.

## FIRE SUPPLY – DOUBLE DETECTION CHECK VALVE DETAIL

NOT TO SCALE




NOTES:

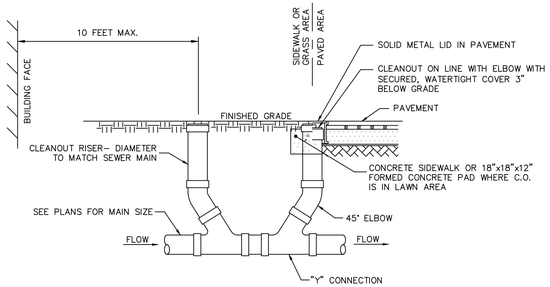
1. IF COVER IS LESS THAN 4 FEET INSULATION IS REQUIRED.
2. SEE NOTES SHEET UT-1 FOR SUBGRADE AND BACKFILL COMPACTION REQUIREMENTS

## SANITARY SEWER TRENCH SECTION

NOT TO SCALE

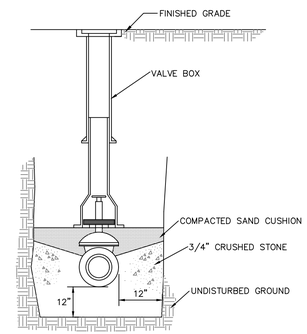
NOTES:

1. DOUBLE CLEANOUT TO BE INSTALLED ON ALL SEWER LATERALS WITHIN 10 FEET OF BUILDING FACE.
2. ANY LOCATIONS WITHIN PAVED AREAS SHALL HAVE COVERS THAT ARE H-20 LOAD RATED. ALL COVERS WHETHER IN PAVEMENT OR GRASS SHALL BE LABELED "SEWER".
3. ALL RISERS ARE TO MATCH THE SIZE OF THE SANITARY LINE.
4. IN LAWN AREAS INSTALL CONCRETE COLLAR 3 INCHES BELOW GRADE. COVER WITH TOP SOIL OR OTHER SURFACE TREATMENT AS DESIGNATED ON LANDSCAPE PLANS.




## DOUBLE SEWER CLEANOUT DETAIL

NOT TO SCALE




## VALVE AND VALVE BOX DETAIL

NOT TO SCALE

NOTE: SEE CITY OF POUGHKEEPSIE WATER NOTES FOR ADDITIONAL DETAILS.

STATE OF NEW YORK ROMEYE MORRISON 074104 LICENSED PROFESSIONAL ENGINEER

| # | Date | Description |
|---|---|---|
| 1 | 06.05.20 | REVISED PER CITY COMMENTS |
| 2 | 07.10.20 | PLANNING BOARD RE-SUBMISSION |
| 3 | 11.03.20 | PLANNING BOARD RE-SUBMISSION |
| 4 | 01.05.21 | RESPONSE TO CONSULTANT COMMENTS |
| 5 | 03.02.21 | RESPONSE TO CONSULTANT COMMENTS |

Revisions

LRC GROUP
- Land Planning
- Civil Engineering
- Environmental Services
- Land Surveying
- Landscape Architecture

85 Civic Center Plaza, Suite 103
Poughkeepsie NY 12601
Tel: 845.243.2880

160 West Street, Suite E
Cromwell, CT 06416
Tel: 860.635.2877

1 International Blvd, Suite 400
Mahwah, NJ 07495
Tel: 908.603.5730

www.lrcconsult.com

LRC Engineering & Surveying, DPC
LRC Engineering & Surveying, LLC
LRC Environmental Services, Inc.

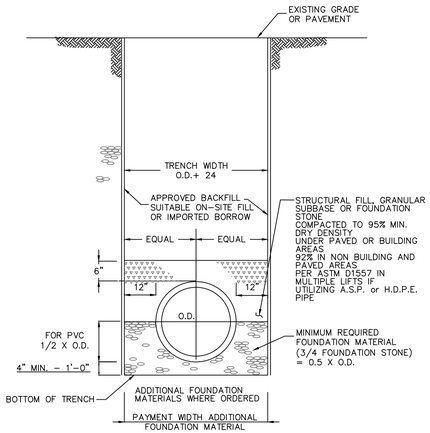
# WATER / SEWER DETAILS

## WALLACE CAMPUS MANAGER, LLC

WALLACE CAMPUS
CITY OF POUGHKEEPSIE,
DUTCHESS COUNTY, NEW YORK

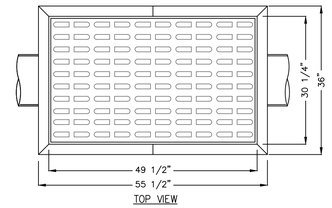
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| Design/Calcs | LRC | CAD File | DN20254802.dwg | Sheet No. |
| Drawn | SMC | Project No. | 20-2548 | DN-2 |
| Checked | KFC | Date | 2020.04.10 | |
| Approved | REM | Scale | NOTED | |

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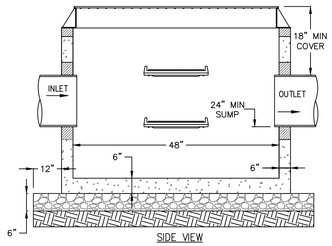



## TYPICAL STORM SEWER TRENCH SECTION

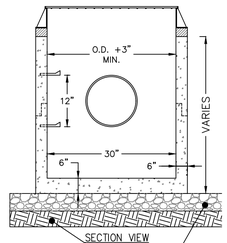
NOT TO SCALE




TOP VIEW




SIDE VIEW




SECTION VIEW

COMPACTED 3/4" CRUSHED STONE PLACED
ON COMPACTED STABLE SUBGRADE
APPROVED BY THE CERTIFYING ENGINEER)

## CURB LESS TYPE CATCH BASIN

NOT TO SCALE

NOTES:

1. PRECAST CONCRETE CATCH BASIN SECTIONS AS MANUFACTURED BY FORT MILLER OR APPROVED EQUAL.

2.CATCH BASIN SHALL BE PRECAST CONCRETE. DESIGNED FOR H20 VEHICULAR LOADING AND 25% IMPACT.

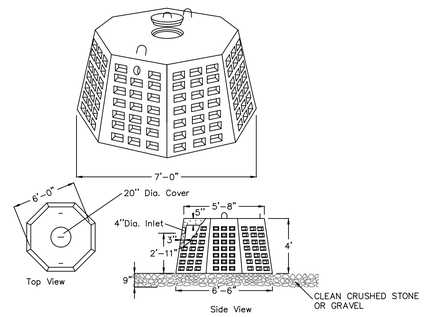
3.FRAME AND COVER SHALL BE DESIGNED FOR H20 VEHICULAR LOADING AND 25% IMPACT. FRAME TO BE GENERAL FOUNDRIES, INC. MODEL #23408 OR APPROVED EQUAL

4.CONCRETE CATCH BASIN CASTING CLEAR OPENING DIMENSION MUST MATCH FRAME AND GRATE CLEAR OPENING DIMENSION.

5.CATCH BASINS HAVING A DEPTH GREATER THAN 48" FROM FINISHED SURFACE TO THE TOP OF THE CONCRETE BASE SHALL BE PROVIDED WITH STEPS.

6.BACKFILL USING TRENCH BACKFILL, COMPACTED IN 6" LIFTS.

7.SUMPS FOR CATCH BASINS SHALL BE 24".

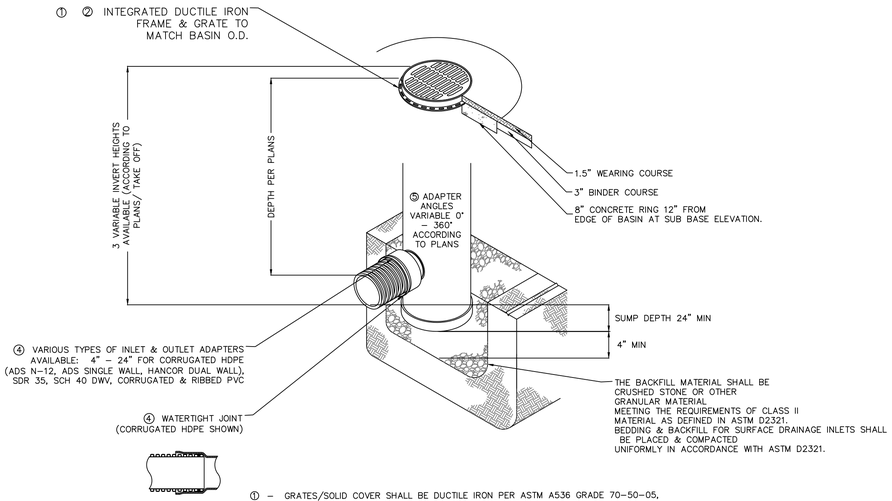



| SPECIFICATIONS | PRECAST DRY WELLS MODEL DW-4 (B) 630 GALLONS |
|---|---|
| Concrete Minimum Strength: 4,000 psi at 28 days<br>Reinforcement: #3 Rebar<br>Air Entrainment: 5%<br>Capacity: 630 gallons Weight = 3600 lbs<br>Sidewall Area: 60 square feet<br>Load Rating: 300 psf (H20 loading on request) | Woodard's Concrete Products, Inc.<br>629 Isbell Road, Bulrville, KY 10915<br>(845) 361-3471 / Fax 361-1050 |

## PRECAST DRYWELL DETAIL

NOT TO SCALE

(DETAIL PROVIDED BY WOODARDS)




① - GRATES/SOLID COVER SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05,
② - FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05
③ - DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS. RISERS ARE NEEDED FOR BASINS OVER 84" DUE TO SHIPPING RESTRICTIONS. SEE DRAWING NO. 7001-110-065
④ - DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS & HANCOR DUAL WALL) & SDR 35 PVC
⑤ - ADAPTERS CAN BE MOUNTED ON ANY ANGLE 0° TO 360°. TO DETERMINE MINIMUM ANGLE BETWEEN ADAPTERS SEE DRAWING NO. 7001-110-013.

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| | | | |
|---|---|---|---|
| DRAWN BY EBC<br>DATE 4-3-06 | MATERIAL | Nyloplast | 3130 VERONA AVE<br>BUFORD, GA 30518<br>PHN (770) 932-2443<br>FAX (770) 932-2490<br>www.nyloplast-us.com |
| APPD BY CJA<br>DATE 4-3-06 | PROJECT NO./NAME<br>SHEET 1 OF 1 | TITLE<br>24 IN DRAIN BASIN QUICK SPEC INSTALLATION DETAIL | |
| DWG SIZE A | | DWG NO. 7001-110-192 REV B | |

## NYLOPLAST 24" DRAIN BASIN:

NOT TO SCALE




| # | Date | Description |
|---|---|---|
| 1 | 06.05.20 | REVISED PER CITY COMMENTS |
| 2 | 07.10.20 | PLANNING BOARD RE-SUBMISSION |
| 3 | 11.03.20 | PLANNING BOARD RE-SUBMISSION |
| 4 | 01.05.21 | RESPONSE TO CONSULTANT COMMENTS |
| 5 | 03.02.21 | RESPONSE TO CONSULTANT COMMENTS |

Revisions

LRC GROUP
• Land Planning
• Civil Engineering
• Environmental Services
• Land Surveying
• Landscape Architecture
85 Civic Center Plaza, Suite 103
Poughkeepsie NY 12601
Tel: 845.243.2880
160 West Street, Suite E
Cromwell, CT 06416
Tel: 860.635.2877
1 International Blvd, Suite 400
Mahwah, NJ 07495
Tel: 908.603.5730
www.lrcconsult.com
LRC Engineering & Surveying, DPC
LRC Engineering & Surveying, LLC
LRC Environmental Services, Inc.

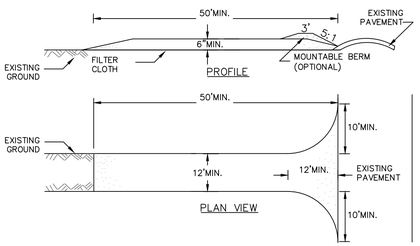
# STORMWATER DETAILS

## WALLACE CAMPUS MANAGER, LLC

WALLACE CAMPUS
CITY OF POUGHKEEPSIE,
DUTCHESS COUNTY, NEW YORK

| | | | | |
|---|---|---|---|---|
| Design/Calcs | LRC | CAD File | DN20254803.dwg | Sheet No. |
| Drawn | SMC | Project No. | 20-2548 | DN-3 |
| Checked | KFC | Date | 2020.04.10 | |
| Approved | REM | Scale | NOTED | |

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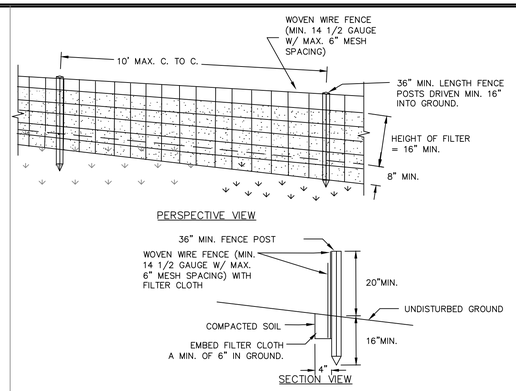



## CONSTRUCTION SPECIFICATIONS

1. STONE SIZE – USE 3"–4" ANGULAR STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH – NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
3. THICKNESS – NOT LESS THAN SIX (6) INCHES.
4. WIDTH – TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY–FOUR (24) FOOT IF SINGLE ENTRANCE TO SITE.
5. FILTER CLOTH – WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
6. SURFACE WATER – ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE – THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS–OF–WAY, ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACTED ONTO PUBLIC RIGHTS–OF–WAY MUST BE REMOVED IMMEDIATELY.
8. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON A AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

U.S. DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE

**STABILIZED CONSTRUCTION ENTRANCE**

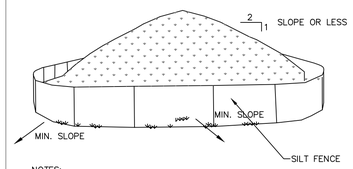



## CONSTRUCTION SPECIFICATIONS

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "T" OR "U" TYPE OR HARDWOOD.
2. FILTER CLOTH TO BE TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 12 1/2 GAUGE, 6" MAXIMUM MESH OPENING.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUIVALENT.
4. PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUIVALENT.
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

U.S. DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE

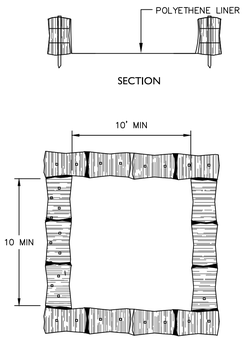
**SILT FENCE**




NOTES:

1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 1V:2H.
3. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH SILT FENCING, THEN STABILIZED WITH VEGETATION OR COVERED.
4. SEE SPECIFICATIONS FOR INSTALLATION OF SILT FENCE.
5. HAYBALES OR SILT SOCKS TO BE USED WHERE STOCKPILES ARE LOCATED ON PAVED AREAS.

MATERIALS STOCKPILE
NOT TO SCALE

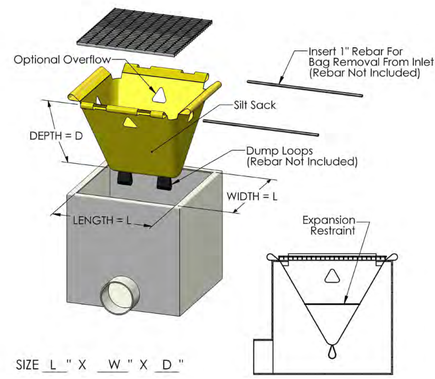



NOTES:

1. CONCRETE WASHOUT SIGN TO BE INSTALLED WITHIN 30 FEET OF THE TEMPORARY CONCRETE WASHOUT FACILITY.
2. REMOVE HARDENED CONCRETE WHEN WITHIN 4" FROM TOP OF STRUCTURE.
3. CONSTRUCT NEW FACILITIES ONCE CURRENT FACILITIES ARE TWO–THIRDS FULL. IF CONCRETE HAS NOT HARDENED CONSTRUCT NEW FACILITIES ONCE CURRENT FACILITY IS TWO–THIRDS FULL.
4. LINERS, HAYBALES, ET.C SHALL BE INSPECTED FOR DAMAGE. ANY DAMAGE SHALL BE REPAIRED PROMPTLY.
5. SEPARATE FACILITIES TO BE USED FOR VEHICLE WASHING IF NEEDED.
6. NO CONCRETE IS TO BE WASHOUT OUT ON THE GROUND IN ANY LOCATION.

ABOVE GROUND TEMPORARY CONCRETE/VEHICLE WASHOUT FACILITY
NOT TO SCALE

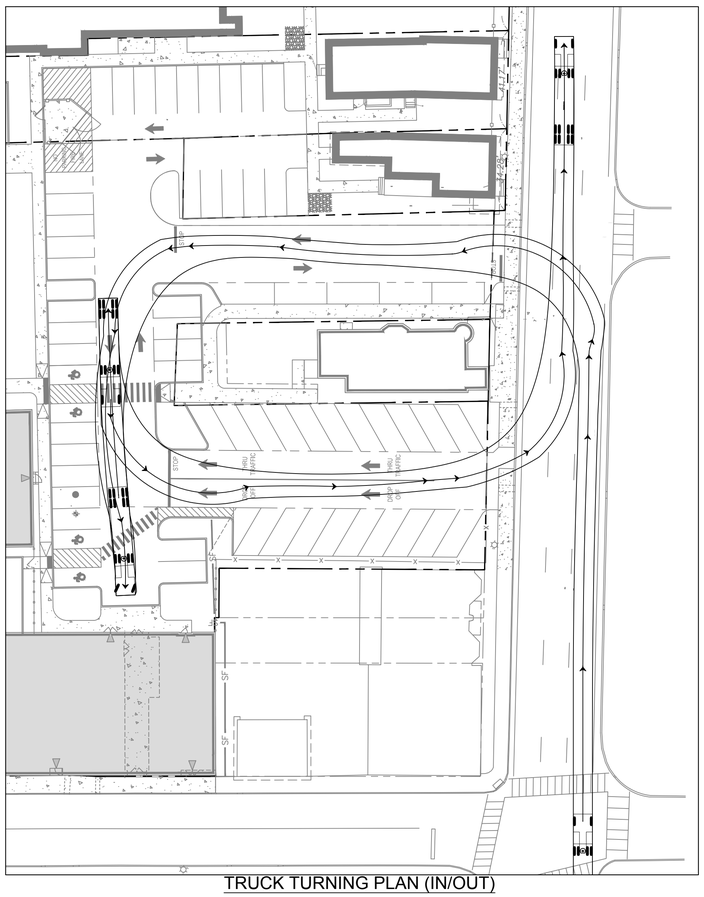
## Silt Sack - Type A



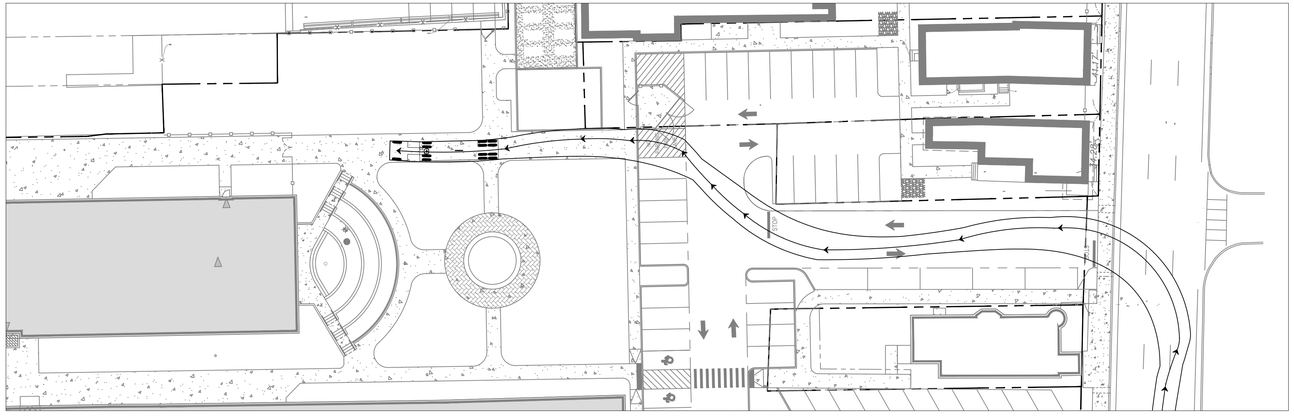

SIZE L " X W " X D "

SILT SACK DETAIL (CURBLESS CB)
NOT TO SCALE

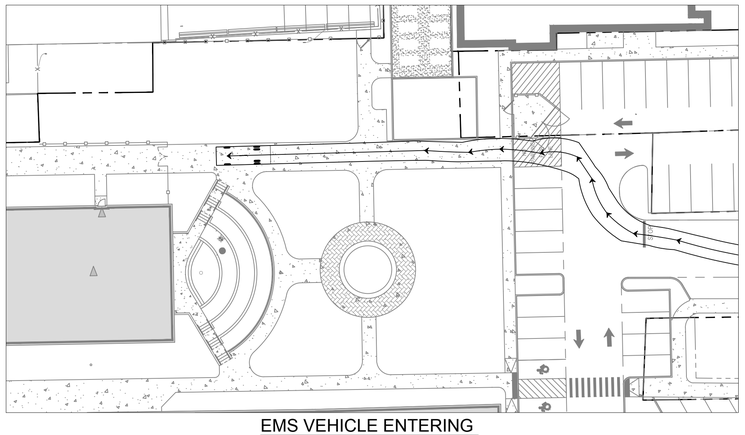

2831 Cardwell Road
Richmond, VA 23234
WWW.ACFENVIRONMENTAL.COM


TRUCK TURNING PLAN (IN/OUT)
*Scale: 1"=30'*




TRUCK TURNING PLAN
*Scale: 1"=30'*



EMS VEHICLE ENTERING
*Scale: 1"=30'*




| No. | Date | Description |
|---|---|---|
| 1 | 06.05.20 | REVISED PER CITY COMMENTS |
| 2 | 07.10.20 | PLANNING BOARD RE–SUBMISSION |
| 3 | 11.03.20 | PLANNING BOARD RE–SUBMISSION |
| 4 | 01.05.21 | RESPONSE TO CONSULTANT COMMENTS |
| 5 | 03.02.21 | RESPONSE TO CONSULTANT COMMENTS |

Revisions


LRC GROUP
- Land Planning
- Civil Engineering
- Environmental Services
- Land Surveying
- Landscape Architecture

85 Civic Center Plaza, Suite 103
Poughkeepsie NY 12601
Tel: 845.243.2880

160 West Street, Suite E
Cromwell, CT 06416
Tel: 860.635.2877

1 International Blvd, Suite 400
Mahwah, NJ 07495
Tel: 908.603.5730

www.lrcconsult.com
LRC Engineering & Surveying, DPC
LRC Engineering & Surveying, LLC
LRC Environmental Services, Inc.


# EROSION CONTROL DETAILS

## WALLACE CAMPUS MANAGER, LLC

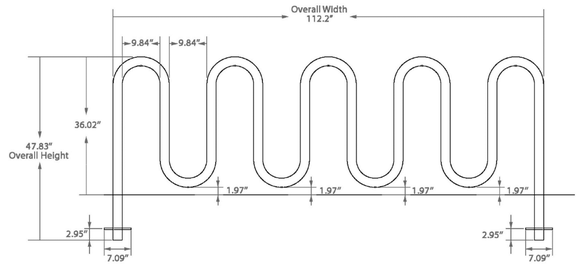
WALLACE CAMPUS
CITY OF POUGHKEEPSIE,
DUTCHESS COUNTY, NEW YORK

| | | | |
|---|---|---|---|
| Design/Calcs | LRC | CAD File | DN20254804.dwg |
| Drawn | SMC | Project No. | 20–2548 |
| Checked | KFC | Date | 2020.04.10 |
| Approved | REM | Scale | NOTED |

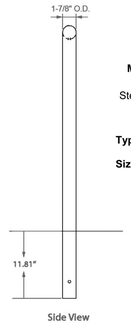
Sheet No. **DN-4**


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## Park-It 11 Bike Rack, Inground




Front View



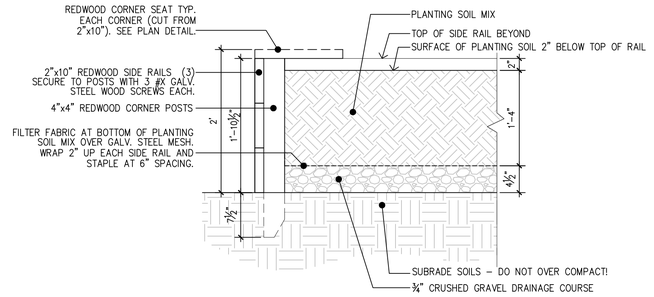

Side View

| Material | Finish | Dimensions | Weight |
|---|---|---|---|
| Steel tubing | Powder coated black | 112.2" w x 47.83" h<br>Above ground: 112.2" w x 36.02" h | 79 lbs. |

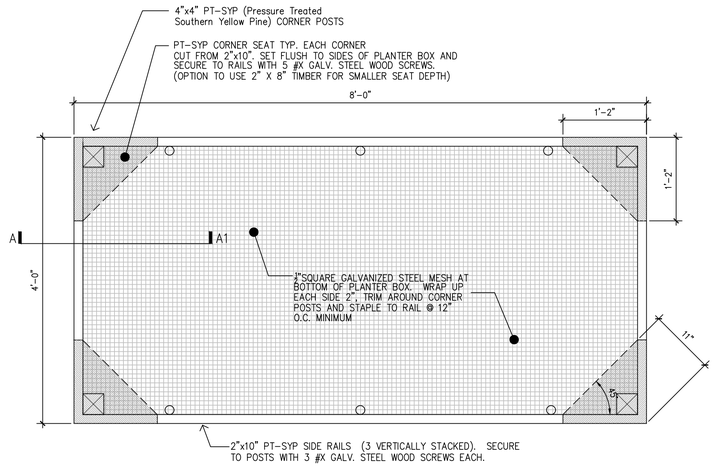
**Type of Mount:** Inground mount

**Size of Tubing:** 1-7/8" O.D. x 11-gauge

# TYPICAL BICYCLE RACK
(5 & 9 Capacity Racks Similar)

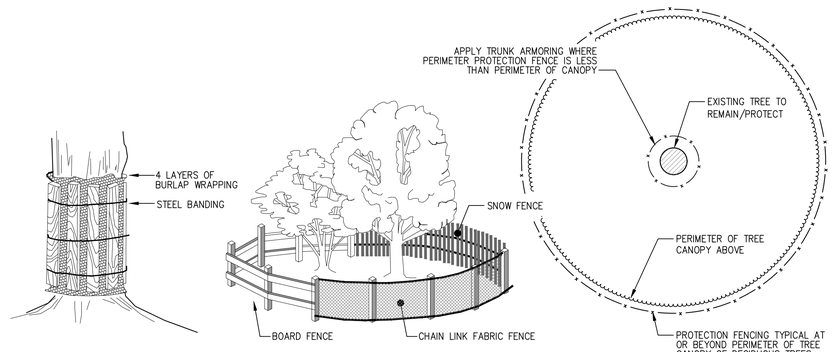



SECTION A–A1




PLAN VIEW

## RAISED WOOD PLANTER
Scale: 1" = 1'-0"




TREE ARMORING

CONSTRUCTION AREA WHERE PAVED SURFACES MAKE IT IMPRACTICAL TO ESTABLISH TREE PROTECTION ZONE.

FENCING AT TREE PROTECTION ZONES

INSTALL ONE OF THE FENCE TYPES (MIN. FENCE HT. 42") NOTED ABOVE UNLESS SPECIFICALLY INDICATED ON PLANS. MAY BE INSTALLED CONTINOUSLY AROUND GROUPS OF TREES TO REMAIN.

## TREE PROTECTION
NOT TO SCALE

STATE OF NEW YORK · RODNEY E. MORRISON · 21443 · LICENSED PROFESSIONAL ENGINEER

| | Date | Description |
|---|---|---|
| 1 | 06.05.20 | REVISED PER CITY COMMENTS |
| 2 | 07.10.20 | PLANNING BOARD RE-SUBMISSION |
| 3 | 11.03.20 | PLANNING BOARD RE-SUBMISSION |
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Revisions


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- Land Planning
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Mahwah, NJ 07495
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www.lrcconsult.com

LRC Engineering & Surveying, DPC
LRC Engineering & Surveying, LLC
LRC Environmental Services, Inc.


# AMENITIES DETAILS

## WALLACE CAMPUS MANAGER, LLC

WALLACE CAMPUS
CITY OF POUGHKEEPSIE,
DUTCHESS COUNTY, NEW YORK

| | | | |
|---|---|---|---|
| Design/Calcs | LRC | CAD File | DN20254805.dwg |
| Drawn | SMC | Project No. | 20–2548 |
| Checked | KFC | Date | 2020.04.10 |
| Approved | REM | Scale | NOTED |

Sheet No. **DN-5**

X:\Jobs\Jobs 2020\20-2548-Uptown Green-Wallace Campus-Poughkeepsie\DWG\DN20254805.dwg 2/26/2021 9:36 AM Kcassmento

# *Attachment G*

# *Historic Inventory by Street*

| | A | B | C | D | E | F | G |
|---|---|---|---|---|---|---|---|
| 1 | **Street** | **St. #** | **1977 photo** | **1977 Status** | **2019 photo** | **2019 Status** | **Ward** |
| 898 | Main | 328-330 |  | | | | 2 |
| 899 | Main | 331-335 |  | | | | 1 |
| 900 | Main | 33-35 |  | | | | 1 |
| 901 | Main | 337-339 |  | | | | 1 |

Pink=Local Register
Lilac=Natl & State Register
Gold=State Register
Orange=Eligible

Black=Exceptional;Protect
Blue=Excellent;Protect
Green=Good; Monitor
Purple=Listed pre-1977
Dark Red=Demo during survey

Red=Demolished
Yellow=Altered

| | A | B | C | D | E | F | G |
|---|---|---|---|---|---|---|---|
| 1 | **Street** | **St. #** | **1977 photo** | **1977 Status** | **2019 photo** | **2019 Status** | **Ward** |
| 902 | Main | 341-345 |  | | | | 1 |
| 903 | Main | 364-368 |  | | | | 6 |
| 904 | Main | 375-377 |  | | | | 6 |
| 905 | Main | 392-394 |  | | | | 6 |

Pink=Local Register
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Green=Good; Monitor
Purple=Listed pre-1977
Dark Red=Demo during survey

Red=Demolished
Yellow=Altered

| | A | B | C | D | E | F | G |
|---|---|---|---|---|---|---|---|
| 1 | **Street** | **St. #** | **1977 photo** | **1977 Status** | **2019 photo** | **2019 Status** | **Ward** |
| 1066 | Mill | 289 |  | | | | 3 |
| 1067 | Mill | 291 |  | | | | 3 |
| 1068 | Mill | 297 |  | | | | 3 |
| 1069 | Mill | 302 |  | | | | 1 |

Pink=Local Register
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Yellow=Altered

| | A | B | C | D | E | F | G |
|---|---|---|---|---|---|---|---|
| 1 | **Street** | **St. #** | **1977 photo** | **1977 Status** | **2019 photo** | **2019 Status** | **Ward** |
| 1070 | Mill | 304 |  | | | | 1 |
| 1071 | Mill | 306 |  | | | | 1 |
| 1072 | Mill | 310 |  | | | | 1 |
| 1073 | Mill | 320 |  | | | | 1 |

Pink=Local Register
Lilac=Natl & State Register
Gold=State Register
Orange=Eligible

Black=Exceptional;Protect
Blue=Excellent;Protect
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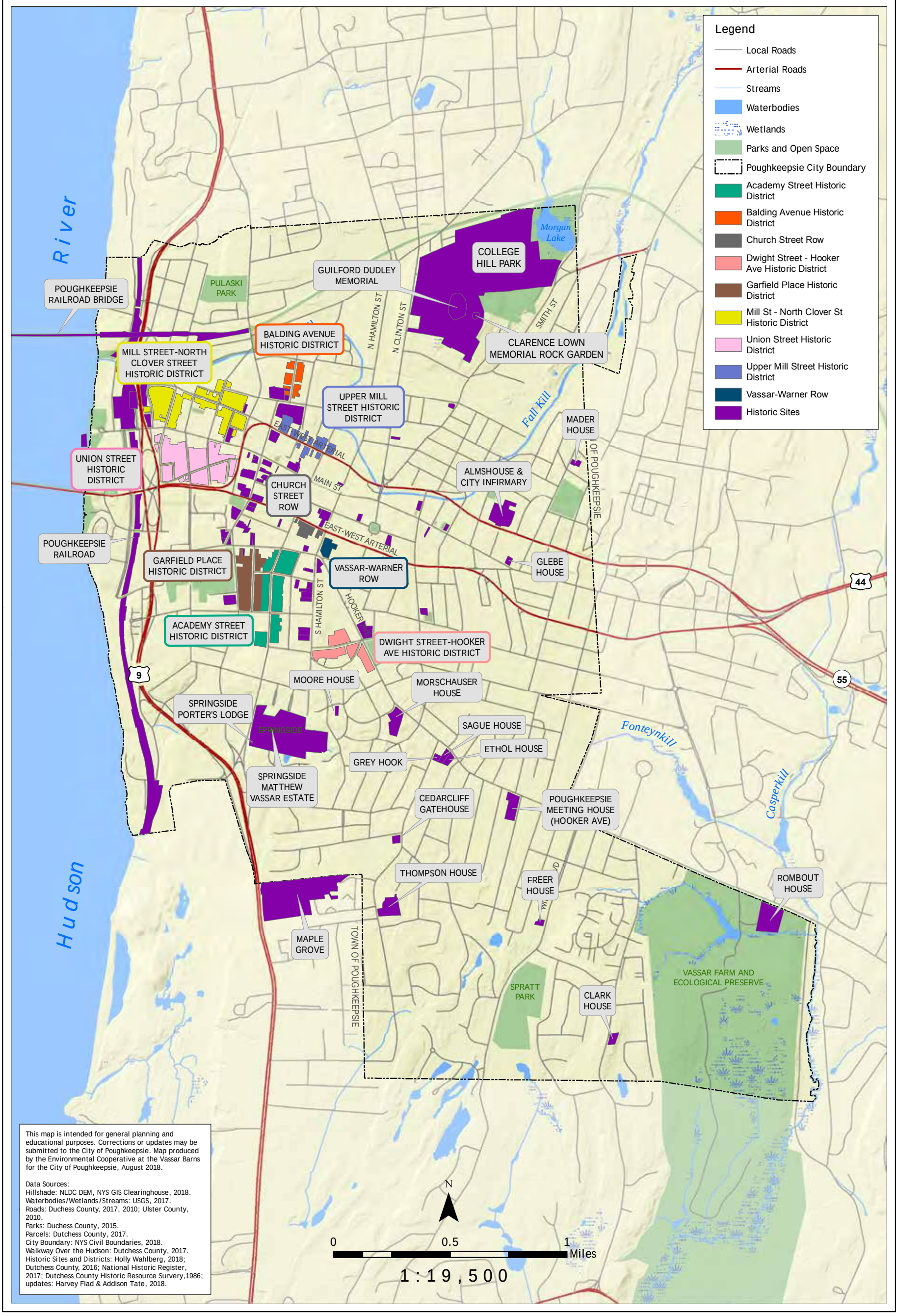
# *Attachment H*

# *Map of Historic Districts*

**Map 7.2** Historic sites and districts throughout the entire City of Poughkeepsie

# Historic Resources

## City of Poughkeepsie, New York




This map is intended for general planning and educational purposes. Corrections or updates may be submitted to the City of Poughkeepsie. Map produced by the Environmental Cooperative at the Vassar Barns for the City of Poughkeepsie, August 2018.

Data Sources:
Hillshade: NLDC DEM, NYS GIS Clearinghouse, 2018.
Waterbodies/Wetlands/Streams: USGS, 2017.
Roads: Duchess County, 2017, 2010; Ulster County, 2010.
Parks: Duchess County, 2015.
Parcels: Dutchess County, 2017.
City Boundary: NYS Civil Boundaries, 2018.
Walkway Over the Hudson: Dutchess County, 2017.
Historic Sites and Districts: Holly Wahlberg, 2018; Dutchess County, 2016; National Historic Register, 2017; Dutchess County Historic Resource Survery,1986; updates: Harvey Flad & Addison Tate, 2018.

SLCE Architects, LLP

September 28, 2021

Natalie Quinn, Planning Director
City of Poughkeepsie Planning Board
62 Civic Center Plaza, 3rd Floor
Poughkeepsie, NY 12601

1359 Broadway
New York, NY 10018
212 979 8400 telephone
212 979 8387 telefax
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info@slcearch.com

*Saky Yakas, AIA*
*James S. Davidson, AIA*
*Luigi Russo, AIA*
*Robert Laudenschlager, AIA*
*Gloria B. Glas, AIA*
*Mario Yao, AIA*
*Paul Albano, AIA*

Re: Wallace Campus: 9/28/21 Reduced Size Plan/PID Building Standards

Dear Ms. Quinn:

Included in the Applicant's submission today is the SLCE Architectural Drawing Set. This plan set illustrates compliance with the PID building design standards. Additionally, this letter briefly summarizes compliance with those standards.

PID Building Design Standards: 19-3.37 (10):

(a) FRONT FAÇADE TRANSPARENCY REQUIREMENTS:

1. There is no mirrored, reflective or darkly tinted glass. Glass used in the three buildings to be transparent low-e, double pane argon filled insulated glass. See Z-001 for extent of glass.

2. No security grills are proposed at any of the buildings.

3. No curtains, blinds, or posters are proposed at the ground floor for any of the buildings. See Z-001 for transparency percentages.

(b) FRONTAGES: SLCE has chosen a Shopfront Type C Frontage Type for all three buildings. See sheets A-200A thru A-200E

(c) DESIGN AND ARCHITECTURE:

1. Entrance Orientation: All 3 buildings have main entrance or entrances on the front façade. Maximum distance between entrances is attained. See Site Plan SP-1

2. Shopfront entrance orientation: Principal pedestrian entrances for all 3 buildings are directly connected to the sidewalk. Principal entrances to shopfronts are highlighted with architectural features.

3. Historic rehabilitation: SLCE Architects engaged in substantial research to assure that their proposed new construction reflects the traditional

architecture of Main Street in building and roof forms, window proportions, materials, colors and details.

With our site in the heart of the historic core, our proposal seeks to take its cues from the existing and historical fabric of Main Street, creating a gateway which reinforces the pedestrian connection from Main Street to Mill Street, near its intersection with Conklin, and passing through a new greenspace (Wallace Green) centrally located on the proposed campus. This new pedestrian connection is designed to be similar in scale to the pedestrian connection between Main Street and Mill Street via Garden St. further west on Main Street.

The existing urban fabric on Main Street is characterized by a finer grain of buildings interrupted by medium and larger scale lots, with our site spanning between the medium scale of the existing Wallace building and the finer grain of main mall row. Our proposal for Main Street mediates between the large scale and stoic quality of the existing Wallace and Luckey Platt buildings and the refined ornament and articulation of the buildings on Main Mall Row.

We were particularly interested in the Cast Iron Building - the way it turns the corner from Main Street to Garden St. by continuing the Main St. façade material and terminating at a setback, giving the effect of a thickened façade, as well as division of the facade into a clear base, middle, & top w/ a highly articulated cornice.

In the historical images of the Wallace building and Windsor hotel, a few things struck us. One was the way the canopy at the storefront level really begins to help activate the street level. We also found the rhythmic structure of the Windsor hotel piers successful at creating continuity along the storefront edge as it turns the corner from Catharine to Main Street. And in the Morgan house hotel photo where the canopies and window shades create a remarkable streetscape.

In Plan, the Main Street building forms a tee pushed to the western edge of the site. At the connection of the tee SLCE introduced a recess in the plan to visually separate the building into two volumes, and allow the stem of the tee to realign with the kink in the Wallace Building and prevent the path from narrowing toward the park while the volume on Main Street remains parallel to Main. It also provides a clear termination to the commercial spaces which wrap into the pedestrian walkway encouraging the pedestrian connection and shortening the perceived distance to the park. The façade is predominately brick with cast stone accents, a precast base, and precast cornice. The windows run in a regular grid with deep returns and articulation of the brick achieved through corbeling. The windows terminate with arched openings at the upper floor to accentuate the building top, similar to the historical buildings on Main Street.

The precast base is conceived as a series of structural piers continuing the rhythm of the Windsor hotel. Between the piers are inserted metal panel canopies and aluminum storefronts, defining the pedestrian edge. We are also introducing ornamental relief to the precast base inspired by the pressed tin ceilings of the existing Wallace building.

The Main street building cornice mimics the depth and section profile of the Cast Iron Building Cornice, while following the stepped silhouette of 311 Main Street. This gives the façade a proportion that is more in keeping with the proportions of the historical buildings on Main Street.

Our design for the Catharine Street building is intended to complement the Wallace building extension facing Catharine Street. The building is divided into three zones with precast structural piers and aluminum storefront along the base, a center zone of brick (taking its material cue from the existing Wallace building extension), ornamental precast, and articulated cornice. The upper zone is conceived as an enlarged cornice with a change to white brick and inserting a spandrel panel and accent mullion, unifying the openings. SLCE is using the same spandrel treatment at the 4th floor and ornamental precast at the remaining slab edges to give a hierarchy of scales to the façade. The remaining windows are separated by a small brick pier which is mirrored around each of the structural columns. These small piers add a secondary rhythm to the façade while keeping the windows proportional to the openings found in the historical district. The ground floor incorporates canopies and the structural piers to open and activate the street level.

4. Blank walls: No visible façade of any of the buildings is blank. We have paid particular attention to the sides of the buildings that face the Wallace Green Walkway and the Green. These are also important facades that frame the view from Mill Street, which will form an important entrance to the side for both vehicles and pedestrians. See building elevations.

5. Façade articulation: Facades along all three buildings are broken up with divisions in materials, separate entrances and windows. Awnings are also used. Building articulation continues to wrap around the corners of Main Street and Wallace buildings to invite patrons and visitors into the pedestrian mid-block connector and provide access to residential entrances. The façade of the Catharine Street building has multiple doors and window treatments. See elevations.

6. Awnings: Awnings for the three buildings are to be Aluminum Composite Panels over a recessed entry and extend 3’-4’ beyond the building face. Scale drawings are provided to show height. See A-200A through A-200E.

7. Roofs: All roofs have been designed to conceal mechanical equipment. See detailed elevations and roof plans in the March 2021 submission set, and

accompanying diagrams demonstrating that neither rooftop bulkheads nor rooftop mechanicals will be visible from the street or adjoining properties. Mechanicals will be low in height and will be totally screened. Attached diagrams show limited hatched area within which mechanicals can be located (A-104A Main Street Bldg.; A-103B Catharine Street Bldg.; A104C Wallace Bldg) and showing that the mechanicals as so screened will not be visible from the street or adjacent properties. (Z-002)

Main St Building – The roof will be a high albedo built-up roof system. Proposed elevator/stair and boiler room bulkheads for the building are located within the section of the building that is located within the PID-UV zoning sub-district. These cover 1,563 sf (11.6%) of the horizontal area of the roof and are set-back from Main Street 42'-8" from the face of the building (see A-104A). Mechanical equipment on the roof, required for the proposed residential units, will be limited to placement within the hatched area shown on A-103C. The overall height of the mechanical units, including any concrete pad or dunnage required for support, will be @ 5'-6" max., and will be screened using a 6'-0" high perforated metal screen, as depicted in the attached drawings. Please see the sightline analysis (drawing 1&3 on Z-002) demonstrating that both the mechanical equipment and screen will not be visible from adjacent properties and streets.

Catharine Street Building - The roof will be a high albedo built-up roof system. The roof plan of the Catherine Street building shows proposed elevator/stair and boiler room bulkheads which cover 1,636 sf (17%) of the horizontal area of the roof and sit 30'-8" from Catharine Street, and from the face of the building (see A-103B). Mechanical equipment on the roof required for the proposed residential units, will be limited to placement within the hatched area shown on A-103C. The overall height of the mechanical units, including any concrete pad or dunnage required for support, will be @ 5'-6" max., and will be screened using a 6'-0" high perforated metal screen, as depicted in the attached drawings. Please see the sightline analysis (drawing 2 on Z-002) demonstrating that both the mechanical equipment and screen will not be visible from view from adjacent properties and streets.

Wallace Building – The existing roof of the Wallace building will be replaced and repaired to match the existing roof as required. No new additions to the roof are proposed. Any mechanical equipment on the roof required for the proposed residential units and to be placed on the roof of either the Wallace building or the Wallace building extension, will be limited to within the hatched area shown on Drawing A-103C. The overall height of the mechanical units , including any concrete pad or dunnage required for support, will be @ 5'-6" maximum, and will be screened using a 6'-0" high perforated metal screen, as depicted in the attached drawings. Please

see the sightline analysis (drawings 1 & 5 on Z-002) demonstrating that both the mechanical equipment and screen will not be visible from adjacent properties and streets.

8. Screening: Roof Screening will be a perforated metal screen finished to match the metal of the window frames of the buildings. Mechanical equipment will be located away from the edge of the buildings to further shield from view. See drawings referred to in previous section.

   As noted, the submitted drawings support the compliance of our buildings. We are happy to discuss any questions you may have in this regard.

Very truly yours,

SLCE Architects

400 Columbus Avenue
Suite 180E
Valhalla New York 10595
Main: 877 627 3772
colliersengineering.com

Colliers
Engineering
& Design

September 28, 2021

Natalie Quinn, Planning Director
City of Poughkeepsie
62 Civic Center Plaza, 2nd Floor
Poughkeepsie, NY 12601

Wallace Campus Development City of Poughkeepsie, Dutchess County, New York
Colliers Engineering & Design Project No. 20003474A

Dear Natalie,

Colliers Engineer & Design (formerly Maser Consulting) has conducted a review of the reduced size proposed development plan for the Wallace Campus Development ("the Reduced Size Project") as it relates to the potential traffic and parking impacts of the Project. The prior development plan ("7-Story/Daycare Project"), which was previously analyzed in our February 27, 2021 letter report, was formerly proposed to consist of 214 mixed income affordable housing units, a 10,197 sq. ft. daycare facility, an approximately 29,000 sq. ft. community fitness center/climbing gym, 6,416 sq. ft of retail/commercial space and an approximately 1-acre privately owned, but publicly accessible green space ("Wallace Green").

The Reduced Size Project is now proposed to consist of 187 mixed income affordable housing units, 14,235 sq. ft. of retail/commercial space along with the Wallace Green. The fitness center/climbing gym and daycare facility are no longer part of the development.

The Reduced Size Project also includes changes to the onsite parking and circulation patterns resulting from the elimination of the previously proposed daycare facility and the associated drop-off/pick-up areas. A total of 63 parking spaces are proposed under this modified development plan as compared to the 62 parking spaces under the previously proposed plan.

The following provides a detailed discussion of the potential traffic and parking impacts of the Project based on this modified development plan as well as a comparison to the previously proposed development plan where appropriate.

## Reduced Size Project Parking Demand

As previously identified in our February 27, 2021 letter report, the Project falls within the Poughkeepsie Innovation District Historic Core (PID-HC) and Urban Village (PID-UV) zones. The City of Poughkeepsie Zoning Code (Section 19-3.37.(13)) identifies the minimum parking requirements for the proposed uses within the development. These parking requirements and the total number of required parking spaces for the Reduced Size Project are identified in the Table No. 1 below.

### Table No. 1 – Code Required Parking Summary – Reduced Size Project

| Building | Proposed Use | Size | Zone | Code Required Parking Ratio | Required Spaces |
|---|---|---|---|---|---|
| Main Street Building | Residential (69 Units Total) | 17 Units | PID-HC | 0 Spaces/Unit | 0 |
| | | 52 Units | PID-UV | 0.5 Spaces/Unit | 26 |
| | | | | 1 Visitor Space/10 Units | 6 |
| | Retail | 3,331 Sq. Ft. | PID-UV | 0 Spaces/ Sq. Ft. | 0 |
| Catharine Street Building | Residential | 49 Units | PID-HC | 0 Spaces/Unit | 0 |
| | Retail | 3,255 Sq. Ft. | | 0 Spaces/ Sq. Ft. | 0 |
| Wallace Building | Residential | 69 Units | PID-HC | 0 Spaces/Unit | 0 |
| | Retail | 7,649 Sq. Ft. | | 0 Spaces/ Sq. Ft. | 0 |
| | | | | Total | 32 |

As indicated in the table above, per the City Code parking requirements, the Reduced Size Project is required to provide a total of 32 off-street parking spaces. The total of 32 required parking spaces is less than half of the required number of parking spaces under the 7-Story/Daycare Project, which was required to provide approximately 90 total parking spaces prior to accounting for shared parking amongst the uses.

The shared parking accommodations for the 302, 304 & 306 Mill Street parcels, which will be provided 12 dedicated parking spaces, will still remain within the overall Wallace Campus parking lot. Similarly, The Wallace consolidated lot will continue to provide the adjacent Hudson River Housing (HRH) with six (6) reserved parking spaces on the Wallace Property during weekday office hours only (8 AM to 6 PM) for employee and client parking. These spaces would be available to Wallace Campus residents and visitors for parking outside these hours. Together with the 32 spaces required for the Reduced Size Project, the total required parking spaces is 50 spaces during HRH office hours and 44 spaces all other times on Weekdays and all day on Weekends.

As previously indicated, the Site Plan for the Reduced Size Project will provide 63 off-street parking spaces, which will accommodate the total parking requirements of the Wallace Campus, 302, 304 & 306 Mill Street Parcels and the HRH facility. Furthermore, as identified in our February 27, 2021 study, there is also sufficient available on-street parking in the vicinity of the Site to accommodate any potential excess parking demand that may be generated by the Project. It is the intent of the PID zone to leverage this availability of underutilized surplus parking in the PID downtown area for future development.

It should also be noted that the typical use of the Wallace Green is proposed to remain as a passive green space for both residents and visitors. As indicated in our prior study, it is the opinion of Colliers Engineer and Design that this space will not generate any additional parking demand, but rather will draw patrons who are already within the proposed development and immediate surrounding neighborhood to utilize the space.

The Reduced Size Project will also hold occasional Public Performances/Community Gatherings within the Wallace Green & Tiered Seating area. The parking accommodations for these performances/gatherings can be accommodated by available on-street parking in the area of the Site as previously identified in our February 27, 2021 study.

## Reduced Size Project Traffic Generation & Traffic Related Impacts

In order to assess the potential traffic related impacts of the Project, estimates of the amount of traffic to be generated by the modified Wallace Campus development during each of the peak hours (Weekday AM, Weekday PM and Saturday) were developed based on information published by the Institute of Transportation Engineers (ITE) as contained in the report entitled ***Trip Generation***, 10th Edition, 2017, based on Land Use Categories; 223 - Affordable Housing; 411 - Public Park and; 820 - Retail. It should be noted that where applicable ITE data For Dense Multi-Use Urban Locations was referenced to reflect traffic generation rates commensurate with the downtown location of the proposed development.

Table No. 2, below, provides a summary of the traffic generation estimates for the Reduced Size Proejct based on the ITE data. This table also takes similar internal and multi-modal credits as identified in our February 27, 2021 report, which are based on the credits identified in the ***Poughkeepsie Downtown Parking Improvement Plan – Analysis of Further Parking Demand*** prepared by Nelson Nygaard dated April 2018.

Colliers Engineering & Design

## Table No. 2 – Anticipated Site Generated Traffic Volumes for Reduced Size Project

| Time Period | Entry | | | Exit | | |
|---|---|---|---|---|---|---|
| | HTGR[1] | Volume | External Vehicle Trips[2] | HTGR[1] | Volume | External Vehicle Trips[2] |
| **Residential – Affordable Housing (187 Units)** | | | | | | |
| Peak AM Hour | 0.34 | 63 | 29 | 0.14 | 27 | 13 |
| Peak PM Hour | 0.24 | 44 | 21 | 0.14 | 26 | 12 |
| Saturday Peak Hour | 0.24 | 45 | 21 | .24 | 45 | 21 |
| **Commercial Space (14,235 Sq. Ft.)** | | | | | | |
| Peak AM Hour | 1.26 | 18 | 9 | 1.12 | 16 | 8 |
| Peak PM Hour | 2.39 | 34 | 16 | 2.53 | 36 | 17 |
| Saturday Peak Hour | 3.16 | 45 | 21 | 3.16 | 45 | 21 |
| **Public Park (1 Acre)** | | | | | | |
| Peak AM Hour | 1.00 | 1 | 1 | 1.00 | 1 | 1 |
| Peak PM Hour | 6.00 | 6 | 3 | 5.00 | 5 | 3 |
| Saturday Peak Hour | 8.00 | 8 | 4 | 6.00 | 6 | 3 |
| **Total** | | | | | | |
| **Peak AM Hour** | --- | --- | **39** | --- | --- | **22** |
| **Peak PM Hour** | --- | --- | **40** | --- | --- | **32** |
| **Saturday Peak Hour** | --- | --- | **46** | --- | --- | **45** |

Notes:

1. The Hourly Trip Generation Rates (HTGR) are based on data published by the Institute of Transportation Engineers (ITE) as contained in the Trip Generation Handbook, 10th Edition, 2017. ITE Land Use Code - 223 - Affordable Housing, ITE Land Use Code - 411 - Public Park and ITE Land Use Code - 820 - Retail. Note where applicable ITE data for dense multi-use urban locations was referenced.
2. "External Vehicle Trips" include a 30% internal capture trip credit for all land uses as well as a 35% multi-modal trip credit to account for internal trips within the development and between the development and other nearby uses as well as non-personal vehicle trips to the Site. These credits are based on data provided in the Poughkeepsie Downtown Parking Improvement Plan - Analysis of Future Parking Demand prepared by Nelson Nygaard dated April 2018.

Table No. 3 below provides a comparison of the above traffic generation estimates for the Reduced Size Project to the previously proposed 7-Story/Daycare Project. The trip generation estimates for the 7-Story/Daycare Project were identified in Table No. 7 of our February 27, 2021 report.

Colliers Engineering & Design

**Table No. 3 – Traffic Generation Comparison – 7-Story/Daycare Project vs. Reduced Size Project**

| Time Period | 7-Story/Daycare Project | | | Reduced Size Project | | |
|---|---|---|---|---|---|---|
| | Entry Volume | Exit Volume | Total Volume | Entry Volume | Exit Volume | Total Volume |
| Peak AM Hour | 72 | 58 | 130 | 39 | 22 | 61 |
| Peak PM Hour | 71 | 63 | 134 | 40 | 32 | 72 |
| Saturday Peak Hour | 54 | 56 | 110 | 46 | 45 | 91 |

As indicated in the above table, the Reduced Size Project is generally anticipated to generate less traffic than the previously proposed 7-Story/Daycare Project. This is attributable to the reduction in the number of residential units as well as the elimination of the daycare and fitness center/climbing gym uses.

Based on the above traffic generation estimates, the Reduced Size Project is expected to generate less than 100 entering vehicle trips during each of the peak hours analyzed and a portion of these trips are anticipated to be attracted from the existing traffic stream along Mill Street as pass-by and/or diverted link trips. As indicated in our February 27, 2021 report, ITE and NYSDOT guidelines indicate that developments generating less than 100 entering vehicle trips will not result in a significant impact to the surrounding area traffic operations. It should also be noted that no credit has been taken for the existing traffic generation of the existing buildings and/or possible re-occupancies of these spaces.

## Reduced Size Project Site Access and Internal Circulation

The elimination of the proposed Daycare facility from the development plan has allowed for the elimination of the previously proposed drop-off area on the eastern one-way entry driveway. This has also allowed for a reconfiguration of the on-site parking areas to maximize the number of parking spaces provided. As a result of these changes, the driveways have been modified to be a one-way pair, with the western driveway to be one-way entering and the eastern driveway to be one-way exiting. This configuration provides the greatest Site distance for exiting vehicles onto Mill Street. Appropriate “One-Way” and “Do Not Enter” signage should be provided at each of the driveway locations as well as internally at the driveway connections to the internal east-west parking aisle.

## Conclusions

Based on the data discussed herein, it is the opinion of Colliers Engineering & Design that the Reduced Size Project will not have a significant impact on traffic and parking conditions in the vicinity of the Site. It should also be noted that based on the parking calculations identified above the previous request for a waiver to be granted by the Planning Board for excess parking spaces under the waiver with fee-in-lieu provision of the PID Zoning District, section 19-3.37 (13) (e) is no longer required.

It is also noted, as indicated in our February 27, 2021 report, the proposed modifications to the two (2) Site access driveway connections to Mill Street, as well as the closure of the existing driveways to 302, 304 and 306 Mill Street, will require a NYSDOT Highway Work Permit to be obtained prior to implementation of these modifications.

Sincerely,

Colliers Engineering & Design CT, P.C.
(DBA Maser Consulting Engineering & Land Surveying)



Richard D'Andrea, P.E., PTOE
Assistant Department Manager

R:\Projects\2020\20003474A\Correspondence\OUT\210928RGD_Modified Development Plan Traffic & Parking Review.docx

APPLICATION TO THE PLANNING BOARD
CITY OF POUGHKEEPSIE, NEW YORK

# Application for Site Plan, Special Permit & Facade Approval

**I. PROPERTY ADDRESS:** 58 Parker Ave
Tax Lots 148369 & 6162-54-12125385

**II. PROPERTY OWNER:** 1 Civic Center Plaza
**ADDRESS:** Suite 200
Poughkeepsie
NY, 12601 (state and zip code)

**PHONE NUMBER:** 845-473-4440 (include area code)

**III. NAME OF APPLICANT:** Northside Junction, LLC

**ADDRESS:** same

(state and zip code)

**PHONE NUMBER:** same (include area code)

**EMAIL ADDRESS:**

(If applicant is NOT the owner, proof of owner's consent to the application MUST be provided.)

**IV. CONSULTANT:** MASS Design Group

**ADDRESS:** 289 Main Street, Suite 101
Poughkeepsie
NY, 12601 (state and zip code)

**PHONE NUMBER:** 857-233-5788 (include area code)

**V. PROPOSED USE or FAÇADE CHANGE** (Summarize proposed use or uses): Adaptive reuse, Rehabilitation and conversion of a former industrial structure to workspace, landscaping, workshop, and parking

**VI. ZONING DISTRICT:** W-G, G-CM
Walkway-Gateway Overlay District (W-G)
Gateway Commercial Mixed-Use (G-CM)

***(Proceed to XVII for special permit & façade approval only)***

OFFICE USE ONLY

CODE: PLSF

ID #_____

FEE: _____
Total, from:
$500, plus
$_____
($150 per 1000 square feet of floor area), plus
$_____
($35 per number of required parking spaces), plus
$_____
($500 for special permit, if applicable)

## PROJECT INFORMATION

New construction: _____(yes)✓_____ (no)

Change of use:✓_____ (yes) _____ (no)

Expansion/addition:_____ (yes) ✓_____ (no)

Alteration:✓_____ (yes) _____ (no)

Cost of Construction: $17,000,000 +/-_____

**LOT AND BULK INFORMATION**:

Lot area: 3.03 _____ (acres) 131,986.80 _____ (square feet)

Building Footprint: _____ (proposed square feet for new construction)

26,000sf _____ (existing square feet for change of use/expansion)

_____ (additional proposed square feet for expansion)

26,000sf _____ (total building footprint, square feet)

Lot Coverage: 19.6% _____ (percentage, building coverage only)

Gross Floor Area: _____ (proposed square feet for new construction)

44,000 _____ (existing square feet for change of use/expansion)

_____ (additional proposed square feet for expansion)

44,000 _____ (total gross floor area, square feet)

Building Height: 2 _____ (stories) 29 _____ (feet)

Floor Area Ratio: 0.33 _____ (ratio of gross floor area divided by lot area)

## VIII. PROJECT PARKING INFORMATION

A) Number of Off-Street Parking Spaces required: 97 _____

B) Number of Off-Street Parking Spaces provided: 82 _____

C) Waiver Requested: ✓_____ (Yes) _____ (No)

Is municipal parking available within 600 feet? _____ (Yes) ✓_____ (No)

If yes, name all such municipal facilities: _____

_____

_____

(If a waiver is requested based on proximity to municipal facilities, a written request for such waiver, addressed to the City Planning Staff and the Chairman of the Planning Board, must be submitted with the application.)

If a private parking facility is to be utilized, is such facility within 600 feet?

_____ (Yes) _____ (No)

If yes, provide the address of the facility, name of the property owner, number of spaces in the lot, number of spaces available for lease, and length of lease. Attach copy of lease. Additional information may be required by the Planning Board): _____

_____

_____

_____

## IX. RESIDENTIAL PROPOSALS

A) Type of Development: _____
(Townhouse, condominium, multiple residence rental, etc.)

B) Unit Breakdown:

Number of efficiency or "studio" units: _____

Number of one (1) bedroom units: _____

Number of two (2) bedroom unit's _____

Number with three or more bedrooms: _____

Total number of units: _____

C) Is funding public? ____ Yes ____ No

If yes, describe funding source: _____

## X. OFFICE PROPOSALS (____ Medical/Dental ✓___ Professional ____ Business)

A) Number of Employees: 67

B) Number of doctors/dentists/medical practitioners: 0

C) Days/Hours of Operation: 7AM - 7PM

**XI. SERVICE BUSINESS PROPOSALS**

A) Specify Business: _____
(e.g., laundromat, drycleaner, beauty parlor, travel agency, banks)

B) Number of Employees: _____

C) Number of Washing Machines (for laundromat): _____

D) Days/Hours of Operation: _____

**XII. MERCANTILE PROPOSALS** (Retail _____ Wholesale _____)

A) Type of Mercantile (specify): _____

B) Number of Employees: _____

C) Days/Hours of Operation: _____

**XIII. STANDARD RESTAURANT/FAST FOOD RESTAURANT/COFFEE SHOP/DONUT SHOP/NIGHTCLUB/DISCOTHEQUE/BAR PROPOSALS**

A) Specify Use: _____

B) Number of seats (excluding bar stools and outdoor seating):_____

C) Meals served (i.e., breakfast, lunch, dinner): _____

D) Type of Menu: _____

E) Days/Hours of Operation: _____

F) Entertainment (live and/or recorded):_____

G) Will the restaurant contain a bar/lounge?: _____ Yes _____ No

H) If yes, how many seats at the bar? _____

I) Is a drive-through window proposed? _____

J) Is a walk-up window proposed? _____

K) Is an outdoor seating area proposed? _____

L) If yes, how many seats are proposed? _____

M) If yes, is outdoor cooking proposed? _____

**XIV. INDUSTRIAL/COMMERCIAL PROPOSALS** (Automobile repair, taxi, motor vehicle sales, warehouse, manufacturing, animal hospital, research facilities, etc.)

A) Specify Use: _____

B) Number of shifts (if any): _____

C) Number of employees: _____
(If shifts are proposed, list number of employees per shift)

E) Number of work bays (if automobile repair): _____

F) Days/Hours of operation: _____

**XV. EDUCATIONAL/INSTITUTIONAL/RECREATIONAL PROPOSALS** (e.g., Museums, Theatres, Conference Centers, Hotels, Motels, Hospitals, Nursing Homes, Assisted Living Facilities, Nursery Schools, Private Schools, Day Care Centers, Places of Worship, Marinas, Membership Clubs, etc.)

A) Specify: _____

B) Number of shifts (if any): _____

C) Number of employees: _____
(If shifts are proposed, list number of employees per shift)

D) Number of beds (hospitals, nursing homes, etc): _____

E) Number of seats in largest assembly space: _____

F) Number of classrooms (schools): _____

G) Number of rental units (hotels, motels, etc.) _____

H) Number of boat slips/courts (e.g., tennis, handball, etc.), alleys: _____

I) Days/Hours of Operation: _____

**XVI. PROPOSALS NOT MENTIONED ABOVE** (Please be specific):

_____

_____

_____

_____

_____

**XVII. APPLICANT CERTIFICATION**

I, Caroline Alsup _____, certify that the this application has addressed the objectives outlined in the Zoning Ordinance with consideration given to the public health, safety and welfare; the comfort and convenience of the public in general or the residents or users of the proposed development and of the immediate neighborhood.

The applicant certifies that all information contained herein is accurate and complete as of the date of this application.

Caroline M Alsup _____ 8/2/2021 _____

Signature of Applicant Date

SCENIC HUDSON, INC.
One Civic Center Plaza,
Suite 200
Poughkeepsie, NY 12601-3157
Tel: 845 473 4440
Fax: 845 473 2648
ScenicHudson.org

8/3/2021

To:
Natalie Quinn
Planning Director
City of Poughkeepsie

From:
Caroline Alsup
Project Director, Scenic Hudson
Authorized representative for Northside Junction LLC

## COVER LETTER

In 2020, Northside Junction, LLC, an affiliate of Scenic Hudson, acquired the property and has begun transforming it into a sustainable building and landscape. Scenic Hudson envisions rehabilitation of the structures, in particular historic restoration of its exterior, to create workspace for its staff and outdoor public space to meet community needs, potentially including: community gatherings, meetings, events, and educational activities. The architecture firm MASS Design Group, which has worked with Scenic Hudson on other revitalization efforts in downtown Poughkeepsie, is also a partner. Currently, the degraded site is undergoing remediation under New York State's Brownfield Cleanup Program as well as certification on the National Register of Historic Places.

58 Parker Ave. is located adjacent to Walkway Over the Hudson, Dutchess Rail Trail, Fall Kill Creek and the future Urban Trail. The vision is to make it a welcoming space for all Northside residents and visitors to learn, grow, play, and celebrate together. It can also support the city's ongoing efforts to enhance economic opportunity and equality, putting the health and well-being of local residents and the environment at the forefront.

We thank the Director and Planning Board for their consideration of our proposal.

## CONTENTS

- September 21, 2021 Additions / Responses
- August 17, 2021 Responses
- Letter of Support from Linda Cooper, Taconic Region Director for New York State OPRHP
- Statement of Financial Capacity

SCENIC HUDSON, INC.
One Civic Center Plaza,
Suite 200
Poughkeepsie, NY 12601-3157
Tel: 845 473 4440
Fax: 845 473 2648
ScenicHudson.org

# September 21, 2021 Additions / Responses:

**Letter of Support from Linda Cooper, Taconic Region Director for New York State OPRHP**

This cover letter includes a letter of support from from Linda Cooper, Taconic Region Director for New York State OPRHP. As discussed in the meeting, we intend to provide free parking on non-working hours at the north portion of the Scenic Hudson parking areas. This will supplement the already available parking in the area for public use. We have been working closely with the state since the inception of the project and will continue to do so.

**Memorandum requesting parking waiver was added**

As discussed, our project operations will require fewer parking spaces than the count expressed in the code. This memorandum is submitted as supplemental material.

**Façade / Window detail sheets included**

At the request of the planning board, we have included further façade detail drawings in the elevation package, file *58 Parker Ave_4_Elevations_10-4-2021* sheets A7.00 – A7.04.

**Note to Department of Engineering (and Public Works, if applicable):**

Further detail on municipal connections in design:
Since our last submission, as discussed, a utility field survey was performed enabling the civil engineers from Chazen to locate existing offsite structures. This means that while the overall civil design approach has not changed, we are providing further detail on these connection points.

Specifically, these changes are apparent on

- On drawings C1.40 – C1.41: the catch basins, inverts and pipe slopes have been added.
- On drawing C1.60 – C1.61, additional detail of stormwater drainage and sanitary connection points have been added.
- A detail sheet for sanitary sewer was added, sheet C5.41.
- A detail sheet for erosion sediment control was added, sheet C5.50

Further information on proposed crosswalk:
Further, we have provided more information on the proposed crosswalk at Parker Ave.

- Signage for the crosswalk has been added on sheet C1.30
- We have provided a memorandum providing further written description of the proposed crosswalk in the supplemental material.

SWPPP Provided
As required for DEC general permit, we have provided a SWPPP in accordance with DEC guidelines for areas of disturbance exceeding 1 acre, with the city serving as the MS-4. This is included in the supplemental material.

SCENIC HUDSON, INC.
One Civic Center Plaza,
Suite 200
Poughkeepsie, NY 12601-3157
Tel: 845 473 4440
Fax: 845 473 2648
ScenicHudson.org

# August 17, 2021 Responses:

**Note to Department of Engineering and Department of Public Works**

This project calls for the creation of a crosswalk at Parker Ave. It also calls to move a utility pole at the west of the 58 Parker property to allow for a relocated curb cut into the parking area. Please reference the drawings for more detail on these items. We look forward to answering your questions.

**Overall Comment Response for City of Poughkeepsie**

I. **APPLICATION REQUIREMENTS AND GENERAL SITE PLAN INFORMATION**

- Date, north arrow, written graphic scale C1.00

**Response**: A graphic scale has been added to the plan sheet C1.00

II. **EXISTING SITE CONDITIONS**

a. Location, width and purpose of all existing easements, rights-of-way, setbacks, reservations and rears dedicated to public use, outline of existing covenants and deed restrictions within adjacent or otherwise pertaining to the property.

**Response**: Easements (61 Parker) and notes are included in the existing conditions survey maps. SV1 and SV

b. Approximate boundaries of any areas subject to stormwater overflows

**Response**: A letter from FEMA regarding floodplain has been provided under separate cover.

III. **PROPOSED SITE IMPROVEMENTS**

a. Location of any fire alarm boxes and/or connections to the city fire alarm system.

**Response**: The location of the proposed Knox box (fire) is indicated on drawing sheet C1.31

b. A determination of storm water quality requirements based on NYSDEC Phase II requirements. Further, ANY improvements within the Fallkill Creek watershed, which has been declared a 303(d) impaired watershed, require full stormwater treatment as per NYSDEC.

**Response**: A stormwater pollution prevention plan is be prepared in accordance with the NYS DEC SPDES Stormwater General Permit GP-0-020-001

A fence detail was also added to sheet C530 number 24.

NEW YORK STATE OF OPPORTUNITY.
Parks, Recreation and Historic Preservation

**KATHY HOCHUL**
Governor

**ERIK KULLESEID**
Commissioner

September 21, 2021

Poughkeepsie Planning Board
Via email to nquinn@cityofpoughkeepsie.com

Dear Members of the Planning Board:

My name is Linda Cooper, and I am the Regional Director for a four-county region of New York State Parks known as the Taconic Region. The region covers those state parks, trails, and historic sites in Westchester, Putnam Dutchess and Columbia counties. Walkway Over the Hudson is one of our state historic parks in the City of Poughkeepsie.

Tonight, you have before you a proposal regarding 58 Parker Avenue that abuts the Walkway Over the Hudson. I am here representing our agency and region to offer support for that project. We are excited about the reuse and revitalization of this long defunct building and acreage. We anticipate engagement with Scenic Hudson in the neighborhood will only lead to good outcomes with the various rail trails that converge in this area and the linkage they all have to the State's Empire State Trail.

The dirt lot adjacent to the State's pay for parking lot will have parking for Scenic Hudson employees during the day and will be available for the visiting public on evenings and weekends when it is most needed.

We support the request be able to use some that parking area for greenspace to make a more aesthetically pleasing entrance to the area and to the Walkway. State Parks continues to improve the visitor experience to the Walkway, facilitating connections with the Dutchess Rail Trail, Fall Kill and other local assets including the upcoming Urban Trail.

We believe there is adequate parking provided in the State's paid lot along with auxiliary parking at Pulaski Park and street parking on Brookside Avenue. These free parking sites, along with the Orchard Place staircase to the Dutchess Welcome Center, are currently underutilized. State Parks, through continuing work in the area and in partnership with Scenic Hudson, will ensure that all these parking options are understood and better utilized. We appreciate Scenic Hudson making parking available in the evening and weekends for free public use, even if it impacts our own revenue stream.

I am here to support this application before the Planning Board and happy to entertain any questions you may have with respect to impacts on the neighboring State Park.

Thank you.

Sincerely,

*Linda G. Cooper*
Regional Director

July 30, 2021

**Subject: Financial Capacity Letter – 58 Parker Ave, Poughkeepsie, NY**

Northside Junction, LLC has the financial capacity to complete the proposed project at 58 Parker Avenue, Poughkeepsie through support from non-profit affiliate The Scenic Hudson Land Trust, Inc. ("the Land Trust") and anticipated tax credit equity through various NYS and federal programs. In addition, the Land Trust brings to bear its full professional and development expertise along with local partnerships in the City of Poughkeepsie in collaboration with MASS Design Group to ensure a successful project.

Regards,

Jason Camporese (Jul 30, 2021 20:19 EDT)

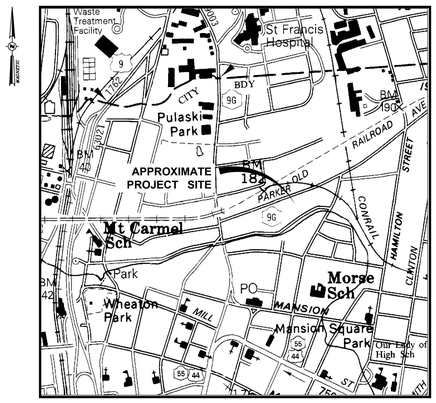
Jason Camporese

*Authorized Individual for Northside Junction, LLC*



## DRAWING LIST

| | | PLANNING BOARD SUBMISSION (08/02/21) | PLANNING BOARD SUBMISSION (09/02/21) | PLANNING BOARD SUBMISSION (10/05/21) |
|---|---|---|---|---|
| G0.00 | COVER | X | X | X |
| G0.01 | GENERAL NOTES | X | X | X |
| G0.02 | KEY PLANS + SECTIONS | X | X | X |
| SV1A | MAP OF EXISTING CONDITIONS PREPARED FOR SCENIC HUDSON, INC. - 61 PARKER | X | X | X |
| SV | MAP OF TOPOGRAPHIC SURVEY PREPARED FOR SCENIC HUDSON, INC. - 58 PARKER | X | X | X |
| C1.00 | OVERALL SITE PLAN | X | X | X |
| C1.20 | PRILIMINARY DEMOLITION PLAN - NORTH | X | X | X |
| C1.21 | PRELIMINARY DEMOLITION PLAN - SOUTH | X | X | X |
| C1.30 | SITE PLAN - NORTH | X | X | X |
| C1.31 | SITE PLAN - SOUTH | X | X | X |
| C1.40 | PRELIMINARY GRADING, DRAINAGE & EROSION SEDIMENT CONTROL PLAN - NORTH | X | X | X |
| C1.41 | PRELIMINARY GRADING, DRAINAGE & EROSION SEDIMENT CONTROL PLAN - SOUTH | X | X | X |
| C1.50 | VEHICLE TURNING DIAGRAM | X | X | X |
| C1.60 | PRELIMINARY UTILITY PLAN - NORTH | X | X | X |
| C1.61 | PRELIMINARY UTILITY PLAN - SOUTH | X | X | X |
| C5.30 | SITE DETAILS | X | X | X |
| C5.40 | STORM AND SANITARY SEWER DETAILS | X | X | X |
| C5.41 | SANITARY SEWER DETAILS | | | X |
| C5.50 | EROSION & SEDIMENT CONTROL DETAILS | X | X | X |
| C5.60 | WATER SYSTEM DETAILS | X | X | X |
| L1.10 | PRELIMINARY MATERIALS PLAN - NORTH | X | X | X |
| L1.11 | PRELIMINARY MATERIALS PLAN - SOUTH | X | X | X |
| L1.50 | PRELIMINARY PLANTING SCHEDULE | X | X | X |
| L1.51 | PRELIMINARY PLANTING PLAN - NORTH | X | X | X |
| L1.52 | PRELIMINARY PLANTING PLAN - SOUTH | X | X | X |
| LT - 01 | LANDSCAPE LIGHT LEVEL CALCULATION | X | X | X |
| LT - 02 | LANDSCAPE LIGHT LEVEL CALCULATION | X | X | X |
| LT - 03 | LANDSCAPE LIGHT LEVEL CALCULATION | X | X | X |
| A1.00 | LEVEL 1 PROPOSED PLAN (FALL KILL LEVEL PLAN) | X | X | X |
| A1.01 | LEVEL 2 PROPOSED PLAN (PARKER AVE PLAN) | X | X | X |
| A1.02 | LEVEL 3 PROPOSED PLAN (GREEN ROOF PLAN) | X | X | X |
| A1.03 | ROOF PLAN | X | X | X |
| A2.00 | BUILDINGS A + B ELEVATIONS | X | X | X |
| A2.01 | BUILDINGS C + D + E ELEVATIONS | X | X | X |
| A7.00 | WINDOW TYPE I + II DETAILS (STEEL FRAME GLAZED) | | | X |
| A7.01 | WINDOW TYPE III + IV DETAILS (LOUVERS) | | | X |
| A7.02 | DOOR DETAILS | | | X |
| A7.03 | DOOR DETAILS | | | X |



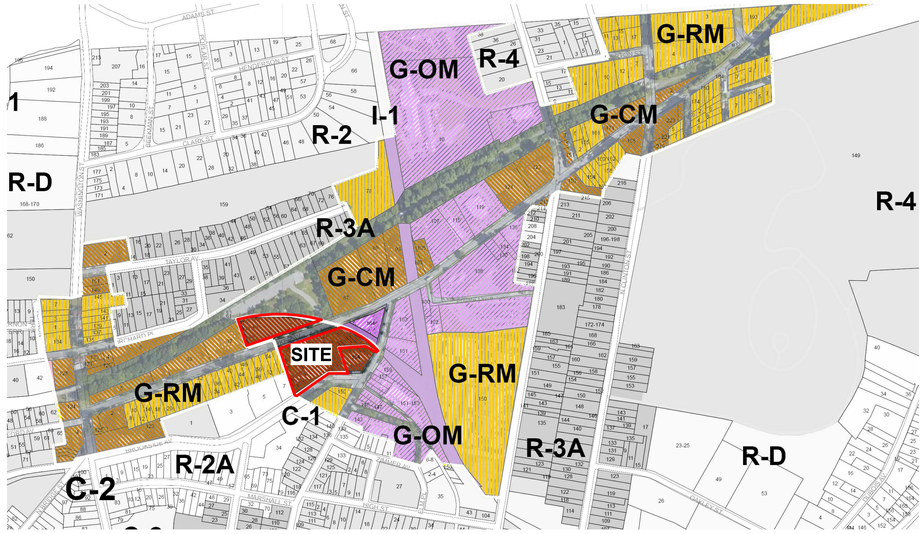

**LOCATION MAP**
SCALE: 1"=1000'

**ADJOINING LOTS**

| PARCEL | PARCEL ADDRESS | CURRENT USE | ACREAGE |
|---|---|---|---|
| 148369 | 58 parker Ave | Other Storage | 2.10 ac |
| 125385 | Parker Ave | Parking Lot | 0.93 ac |
| 125364 | 56 Parker Ave | 2 Family Res | 0.13 ac |
| 128350 | 7 Brookside | Vacant | 0.25 ac |
| 141336 | Garden St | Vacant | 0.26 ac |
| 154341 | Garden St | Vacant | 0.38 ac |
| 161347 | 150 Garden St | 1 Family Res | 0.13 ac |
| 170367 | 154 Garden St | Other Storage | 0.58 ac |
| 094375 | 37 Parker Ave | Other Storage | 0.78 ac |
| 086384 | 61 Parker Ave | State Park | 5.06 ac |
| 177385 | 164 Garden St | Other Storage | 0.36 ac |
| 163407 | 67 Parker Ave | Junkyard | 1.60 ac |

Note:
Above information gathered from Dutchess County Parcel Access on July 30, 2021.

**ZONING MAP:**




**PROJECT DESCRIPTION:**

THIS DOCUMENT IS FOR THE PROPOSED SCENIC HUDSON HEADQUARTERS TO BE LOCATED INPOUGHKEEPSIE, NY. THE SCOPE OF WORK INCLUDES A FULL RENOVATION OF THE EXISTING, UNOCCUPIED SPACES LOCATED AT 58 PARKER STREET AND UPGRADE THE EXISTING PARKING LOT AT 61 PARKER.THE EXISTING STRUCTURE AT 58 PARKER STREET IS COMPRISED OF MULTIPLE INTERCONNECTED BUILDINGS THAT PREVIOUSLY FUNCTIONED AS AN INDUSTRIAL SPACE UNTIL APPROXIMATELY 2002. THE EXISTING STRUCTURE CAN BE DESCRIBED WITH FIVE SUB-STRUCTURES (A, B, C, D, AND E) WHICH WILL BE OUTLINED IN THIS DOCUMENT. FOR THE PURPOSES OF THIS DOCUMENT, THE EXISTING BUILDING WILL BE CONSIDERED TWO STORIES IN HEIGHT WITH A PARTIAL BASEMENT BELOW GRADE. THE BUILDING IS APPROXIMATELY 42,800 GROSS SQUARE FEET.

THE PROJECT ENTAILS THE RENOVATION OF THE EXISTING STRUCTURES TO CREATE AN OFFICE/COLLABORATIVE SPACE AS WELL AS A WORKSHOP SPACE FOR SCENIC HUDSON. THEBUILDING WILL PRIMARILY CONTAIN OFFICE/AMENITY SPACES BUTIS EXPECTED TO CONTAIN SMALL ASSEMBLY CONFERENCE/MEETING SPACES AS WELL AS A WORKSHOP AREAFOR VEHICLES.A PORTION OF THE ROOF WILL SERVE AS A DEDICATED ROOFTOP GARDEN WITH THE POTENTIAL FOR ASSEMBLY SEATING.

**BULK STANDARDS**

DISTRICT: WALKWAY - GATEWAY DISTRICT
SUBDISTRICT: - G-CM - GATEWAY COMMERCIAL MIXED -USE

| 58 PARKER AVE | | | | |
|---|---|---|---|---|
| G-CM SUBDISTRICT* | REQUIRED (MINIMUM) | REQUIRED (MAXIMUM) | EXISTING | PROPOSED |
| **LOT STANDARDS** | | | | |
| LOT AREA | N/A | N/A | 3.03 AC | 3.03 AC |
| LOT WIDTH | 18 FT | 140 FT | 580 FT*** | 580 FT*** |
| LOT DEPTH | 75 FT | N/A | 225 FT | 225 FT |
| **SETBACKS** | | | | |
| FRONT SETBACK | 0 FT | 12 | 0 | 0 |
| SIDE SETBACK | 0 FT | 12 FT, ONE SIDE ONLY | 0.4 FT | 5 FT |
| REAR SETBACK | N/A | N/A | N/A | N/A |
| FRONTAGE OCCUPANCY | 70% | 100% | 25% | 25% |
| **BUILDING STANDARDS** | | | | |
| PRINCIPAL BUILDING HEIGHT | 2-3 STORIES | 3 STORIES (45 FT) | 2 STORIES | 2 STORIES |
| OUT BUILDING | N/A | 2 STORIES | 2 STORIES | N/A |
| **SETBACK FROM FALL KILL**** | 30 FT | N/A | > 30 FT | > 30 FT |

**NOTES:**
* Per Table 3.25-2B in Section 19-3.25(8) and Table 3.25-3 in Section 19-3.25(9).
** Per Section 19-4.18(2)a.
***Existing non-comformity.
****Variance required

**PARKING REQUIREMENTS**

| BUILDING | TOTAL BLDG AREA | PROPOSED USE | SPACES/1000 SF OFFICE - 2.5 spaces/1000 SF RETAILS - 3 Spaces/ 1000 SF | REQUIRED # OF PARKING | PROPOSED VEHICULAR PARKING | PROPOSED BIKE PARKING |
|---|---|---|---|---|---|---|
| BLDG A | 22,010 | OFFICE SPACE | 2.5 | 55.0 | | |
| BLDG B | 13,220 | OFFICE SPACE | 2.5 | 33.1 | | |
| BLDG C | 6,410 | OFFICE SPACE | 2.5 | 16.0 | | |
| BLDG D | 3445 | OFFICE SPACE | 2.5 | 8.6 | | |
| BLDG E | 5540 (*) | UNCOVERED EXTERIOR SPACE | N/A | N/A | | |
| TOTAL APPLICABLE AREA FOR PARKING COUNTS | 38,675 | | | | | |
| | | TOTAL REQUIRED # OF PARKING SPACES | | 113 | | |
| | | TOTAL PROPOSED # OF PARKING SPACES | | 87 | 82 | 10 * |
| | | DELTA | | 26 | | |

NOTES
* - TWO BICYCLES MAY BE USED TO REDUCE THE REQUIRED PARKING BY ONE PARKING SPACE

CITY PLANNING BOARD
CITY OF POUGHKEEPSIE, NEW YORK
**SITE PLAN APPROVAL**

FILE NO:

PROJECT NAME: SCENIC HUDSON

PROJECT LOCATION: 58 PARKER AVENUE

APPLICANT: NORTHSIDE JUNCTION, LLC

**OFFICIALLY APPROVED** at the Planning Board

meeting held the ____ day of _____ 2____

PLANNING CHAIR:

DESIGNEE:

DATE SIGNED:

CONDITION(S):

**OWNER'S CERTIFICATION NOTE**
**OWNER / APPLICANT SIGNATURE**

THE UNDERSIGNED OWNER OR AUTHORIZED REPRESENTATIVE OF THE PROPERTY SHOWN HEREON STATES THAT HE HAS REVIEWED THIS MAP, THAT HE IS FAMILIAR WITH THIS MAP, ITS CONTENTS AND CONSENTS TO ALL SAID TERMS AND CONDITIONS AS STATED HEREON.

NAME (TITLE) DATE

**CITY OF POUGHKEEPSIE DEPARTMENTAL SIGNATURES**

Fire Chief Date

Police Chief Date

Building Inspector Date

City Engineer Date

Commissioner of Public Works Date

**GENERAL NOTE:**
THE SITE IS SUBJECT TO AN ENVIRONMENTAL EASEMENT, AND ANY SITE REDEVELOPMENT, USE, AND MONITORING ACTIVITIES MUST COMPLY WITH THE NYSDEC-APPROVED SITE MANAGEMENT PLAN (SMP). THE SITE REMEDY INCLUDES IMPACTED SOIL THAT IS BENEATH A 2-FOOT SOIL COVER OR PAVEMENT SECTION AND THE NEED TO ASSESS AND ADDRESS SOIL VAPOR MITIGATION FOR BUILDING CONSTRUCTION. INTERIOR OF BERMS HAVE BEEN DESIGN WITH 2-FOOT SOIL COVER AS PUBLIC ACCESS IS ANTICIPATED AND EXTERIOR OF BERM FACING CSX ACCESS HAS BEEN DESIGNED WITH NO PUBLIC ACCESS AND A 1-FOOT OF ENGINEERED MATERIAL FOR PLANTING THE LIVING WALL.

| REV No. | Description | ISSUE Date |
|---|---|---|
| 1. | PLANNING BOARD SUBMISSION | 08/02/21 |
| 2. | PLANNING BOARD SUBMISSION | 09/02/21 |
| 3. | PLANNING BOARD SUBMISSION | 10/05/21 |

NOTES


Architect
MASS DESIGN GROUP
289 MAIN STREET
SUITE 101
POUGHKEEPSIE NY 12601

Landscape Consultant
STOSS
54 OLD COLONY AVENUE,
THIRD FLOOR
BOSTON MA 02127

Civil Engineering
CHAZEN
21 FOX ST
POUGHKEEPSIE NY 12601

Structural Engineer
SILMAN
32 OLD SLIP
NEW YORK NY 10005

Sustainability Engineer
TRANSSOLAR KLIMA ENGINEERING
200 EAST 23RD STREET
SUITE 403
NEW YORK NY 10010

MEP Engineer
VANDERWEIL ENGINEERS
1001 6TH AVE
NEW YORK NY 10018

FP AND Code Consultant
HOWE ENGINEERS
101 LONGWATER CIRCLE
SUITE 203
NORWELL MA 02061

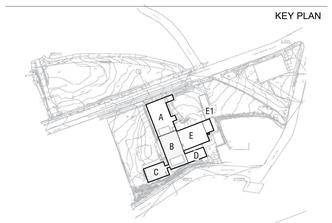
Lighting Consultant
SCHWINGHAMMER
335 W 38TH STREET #1
NEW YORK NY 10018

Acoustic Consultant
WSDG
262 MARTIN AVE
HIGHLAND NY 12528


STAMP + SIGNATURE




KEY PLAN




MASS.

OWNER:
NORTHSIDE JUNCTION LLC,
1 CIVIC CENTER PLAZA, STE 200
POUGHKEEPSIE, NY, 12601

58 PARKER AVE
POUGHKEEPSIE NY 12601

PLANNING BOARD SUBMISSION

10/05/21

COVER

**G0.00**
As indicated

## DEMOLITION NOTES:

1. 58 PARKER AVENUE IS IDENTIFIED AS A BROWNFIELD SITE SUBJECT TO A NYSDEC BROWNFIELD CLEANUP AGREEMENT. ALL REMEDIAL AND SITE EXCAVATION WORK SHALL BE CONDUCTED IN ACCORDANCE WITH THE BROWNFIELD CLEANUP AGREEMENT AND REMEDIAL ACTION WORK PLAN.
2. REFER TO REQUIREMENTS OUTLINED IN THE MATERIALS MANAGEMENT, HEALTH AND SAFETY, AND EROSION & SEDIMENT CONTROL PLANS & NOTES PRIOR TO COMMENCEMENT OF WORK.
3. CONFORM TO APPLICABLE CODE FOR SAFETY OF ADJACENT STRUCTURES, DUST CONTROL, RUNOFF CONTROL, AND HAULING, DISPOSAL AND STORAGE OF DEBRIS.
4. PROVIDE, ERECT, AND MAINTAIN TEMPORARY BARRIERS AND SECURITY DEVICES.
5. MAINTAIN EXISTING UTILITIES TO REMAIN IN SERVICE AND PROTECT THEM AGAINST DAMAGE DURING SELECTIVE DEMOLITION OPERATIONS. DO NOT INTERRUPT EXISTING UTILITIES SERVING OPERATING FACILITIES, EXCEPT WHEN AUTHORIZED IN WRITING BY OWNER AND AUTHORITIES HAVING JURISDICTION.
6. NOTIFY ADJACENT OWNERS OF WORK THAT MAY AFFECT THEIR PROPERTY, POTENTIAL NOISE, UTILITY OUTAGE, OR DISRUPTION. COORDINATE WITH OWNER.
7. PREVENT MOVEMENT OR SETTLEMENT OF ADJACENT STRUCTURES. PROVIDE BRACING AND SHORING.
8. LOCATE AND IDENTIFY ALL EXISTING UTILITIES WITHIN THE CONSTRUCTION AREA. DISCONNECT AND SEAL OR CAP OFF UTILITY SERVICES THAT WILL BE AFFECTED BY THIS PROJECT. NOTIFY AFFECTED UTILITY COMPANIES BEFORE STARTING WORK AND COMPLY WITH THEIR REQUIREMENTS. VERIFY THAT UTILITIES HAVE BEEN DISCONNECTED AND CAPPED.
9. DEMOLISH AND REMOVE COMPONENTS IN AN ORDERLY AND CAREFUL MANNER.
10. PROTECT EXISTING FEATURES THAT ARE NOT TO BE DEMOLISHED.
11. CONDUCT OPERATIONS WITH MINIMUM INTERFERENCE TO PUBLIC OR PRIVATE ACCESSES.
12. MAINTAIN EGRESS AND ACCESS AT ALL TIMES. DO NOT CLOSE OR OBSTRUCT ROADWAYS, OR SIDEWALKS WITHOUT PERMITS. COORDINATE W/ AUTHORITY HAVING JURISDICTION.
13. CEASE OPERATIONS IMMEDIATELY IF ADJACENT STRUCTURES APPEAR TO BE IN DANGER. NOTIFY AUTHORITY HAVING JURISDICTION.
14. ROUGH GRADE AND COMPACT AREAS AFFECTED BY DEMOLITION TO MAINTAIN SITE GRADES AND CONTOURS.
15. FIELD VERIFY EXISTING CONDITIONS AND CORRELATE WITH REQUIREMENTS INDICATED ON DEMOLITION PLAN TO DETERMINE EXTENT OF SELECTIVE DEMOLITION REQUIRED.
16. CONDUCT DEMOLITION OPERATIONS AND REMOVE DEBRIS TO ENSURE MINIMUM INTERFERENCE WITH SELECTIVE DEMOLITION OPERATIONS.
17. CONDUCT DEMOLITION OPERATIONS TO PREVENT INJURY TO PEOPLE AND DAMAGE TO ADJACENT BUILDINGS AND FACILITIES TO REMAIN. ENSURE SAFE PASSAGE OF PEOPLE AROUND SELECTIVE DEMOLITION AREA.
18. USE WATER MIST, TEMPORARY ENCLOSURES AND OTHER SUITABLE METHODS TO LIMIT THE SPREAD OF DUST AND DIRT. COMPLY WITH GOVERNMENTAL ENVIRONMENTAL PROTECTION REGULATIONS. DO NOT USE WATER WHEN IT MAY DAMAGE EXISTING CONSTRUCTION, SUCH AS CAUSING ICING, FLOODING, AND TRANSPORTING POLLUTANTS.
19. REMOVE AND TRANSPORT DEBRIS IN A MANNER THAT WILL PREVENT SPILLAGE ON ADJACENT SURFACES AND AREAS.
20. CLEAN ADJACENT STRUCTURES AND IMPROVEMENTS OF DUST, DIRT AND DEBRIS CAUSED BY SELECTIVE DEMOLITION OPERATIONS. RETURN ADJACENT AREAS TO CONDITION EXISTING BEFORE START OF SELECTIVE DEMOLITION.
21. PROMPTLY DISPOSE OF DEMOLISHED MATERIALS. ALL DEBRIS RESULTING FROM DEMOLITION ACTIVITIES SHALL BE DISPOSED OF OFF-SITE AT A FACILITY APPROVED TO ACCEPT THE DEBRIS. DO NOT ALLOW DEMOLISHED MATERIALS TO ACCUMULATE ON-SITE. DO NOT BURN DEMOLISHED MATERIALS ON-SITE.
22. PRIOR TO THE START OF CONSTRUCTION OR EXCAVATION, TREES TO BE RETAINED SHALL BE PROTECTED WITH SILT FENCE, SNOW FENCE, CONSTRUCTION FENCE, OR EQUAL, WHICH WILL BE PLACED AT THE DRIP LINE OR SEVERAL FEET BEYOND. HOWEVER, THE FENCING SHALL NOT CROSS PUBLIC SIDEWALKS. INCLUDING BROKEN PARTS FROM CLEARING EQUIPMENT, SHALL BE REMOVED AND DISPOSED OF IN ACCORDANCE WITH FEDERAL AND STATE GUIDELINES.
23. THE CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH LOCAL DUST CONTROL AND/OR MONITORING ORDINANCES, IF ANY EXIST.

## STRIPING REMOVAL NOTES:

1. REMOVAL OF EXISTING PAVEMENT STRIPING SHALL BE ACCOMPLISHED EITHER BY WATERBLASTING OR DRY SANDBLASTING. THE WORK SHALL BE PERFORMED IN SUCH A MANNER THAT THE FINISHED PAVEMENT IS NOT DAMAGE OR LEFT IN A PATTERN THAT WILL MISLEAD OR MISDIRECT THE MOTORISTS. WHEN THESE OPERATIONS ARE COMPLETED THE PAVEMENT SURFACE SHALL FIRST BE POWER BROOMED AND THEN BLOWN OFF WITH COMPRESSED AIR TO REMOVE RESIDUE AND DEBRIS RESULTING FROM THE WORK. ALL SUCH DEBRIS THAT REMAINS ON THE ROADWAY, INCLUDING BROKEN PARTS FROM CLEANING EQUIPMENT, SHALL BE REMOVED AND DISPOSED OF IN ACCORDANCE WITH FEDERAL AND STATE GUIDELINES.
2. THE CONTRACTOR SHALL CONDUCT THE REMOVAL AND CLEANING WORK IN SUCH A MANNER AS TO MINIMIZE AIRBORNE DUST AND SMALLER DEBRIS, SO AS TO PREVENT A HAZARD TO MOTOR VEHICLE OPERATION OR NUISANCE TO PROPERTY OWNERS.

## SITE PLAN NOTES:

### GENERAL CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL PROTECT EXISTING PROPERTY LINE MONUMENTATION. ANY MONUMENTATION DISTURBED OR DESTROYED, AS JUDGED BY THE ENGINEER OR OWNER, SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE AND UNDER THE SUPERVISION OF A NEW YORK STATE LICENSED LAND SURVEYOR.
2. ALL PAVEMENT RESTORATION SHALL MEET AND MATCH EXISTING GRADES.
3. ALL SAWCUT LINES SHALL BE PARALLEL AND CURVILINEAR TO EXISTING OR PROPOSED CURBING AND SHALL BE A CONSTANT DISTANCE OF 18" MIN AWAY.
4. NOTIFY ENGINEER 48 HOURS PRIOR TO INITIALIZATION OF ANY WORK ON SITE.
5. THE ENGINEER SHALL BE NOTIFIED IN WRITING OF ANY CONDITIONS THAT VARY FROM THOSE SHOWN ON THE PLANS. THE CONTRACTOR'S WORK SHALL NOT VARY FROM THE PLANS WITHOUT PRIOR REVIEW FROM THE ENGINEER.
6. CONTRACTOR IS RESPONSIBLE FOR EMPLOYING AND MAINTAINING ALL TRAFFIC CONTROL AND SAFETY MEASURES DURING CONSTRUCTION.
7. CONTRACTOR IS RESPONSIBLE FOR PROPERLY & SAFELY MAINTAINING AREA BETWEEN ALL ADJOINING PROPERTIES.
8. NO WORK, STORAGE OR TRESPASS SHALL BE PERMITTED BEYOND THE SITE PROPERTY LINES OR PUBLIC RIGHT-OF-WAY. ADJACENT PROPERTY OWNED BY THE DEVELOPER MAY BE BE USED FOR EQUIPMENT STORAGE DURING CONSTRUCTION OF THE PROPERTY.
9. ALL EXISTING LAWN AREA, CURBING, PAVING, SIDEWALKS, CULVERTS OR OTHER PUBLIC OR PRIVATE PROPERTY DAMAGED BY TRENCHING OR EXCAVATION OPERATIONS SHALL BE REPLACED OR REPAIRED TO A CONDITION EQUAL TO EXISTING, AS DESCRIBED IN CONTRACT DOCUMENTS OR AS ORDERED BY ENGINEER (ADBE). MAILBOXES, SIGN POSTS, ETC SHALL BE PROTECTED OR REMOVED AND REPLACED EXACTLY AS THEY WERE BEFORE BEING DISTURBED. REMOVE AND REPLACE AFFECTED CURBING AND SIDEWALK TO NEAREST JOINT. REMOVE PAVEMENT AND REPLACE TO SAW CUT LINE, SAW CUT IN STRAIGHT LINE TO POINT NEEDED TO BLEND GRADE, REMOVE LAWN AND REPLACE TO MINIMUM LIMIT OF EXCAVATION.

### LAYOUT NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL FIELD LAYOUT. THE CONTRACTOR SHALL TAKE TIES TO ALL UTILITY CONNECTIONS AND PROVIDE MARKED-UP AS BUILT PLANS FOR ALL UTILITIES SHOWING TIES TO CONNECTIONS, BENDS, VALVES, LENGTHS OF LINES AND INVERTS. AS-BUILT PLANS SHALL BE REVIEWED BY THE OWNER AND THE ENGINEER. THE CONTRACTOR SHALL PROVIDE ANY CORRECTION OR ADDITIONS TO THE SATISFACTION OF THE OWNER AND THE ENGINEER BEFORE UTILITIES WILL BE ACCEPTED.
2. BUILDING DIMENSIONS TO BE TAKEN FROM ARCHITECTURAL BUILDING PLANS. NOTIFY THE ENGINEER OF ANY DEVIATION FROM CONDITIONS SHOWN ON THIS PLAN.
3. PRIOR TO THE START OF CONSTRUCTION OR EXCAVATION, TREES TO BE RETAINED SHALL BE PROTECTED BY SILT FENCE, SNOW FENCE, CONSTRUCTION FENCE, OR EQUAL, WHICH WILL BE PLACED AT THE DRIP LINE OR SEVERAL FEET BEYOND.
4. FENCING SHALL NOT CROSS PUBLIC SIDEWALKS.
5. NO STORAGE OR STOCKPILING OF CONSTRUCTION MATERIALS, DEBRIS, OR EQUIPMENT SHALL OCCUR WITHIN THE FENCED AREA.
6.

### ROCK REMOVAL NOTES:

ROCK REMOVAL, BY MECHANICAL MEANS ONLY, IS ANTICIPATED FOR THE INSTALLATION OF THE PROPOSED WORK. BLASTING IS NOT PERMITTED.

### PAVING NOTES:

1. NO VEHICULAR TRAFFIC OF ANY SORT SHALL BE PERMITTED ON THE SURFACE OF SUBBASE COURSE MATERIAL ONCE IT HAS BEEN FINE GRADED, COMPACTED, AND IS READY FOR PAVING. SUBBASE MATERIAL SO PREPARED FOR PAVING SHALL BE PAVED WITHIN THREE DAYS OF PREPARATION.
2. SUBBASE MATERIAL AND THE VARIOUS ASPHALT CONCRETE MATERIALS CALLED FOR IN THESE DRAWINGS SHALL CONFORM WITH THE REFERENCED SECTION OF THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, DATED 2017. CONSTRUCTION SHALL BE AS FURTHER SET FORTH IN THOSE SPECIFICATIONS AND AS OTHERWISE PROVIDED FOR IN THESE DRAWINGS.
3. PLACE ASPHALT CONCRETE MIXTURE ON PREPARED SURFACE, SPREAD AND STRIKE-OFF USING A SELF-PROPELLED PAVING MACHINE, WITH VIBRATING SCREED. PLACEMENT IN INACCESSIBLE AND SMALL AREAS MAY BE BY HAND.
4. PROVIDE JOINTS BETWEEN OLD AND NEW PAVEMENTS OR BETWEEN SUCCESSIVE DAY'S WORK.
5. TACK COAT WHEN SPECIFIED OR CALLED OUT ON THE DRAWINGS OR REQUIRED BY THE REFERENCED SPECIFICATION SHALL CONFORM WITH THE FOLLOWING:
   A. TACK COAT SHALL MEET THE MATERIAL REQUIREMENTS OF 702-90 ASPHALT EMULSION FOR TACK COAT OF THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, DATED 2017, SHALL BE APPLIED IN ACCORDANCE WITH SECTION 407 - TACK COAT SHALL BE IN ACCORDANCE WITH THOSE SPECIFICATIONS AND AS OTHERWISE PROVIDED FOR IN THESE DRAWINGS.
   B. REMOVE LOOSE AND FOREIGN MATERIAL FROM ASPHALT SURFACE BEFORE PAVING NEXT COURSE. USE POWER BROOMS, BLOWERS OR HAND BROOM.
   C. APPLY TACK COAT TO ASPHALT PAVEMENT SURFACES & AND SURFACES OF CURBS, GUTTERS, MANHOLES, AND OTHER STRUCTURES PROJECTING INTO OR ABUTTING PAVEMENT. DRY TO A "TACKY" CONSISTENCY BEFORE PAVING.
   D. TACK COAT ENTIRE VERTICAL SURFACE OF ABUTTING EXISTING PAVEMENT.
6. AFTER COMPLETION OF PAVING AND SURFACING OPERATIONS, CLEAN SURFACES OF EXCESS OR SPILLED ASPHALT, GRAVEL OR STONE MATERIALS TO THE SATISFACTION OF THE ENGINEER.

### GRADING NOTES:

1. PRIOR TO SITE DISTURBANCE, CONTRACTOR TO INSTALL EROSION & SEDIMENT CONTROL MEASURES.
2. BOX ALL TREES AND HOUSE ALL SHRUBS AND HEDGES BEFORE PLACING EARTH AGAINST OR NEAR THEM. ORNAMENTAL TREES, SHRUBS AND HEDGES WHICH MUST BE REMOVED DURING CONSTRUCTION SHALL BE HEALED IN AND RE-PLANTED IN AS GOOD A CONDITION AS THEY WERE BEFORE THEIR REMOVAL. ANY DAMAGED TREES, SHRUBS, AND/OR HEDGES SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
3. ALL EARTHWORK SHALL BE SMOOTHLY AND EVENLY BLENDED INTO EXISTING CONDITIONS. NO WORK, STORAGE OR TRESPASS SHALL BE PERMITTED BEYOND THE BOUNDARIES OF ANY EASEMENT OR PROPERTY LINE.
4. REMOVE ALL VEGETATION, TREES, STUMPS, GRASSES, ORGANIC SOILS, DEBRIS AND DELETERIOUS MATERIALS WITHIN THE AREAS SLATED FOR CONSTRUCTION.
5. IF PREVIOUSLY UNKNOWN CULTURAL, ARCHEOLOGICAL, OR HISTORIC REMAINS OR ARTIFACTS ARE DISCOVERED IN THE COURSE OF CONSTRUCTION OF THIS PROJECT, THE PROJECT SPONSORS SHALL SUSPEND CONSTRUCTION OPERATIONS IN THE PERTINENT AREA AND SHALL NOTIFY THE PROJECT ENGINEER. CONSTRUCTION IN THAT AREA SHALL RESUME ONLY AFTER COMPLETION OF FEDERAL, TRIBAL, AND STATE COORDINATION TO DETERMINE WHETHER PROTECTION OR RECOVERY OF THE REMAINS IS WARRANTED, OR WHETHER THE SITE IS ELIGIBLE FOR LISTING IN THE NATIONAL REGISTER OF HISTORIC PLACES.

## UTILITY PLAN NOTES:

### GENERAL CONSTRUCTION NOTES:

1. ALL UNDERGROUND UTILITIES ARE SHOWN IN THEIR RELATIVE POSITION AND ARE FOR INFORMATIONAL PURPOSES ONLY. CONTRACTOR TO VERIFY THEIR ACTUAL LOCATION IN THE FIELD PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
2. ANY CONDITION ENCOUNTERED IN THE FIELD DIFFERING FROM THOSE SHOWN HEREON, SHALL BE REPORTED TO THE DESIGN ENGINEER BEFORE CONSTRUCTION IS TO PROCEED.
3. SEWER MAINS IN RELATION TO WATER MAINS: WHERE POSSIBLE, SEWERS SHALL BE LAID AT LEAST 10 (TEN) FEET HORIZONTALLY FROM ANY EXISTING OR PROPOSED WATER MAIN. VERTICAL SEPARATION SHALL BE MAINTAINED TO PROVIDE 18 (EIGHTEEN) INCHES BETWEEN THE TOP OF SEWER AND BOTTOM OF THE WATER MAIN AT UTILITY CROSSINGS. WHEN NOT POSSIBLE TO OBTAIN THE PROPER VERTICAL SEPARATION, SEWER PIPE SHALL BE PRESSURE RATED TO 150psi, AND 10 (TEN) FEET ON EACH SIDE OF THE WATER MAIN BEING CROSSED.
4. ALL PROPOSED UTILITIES SHALL TERMINATE 5 FEET FROM ANY PROPOSED BUILDING FACE. CONTRACTOR TO COORDINATE WITH BUILDING PLANS FOR ANY CONNECTIONS.
5. ALL STORM SEWER SHALL BE SMOOTH INTERIOR HDPE UNLESS OTHERWISE SPECIFIED.
6. ALL GRAVITY SANITARY SEWER SHALL BE SDR 21 PVC UNLESS OTHERWISE SPECIFIED.
7. ALL WATER PIPE SHALL BE CL52 DUCTILE IRON PIPE UNLESS OTHERWISE SPECIFIED.
8. CONTRACTOR TO VERIFY STATUS OF ALL UTILITY SERVICES PRIOR TO INTERRUPTION.
9. EXPLORATORY EXCAVATIONS SHALL BE PERFORMED BY THE CONTRACTOR AT ALL UTILITY CONNECTION LOCATIONS AND AS NEEDED TO VERIFY EXISTING CONDITIONS PRIOR TO PERFORMING WORK.
10. BEFORE CONSTRUCTING LINES TO CONNECT TO EXISTING UTILITIES, VERIFY EXISTING UTILITY INVERTS AND NOTIFY THE ENGINEER IF ANY VARIATION FROM THE PLAN IS REQUIRED.
11. THE CONTRACTOR SHALL COMPLY WITH ALL REQUIRED PERMITS AND ASSOCIATED CONDITIONS.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR DEWATERING UTILITY TRENCHES AND EXCAVATIONS AND FOR THE MAINTENANCE OF SURFACE DRAINAGE DURING THE COURSE OF THE WORK.
13. IF ROCK REMOVAL BY BLASTING IS REQUIRED, THE CONTRACTOR SHALL OBTAIN ALL NECESSARY APPROVALS AND PERMITS REQUIRED BY THE AUTHORITY HAVING JURISDICTION.
14. REDUCE PRESSURE ZONE VALVE TO BE PROVIDED ON FIRE SUPPLY AND DOUBLE CHECK VALVE ON DOMESTIC SUPPLY AT EACH LOCATION WHERE WATER LINE ENTERS THE BUILDING. BACKFLOW ASSEMBLIES SHALL BE LISTED IN UNIVERSITY OF SOUTHERN CALIFORNIA LIST OF APPROVED BACKFLOW PREVENTION ASSEMBLIES.
15. ALL BACKFLOW PREVENTION AND METER PITS SHALL BE LOCATED INSIDE THE NEW BUILDING.
16. CONTRACTOR SHALL PROVIDE AN AS-BUILT PLAN OF THE PROPOSED IMPROVEMENTS BY A LICENSED NEW YORK STATE PROFESSIONAL ENGINEER. THIS INCLUDES BUT NOT BE LIMITED TO BUILDINGS, ROADWAYS, WALLS, UTILITIES (INCLUDING INVERTS, RIMS, PIPE SIZE AND DIMENSIONS), SIDEWALKS, ROADWAY RAMPS, CURBING, PARKING LOTS (INCLUDING STRIPING), LANDSCAPE AREAS, ETC. HARDCOPY AND ELECTRONIC COPIES SHALL BE PROVIDED TO OWNER AND PROJECT ENGINEER.
17. UNDERGROUND ELECTRIC SHOWN ON THIS PLAN FOR REFERENCE ONLY. REFER TO MEP PLANS.

### CITY OF POUGHKEEPSIE PLANNING BOARD - SANITARY & SEWER NOTES.

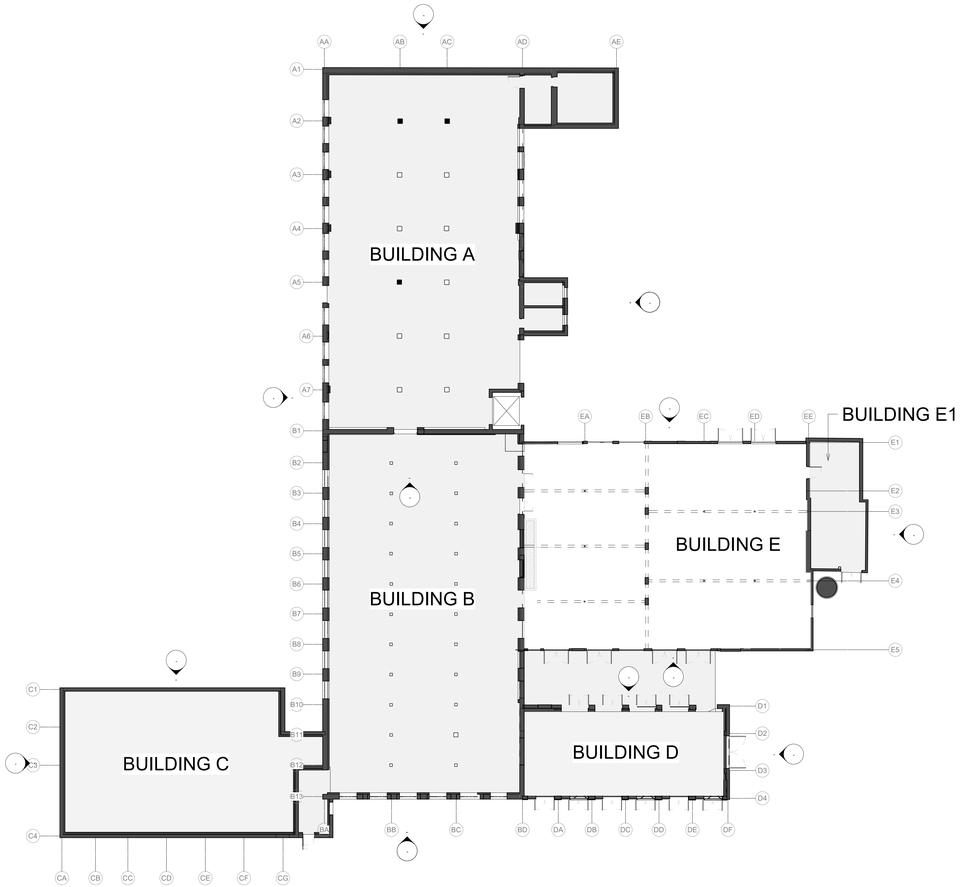
1. FLOOR DRAINS, IF CONSTRUCTED, SHALL BE CONNECTED TO THE SANITARY SEWER SYSTEM. FLOOR DRAINS DO NOT INCLUDE FOUNDATION/FOOTER DRAIN. ALL DISCHARGES TO THE SANITARY SEWER SHALL COMPLY WITH THE EFFLUENT LIMITS ESTABLISHED BY THE DUTCHESS COUNTY SANITARY CODE.
2. SANITARY SEWERS AND APPURTENANCES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF THE CITY OF POUGHKEEPSIE. ALL SANITARY SEWER SYSTEM COMPONENTS SHALL BE INSTALLED BY OR UNDER THE SUPERVISION OF A CITY OF POUGHKEEPSIE LICENSED PLUMBER IN ACCORDANCE WITH THE CITY PLUMBING CODE.
3. MAJOR EARTHWORK SHALL BE COMPLETED PRIOR TO INSTALLATION OF ANY SANITARY SEWER MAINS AND APPURTENANCES. ALL CONNECTING SEWER LINES SHALL BE FLUSHED BEFORE TESTED.
4. CITY SANITARY SEWER MAINS ARE TO BE POLYVINYL CHLORIDE (PVC) SDR-21. PROJECT SANITARY LATERALS SHALL BE PVC, SDR-35, UNLESS OTHERWISE NOTED.
5. FINAL SEWER COLLECTION SYSTEM LAYOUT IS SUBJECT TO REVIEW, REVISION AND APPROVAL BY THE MUNICIPAL SEWER DEPARTMENT.
6. ALL SANITARY PIPE AND/OR MANHOLES SHALL BE A MINIMUM OF TEN (10) HORIZONTAL FEET FROM THE WATER MAIN. SANITARY PIPE SHALL HAVE A MINIMUM 18" SEPARATION FROM ANY WATER MAIN CROSSING. HOWEVER, IF FOR SOME REASON THIS SEPARATION CANNOT BE ACHIEVED, SANITARY SEWER PIPE IN THE AREA SHALL BE SDR-21 PRESSURE RATED PIPE, AND ONE FULL LENGTH OF WATER MAIN SHALL BE CENTERED UNDER OR OVER THE SEWER. ALL SANITARY SEWER CONSTRUCTION SHALL BE TO SPECIFICATIONS OF THE MUNICIPAL SEWER DEPARTMENT.
7. ALL SANITARY TESTING SHALL BE PERFORMED UNDER THE SUPERVISION OF THE PROJECT ENGINEER, AND, CERTIFICATES OF COMPLIANCE WITH THE INSTALLATION SPECIFICATIONS, TEST STANDARDS, APPROVED PLANS OR APPROVED AMENDMENTS SHALL BE PROVIDED TO THE APPROPRIATE SEWER AUTHORITY AS A CONDITION OF APPROVAL FOR OPERATION.
8. ALL SANITARY SEWER CONSTRUCTION SHALL BE SUBJECT TO INSPECTION BY THE MUNICIPAL SEWER SUPERINTENDENT PRIOR TO BACKFILLING. PIPE BEDDING AND PIPE ZONE MATERIAL SHALL BE IN ACCORDANCE WITH THIS SHEET.
9. ALL NEW SANITARY SEWER MANHOLE COVERS SHALL BE MINIMUM NOMINAL 24" DIAMETER CAST IRON AND SHALL READ "SANITARY SEWER". FRAMES SHALL BE 8-INCHES IN HEIGHT.
10. INDICATOR TAPE SHALL BE PLACED 12" BELOW FINISHED GRADE DIRECTLY ABOVE ALL SANITARY LINES.
11. LOCATION OF SEWER LATERAL CLEAN OUTS ARE TO BE PLACED AS SHOWN ON THE APPROVED SITE PLAN AND NOT TO EXCEED EVERY 75' MEASURED FROM THE SEWER MAIN CONNECTION OR AS DETERMINED BY THE MUNICIPAL SUPERINTENDENT OF SEWERS WHERE LOCATIONS ARE NOT SPECIFICALLY SHOWN.
12. EXTERNAL DROP MANHOLES SHALL BE USED FOR SEWERS ENTERING AT AN ELEVATION OF 24 INCHES OR HIGHER AT THE INLET OF A SEWER MANHOLE.
13. THREE AS-BUILT DRAWINGS PREPARED BY A LICENSED NYS SURVEYOR, WHICH INCLUDE VERIFICATION OF THE SEWER INFRASTRUCTURE INCLUDING RIMS AND INVERTS WILL BE PROVIDED TO THE PLANNING DEPARTMENT FOR DISSEMINATION TO THE ENGINEERING AND SEWER DEPARTMENTS PRIOR TO ANY EASEMENT DEDICATION TO THE TOWN.

## WATER NOTES:

1. USE RESTRAINED JOINT PIPE AND FITTINGS FOR PROPER RESTRAINT OF WATER MAIN PIPE.
2. ALL WATER LINES SHALL BE CEMENT LINED DUCTILE IRON PIPE, CLASS 52, UNLESS OTHERWISE SPECIFIED BY OR APPROVED BY THE ENGINEER.
3. THE WATER LINE MAY BE FLEXED WITHIN PIPE SPECIFICATIONS OR LAID DEEPER IN AREAS WHERE CROSSINGS WITH THE SANITARY LINE OCCUR, TO ACHIEVE THE REQUIRED 1.5' VERTICAL SEPARATION DISTANCE. (SEE WATERLINE OFFSET DETAIL FOR FURTHER INFORMATION).
4. ALL NEW WATER MAIN INSTALLATIONS SHALL BE HYDROSTATICALLY TESTED IN ACCORDANCE WITH AWWA STANDARD C-600(LATEST REVISION) AT A PRESSURE OF 150 PSI, OR 1.5 TIMES (AS REFERENCED ABOVE) THE WORKING PRESSURE OF THE SYSTEM AS A MINIMUM. ALLOWABLE LEAKAGE OF THIS TEST SHALL BE AS DEFINED IN SECTION 4.2 OF SAID AWWA SPECIFICATION.
5. APPROVED AND TESTED WATER MAIN SHALL BE DISINFECTED PER AWWA SECTION C 651 (AS REFERENCED ABOVE), AS DIRECTED BY ENGINEER.
6. THE WATER MAIN IS TO BE INSTALLED AT A CONTINUOUS GRADE WITH NO ABRUPT HIGH OR LOW POINTS.
7. ALL BURIED PIPE FITTINGS AND APPURTENANCES SHALL BE RESTRAINED WITH AN APPROVED DUCTILE IRON RESTRAINED JOINT SYSTEM. ALL BENDS, TEES, CROSSES AND DEAD ENDS SHALL BE "TYTON" PUSH-ON FITTINGS PROVIDED WITH "FIELD LOK 350" JOINT RESTRAINT RUBBER GASKET AS MANUFACTURED BY "U.S. PIPE" OR MECHANICAL JOINT FITTINGS PROVIDED WITH "MEGALUG" JOINT RESTRAINT AS MANUFACTURED BY "EBAA IRON". ALL VALVES FOR UNDERGROUND SERVICE SHALL BE PROVIDED WITH MJ END CONNECTIONS AND RESTRAINED WITH "MEGALUG" SERIES 1100 MECHANICAL JOINT RESTRAINT AND RODDING.
8. ALL PUSH-ON PIPE JOINTS ALONG LENGTHS OF PIPE TO BE RESTRAINED ON EITHER SIDE OF FITTINGS SHALL BE PROVIDED WITH "FIELD LOK 350" JOINT RESTRAINT GASKET.
9. PIPE BEND FITTINGS SHOWN ON THE DRAWINGS ARE INDICATIVE OF PROBABLE DIRECTIONAL CHANGES IN THE PROPOSED WATER MAIN ALIGNMENT. THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL FITTINGS, EITHER SHOWN OR FIELD REQUIRED, AS PART OF THE CONTRACTOR'S CONTRACT AT NO ADDITIONAL COST TO THE OWNER.
10. THE CONTRACTOR SHALL PROVIDE AND INSTALL BRASS WEDGES ACROSS ALL PIPE JOINTS TO ENSURE ELECTRICAL CONDUCTIVITY. THE LOCATION AND THE NUMBER OF WEDGES TO BE PROVIDED SHALL BE ACCORDING TO THE PIPE MANUFACTURER'S RECOMMENDATIONS AND THE SPECIFICATIONS.
11. SHEETING AND EXCAVATION BRACING FOR THE WATERMAIN INSTALLATION SHALL BE PROVIDED IN ACCORDANCE WITH OSHA REQUIREMENTS TO SUIT EXISTING SOIL CONDITIONS. SHEETING, IF REQUIRED, SHALL BE TIGHT WOOD SHEETING AND SHALL BE LEFT IN PLACE, AND AFTER BACKFILLING SHALL BE CUT AT GROUND LEVEL OR AS ORDERED BY THE OWNER'S REPRESENTATIVE.
12. TWO CONSECUTIVE SETS OF ACCEPTABLE SAMPLES, TAKEN AT LEAST 24 HOURS APART SHALL BE COLLECTED AS SPECIFIED IN AWWA STANDARD C-651. IF EXAMINATION DETERMINES THAT THE WATER IS UNFIT FOR CONSUMPTION, THE DISINFECTION PROCESS SHALL BE REPEATED AT THE CONTRACTOR'S EXPENSE UNTIL POTABLE SAMPLES ARE ACHIEVED.
13. MATERIALS USED IN CONSTRUCTION THAT WILL CONTACT POTABLE WATER SHALL BE ANSI/NSF 61 CERTIFIED OR EQUIVALENT.

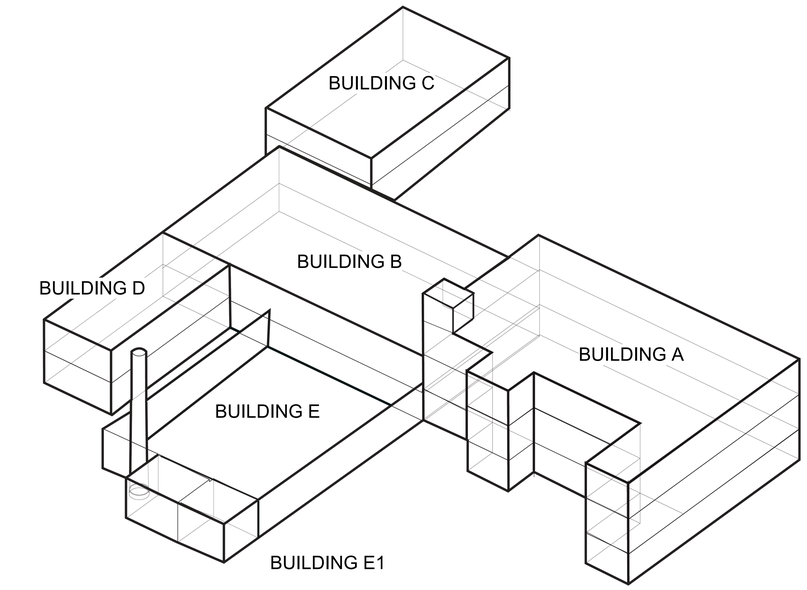
## TESTING GRAVITY SEWER SYSTEM:

1. CONTRACTOR SHALL INSPECT AND TEST THE INSTALLATIONS AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION WHEN WORK IS READY FOR TESTING. AFTER ALL TESTS HAVE BEEN PERFORMED, EVIDENCE OF COMPLIANCE SHALL BE FORWARDED TO OWNER/ENGINEER AND THE AUTHORITY HAVING JURISDICTION PRIOR TO ACCEPTANCE.
2. THE CONTRACTOR SHALL TEST AND INSPECT FOR ALIGNMENT OF ALL SANITARY SEWERS.
3. EACH MANHOLE-TO-MANHOLE SECTION SHALL BE REJECTED OR ACCEPTED BASED ONLY ON RESULTS OF ITS OWN INDEPENDENT SECTION TEST AND NOT ON RESULTS OF ANY ONE TEST RUN SIMULTANEOUSLY OVER MORE THAN ONE CONNECTED MANHOLE-TO-MANHOLE SECTION. IN NO EXCEPTION SHALL BE MADE IN ACCEPTING SEVERAL CONSECUTIVE MANHOLE-TO-MANHOLE SECTIONS BASED ON ONE COMBINED SECTION TEST INDICATING ZERO OR MINIMAL LEAKAGE.
4. LOW PRESSURE AIR TESTING SHALL BE PERFORMED UNDER DIRECTION OF ENGINEER ACCORDING TO ASTM F1417. LOW PRESSURE AIR TEST IS A COMPARISON OF THE MEASURED TIME NECESSARY FOR ONE (1) PSIG PRESSURE DROP TO OCCUR, IF AT ALL, WITH MINIMUM ALLOWABLE TIME FOR THAT PRESSURE DROP TO OCCUR DETERMINED BY METHODS INDICATED IN ASTM F1417. IF THE ONE (1) PSIG PRESSURE DROP OCCURS FASTER THAN ALLOWABLE TIME, SECTION IS UNACCEPTABLE.
5. AN AIR TEST SHALL NOT BE RUN UNTIL SECTION OF LINE TO BE TESTED HAS BEEN CLEANED OF ALL FOREIGN MATERIAL BY FLUSHING AND HAS BEEN VISUALLY INSPECTED AND APPROVED BY THE ENGINEER. CERTAIN PIPE MATERIALS PRODUCE MORE CONSISTENT RESULTS WHEN INTERIOR OF PIPE IS WETTED PRIOR TO TESTING.
6. WHERE FLEXIBLE PIPE IS USED, CONTRACTOR SHALL TEST ALL MAINLINE PIPE FOR MAXIMUM ALLOWABLE DEFLECTION OF 5% OF OUTSIDE DIAMETER. DEFLECTION TESTS SHALL BE PERFORMED USING A CIRCULAR STEEL BALL ON SLED 1/16-INCH OR DIAMETER SMALLER THAN ALLOWABLE INSIDE DIAMETER OF FLEXIBLE PIPE WHEN DEFLECTED A MAXIMUM OF 5% OF OUTSIDE DIAMETER. DEFLECTION TESTS SHALL NOT BE PERFORMED SOONER THAN 30 DAYS AFTER DATE OF INSTALLATION OF PIPE SECTION UNLESS WRITTEN EXCEPTION.
7. SEWERS SHALL BE LAID WITH STRAIGHT ALIGNMENT BETWEEN MANHOLES. STRAIGHT ALIGNMENT SHALL BE CONFIRMED BY USE OF LIGHTED BOARD OR LAMPING. TESTING SHALL COMPLY WITH REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION.
8. MANHOLES, WHICH CANNOT BE PROPERLY AIR TESTED, SHOULD BE VISUALLY INSPECTED AND LEAKAGE-TESTED USING INTERNAL OR EXTERNAL HYDROSTATIC PRESSURE. LEAKAGE TESTING SHALL COMPLY WITH REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION.
9. IN AREAS WHERE CONVENTIONAL TESTING IS IMPRACTICAL (I.E. AREAS DESIGNATED BY ENGINEER WHERE EXISTING SERVICES ARE TIED INTO NEW LINE IMMEDIATELY ANY EXCAVATION WOULD RESULT IN A SERVICE OUTAGE), NEW LINES SHALL BE BACKFILLED UNTIL EACH PIPE SECTION AND CONNECTION IS INSPECTED APPROVED.
10. WHERE SEWERS ARE CONSTRUCTED OF PRESSURE-RATED PIPE AND INSTALLED WITH LESS THAN 18 INCHES VERTICAL SEPARATION FROM EXISTING OR PROPOSED WATER MAINS, SEWER PIPE SHALL BE PRESSURE-TESTED WITH WATER TO ASSURE WATER TIGHTNESS. HYDROSTATIC ACCEPTANCE TESTS SHALL BE CONDUCTED WITH THE PIPELINE UNDER A TEST HEAD OF 4 FEET. TEST TESTING MAY BE PERFORMED WITH THE PIPE SECTION PARTIALLY BACK-FILLED.
11. IF THE ALLOWABLE RATE OF AIR LEAKAGE IS EXCEEDED, THE CONTRACTOR SHALL LOCATE SOURCES OF EXCESSIVE LEAKAGE AND SHALL PROMPTLY CORRECT, REPAIR, AND BRING SYSTEM UP TO THE STANDARD. COSTS OF ALL SUCH REPAIRS AND CORRECTIVE WORK AND RETESTING COSTS OF REPAIRS THUS SHALL BE BORNE BY CONTRACTOR, THE SEWER LINE SECTION (INCLUDING MANHOLES AND BUILDING SERVICES) UNDER TEST SHALL NOT BE ACCEPTED UNTIL THESE TEST CRITERIA ARE MET.
12. SANITARY MANHOLES SHALL BE VACUUM TESTED IN ACCORDANCE WITH ASTM C1244. A VACUUM OF 10 INCHES OF Hg SHOULD BE DRAWN ON THE MANHOLE AFTER THE HOLES ARE PLUGGED, AND INLETS/OUTLETS ARE TEMPORARILY PLUGGED AND SECURED. THE TIME IS MEASURED FOR THE VACUUM TO DROP TO 9 INCHES (Hg). MANHOLE IS ACCEPTED IF THE MEASURED TIME FOR DROP EXCEEDS THE VALVES PRESENTED IN TABLE 1 OF ASTM C1244. IF THE M

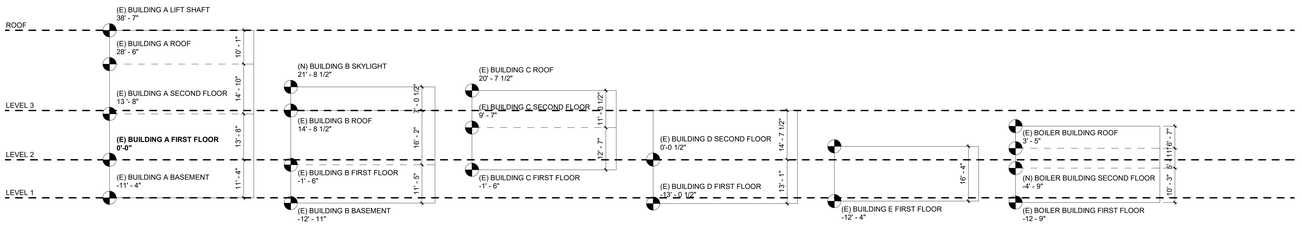



NOTE: ALL GRIDLINES ARE (E) UNLESS OTHERWISE NOTED

3 GRIDLINE KEY
1/16" = 1'-0"




1 BUILDING AXON
1/32" = 1'-0"




2 KEY SECTION
1/16" = 1'-0"

BUILDING A FIRST LEVEL FINISHED FLOOR = PROJECT 0' - 0" =171.57'

| REV No. | Description | ISSUE Date |
|---|---|---|
| 1. | PLANNING BOARD SUBMISSION | 08/02/21 |

NOTES


Architect
MASS DESIGN GROUP
289 MAIN STREET
SUITE 101
POUGHKEEPSIE NY 12601

Landscape Consultant
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SUITE 403
NEW YORK NY 10010

MEP Engineer
VANDERWEIL ENGINEERS
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FP AND Code Consultant
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101 LONGWATER CIRCLE
SUITE 203
NORWELL MA 02061

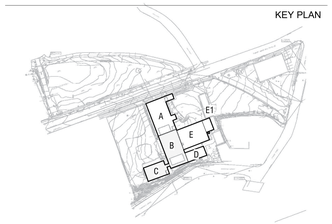
Lighting Consultant
SCHWINGHAMMER
335 W 38TH STREET #1
NEW YORK NY 10018

Acoustic Consultant
WSDG
262 MARTIN AVE
HIGHLAND NY 12528


STAMP + SIGNATURE




KEY PLAN



**LEGEND:**

**EXISTING CONDITIONS:**

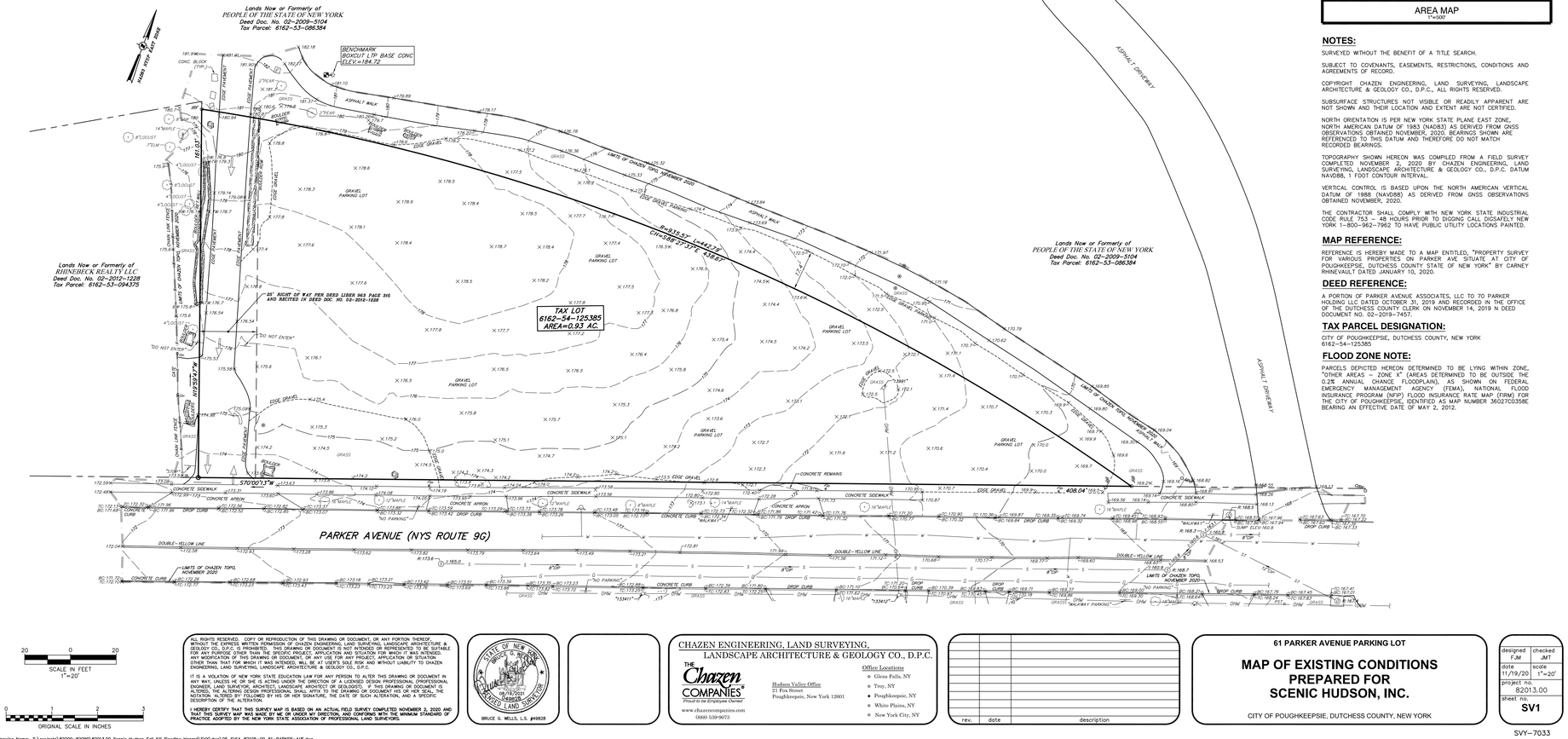
- PROPERTY LINE NO PHYSICAL BOUNDS
- ADJACENT PROPERTY LINE
- EXISTING EASEMENT LINE
- 110 EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- X 290.3 EXISTING SPOT GRADE
- CONC CURB EXISTING CURB/GUTTER
- EXISTING FENCE
- OHW EXISTING OVERHEAD WIRES
- ST EXISTING UNDERGROUND STORM LINE
- S EXISTING UNDERGROUND SANITARY SEWER LINE

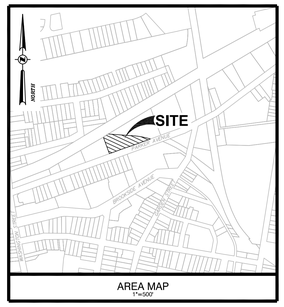
**SYMBOLS:**

- EXISTING SIGN
- EXISTING BOLLARD
- EXISTING FLAGPOLE
- EXISTING POST
- EXISTING DECIDUOUS TREE
- EXISTING CAPPED IRON ROD FOUND
- EXISTING IRON ROD FOUND
- EXISTING MAGNETIC NAIL FOUND
- EXISTING CROSSCUT FOUND
- EXISTING BENCHMARK
- EXISTING SANITARY MANHOLE
- EXISTING DRAINAGE MANHOLE
- EXISTING CATCH BASIN ROUND
- EXISTING ROOF DRAIN LEADER
- EXISTING GUY WIRE
- EXISTING UTILITY POLE
- EXISTING UTILITY POLE W/ LIGHT
- EXISTING ELECTRIC BOX
- EXISTING GAS STRUCTURE
- EXISTING HYDRANT
- EXISTING AUTO SPKLR. HYDRANT
- EXISTING WATER VALVE

**ABBREVIATIONS:**

| | |
|---|---|
| X.BC 289.3 | EXISTING SPOT GRADE BOTTOM CURB |
| X.TC 289.3 | EXISTING SPOT GRADE TOP CURB |
| X.BW 289.3 | EXISTING SPOT BOTTOM WALL |
| X.TW 289.3 | EXISTING SPOT TOP WALL |
| X.R 216.3 | EXISTING RIM ELEVATION |
| X.I 289.3 | EXISTING INVERT ELEVATION |




**NOTES:**

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SUBJECT TO COVENANTS, EASEMENTS, RESTRICTIONS, CONDITIONS AND AGREEMENTS OF RECORD.

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NORTH ORIENTATION IS PER NEW YORK STATE PLANE EAST ZONE, NORTH AMERICAN DATUM OF 1983 (NAD83) AS DERIVED FROM GNSS OBSERVATIONS OBTAINED NOVEMBER, 2020. BEARINGS SHOWN ARE REFERENCED TO THIS DATUM AND THEREFORE DO NOT MATCH RECORDED BEARINGS.

TOPOGRAPHY SHOWN HEREON WAS COMPILED FROM A FIELD SURVEY COMPLETED NOVEMBER 2, 2020 BY CHAZEN ENGINEERING, LAND SURVEYING, LANDSCAPE ARCHITECTURE & GEOLOGY CO., D.P.C. DATUM NAVD88, 1 FOOT CONTOUR INTERVAL.

VERTICAL CONTROL IS BASED UPON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) AS DERIVED FROM GNSS OBSERVATIONS OBTAINED NOVEMBER, 2020.

THE CONTRACTOR SHALL COMPLY WITH NEW YORK STATE INDUSTRIAL CODE RULE 753 – 48 HOURS PRIOR TO DIGGING CALL DIGSAFELY NEW YORK 1-800-962-7962 TO HAVE PUBLIC UTILITY LOCATIONS PAINTED.

**MAP REFERENCE:**

REFERENCE IS HEREBY MADE TO A MAP ENTITLED, "PROPERTY SURVEY FOR VARIOUS PROPERTIES ON PARKER AVE SITUATE AT CITY OF POUGHKEEPSIE, DUTCHESS COUNTY STATE OF NEW YORK" BY CARNEY RHINEVAULT DATED JANUARY 10, 2020.

**DEED REFERENCE:**

A PORTION OF PARKER AVENUE ASSOCIATES, LLC TO 70 PARKER HOLDING LLC DATED OCTOBER 31, 2019 AND RECORDED IN THE OFFICE OF THE DUTCHESS COUNTY CLERK ON NOVEMBER 14, 2019 N DEED DOCUMENT NO. 02-2019-7457.

**TAX PARCEL DESIGNATION:**

CITY OF POUGHKEEPSIE, DUTCHESS COUNTY, NEW YORK
6162-54-125385

**FLOOD ZONE NOTE:**

PARCELS DEPICTED HEREON DETERMINED TO BE LYING WITHIN ZONE, "OTHER AREAS – ZONE X" (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN), AS SHOWN ON FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA), NATIONAL FLOOD INSURANCE PROGRAM (NFIP) FLOOD INSURANCE RATE MAP (FIRM) FOR THE CITY OF POUGHKEEPSIE, IDENTIFIED AS MAP NUMBER 36027C0358E BEARING AN EFFECTIVE DATE OF MAY 2, 2012.

20 0 20
SCALE IN FEET
1"=20'

0 1 2 3
ORIGINAL SCALE IN INCHES

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I HEREBY CERTIFY THAT THIS SURVEY MAP IS BASED ON AN ACTUAL FIELD SURVEY COMPLETED NOVEMBER 2, 2020 AND THAT THIS SURVEY MAP WAS MADE BY ME OR UNDER MY DIRECTION, AND CONFORMS WITH THE MINIMUM STANDARD OF PRACTICE ADOPTED BY THE NEW YORK STATE ASSOCIATION OF PROFESSIONAL LAND SURVEYORS.

STATE OF NEW YORK
BRUCE G. WELLS
LICENSED LAND SURVEYOR
09/18/2020

BRUCE G. WELLS, L.S. #49828

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- White Plains, NY
- New York City, NY

| rev. | date | description |
|---|---|---|

**61 PARKER AVENUE PARKING LOT**

**MAP OF EXISTING CONDITIONS PREPARED FOR SCENIC HUDSON, INC.**

CITY OF POUGHKEEPSIE, DUTCHESS COUNTY, NEW YORK

| | |
|---|---|
| designed FJM | checked JMT |
| date 11/19/20 | scale 1"=20' |
| project no. 82013.00 | |
| sheet no. **SV1** | |

SVY-7033

Drawing Name: Z:\projects\82000-82099\82013.00 Scenic Hudson Fall Kill Flooding Hazard\SVY\dwg\05_SV1A_82105-00_61-PARKER-AVE.dwg
Xref's Attached: XBASE-SVY_82013-00
Date Printed: Aug 02, 2021, 3:57pm

| No. | Description | Date |
|---|---|---|
| 0. | 100% Schematic Design | 4/29/21 |
| 1. | Planning Board Submission | 8/3/21 |

ISSUED

NOTES

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THIRD FLOOR
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POUGHKEEPSIE NY 12601

Structural Engineer
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32 OLD SLIP
NEW YORK NY 10005

Sustainability Engineer
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200 EAST 23RD STREET
SUITE 403
NEW YORK NY 10010

MEP Engineer
VANDERWEIL ENGINEERS
1001 6TH AVE
NEW YORK NY 10018

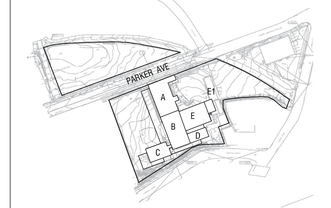
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HOWE ENGINEERS
101 LONGWATER CIRCLE
SUITE 203
NORWELL MA 02061

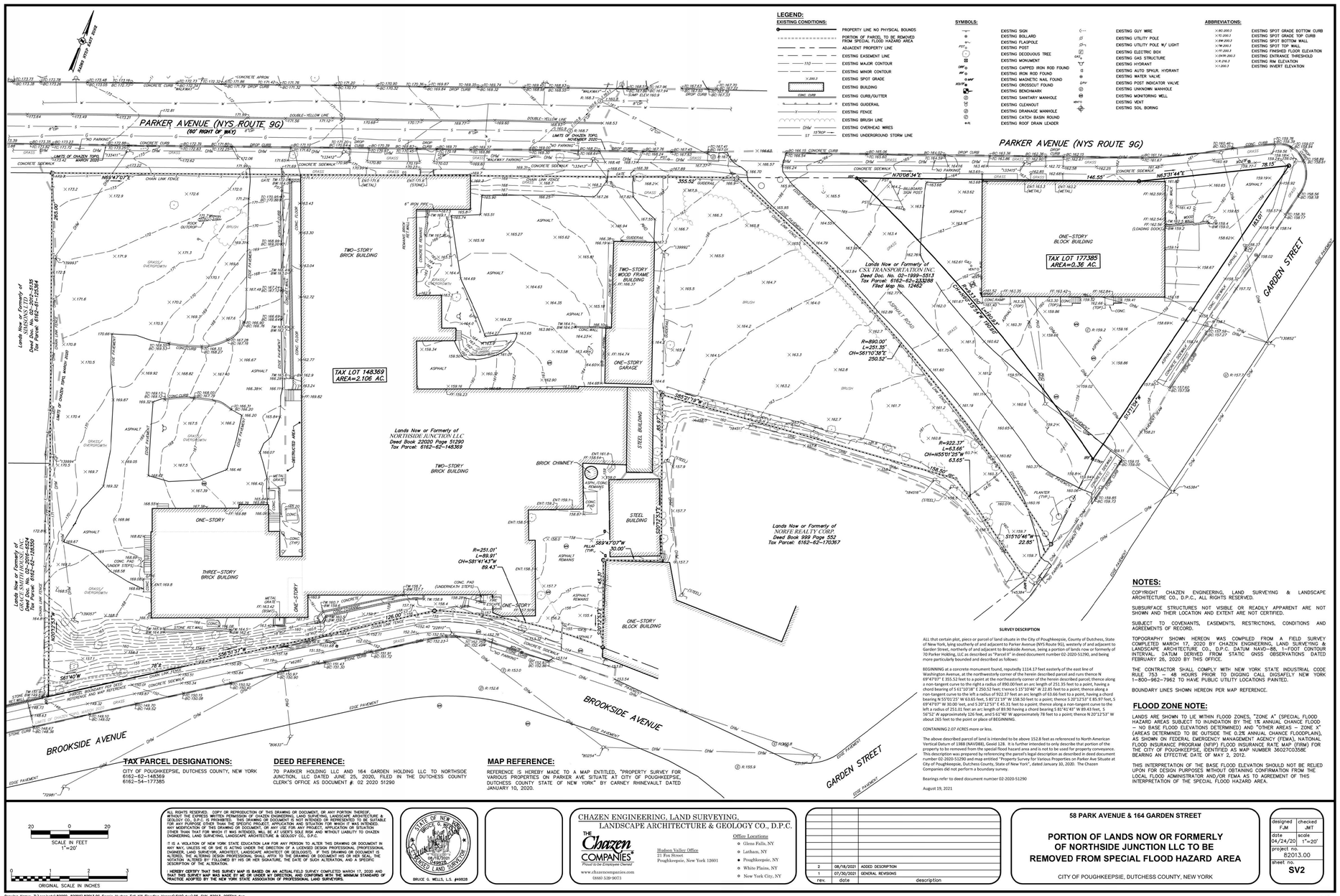
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SCHWINGHAMMER
335 W 38TH STREET #1
NEW YORK NY 10018

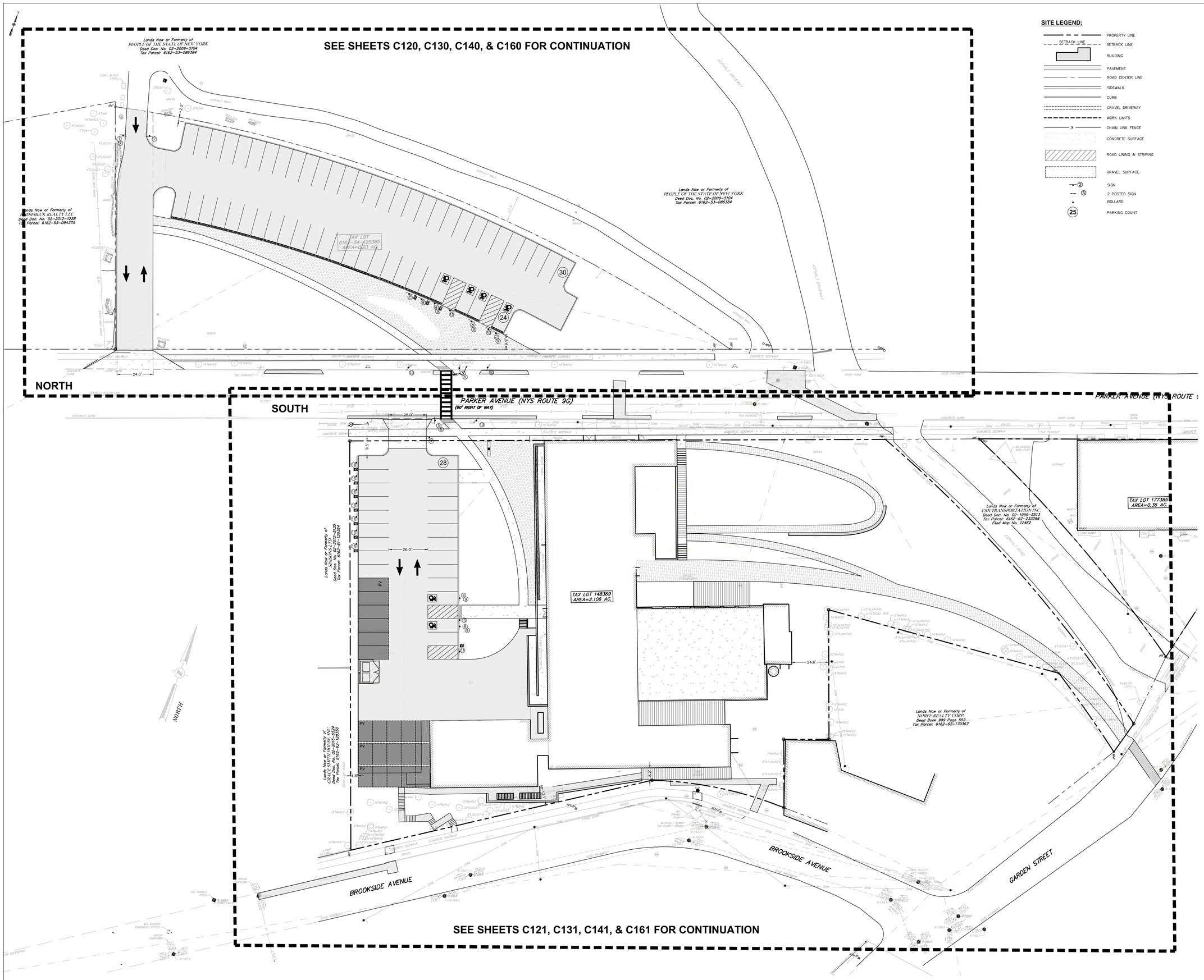
Acoustic Consultant
WSDG
262 MARTIN AVE
HIGHLAND NY 12528

STAMP + SIGNATURE

KEY PLAN




PARKER AVENUE (NYS ROUTE 9G)
(80' RIGHT OF WAY)
PARKER AVENUE (NYS ROUTE 9G)
BROOKSIDE AVENUE
BROOKSIDE AVENUE
GARDEN STREET
GARDEN STREET
TWO-STORY BRICK BUILDING
TWO-STORY WOOD FRAME BUILDING
ONE-STORY GARAGE
ONE-STORY BLOCK BUILDING
THREE-STORY BRICK BUILDING
TWO-STORY BRICK BUILDING
STEEL BUILDING
STEEL BUILDING
ONE-STORY BLOCK BUILDING
TAX LOT 148369
AREA=2.106 AC.
TAX LOT 177385
AREA=0.36 AC.
Lands Now or Formerly of
NORTHSIDE JUNCTION LLC
Deed Book 23020 Page 51290
Tax Parcel: 6162-62-148369
Lands Now or Formerly of
CSX TRANSPORTATION INC.
Deed Doc. No. 02-1929-5513
Tax Parcel: 6162-62-253388
Filed Map No. 12462
Lands Now or Formerly of
NORFE REALTY CORP.
Deed Book 999 Page 552
Tax Parcel: 6162-62-170367
Lands Now or Formerly of
SIMONS LTD
Deed Doc. No. 02-2015-5135
Tax Parcel: 6161-61-125384
Lands Now or Formerly of
LEGACY BANK
Deed Doc. No. 02-2016-4524
Tax Parcel: 6162-62-125309
LIMITS OF CHAZEN TOPO. SURVEY MARCH 2020
LIMITS OF CHAZEN TOPO. NOVEMBER 2020
N63°44'14"E
146.55'
N20°08'34"E
355.52'
S63°31'44"E
78.15'
S01°01'25"W
63.65'
S17°04'54"W
265.00'
S61°40'W
S63°57'47"W
126.00'
S89°47'07"E
265.00'
S89°47'07"W
30.00'
S01°01'25"W
45.37'
S20°12'53"W
S17°10'46"W
22.85'
S89°47'07"W
30.00'
S20°12'53"W
45.37'
S20°12'53"W
78'±
R=890.00'
L=251.35'
CH=S81°10'38"E
250.52'
R=922.37'
L=63.66'
CH=N55°01'25"W
63.65'
R=251.01'
L=89.91'
CH=S21°41'43"W
89.43'
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**SITE LEGEND:**

- PROPERTY LINE
- SETBACK LINE
- BUILDING
- PAVEMENT
- ROAD CENTER LINE
- SIDEWALK
- CURB
- GRAVEL DRIVEWAY
- WORK LIMITS
- CHAIN LINK FENCE
- CONCRETE SURFACE
- ROAD LINING & STRIPING
- GRAVEL SURFACE
- SIGN
- 2 POSTED SIGN
- BOLLARD
- PARKING COUNT

| REV No. | Description | ISSUE Date |
|---|---|---|
| 1. | PLANNING BOARD SUBMISSION | 08/02/21 |
| 2. | PLANNING BOARD SUBMISSION | 09/02/21 |
| 3. | PLANNING BOARD SUBMISSION | 10/05/21 |

NOTES

Architect
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FP AND Code Consultant
HOWE ENGINEERS
101 LONGWATER CIRCLE
SUITE 203
NORWELL MA 02061

Lighting Consultant
SCHWINGHAMMER
335 W 38TH STREET #1
NEW YORK NY 10018

Acoustic Consultant
WSDG
262 MARTIN AVE
HIGHLAND NY 12528

STAMP + SIGNATURE

STATE OF NEW YORK
CHRISTOPHER PAUL MARINO
079470
LICENSED PROFESSIONAL ENGINEER

KEY PLAN

MASS.

Owner:
NORTHSIDE JUNCTION LLC,
1 CIVIC CENTER PLAZA STE 200
POUGHKEEPSIE, NY, 12601

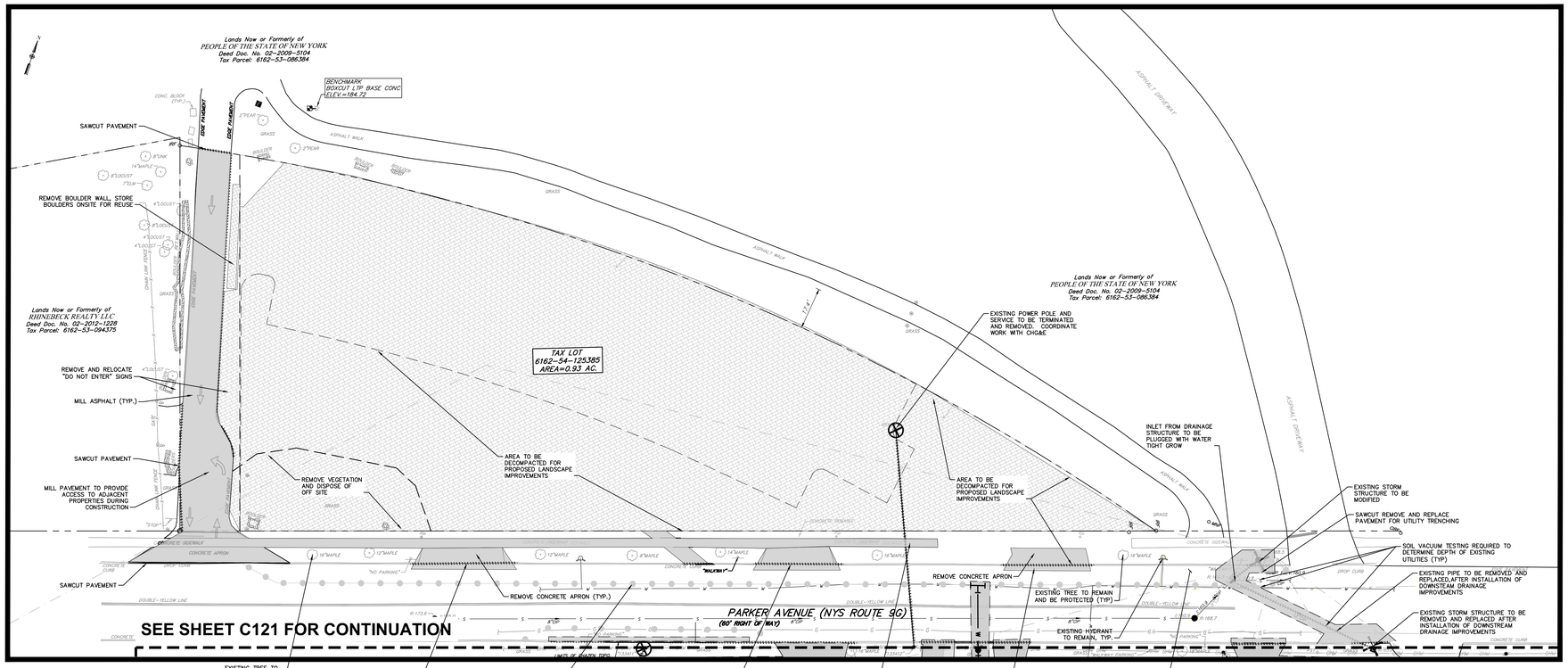
58 PARKER AVE
POUGHKEEPSIE NY 12601

PLANNING BOARD SUBMISSION

OVERALL SITE PLAN

TRUE NORTH

C1.00
1"=20'




1 **DEMOLITION PLAN**
SCALE: 1"=20'

**DEMO:**

- EXISTING FEATURE TO BE REMOVED
- EXISTING TREE TO BE REMOVED
- EXISTING SITE FEATURE TO BE REMOVED
- EXISTING PAVEMENT & SIDEWALK TO BE REMOVED
- EXISTING BUILDING TO BE REMOVED
- N.I.C. — NOT IN CONTRACT
- EXISTING STRUCTURE TO BE REMOVED, N.I.C

CONCRETE RECYCLING NOTES:

1. CONCRETE IDENTIFIED TO BE REMOVED SHALL BE RECYCLED ON-SITE, VIA CRUSHING AND SCREENING (CONFORMING TO NYSDOT SUBBASE TYPE 2), AND REUSED AS AN AGGREGATE SUBBASE FOR SIDEWALK AND CURBING ON-SITE.

| REV No. | Description | ISSUE Date |
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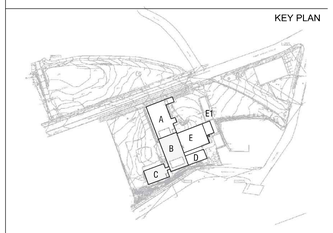
Lighting Consultant
SCHWINGHAMMER
335 W 38TH STREET #1
NEW YORK NY 10018

Acoustic Consultant
WSDG
262 MARTIN AVE
HIGHLAND NY 12528

STAMP + SIGNATURE




KEY PLAN




MASS.

Owner:
NORTHSIDE JUNCTION LLC,
1 CIVIC CENTER PLAZA STE 200
POUGHKEEPSIE, NY, 12601

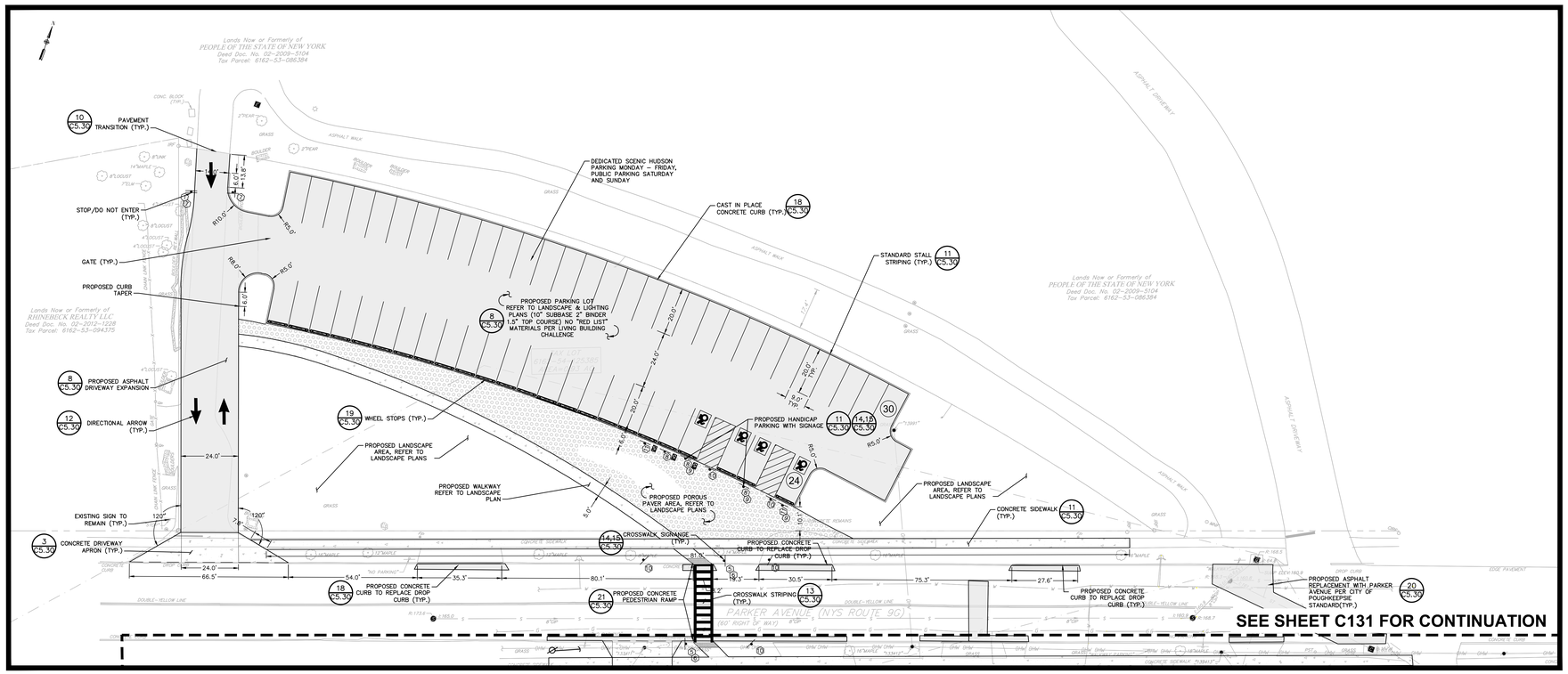
58 PARKER AVE
POUGHKEEPSIE NY 12601

PLANNING BOARD SUBMISSION

PRELIMINARY
DEMOLITION PLAN

TRUE NORTH

**C1.20**
AS NOTED




1 **SITE PLAN**
SCALE: 1"=20'

**SITE LEGEND:**

PROPERTY LINE
SETBACK LINE
BUILDING
PAVEMENT
ROAD CENTER LINE
SIDEWALK
CURB
GRAVEL DRIVEWAY
WORK LIMITS
CHAIN LINK FENCE
CONCRETE SURFACE
ROAD LINING & STRIPING
GRAVEL SURFACE
SIGN
2 POSTED SIGN
BOLLARD
PARKING COUNT

1. PRIOR TO THE START OF CONSTRUCTION OR EXCAVATION, TREES TO BE RETAINED SHALL BE PROTECTED BY SILT FENCE, SNOW FENCE, CONSTRUCTION FENCE, OR EQUAL, WHICH WILL BE PLACED AT THE DRIP LINE OR SEVERAL FEET BEYOND. HOWEVER, THE FENCING SHALL NOT CROSS THE PUBLIC SIDEWALKS. NO STORAGE OR STOCKPILING OF CONSTRUCTION MATERIALS, DEBRIS OR EQUIPMENT SHALL OCCUR WITHIN THE FENCED AREA."

**TREE PROTECTION NOTES:**
1. PRIOR TO THE START OF CONSTRUCTION OR EXCAVATION, TREES TO BE RETAINED SHALL BE PROTECTED BY SILT FENCE, SNOW FENCE, CONSTRUCTION FENCE, OR EQUAL, WHICH WILL BE PLACED AT THE DRIP LINE OR SEVERAL FEET BEYOND.
2. FENCING SHALL NOT CROSS PUBLIC SIDEWALKS.
3. NO STORAGE OR STOCKPILING OF CONSTRUCTION MATERIALS, DEBRIS, OR EQUIPMENT SHALL OCCUR WITHIN THE FENCED AREA.

| REV No. | Description | ISSUE Date |
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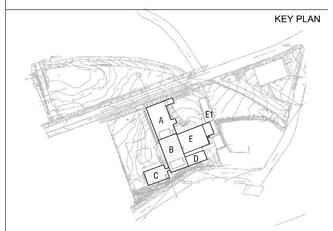
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1 CIVIC CENTER PLAZA STE 200
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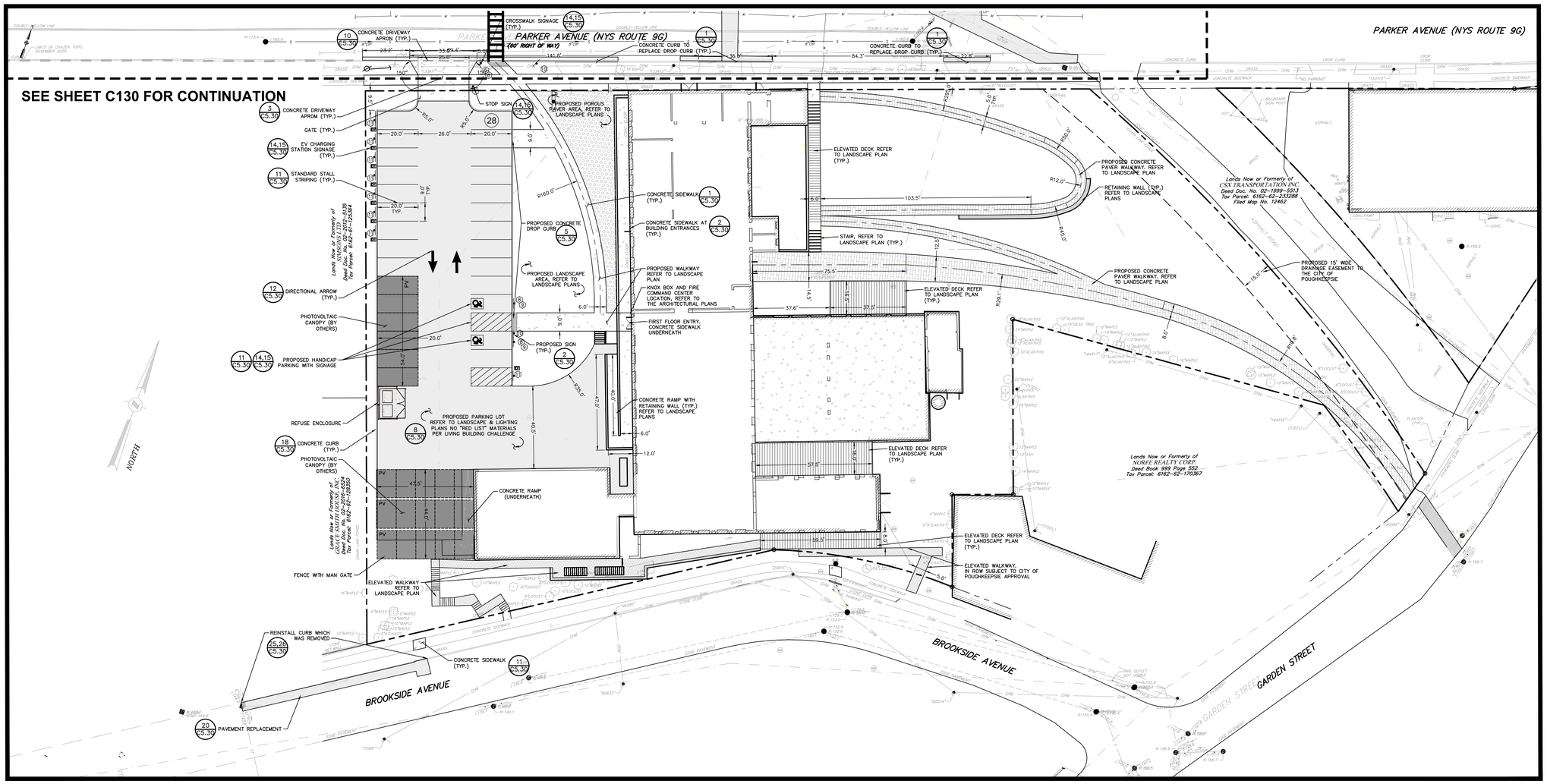
58 PARKER AVE
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PLANNING BOARD SUBMISSION

SITE PLAN - NORTH

TRUE NORTH

C1.30
AS NOTED




1 **SITE PLAN**
SCALE: 1"=20'

**SITE LEGEND:**

- PROPERTY LINE
- SETBACK LINE
- BUILDING
- PAVEMENT
- ROAD CENTER LINE
- SIDEWALK
- CURB
- GRAVEL DRIVEWAY
- WORK LIMITS
- CHAIN LINK FENCE
- CONCRETE SURFACE
- ROAD LINING & STRIPING
- GRAVEL SURFACE
- SIGN
- 2 POSTED SIGN
- BOLLARD
- PARKING COUNT

**TREE PROTECTION NOTES:**

1. PRIOR TO THE START OF CONSTRUCTION OR EXCAVATION, TREES TO BE RETAINED SHALL BE PROTECTED BY SILT FENCE, SNOW FENCE, CONSTRUCTION FENCE, OR EQUAL, WHICH WILL BE PLACED AT THE DRIP LINE OR SEVERAL FEET BEYOND.
2. FENCING SHALL NOT CROSS PUBLIC SIDEWALKS.
3. NO STORAGE OR STOCKPILING OF CONSTRUCTION MATERIALS, DEBRIS, OR EQUIPMENT SHALL OCCUR WITHIN THE FENCED AREA.

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| No. | Description | ISSUE Date |
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| 2. | PLANNING BOARD SUBMISSION | 09/02/21 |
| 3. | PLANNING BOARD SUBMISSION | 10/05/21 |

NOTES

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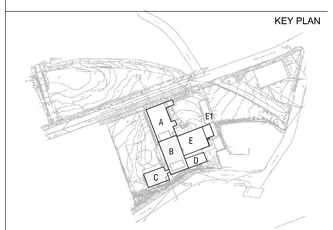
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262 MARTIN AVE
HIGHLAND NY 12528

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STATE OF NEW YORK
CHRISTOPHER PAUL WRIGHT
079470
LICENSED PROFESSIONAL ENGINEER

KEY PLAN




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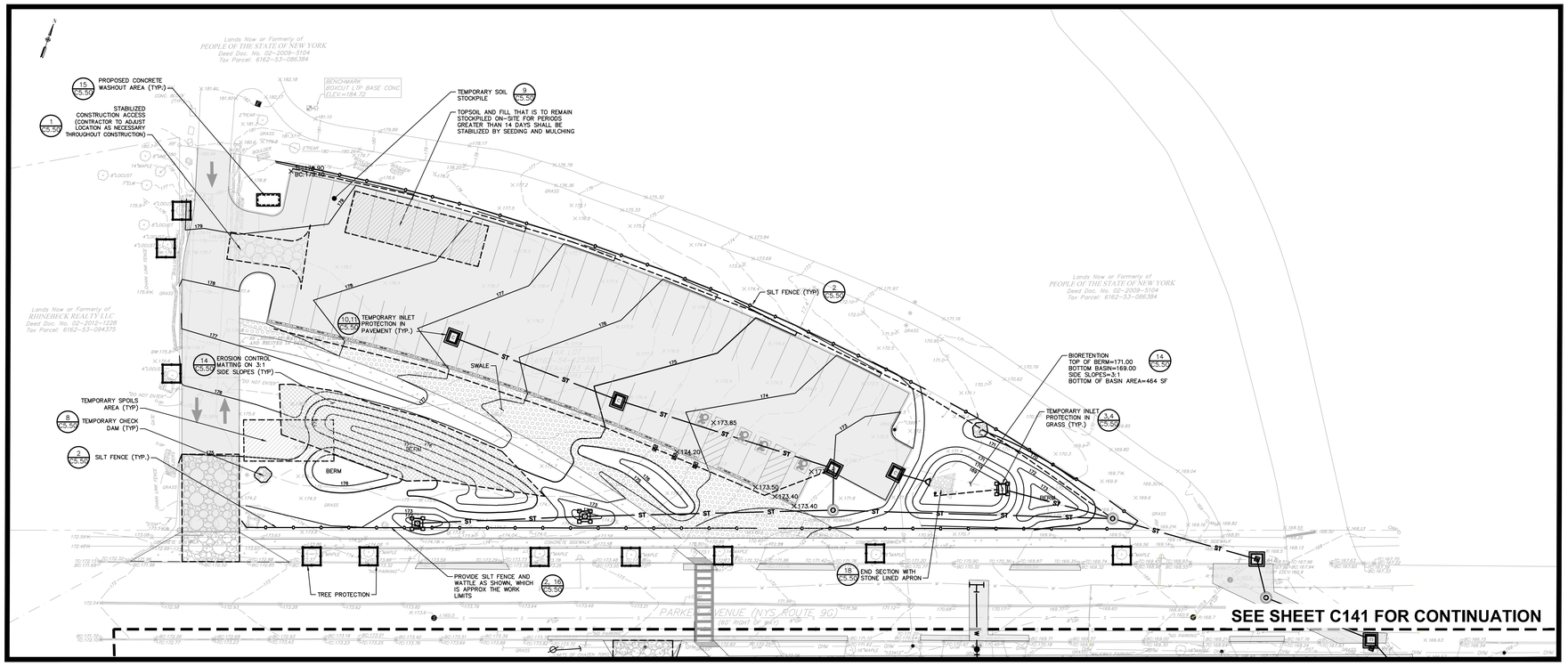
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PLANNING BOARD SUBMISSION

SITE PLAN - SOUTH

TRUE NORTH

**C1.31**
AS NOTED




1 **GRADING AND EROSION & SEDIMENT CONTROL PLAN**
SCALE: 1"=20'

**GRADING & DRAINAGE LEGEND:**

- PROPERTY LINE
- BUILDING
- PAVEMENT
- 10 FT CONTOUR
- 2 FT CONTOUR
- SPOT GRADE
- TREE LINE
- SHRUB LINE
- DRAINAGE SWALE
- SOIL BORING
- TEST PIT
- WORK LIMIT LINE

ABBREVIATIONS:

| | |
|---|---|
| TF | TOP OF FRAME |
| HP | HIGH POINT |
| LP | LOW POINT |
| TC | TOP OF CURB |
| BC | BOTTOM OF CURB |
| INV | INVERT |

**EROSION CONTROL LEGEND:**

- SILT FENCE
- FIBER LOG
- CHECK DAM WITH DITCH FLOW DIRECTION
- TEMPORARY DIVERSION SWALE
- STRAW BALE DIKE / FIBER ROLL
- FILTER FABRIC DROP INLET PROTECTION
- CATCH BASIN GRATE DROP INLET PROTECTION
- CATCH BASIN SILT SAC DROP INLET PROTECTION
- SPOILS STORAGE AREA
- EROSION CONTROL BLANKET
- STABILIZED CONSTRUCTION ENTRANCE
- CONCRETE WASH OUT AREA
- TREE PROTECTION

GENERAL NOTE:
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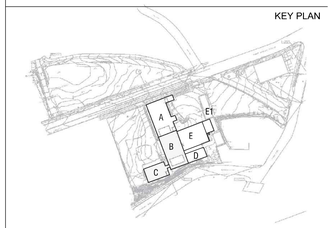
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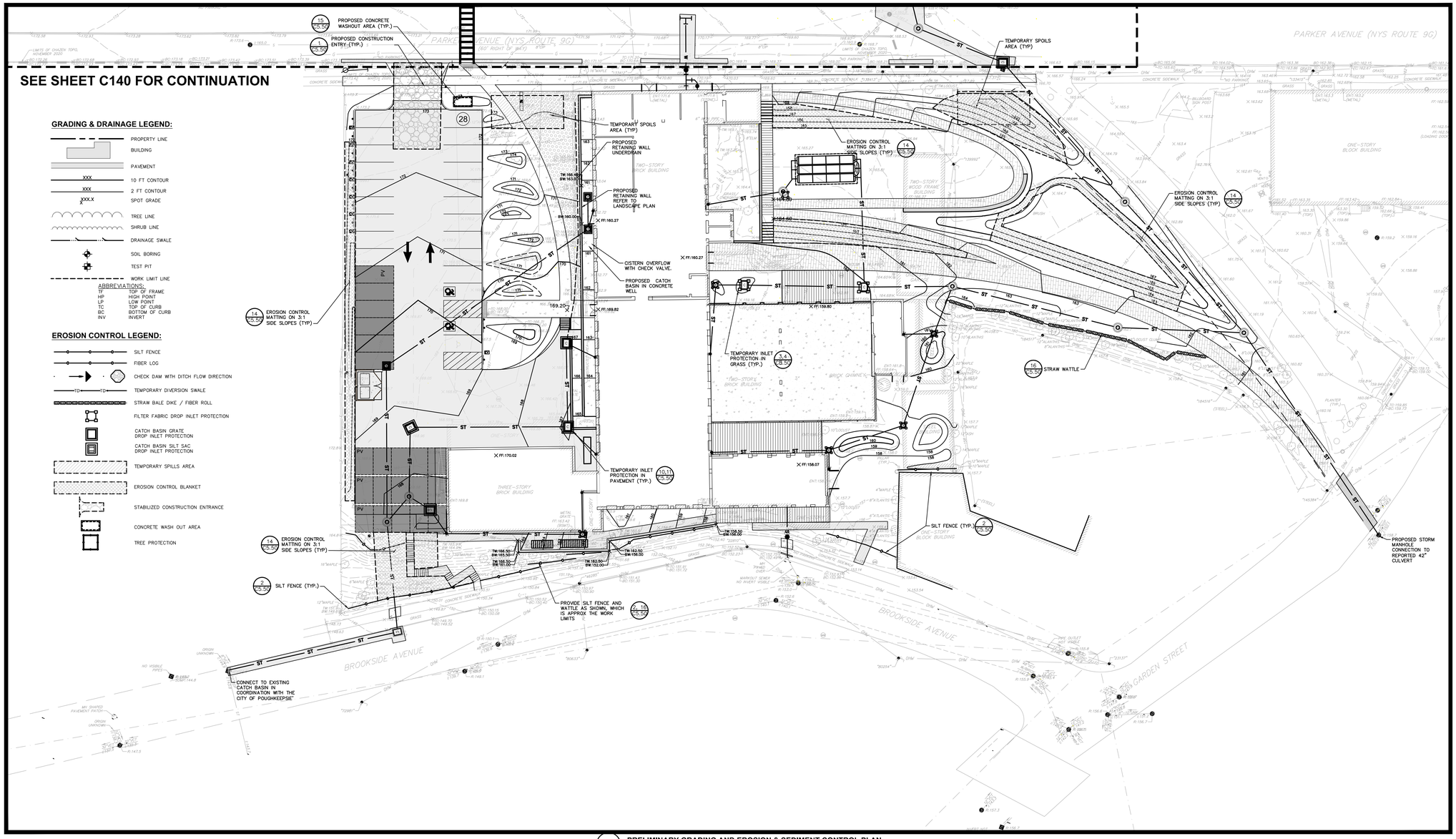
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PLANNING BOARD SUBMISSION

PRELIMINARY GRADING AND EROSION & SEDIMENT CONTROL PLAN NORTH

TRUE NORTH

**C1.40**
AS NOTED




1. PRIOR TO THE START OF CONSTRUCTION OR EXCAVATION, TREES TO BE RETAINED SHALL BE PROTECTED BY SILT FENCE, SNOW FENCE, CONSTRUCTION FENCE, OR EQUAL, WHICH WILL BE PLACED AT THE DRIP LINE OR SEVERAL FEET BEYOND. HOWEVER, THE FENCING SHALL NOT CROSS THE PUBLIC SIDEWALKS. NO STORAGE OR STOCKPILING OF CONSTRUCTION MATERIALS, DEBRIS OR EQUIPMENT SHALL OCCUR WITHIN THE FENCED AREA."

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SCALE: 1"=20'

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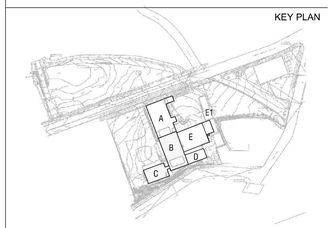
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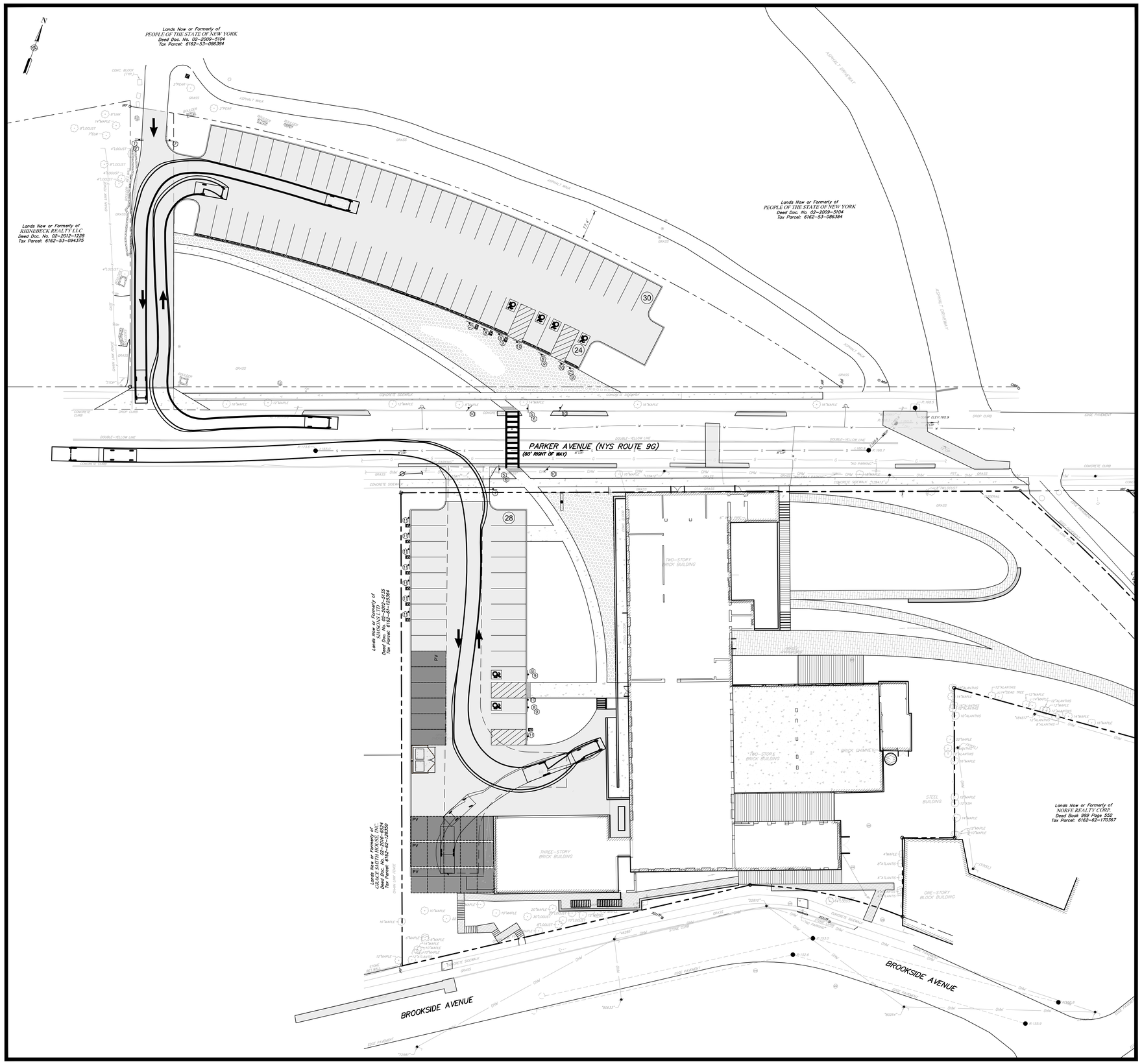
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PLANNING BOARD SUBMISSION

PRELIMINARY GRADING & EROSION & SEDIMENT CONTROL PLAN SOUTH

TRUE NORTH

C1.41
AS NOTED




1 **TURNING MOVEMENT DIAGRAM**
SCALE: 1"=20'

**SITE LEGEND:**

- PROPERTY LINE
- SETBACK LINE
- BUILDING
- PAVEMENT
- ROAD CENTER LINE
- SIDEWALK
- CURB
- GRAVEL DRIVEWAY
- WORK LIMITS
- CHAIN LINK FENCE
- CONCRETE SURFACE
- ROAD LINING & STRIPING
- GRAVEL SURFACE
- SIGN
- 2 POSTED SIGN
- BOLLARD
- PARKING COUNT

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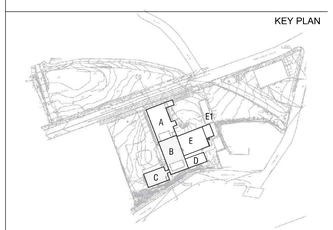
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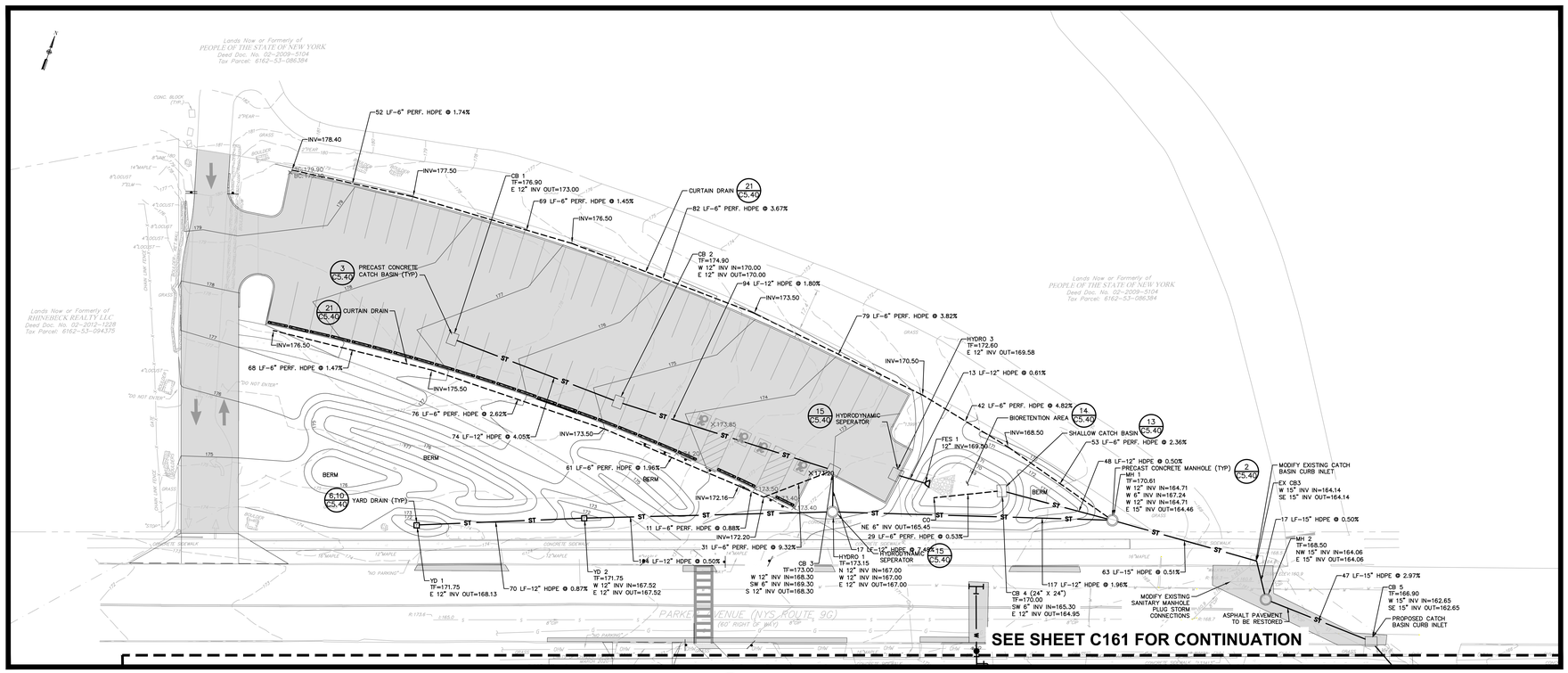
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VEHICLE TURNING DIAGRAM

TRUE NORTH

C1.50
AS NOTED




1 **UTILITY PLAN**
SCALE: 1"=20'

**UTILITY LEGEND:**

- PROPERTY LINE
- BUILDING
- OHW — OVERHEAD WIRES
- S — SANITARY SEWER LINE
- FM — FORCE MAIN
- W — WATER LINE
- ST — STORM DRAIN LINE
- G — GAS LINE
- SIZE & TYPE — CULVERT W/ END SECTION
- CATCH BASIN
- DRAINAGE MANHOLE
- CLEANOUT
- HYDRANT
- WATER SHUT OFF VALVE
- WATER VALVE
- REDUCER
- LIGHT POLE
- LIGHT WALL PACK
- POST AND LUMINAIRE
- SANITARY MANHOLE
- TSP — TRAFFIC SIGNAL POLE
- UTILITY POLE
- GAS VALVE

**GENERAL NOTE:**

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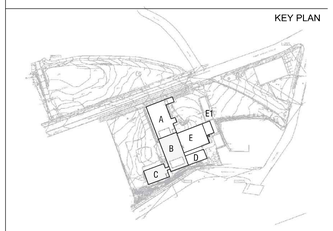
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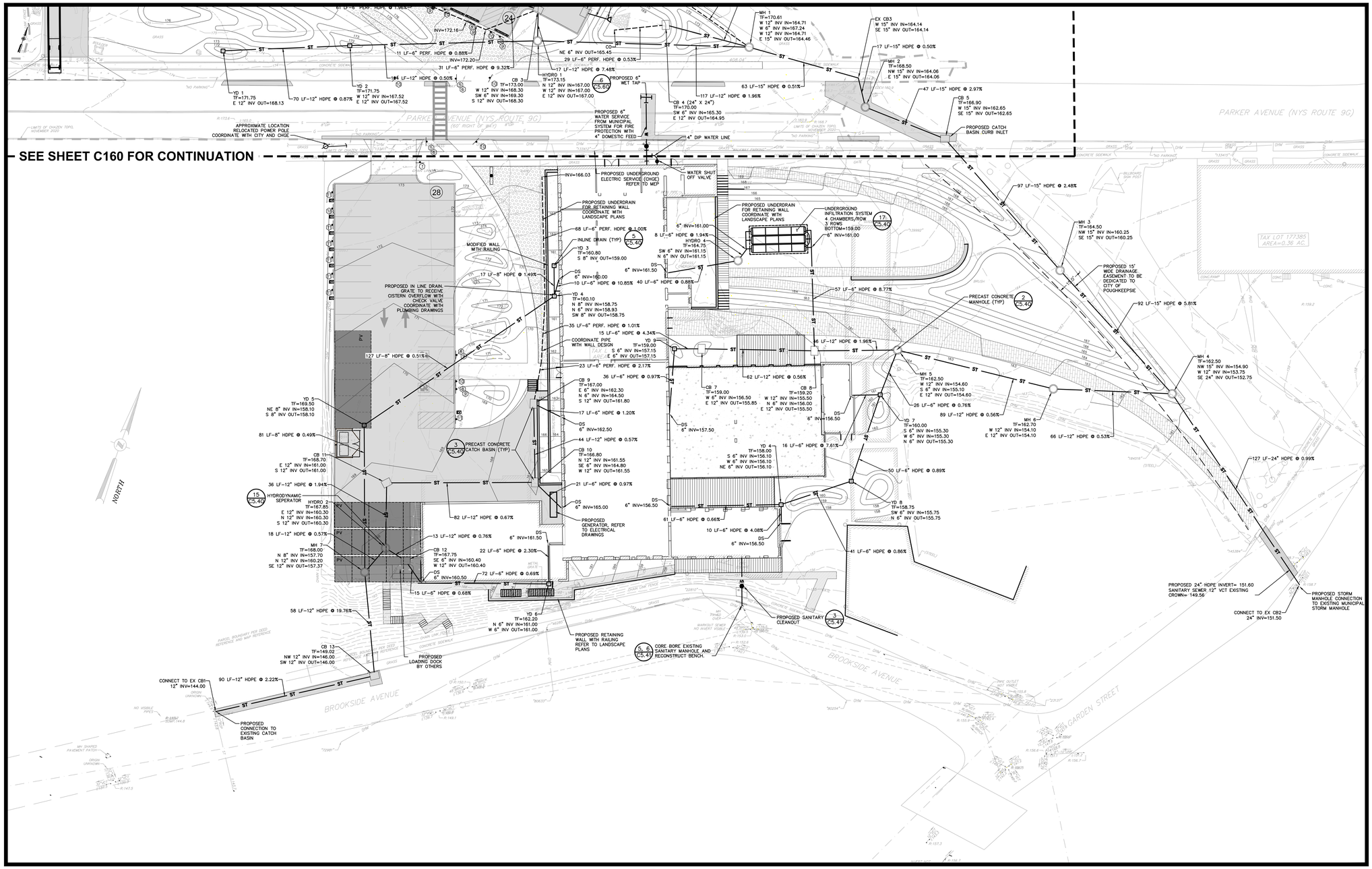
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KEY PLAN






2 **UTILITY PLAN**
SCALE: 1"=20'

**UTILITY LEGEND:**

- PROPERTY LINE
- BUILDING
- SANITARY SEWER LINE
- FORCE MAIN
- WATER LINE
- STORM DRAIN LINE
- ELECTRIC LINE
- GAS LINE
- CULVERT W/ END SECTION
- CATCH BASIN
- DRAINAGE MANHOLE
- CLEANOUT
- HYDRANT
- WELL
- WATER SHUT OFF VALVE
- WATER VALVE
- REDUCER
- LIGHT POLE
- LIGHT WALL PACK
- LIGHTED BOLLARD
- POST AND LUMINAIRE
- SANITARY MANHOLE
- TELEPHONE MANHOLE
- TELEPHONE PEDESTAL
- ELECTRIC TRANSFORMER
- TRAFFIC SIGNAL CONTROL BOX
- UTILITY POLE
- UTILITY POLE W/ LIGHT
- UTILITY POLE W/ GUY WIRE
- GAS VALVE
- ELECTRIC MANHOLE

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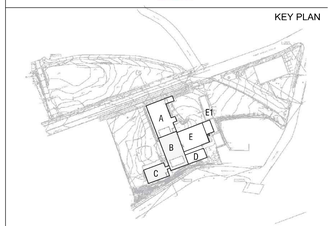
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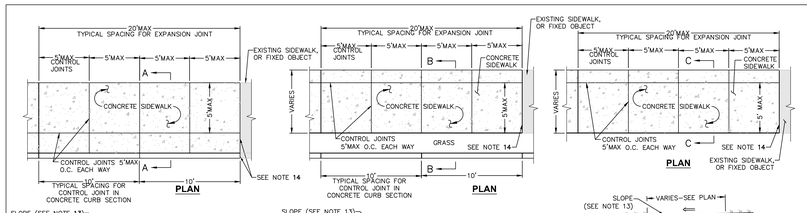
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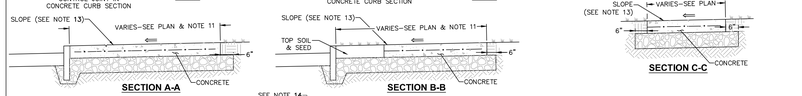
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PRELIMINARY
UTILITY PLAN - SOUTH

TRUE NORTH

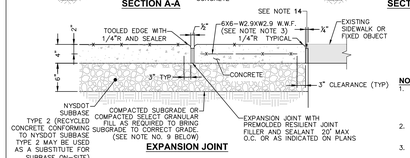
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AS NOTED



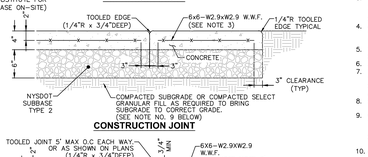


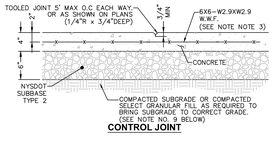






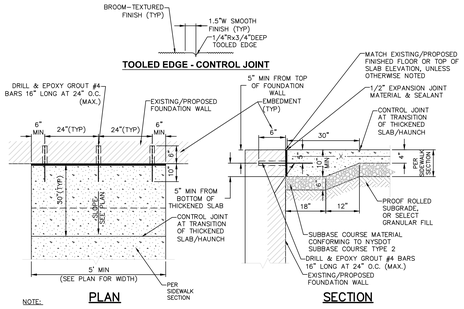




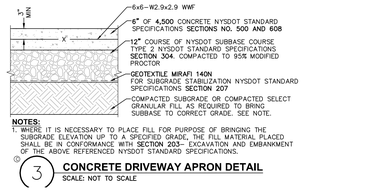

① **CONCRETE SIDEWALK DETAIL**
SCALE: NOT TO SCALE

**NOTES:**
1. MATERIAL AND METHODS OF CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION (NYSDOT) STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, DATED "CURRENT VERSION", AND ALL ADDENDA THERE TO.
2. ALL CONCRETE SHALL BE **4,500** CONCRETE, CONCRETE MATERIALS, PLACEMENT, AND CONSTRUCTION SHALL CONFORM WITH **SECTION 500** OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS.
3. REINFORCING STEEL FOR CONCRETE SHALL CONFORM WITH SECTION 556 – REINFORCING STEEL FOR CONCRETE STRUCTURES OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS AND AS SPECIFICALLY CALLED OUT IN THE DRAWINGS.
4. ALL EXPOSED SURFACES SHALL HAVE A BROOM TEXTURED FINISH & TOOLED EDGES. TOOL SHALL PROVIDE MAX 1-1/2" WIDE SMOOTH TROWEL FINISH AT JOINT.
5. EXPANSION JOINTS SHALL BE LOCATED A MAXIMUM OF 20' ON CENTER, OR AS INDICATED ON PLANS.
6. JOINTS SHALL NOT BE SAW CUT.
7. EXPOSED CONCRETE SURFACES SHALL BE TREATED WITH **"SUREBOND" 1100 RESIN-BASED, WATER EMULSION CONCRETE CURING COMPOUND,** OR EQUAL. RATE AND METHOD OF APPLICATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
8. SUBBASE MATERIAL SHALL CONFORM WITH **SECTION 304** OF THE ABOVE REFERENCED NYSDOT STANDARD.
9. WHERE IT IS NECESSARY TO PLACE FILL FOR PURPOSE OF BRINGING THE SUBGRADE ELEVATION UP TO A SPECIFIED GRADE, THE FILL MATERIAL PLACED SHALL BE IN ACCORDANCE WITH SECTION 203–EXCAVATION AND EMBANKMENT OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS.
10. ALL WORK SHALL CONFORM WITH **SECTION 608**–SIDEWALK, DRIVEWAYS, AND BICYCLE PATHS OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS.
11. ALL WORK SHALL CONFORM WITH AASHTO GEOMETRIC DESIGN OF HIGHWAYS AND STREET 2011, ICC A117.1 2009, OR LATEST EDITION.
12. SIDEWALK WIDTH SHOWN ON THE PLANS IS TO BE MEASURED FROM THE BACK OF THE CURB.
13. SIDEWALKS SHALL HAVE A CROSS SLOPE OF 1.5% MAX. UNLESS OTHERWISE NOTED ON PLAN.
14. INSTALL EXPANSION JOINT WITH PREMOLDED RESILIENT JOINT FILLER & SEALANT AT ALL EXISTING SIDEWALKS, CURBS, FIXED OBJECTS, ETC., INCLUDING THOSE PLACED ON PREVIOUS DAYS.



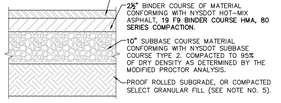

NOTE:
1. THICKENED (HAUNCH) & ADDITIONALLY REINFORCED CONCRETE SIDEWALK ENDS ARE REQUIRED AT ALL EXISTING/PROPOSED BUILDING ENTRANCES.
2. SEE CONCRETE SIDEWALK DETAIL FOR ADDITIONAL DETAILS & NOTES.

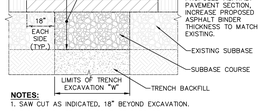
② **CONCRETE SIDEWALK AT BUILDING ENTRANCES**
SCALE: NOT TO SCALE




**NOTES:**
1. WHERE IT IS NECESSARY TO PLACE FILL FOR PURPOSE OF BRINGING THE SUBGRADE ELEVATION UP TO A SPECIFIED GRADE, THE FILL MATERIAL PLACED SHALL BE IN CONFORMANCE WITH **SECTION 203**– EXCAVATION AND EMBANKMENT OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS.

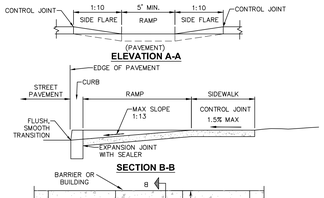
③ **CONCRETE DRIVEWAY APRON DETAIL**
SCALE: NOT TO SCALE



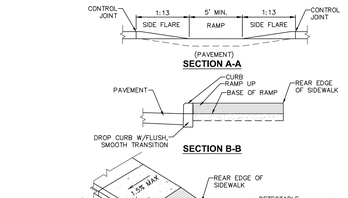

**NOTES:**
1. MATERIALS AND METHODS OF CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION (NYSDOT) STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, DATED **"CURRENT VERSION"**, AND ALL ADDENDA THERE TO.
2. SUBBASE MATERIAL SHALL CONFORM WITH **SECTION 304** – SUBBASE COURSE OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS AND THE TYPE CALLED OUT IN THESE DRAWINGS.
3. HOT MIX ASPHALT (HMA) PAVEMENT SHALL CONFORM WITH **SECTION 400**–HOT MIX ASPHALT OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS AND THE TYPE CALLED OUT IN THESE DRAWINGS. ALTHOUGH **SECTION 400** IN ITS ENTIRETY IS REFERENCED, THE HOT MIX ASPHALT (HMA) PAVEMENT(S) SPECIFIED FOR THIS CONTRACT SHALL BE AS SPECIFIED UNDER **SECTION 402**–HOT MIX ASPHALT (HMA) PAVEMENTS.
4. TACK COAT WHEN SPECIFIED OR CALLED OUT IN THESE DRAWINGS OR REQUIRED BY THE REFERENCED SPECIFICATIONS SHALL CONFORM WITH **SECTION 407**–TACK COAT OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS.
5. WHERE IT IS NECESSARY TO PLACE FILL FOR PURPOSES OF BRINGING THE SUBGRADE ELEVATION UP TO A SPECIFIED GRADE, THE FILL MATERIAL PLACED SHALL BE IN CONFORMANCE WITH **SECTION 203**–EXCAVATION AND EMBANKMENT OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS.
6. PAVEMENT SECTION SHOWN IS PRELIMINARY. PRIOR TO BIDDING AND COMMENCEMENT OF CONSTRUCTION, THE FINAL DESIGN OF THE PAVEMENT SECTION MUST BE PREPARED BY A NYS LICENSED PROFESSIONAL ENGINEER AND MUST BE BASED ON A CURRENT GEOTECHNICAL REPORT PREPARED FOR THIS PROJECT.

⑨ **TRENCH SURFACE RESTORATION IN ASPHALT PAVEMENT**
SCALE: NOT TO SCALE




**NOTES:**
1. ALL WORK SHALL CONFORM WITH THE NYSDOT STANDARD SPECIFICATION FOR CONSTRUCTION AND MATERIALS DATED, **"CURRENT VERSION"**, AND ALL ADDENDA THERE TO; SPECIFICALLY **SECTION 608**– SIDEWALKS, DRIVEWAYS, AND BICYCLE PATHS.
2. SLOPE RAMP AND SIDE FLARES AS INDICATED IN THE PLANS OR AS ORDERED BY THE ENGINEER.
3. DETECTABLE WARNING UNITS SHALL BE PROVIDED ON ALL RAMPS IN ACCORDANCE W/ ADA REQUIREMENTS.
4. WHERE THIS DIMENSION IS LESS THAN 4'–0", THE SIDE FLARES SHALL HAVE A SLOPE OF 1:13 OR FLATTER.

④ **PEDESTRIAN RAMP WITH FLARED SLOPES**
SCALE: NOT TO SCALE

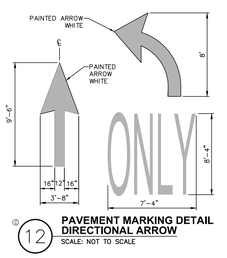



**NOTES:**
1. ALL WORK SHALL CONFORM WITH THE NYSDOT STANDARD SPECIFICATION FOR CONSTRUCTION AND MATERIALS DATED, **"CURRENT VERSION"**, AND ALL ADDENDA THERE TO; SPECIFICALLY **SECTION 608**– SIDEWALKS, DRIVEWAYS, AND BICYCLE PATHS.
2. SLOPE RAMP AND SIDE FLARES AS INDICATED IN THE PLANS OR AS ORDERED BY THE ENGINEER.
3. DETECTABLE WARNING UNITS SHALL BE PROVIDED ON ALL RAMPS IN ACCORDANCE W/ ADA REQUIREMENTS.

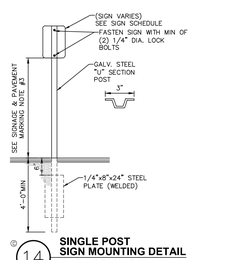
⑤ **PEDESTRIAN RAMP SECTION - DROP CURB**
SCALE: NOT TO SCALE

**STRIPING NOTES:**
1. ALL STRIPING SHALL CONFORM TO THE LATEST EDITION OF THE NYSDOT STANDARD SPECIFICATIONS, **SECTION 640** AND THE "NATIONAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" – **2009 EDITION** AND THE "NYS SUPPLEMENT."
2. STRIPE PAVEMENT AS INDICATED ON THE PLANS AND/OR IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REQUIREMENTS.
3. STRIPING WORK WILL BE REVIEWED AND ACCEPTED BY THE AUTHORITY HAVING JURISDICTION.
4. COLOR: DRIVE LANE DIVIDERS – WHITE OR AOBE
NO PARKING ZONE WARNINGS – WHITE OR AOBE
PARKING DIVIDERS – WHITE OR AOBE.
WALKING LINES – WHITE OR AOBE
ACCESSIBLE PARKING LINES & SYMBOL – BLUE

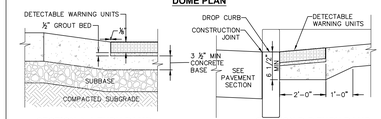
**SIGNAGE NOTES:**
1. ALL SIGNS SHALL CONFORM TO THE LATEST EDITION OF THE NYSDOT STANDARD SPECIFICATIONS, **SECTION 645** AND THE "NATIONAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" – **2009 EDITION** AND THE "NYS SUPPLEMENT."
2. SIGN MOUNTING HEIGHT SHALL BE A MINIMUM OF 7'. MINIMUM MOUNTING HEIGHT MAY BE ADJUSTED ONLY IN ACCORDANCE WITH PROVISIONS OUTLINED IN THE "NATIONAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" – **2009 EDITION** AND THE "NYS SUPPLEMENT."
3. SIGN POST SHALL BE IN ACCORDANCE W/ NYSDOT STANDARD SPECS **SECTION 730.**




⑫ **PAVEMENT MARKING DETAIL DIRECTIONAL ARROW**
SCALE: NOT TO SCALE




⑭ **SINGLE POST SIGN MOUNTING DETAIL**
SCALE: NOT TO SCALE




**SECTION A-A THRU RAMP**

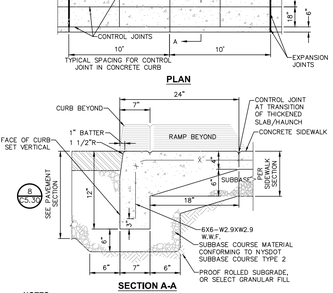



**SECTION B-B THRU RAMP**

**NOTES:**
1. COORDINATE W/ OWNER FOR COLOR.
2. DETECTABLE WARNING UNIT SHALL BE ADA COMPLIANT, AND SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES.
3. MATERIALS: UNIT SHALL BE 24-INCH DETECTABLE WARNING ADA PAVERS, DOME STRAIGHT ROW SPACING PATTERN ADA-2 OR ADA-3, ADA COMPLIANT WARNING PAVER AS MANUFACTURED BY WAUSAU TILE OR CAST IRON, CAST IN PLACE ADA COMPLIANT WARNING PLATE A MANUFACTURED BY TRUNTILE OR EQUAL.

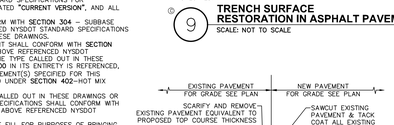
**ALTERNATIVE NOTE 3: SEE SPECIFICATION SECTION 32000000X FOR DETECTABLE WARNING ADA PAVERS.**

⑥ **DETECTABLE WARNING UNITS FOR RAMPS**
SCALE: NOT TO SCALE

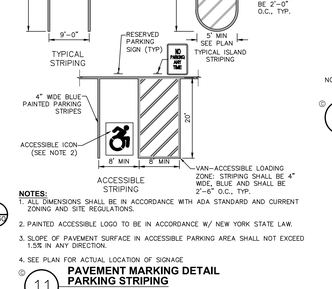



**NOTES**
1. CONCRETE CURB SHALL BE INSTALLED IN ACCORDANCE WITH NYSDOT STANDARD SPECIFICATION **SECTION 609.**
2. SEE CONCRETE SIDEWALK DETAIL FOR ADDITIONAL DETAILS & NOTES.

⑦ **INTEGRAL CONCRETE CURB & SIDEWALK @ DROP CURB**
SCALE: NOT TO SCALE




⑧ **PAVEMENT SECTION DETAIL**
SCALE: NOT TO SCALE

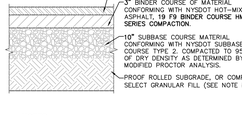



**NOTES:**
1. ALL DIMENSIONS SHALL BE IN ACCORDANCE WITH ADA STANDARD AND CURRENT ZONING AND SITE REGULATIONS.
2. PAINTED ACCESSIBLE LOGO TO BE IN ACCORDANCE W/ NEW YORK STATE LAW.
3. SLOPE OF PAVEMENT SURFACE IN ACCESSIBLE PARKING AREA SHALL NOT EXCEED 1.5% IN ANY DIRECTION.
4. SEE PLAN FOR ACTUAL LOCATION OF SIGNAGE

⑪ **PAVEMENT MARKING DETAIL PARKING STRIPING**
SCALE: NOT TO SCALE

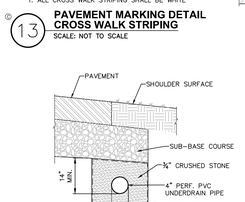



⑬ **PAVEMENT MARKING DETAIL CROSS WALK STRIPING**
SCALE: NOT TO SCALE

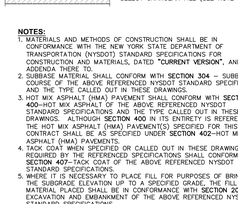



**NOTES:**
1. MATERIALS AND METHODS OF CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION (NYSDOT) STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, DATED **"CURRENT VERSION"**, AND ALL ADDENDA THERE TO.
2. SUBBASE MATERIAL SHALL CONFORM WITH **SECTION 304** – SUBBASE COURSE OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS AND THE TYPE CALLED OUT IN THESE DRAWINGS. ALTHOUGH **SECTION 400** IN ITS ENTIRETY IS REFERENCED, THE HOT MIX ASPHALT (HMA) PAVEMENT(S) SPECIFIED FOR THIS CONTRACT SHALL BE AS SPECIFIED UNDER **SECTION 402**–HOT MIX ASPHALT (HMA) PAVEMENTS.
3. TACK COAT WHEN SPECIFIED OR CALLED OUT IN THESE DRAWINGS OR REQUIRED BY THE REFERENCED SPECIFICATIONS SHALL CONFORM WITH **SECTION 407**–TACK COAT OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS.
4. WHERE IT IS NECESSARY TO PLACE FILL FOR PURPOSES OF BRINGING THE SUBGRADE ELEVATION UP TO A SPECIFIED GRADE, THE FILL MATERIAL PLACED SHALL BE IN CONFORMANCE WITH **SECTION 203**–EXCAVATION AND EMBANKMENT OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS.

⑩ **PAVEMENT TRANSITION DETAIL**
SCALE: NOT TO SCALE

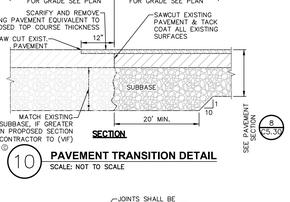



㉒ **UNDER DRAIN**
SCALE: NOT TO SCALE




**NOTES**
1. CONCRETE CURB SHALL BE INSTALLED IN ACCORDANCE WITH NYSDOT STANDARD SPECIFICATION **SECTION 609.**
2. PRECAST CONCRETE CURB MAY BE SUBSTITUTED, WHEN ALTERNATE CONSTRUCTION DETAILS ARE SUBMITTED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER. ALTERNATE CURB SHALL BE INSTALLED IN ACCORDANCE WITH NYSDOT SPEC **SECTION 609.**

⑰ **CAST IN PLACE CONCRETE CURB AT SIDEWALK**
SCALE: NOT TO SCALE




**NOTES**
1. CONCRETE CURB SHALL BE INSTALLED IN ACCORDANCE WITH NYSDOT STANDARD SPECIFICATION **SECTION 609.**
2. PRECAST CONCRETE CURB MAY BE SUBSTITUTED, WHEN ALTERNATE CONSTRUCTION DETAILS ARE SUBMITTED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER. ALTERNATE CURB SHALL BE INSTALLED IN ACCORDANCE WITH NYSDOT SPEC **SECTION 609.**

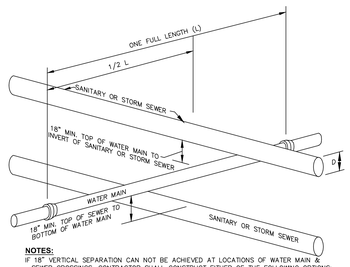
⑱ **CAST IN PLACE CONCRETE CURB**
SCALE: NOT TO SCALE




**NOTES:**
1. THE BOTTOM OF THE PRACTICE IS TO BE LEVEL TO EQUALIZE THE INFILTRATION RATE THROUGHOUT THE ENTIRE PRACTICE.
2. KEEP THE POROUS ASPHALT PAVEMENT FREE OF CONTAMINATION FROM THE CONSTRUCTION OPERATIONS. TAKE PRECAUTIONS AS NECESSARY SUCH AS WASHING TRUCK TIRES, INSTALLATION OF SILT FENCE, TARPS ON HEAVILY TRAVELED AREAS, ETC. STAGE THE PLACEMENT OF THE POROUS ASPHALT PAVEMENT AFTER THE SURROUNDING AREAS HAVE BEEN FINAL GRADED AND STABILIZED TO MINIMIZE POTENTIAL SEDIMENT LADEN WATER FROM REACHING THE PAVEMENT SURFACE.
3. ACCEPTABLE IN-PLACE DENSITY GAUGE READINGS AT EACH TEST LOCATION WILL BE BETWEEN 95% AND 105% OF THE PTD. ACCEPTABLE IN-PLACE DENSITIES OF THE PAVEMENT AS DETERMINED BY THE DENSITY GAUGE OPERATOR AND THE ENGINEER.
4. POROSITY TEST. ALLOW A MINIMUM OF 24 HOURS AFTER COMPLETION OF THE TOP COURSE, BEFORE TESTING. PERFORM A POROSITY TEST AT 3 LOCATIONS CHOSEN BY THE ENGINEER. AT EACH LOCATION, TEST THE POROSITY FOR A MINIMUM OF 3 MINUTES. THE TEST IS ACCOMPLISHED BY APPLYING CLEAN WATER AT A MEASURED RATE OF AT LEAST 5 GAL/MIN OVER THE SURFACE, USING A HOSE OR OTHER DISTRIBUTION DEVICE. WATER USED FOR THE TEST SHALL BE CLEAN, FREE FROM SUSPENDED SOLIDS AND DELETERIOUS MATERIALS AND WILL BE PROVIDED AT NO ADDITIONAL COST. ALL APPLIED WATER SHALL INFILTRATE DIRECTLY, WITHOUT PUDDLE FORMATION OR SURFACE RUNOFF, AND SHALL BE OBSERVED BY THE ENGINEER.

㉗ **POROUS PAVEMENT CROSS SECTION**
SCALE: NOT TO SCALE

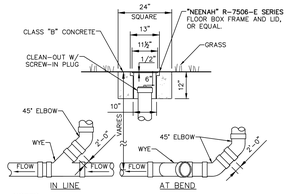

JOINTS SHALL BE IN ACCORDANCE WITH NYSDOT STANDARD SPEC SECTION 609-3.04
SIDEWALK GRADE
CURB
PAVEMENT
PLAN
1" BATTER
1/4"R (TYP.)
5"
¾"
EXPANSION JOINT WITH PREMOLDED RESILIENT JOINT FILLER & SEALANT, AT SIDEWALK
CONCRETE SIDEWALK
1 1/2"R
FACE OF CURB SET VERTICAL
6" REVEAL
SUBBASE
PER SIDEWALK SECTION
SEE PAVEMENT SECTION
12"
18"
6"
6"
6"
6"
SUBBASE COURSE MATERIAL CONFOR




**NOTES:**
IF 18" VERTICAL SEPARATION CAN NOT BE ACHIEVED AT LOCATIONS OF WATER MAIN & SEWER CROSSINGS, CONTRACTOR SHALL CONSTRUCT EITHER OF THE FOLLOWING OPTIONS:
1. CONSTRUCT SEWER OF PVC WATERWORKS GRADE PRESSURE PIPE MATERIAL 10' ON EACH SIDE OF THE WATER MAIN AND TEST TO 150PSI TO ASSURE TIGHTNESS.

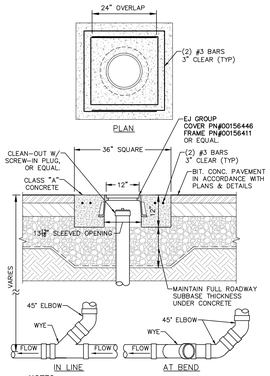
2.EITHER THE WATER MAIN OR THE SEWER LINE MAY BE ENCASED IN A WATER TIGHT CARRIER PIPE WHICH EXTENDS 10 FEET ON BOTH SIDES OF THE CROSSING. THE CARRIER PIPE SHALL BE OF MATERIAL APPROVED FOR THE USE IN WATER MAIN CONSTRUCTION.

## 1 SECTION WATER/SEWER SEPARATION REQUIREMENTS
SCALE: NOT TO SCALE



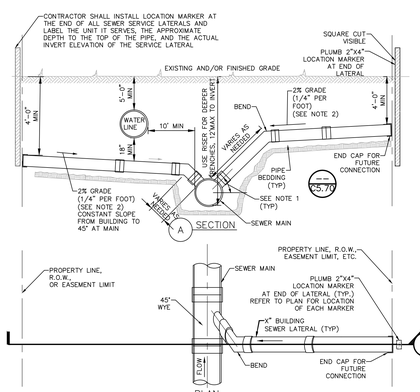

**NOTES:**
1. SEWER PIPE FITTINGS TO BE ASTM D-3033 OR D-3034 SDR-35.
2. TO BE USED FOR GRAVITY PORTION OF SANITARY SYSTEM AS WELL AS THE STORM ROOF DRAINAGE SYSTEM.

## 3 CLEAN OUT - NON TRAFFIC AREAS
SCALE: NOT TO SCALE



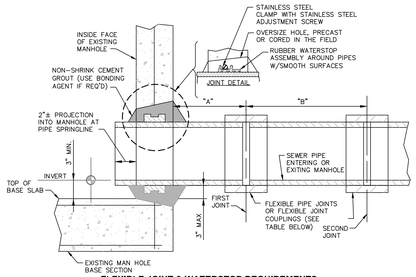

**NOTES:**
1. PIPE AND FITTINGS TO MATCH SERVICE LINE PER PLAN.
2. TO BE USED FOR GRAVITY PORTION OF SANITARY SYSTEM AS WELL AS THE STORM DRAINAGE SYSTEM.

## 2 CLEAN OUT - TRAFFIC AREAS
SCALE: NOT TO SCALE




**NOTES:**
1. OPTIMUM ANGLE IS 45°. THE ENGINEER MAY CALL FOR OTHER ANGLES TO SUIT JOB CONDITIONS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING THE SEWER LATERAL AS CONFIGURED AT THE SLOPE SPECIFIED, AND FOR ESTABLISHING THE ELEVATION AT THE TERMINATION POINT OF THE LATERAL. IF EXISTING UTILITIES OR OTHER FEATURES PREVENT INSTALLATION IN THAT MANNER, THE ENGINEER SHALL BE CONSULTED PRIOR TO INSTALLATION.

## 4 STANDARD SEWER SERVICE CONNECTION PLAN
SCALE: NOT TO SCALE

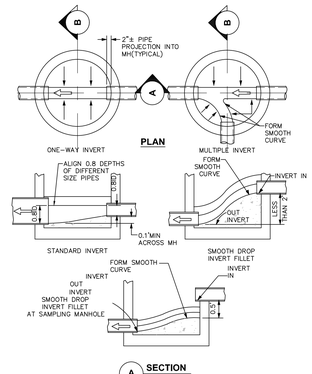



**FLEXIBLE JOINT & WATERSTOP REQUIREMENTS**

| SEWER PIPE TYPE | FLEXIBLE JOINT TYPE IN & OUT | "A"DISTANCE (FEET) | "B"DISTANCE (FEET) | MH WATER STOP REQD |
|---|---|---|---|---|
| DUCTILE IRON | STD RUBBER GASKET PIPE JOINT ONLY | 10'MAX | NO LIMIT | YES |
| PVC | SPECIAL FLEXIBLE JOINT COUPLING | 1'MAX | 3'MAX | YES |

**NOTES:**
1. THIS DETAIL SHALL BE USED AT NO EXTRA COST IN PLACE OF EITHER OF THE PIPE-TO-MANHOLE CONNECTION DETAILS ONLY WHEN CONNECTING TO EXISTING MANHOLES THAT HAVE NO FLEXIBLE RUBBER BOOT PROVIDED.
2. REFERENCE MANHOLE DETAIL(S) FOR REQUIRED INVERT CHANNEL CONFIGURATION.

## 5 PIPE CONNECTION TO EXISTING MANHOLE- CEMENT GROUT SEAL WITH WATER STOP
SCALE: NOT TO SCALE




**NOTE:**
INLET AND OUTLET OF PIPES SHOWN ON PLAN VIEW OF BASE ARE NOT NECESSARILY TYPICAL OF ALL MANHOLES. REFER TO UTILITY PLAN FOR INLET AND OUTLET DIRECTIONS.

## 6 INVERT, CHANNEL AND BENCHWALLS
SCALE: NOT TO SCALE

| REV No. | Description | ISSUE Date |
|---|---|---|
| 1. | PLANNING BOARD SUBMISSION | 08/02/21 |
| 2. | PLANNING BOARD SUBMISSION | 09/02/21 |
| 3. | PLANNING BOARD SUBMISSION | 10/05/21 |

NOTES


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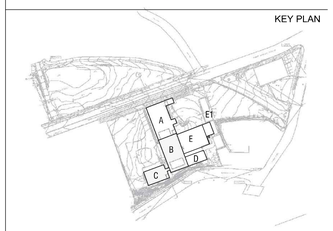
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WSDG
262 MARTIN AVE
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STAMP + SIGNATURE




KEY PLAN




MASS.

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NORTHSIDE JUNCTION LLC,
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POUGHKEEPSIE, NY, 12601

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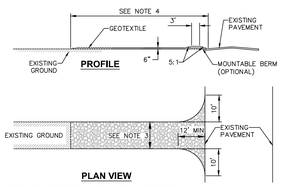
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SANITARY SEWER DETAILS

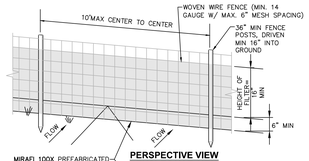
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PLAN VIEW

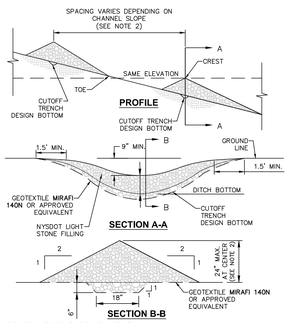



SECTION

NOTES:
1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL "T" OR "U" TYPE OR HARDWOOD.
2. FILTER FABRIC TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 6" MAX MESH OPENING.
3. WHEN TWO SECTIONS OF FILTER FABRIC ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY 6" AND FOLDED.
4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIALS REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.
5. MAXIMUM DRAINAGE AREA FOR OVERLAND FLOW TO A SILT FENCE SHALL NOT EXCEED 1/4 ACRE PER 100 FEET OF FENCE.
6. SILT FENCE SHALL BE USED WHERE EROSION COULD OCCUR IN THE FORM OF SHEET EROSION.
7. SILT FENCE SHALL NOT BE USED WHEN A CONCENTRATION OF WATER IS FLOWING TO THE BARRIER.
8. MAXIMUM ALLOWABLE SLOPE LENGTHS CONTRIBUTING RUN-OFF TO A SILT FENCE ARE:

| SLOPE STEEPNESS | MAXIMUM SLOPE LENGTH(FT) |
|---|---|
| 2:1 | 25 |
| 3:1 | 50 |
| 4:1 | 75 |
| 5:1 OR FLATTER | 100 |

① 1 **STABILIZED CONSTRUCTION ACCESS DETAIL**
SCALE: NOT TO SCALE

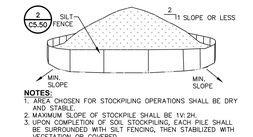



CONSTRUCTION SPECIFICATIONS:
1. STONE SHALL BE PLACED ON A FILTER FABRIC FOUNDATION TO THE LINES, GRADES AND LOCATIONS SHOWN ON THE PLAN.
2. SET SPACING OF CHECK DAMS IN ACCORDANCE W/ THE FOLLOWING:
   CHECK DAM SPACING INCREMENT 2'-6" DEEP DITCH/SWALE W/ 1'-9" HIGH CHECK DAM (SPACING = MAXIMUM DISTANCE BETWEEN TOE OF UPSTREAM DAM AND TOP OF DOWNSTREAM DAM)

| SLOPE: | SPACING: | SLOPE: | SPACING: |
|---|---|---|---|
| 0.5% | 300' | 6% | 29' |
| 1% | 175' | 7% | 25' |
| 2% | 87' | 8% | 21' |
| 3% | 58' | 9% | 19' |
| 4% | 44' | 10% | 17' |
| 5% | 35' | | |

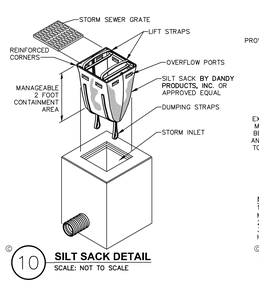
   CONTRACTOR TO ADJUST SPACING ACCORDINGLY BASED ON ACTUAL DEPTH & SLOPE OF DITCH.
3. EXTEND THE STONE A MINIMUM OF 1.5 FEET BEYOND THE DITCH BANKS TO PREVENT CUTTING AROUND THE DAM.
4. PROTECT THE CHANNEL DOWNSTREAM OF THE LOWEST CHECK DAM FROM SCOUR AND EROSION WITH STONE OR LINER AS APPROPRIATE.
5. ENSURE THAT CHANNEL APPURTENANCES SUCH AS CULVERT ENTRANCES BELOW CHECK DAM ARE NOT SUBJECT TO DAMAGE OR BLOCKAGE FROM DISPLACED STONE.
6. MAXIMUM DRAINAGE AREA IS 2 ACRES.

⑧ 8 **STONE CHECK DAM DETAIL**
SCALE: NOT TO SCALE

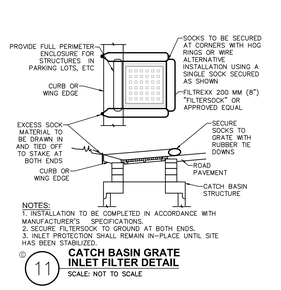



NOTES:
1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 1V:2H.
3. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH SILT FENCING, THEN STABILIZED WITH VEGETATION OR COVERED.
4. SEE SPECIFICATIONS FOR INSTALLATION OF SILT FENCE.

⑨ 9 **TEMPORARY SOIL STOCKPILE DETAIL**
SCALE: NOT TO SCALE

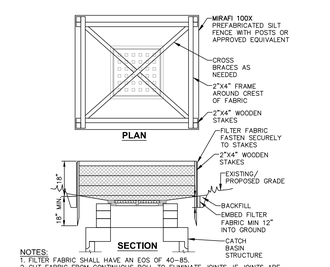



⑩ 10 **SILT SACK DETAIL**
SCALE: NOT TO SCALE




NOTES:
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. SECURE FILTERSOCK TO GROUND AT BOTH ENDS.
3. INLET PROTECTION SHALL REMAIN IN-PLACE UNTIL SITE HAS BEEN STABILIZED.

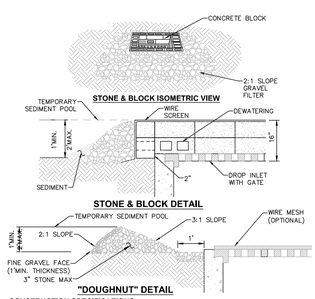
⑪ 11 **CATCH BASIN GRATE INLET FILTER DETAIL**
SCALE: NOT TO SCALE




SECTION

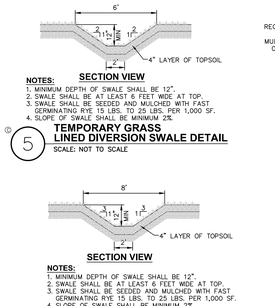
NOTES:
1. FILTER FABRIC SHALL HAVE AN EOS OF 40–85.
2. CUT FABRIC FROM CONTINUOUS ROLL TO ELIMINATE JOINTS. IF JOINTS ARE NEEDED, OVERLAP TO THE NEXT STAKE.
3. STAKE MATERIALS WILL BE STANDARD 2"x4" WOOD OR EQUIVALENT, WITH A MINIMUM LENGTH OF 3 FEET.
4. SPACE STAKES EVENLY AROUND INLET 3 FEET APART AND DRIVE MINIMUM 18" DEEP. SPANS GREATER THAN 3 FEET MAY BE BRIDGED WITH THE USE OF WIRE MESH BEHIND FABRIC FOR SUPPORT.
5. FABRIC SHALL BE EMBEDDED 1 FOOT MINIMUM BELOW GROUND AND BACKFILLED. IT SHALL BE SECURELY FASTENED TO THE STAKES AND FRAME.
6. A 2"x4" WOOD FRAME SHALL BE COMPLETED AROUND THE CREST OF THE FABRIC FOR OVERFLOW STABILITY.
7. MAXIMUM DRAINAGE AREA IS 1 ACRE.
8. INLET PROTECTION SHALL REMAIN IN-PLACE UNTIL SITE HAS BEEN STABILIZED.

③ 3 **TEMPORARY OUT OF PAVEMENT FILTER FABRIC DROP INLET PROTECTION DETAIL**
SCALE: NOT TO SCALE




CONSTRUCTION SPECIFICATIONS:
1. LAY ONE BLOCK ON EACH SIDE OF THE STRUCTURE ON ITS SIDE FOR DEWATERING. FOUNDATION SHALL BE 2 INCHES MINIMUM BELOW REST OF INLET AND BLOCKS SHALL BE PLACED AGAINST INLET FOR SUPPORT.
2. HARDWARE FABRIC OR 1/2" WIRE MESH SHALL BE PLACED OVER BLOCK OPENINGS TO SUPPORT STONE.
3. USE NYSDOT #4 CRUSHED STONE FILLING PLACED 2 INCHES BELOW TOP OF THE BLOCK ON A 2:1 SLOPE OR FLATTER.
4. FOR STONE STRUCTURES ONLY, A 1 FOOT THICK LAYER OF THE FILTER STONE WILL BE PLACED AGAINST THE 3 INCH STONE AS SHOWN ON THE DRAWINGS.
5. MAXIMUM DRAINAGE AREA IS 1 ACRE.
6. MAXIMUM DRAINAGE AREA IS 1 ACRE.

④ 4 **CATCH BASIN STONE AND BLOCK INLET PROTECTION DETAIL**
SCALE: NOT TO SCALE



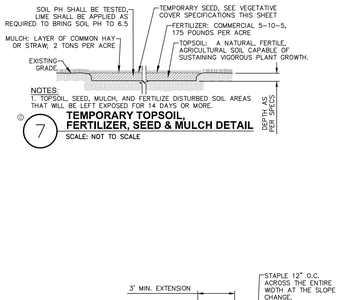

NOTES:
1. MINIMUM DEPTH OF SWALE SHALL BE 12".
2. SWALE SHALL BE AT LEAST 6 FEET WIDE AT TOP.
3. SWALE SHALL BE SEEDED AND MULCHED WITH FAST GERMINATING RYE 15 LBS. TO 25 LBS. PER 1,000 SF.
4. SLOPE OF SWALE SHALL BE MINIMUM 2%

⑤ 5 **TEMPORARY GRASS LINED DIVERSION SWALE DETAIL**
SCALE: NOT TO SCALE



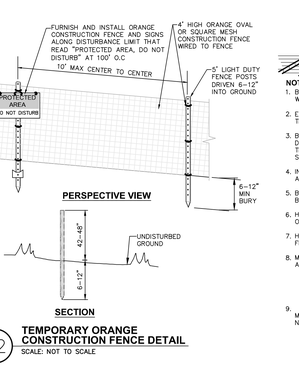

NOTES:
1. MINIMUM DEPTH OF SWALE SHALL BE 12".
2. SWALE SHALL BE AT LEAST 6 FEET WIDE AT TOP.
3. SWALE SHALL BE SEEDED AND MULCHED WITH FAST GERMINATING RYE 15 LBS. TO 25 LBS. PER 1,000 SF.
4. SLOPE OF SWALE SHALL BE MINIMUM 2%

⑥ 6 **PERMANENT GRASS LINED DIVERSION SWALE DETAIL**
SCALE: NOT TO SCALE

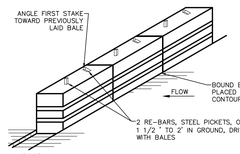



NOTES:
1. TOPSOIL, SEED, MULCH, AND FERTILIZE DISTURBED SOIL AREAS THAT WILL BE LEFT EXPOSED FOR 14 DAYS OR MORE.

⑦ 7 **TEMPORARY TOPSOIL, FERTILIZER, SEED & MULCH DETAIL**
SCALE: NOT TO SCALE




⑫ 12 **TEMPORARY ORANGE CONSTRUCTION FENCE DETAIL**
SCALE: NOT TO SCALE

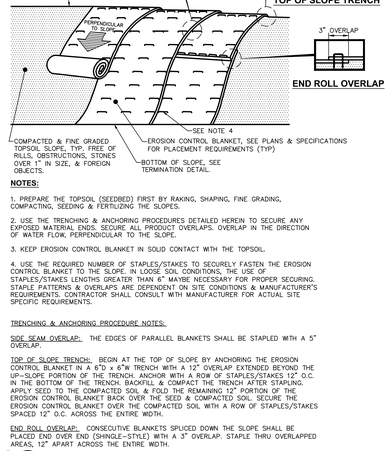



NOTES:
1. BALES SHALL BE PLACED AT THE TOE OF A SLOPE OR ON THE CONTOUR AND IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
2. EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF (4)INCHES AND PLACED SO THE BINDINGS ARE HORIZONTAL.
3. BALES SHALL BE SECURELY ANCHORED IN PLACE BY EITHER TWO STAKES OR RE-BARS DRIVEN THROUGH THE BALE. THE FIRST STAKE IN EACH BALE SHALL BE DRIVEN TOWARD THE PREVIOUSLY LAID BALE AT AN ANGLE TO FORCE THE BALES TOGETHER. STAKES SHALL BE DRIVEN FLUSH WITH THE BALE.
4. INSPECTION SHALL BE FREQUENT AND REPAIR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
5. BALES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.
6. HAY OR STRAW BALE DIKES SHALL BE USED WHERE EROSION COULD OCCUR IN THE FORM OF SHEET EROSION.
7. HAY OR STRAW BALE DIKES SHALL NOT BE USED WHEN A CONCENTRATION OF WATER IS FLOWING TO THE BARRIER.
8. MAXIMUM ALLOWABLE SLOPE LENGTHS CONTRIBUTING TO A HAY OR STRAW BALE DIKE ARE:

| SLOPE STEEPNESS | MAXIMUM SLOPE LENGTH(FT) |
|---|---|
| 2:1 | 25 |
| 3:1 | 50 |
| 4:1 | 75 |
| <4:1 | 100 |

9. MAXIMUM DRAINAGE AREA FOR OVERLAND FLOW TO A HAY OR STRAW BALE DIKE SHALL NOT EXCEED 0.25 ACRES PER 100 FEET OF DIKE FOR SLOPES < 25%.

⑬ 13 **HAY OR STRAW BALE DIKE DETAIL**
SCALE: NTS




NOTES:

1. PREPARE THE TOPSOIL (SEEDBED) FIRST BY RAKING, SHAPING, FINE GRADING, COMPACTING, SEEDING & FERTILIZING THE SLOPES.

2. USE THE TRENCHING & ANCHORING PROCEDURES DETAILED HEREIN TO SECURE ANY EXPOSED MATERIAL ENDS. SECURE ALL PRODUCT OVERLAPS. OVERLAP IN THE DIRECTION OF WATER FLOW, PERPENDICULAR TO THE SLOPE.

3. KEEP EROSION CONTROL BLANKET IN SOLID CONTACT WITH THE TOPSOIL.

4. USE THE REQUIRED NUMBER OF STAPLES/STAKES TO SECURELY FASTEN THE EROSION CONTROL BLANKET TO THE SLOPE. IN LOOSE SOIL CONDITIONS, THE USE OF STAPLES/STAKES LENGTHS GREATER THAN 6" MAYBE NECESSARY FOR PROPER SECURING. STAPLE PATTERNS & OVERLAPS ARE DEPENDENT ON SITE CONDITIONS & MANUFACTURER'S REQUIREMENTS. CONTRACTOR SHALL CONSULT WITH MANUFACTURER FOR ACTUAL SITE SPECIFIC REQUIREMENTS.

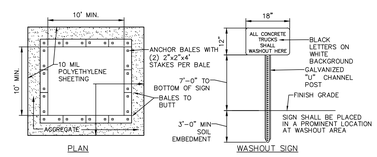
TRENCHING & ANCHORING PROCEDURE NOTES:

SIDE SEAM OVERLAP: THE EDGES OF PARALLEL BLANKETS SHALL BE STAPLED WITH A 5" OVERLAP.

TOP OF SLOPE TRENCH: BEGIN AT THE TOP OF SLOPE BY ANCHORING THE EROSION CONTROL BLANKET IN A 6"D x 6"W TRENCH WITH A 12" OVERLAP EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR WITH A ROW OF STAPLES/STAKES 12" O.C. IN THE BOTTOM OF THE TRENCH. BACKFILL & COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO THE COMPACTED SOIL & FOLD THE REMAINING 12" PORTION OF THE EROSION CONTROL BLANKET BACK OVER THE SEED & COMPACTED SOIL. SECURE THE EROSION CONTROL BLANKET OVER THE COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED 12" O.C. ACROSS THE ENTIRE WIDTH.

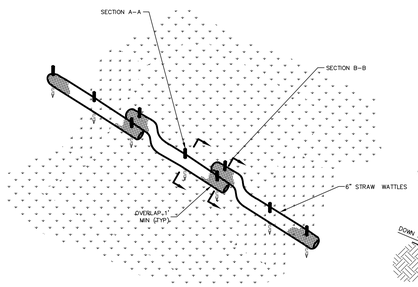
END ROLL OVERLAP: CONSECUTIVE BLANKETS SPLICED DOWN THE SLOPE SHALL BE PLACED END OVER END (SHINGLE-STYLE) WITH A 3" OVERLAP. STAPLE THRU OVERLAPPED AREAS, 12" APART ACROSS THE ENTIRE WIDTH.

⑭ 14 **EROSION CONTROL BLANKET INSTALLATION DETAIL**
SCALE: NTS



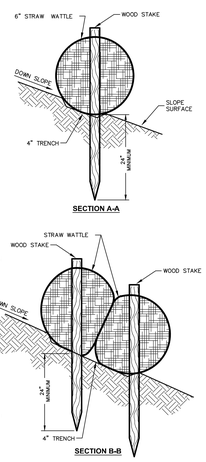

NOTES:
1. CONTAINMENT MUST BE STRUCTURALLY SOUND AND LEAK FREE AND CONTAIN ALL LIQUID WASTES.
2. CONTAINMENT DEVICES MUST BE OF SUFFICIENT QUANTITY OR VOLUME TO COMPLETELY CONTAIN THE LIQUID WASTES GENERATED.
3. WASHOUT MUST BE CLEANED OR NEW FACILITIES CONSTRUCTED AND READY TO USE ONCE WASHOUT IS 75% FULL. THIS INCLUDES REPLACEMENT OF THE 10 MIL POLYETHLENE SHEETING.
4. WASHOUT AREA(S) SHALL BE INSTALLED IN A LOCATION EASILY ACCESSIBLE BY CONCRETE TRUCKS.
5. ONE OR MORE AREAS MAY BE INSTALLED ON THE CONSTRUCTION SITE AND MAY BE RELOCATED AS CONSTRUCTION PROGRESSES.
6. AT LEAST WEEKLY, REMOVE ACCUMULATION OF SAND AND AGGREGATE AND DISPOSE OF PROPERLY.

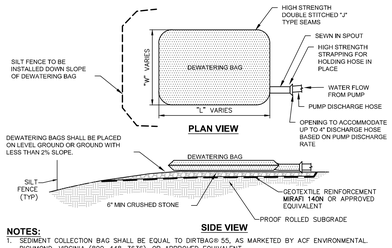
⑮ 15 **CONCRETE WASHOUT AREA DETAIL**
SCALE: NOT TO SCALE




STRAW WATTLE NOTES:
1. PLACE STRAW WATTLES AS INDICATED ON PLANS.
2. DIG SMALL TRENCHES ACROSS THE SLOPE ON CONTOUR TO PLACE ROLLS IN. START BUILDING TRENCHES AND INSTALL ROLLS FROM THE BOTTOM OF THE SLOPE AND WORK UP. IT IS CRITICAL THAT ROLLS ARE INSTALLED PERPENDICULAR TO WATER MOVEMENT, PARALLEL TO THE SLOPE CONTOUR. LAY THE ROLL ALONG THE TRENCHES FITTING IT SNUGLY AGAINST THE SOIL. MAKE SURE NO GAPS EXIST BETWEEN THE SOIL AND THE STRAW WATTLE.

⑯ 16 **STRAW WATTLE DETAIL**
SCALE: NOT TO SCALE

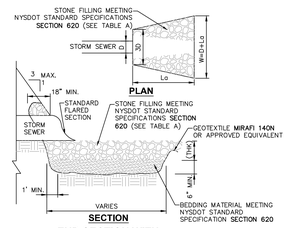



NOTES:
1. SEDIMENT COLLECTION BAG SHALL BE EQUAL TO DIRTBAG® 55, AS MARKETED BY ACF ENVIRONMENTAL. RICHMOND, VIRGINIA (800–448–3636), OR APPROVED EQUIVALENT.
2. SEDIMENT COLLECTION BAG SHALL BE A NONWOVEN BAG SEWN WITH HIGH STRENGTH THREAD. THE SEAMS SHALL BE HIGH STRENGTH, DOUBLE STITCHED, "J" TYPE SEAMS.
3. BAGS SHALL HAVE SEWN IN FILL SPOUT LARGE ENOUGH TO ACCOMMODATE UP TO A 4" DISCHARGE HOSE. FILL SPOUT SHALL HAVE HIGH STRENGTH STRAPPING TO HOLD HOSE IN PLACE AND PREVENT PUMPED WATER FROM ESCAPING WITHOUT BEING FILTERED.
4. SEDIMENT COLLECTION BAGS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS, OR AS DIRECTED BY THE ENGINEER.
5. SEDIMENT COLLECTED SHALL BE DISPOSED OF AT AN APPROPRIATE FACILITY.
6. SEDIMENT COLLECTION BAGS SHALL BE REMOVED AND REPLACED UNDER ANY OF THE FOLLOWING CONDITIONS:
   - WHEN BAGS ARE FULL.
   - WHEN BAGS HAVE BEEN IN PLACE FOR MORE THAN 30 DAYS (REMOVAL REQUIRED DUE TO ULTRAVIOLET DETERIORATION).
   - WHEN BAGS ARE DAMAGED.
4. ALL SEDIMENT COLLECTION BAGS SHALL BE INSPECTED DAILY BY THE CONTRACTOR.
5. CARE SHALL BE TAKEN DURING REMOVAL TO MINIMIZE LOSS OF ENTRAPPED SEDIMENT.

⑰ 17 **SEDIMENT COLLECTION DEWATERING BAG DETAIL**
SCALE: NOT TO SCALE

| STONE APRON SIZING REQUIREMENT - TABLE "A" | | | | | | |
|---|---|---|---|---|---|---|
| CULVERT DIA. (D) | CULVERT SLOPE, % | NYSDOT STANDARD STONE FILLING APRON MATERIAL | d50 | dMAX | MINIMUM APRON THICKNESS (IN) | MINIMUM OUTLET APRON LENGTH(FT) (Lo) |
| 12" | < 8<br>8–10 | LIGHT<br>MEDIUM | 6"<br>9"–12" | 9"<br>14"–18" | 18<br>24 | 10<br>10 |




⑱ 18 **END SECTION WITH STONE LINED APRON DETAIL**
SCALE: NOT TO SCALE

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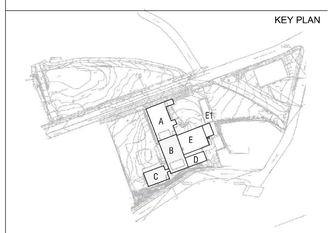
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STAMP + SIGNATURE




KEY PLAN




MASS.

Owner:
NORTHSIDE JUNCTION LLC,
1 CIVIC CENTER PLAZA STE 200
POUGHKEEPSIE, NY, 12601

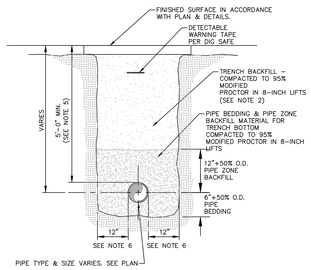
58 PARKER AVE
POUGHKEEPSIE NY 12601

PLANNING BOARD SUBMISSION

EROSION & SEDIMENT CONTROL DETAILS

TRUE NORTH

C5.50
AS NOTED




PIPE TYPE & SIZE VARIES. SEE PLAN

**NOTES:**

1. PIPE BEDDING & PIPE ZONE BACKFILL SHALL BE A NATURAL RUN–OF–BANK (R.O.B.) SAND OR A MIXTURE OF CRUSHED STONE AND GRAVEL, FREE OF SOFT, NONDURABLE PARTICLES, ORGANIC MATERIALS AND ELONGATED PARTICLES, AND SHALL BE WELL GRADED FROM FINE TO COARSE PARTICLES. BEDDING GRADATIONS SHALL BE APPROVED BY THE ENGINEER AND SHALL MEET THE FOLLOWING GRADATION REQUIREMENTS:

| SIEVE DESIGNATION | % PASSING |
|---|---|
| 3/4" | 100% |
| NO. 40 | 0–70% |
| NO. 200 | 0–10% |

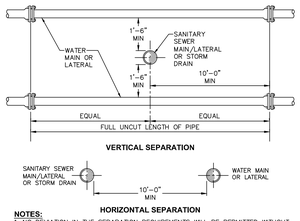
2. TRENCH BACKFILL SHALL BE A NATURAL RUN–OF–BANK (R.O.B.) OR PROCESSED GRAVEL, OR EXCAVATED MATERIAL FREE OF SOFT, NONDURABLE PARTICLES, ORGANIC MATERIALS AND ELONGATED PARTICLES, AND SHALL BE WELL GRADED FROM FINE TO COARSE PARTICLES. TRENCH BACKFILL GRADATIONS SHALL BE APPROVED BY THE ENGINEER AND SHALL MEET THE FOLLOWING GRADATION REQUIREMENTS:

| SIEVE DESIGNATION | % PASSING |
|---|---|
| 4" | 100% |
| NO. 40 | 0–70% |
| NO. 200 | 0–10% |

IN NON–TRAFFIC UNPAVED AREAS TRENCH BACKFILL CAN BE MATERIALS EXCAVATED FROM THE TRENCH AS APPROVED BY THE ENGINEER AND COMPACTED TO 90% MODIFIED PROCTOR.

3. INSTALL CONTINUOUS DETECTABLE MARKING TAPE DURING BACKFILLING OF TRENCH FOR UNDERGROUND PIPING. LOCATE TAPE 12" BELOW FINISHED GRADE, DIRECTLY OVER PIPING, EXCEPT 6" BELOW SUBGRADE UNDER PAVEMENTS & SLAB.
4. TRENCHING SHALL BE IMPLEMENTED IN ACCORDANCE WITH O.S.H.A. STANDARDS.
5. 5'–0" MIN COVER SHALL BE APPLIED TO WATER MAIN OR SANITARY SEWER FORCE MAINS ONLY.
6. WIDTH DIFFERS WHERE WATER LINE IS PLACED IN ROCK BELOW FIVE–FEET. REFER TO TECHNICAL SPECIFICATIONS.

**1 PIPE TRENCH DETAIL (TYPICAL)**
SCALE: NOT TO SCALE




**NOTES:**

1. NO DEVIATION IN THE SEPARATION REQUIREMENTS WILL BE PERMITTED WITHOUT THE EXPRESS APPROVAL OF THE NYS HEALTH DEPARTMENT. OFFSETTING OF WATERLINE SHALL BE REQUIRED WHERE SEPARATION DISTANCES CANNOT BE MAINTAINED.
2. WHEN IT IS IMPOSSIBLE TO OBTAIN VERTICAL SEPARATION AS INDICATED ABOVE, BOTH THE WATER MAIN AND THE SEWER MAIN SHALL BE CONSTRUCTED OF MECHANICAL JOINT, DUCTILE IRON PIPE OR PVC WATER WORKS GRADE PRESSURE PIPE FOR 10' EACH SIDE OF CROSSING AND SHALL BE PRESSURE TESTED TO **150psi** TO ASSURE WATER TIGHTNESS.

**2 SANITARY/STORM SEWER AND WATERMAIN SEPARATION DETAIL**
SCALE: NOT TO SCALE

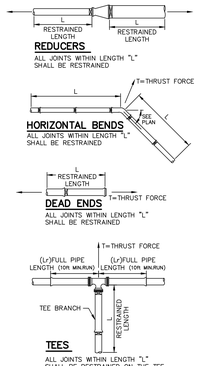
SCHEDULE OF JOINT RESTRAINT– (PVC OR POLYWRAPPED DIP)
(LENGTH OF PIPE EACH SIDE OF FITTING TO BE RESTRAINED IN FEET "L")

| PIPE SIZE (INCHES) | FITTING TYPE 90° | 45° | 22½ | 11¼ | TEE | VALVE | REDUCER 24" | 18" | 16" | 14" | 12" | 10" | 8" | 6" | 4" |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30" | 241 | 100 | 48 | 24 | 202 | 206 | 206 | 72 | 130 | 145 | 159 | | | | |
| 24" | 196 | 82 | 39 | 20 | 163 | 166 | 166 | | 72 | 91 | 108 | 123 | 136 | | |
| 18" | 149 | 62 | 30 | 15 | 122 | 125 | 125 | | | 26 | 49 | 68 | 85 | 99 | |
| 16" | 134 | 56 | 27 | 14 | 109 | 112 | 112 | | | | 26 | 48 | 67 | 82 | 95 |
| 14" | 118 | 49 | 24 | 12 | 95 | 98 | 98 | | | | | 26 | 47 | 64 | 79 | 89 |
| 12" | 102 | 43 | 21 | 11 | 82 | 85 | 85 | | | | | | 25 | 45 | 62 | 74 |
| 10" | 86 | 36 | 17 | 9 | 68 | 71 | 71 | | | | | | | 25 | 44 | 58 |
| 8" | 71 | 30 | 15 | 7 | 56 | 59 | 59 | | | | | | | | 25 | 43 |
| 6" | 54 | 22 | 11 | 6 | 41 | 44 | 44 | | | | | | | | | 23 |
| 4" | 38 | 16 | 8 | 4 | 28 | 31 | 31 | | | | | | | | | |

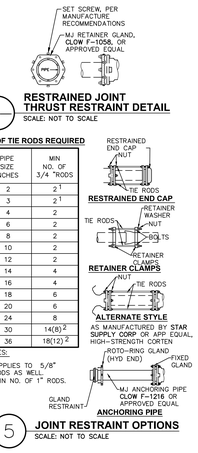
**NOTES:**

1. THE LENGTH OF PIPE REQUIRING RESTRAINT IS BASED UPON THE FOLLOWING ASSUMPTIONS:
   A. BEDDING TYPE 2 – FLAT BOTTOM TRENCH, BACKFILL LIGHTLY CONSOLIDATED TO CENTER LINE OF PIPE.
   B. SOIL TYPE CLAY 1 – CLAY OF MEDIUM TO LOW PLASTICITY, LL<50, <25% COURSE PARTICLES [CL & CL–ML]
      CL – INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY GRAVELY CLAYS, SANDY CLAYS, SILTY CLAYS. LEAN CLAYS
      ML – INORGANIC SILTS, VERY FINE SAND, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS.
   C. PIPE TABLE CALCULATION IS BASED ON PVC OR POLYWRAPPED DIP
   D. DEPTH TO TOP OF PIPE 5'–0" MINIMUM
   E. MAXIMUM OPERATING PRESSURE OF 150 PSI
   F. FACTOR OF SAFETY OF 1.5
2. FOR END PLUGS, USE RESTRAIN PIPE LENGTH GIVEN FOR DEAD END FITTING.
3. THE LENGTH ("L") OF NEW PIPE TO BE RESTRAINED IS THE LENGTH FOR EACH SIDE OF THE FITTING.
4. THE ABOVE INFORMATION WAS PROVIDED USING THE THRUST RESTRAINT PROGRAM ISSUED BY THE DUCTILE IRON PIPE RESEARCH ASSOCIATION (DIPRA) AND IS BASED ON THE ASSUMPTIONS LISTED IN NOTE 1. RESTRAINED LENGTH REQUIREMENTS FOR FIELD CONDITIONS AND PIPE SIZES DIFFERING FROM THOSE LISTED ABOVE SHOULD BE EVALUATED SEPARATELY.
5. RESTRAINED JOINT PIPE AND FITTINGS SHALL BE USED ONLY AS ALLOWED BY THE PROJECT PLANS AND/OR SPECIFICATION. (IF THRUST BLOCKS ARE USED SEE THRUST BLOCK DETAIL)
6. TEE FITTINGS: PIPE SIZE SHOWN FOR THE TEE IS THE SIZE OF THE RUN. THE RESTRAINED LENGTH SHOWN IS FOR THE BRANCH. THE VALUE OF THE RESTRAINED LENGTH ASSUMES THAT THE SIZE OF THE BRANCH IS EQUAL TO OR LESS THAN THE RUN. THE VALUE OF THE L=×USED IN THE TABLE IS TO FEET. (L=× TOTAL LENGTH BETWEEN FIRST JOINTS ON EITHER SIDE OF THE TEE ON THE RUN.)

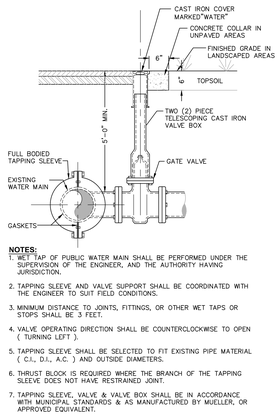
**3 JOINT RESTRAINT SCHEDULE AND NOTES**
SCALE: NOT TO SCALE




**4 RESTRAINED JOINT PIPE DIAGRAMS**
SCALE: NOT TO SCALE



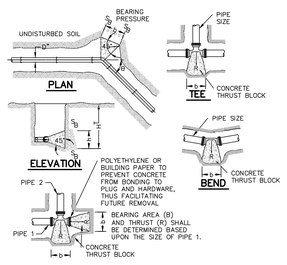

**5 JOINT RESTRAINT OPTIONS**
SCALE: NOT TO SCALE




**NOTES:**

1. WET TAP OF PUBLIC WATER MAIN SHALL BE PERFORMED UNDER THE SUPERVISION OF THE ENGINEER, AND THE AUTHORITY HAVING JURISDICTION.
2. TAPPING SLEEVE AND VALVE SUPPORT SHALL BE COORDINATED WITH THE ENGINEER TO SUIT FIELD CONDITIONS.
3. MINIMUM DISTANCE TO JOINTS, FITTINGS, OR OTHER WET TAPS OR STOPS SHALL BE 3 FEET.
4. VALVE OPERATING DIRECTION SHALL BE COUNTERCLOCKWISE TO OPEN ( TURNING LEFT ).
5. TAPPING SLEEVE SHALL BE SELECTED TO FIT EXISTING PIPE MATERIAL ( C.I., D.I., A.C. ) AND OUTSIDE DIAMETERS.
6. THRUST BLOCK IS REQUIRED WHERE THE BRANCH OF THE TAPPING SLEEVE DOES NOT HAVE RESTRAINED JOINT.
7. TAPPING SLEEVE, VALVE & VALVE BOX SHALL BE IN ACCORDANCE WITH MUNICIPAL STANDARDS & AS MANUFACTURED BY MUELLER, OR APPROVED EQUIVALENT.

**6 TAPPING SLEEVE AND VALVE DETAIL**
SCALE: NOT TO SCALE




BEARING AREA (B) AND THRUST (R) SHALL BE DETERMINED BASED UPON THE SIZE OF PIPE 2.

**TEE WITH PLUG**

**REQUIRED BEARING AREAS –B (SQFT) FOR BEARING BLOCKS***

| PIPE SIZE (INCHES) | TEE | 90° BEND | 45° BEND | 22 1/2 ° 11 1/4 ° BEND |
|---|---|---|---|---|
| 4 | 2.0 | 2.8 | 1.5 | 0.8 0.4 |
| 6 | 4.2 | 5.9 | 3.2 | 1.6 0.8 |
| 8 | 7.2 | 10.1 | 5.5 | 2.8 1.4 |
| 10 | 10.9 | 15.4 | 8.3 | 4.2 2.1 |
| 12 | 15.4 | 21.8 | 11.8 | 6.0 3.0 |
| 14 | 20.6 | 29.1 | 15.8 | 8.0 4.0 |
| 16 | 26.8 | 37.9 | 20.5 | 10.4 5.2 |
| 18 | 33.6 | 47.5 | 25.7 | 13.1 6.6 |
| 20 | 41.2 | 58.2 | 31.5 | 16.1 8.1 |
| 24 | 58.8 | 83.1 | 45.0 | 22.9 11.5 |
| 30 | 90.5 | 128.0 | 69.2 | 35.3 17.7 |
| 36 | 129.6 | 183.3 | 99.1 | 50.5 25.4 |

*FACTOR OF SAFETY=1.5 SOIL BEARING OF 3,000 PSF 225 PSI DESIGN PRESSURE

*BEARING AREA (B) = b×h

**NOTES:**

1. CONCRETE SHALL NOT TO OVERLAP ANY JOINT.
2. THRUST BLOCKS SHALL BE CONFIGURED IN A MANNER THAT DOES NOT INTERFERE WITH REMOVAL OR INSTALLATION OF ANY JOINTING COMPONENTS.
3. FOR REDUCERS, USE MECHANICAL JOINT FITTINGS WITH RETAINER GLANDS.
4. BEARING SURFACE SHALL, WHERE POSSIBLE, BE PLACED AGAINST UNDISTURBED SOIL. WHERE THAT IS NOT POSSIBLE, THE FILL BETWEEN THE BEARING SURFACE AND UNDISTURBED SOIL MUST BE COMPACTED TO AT LEAST 90% STANDARD PROCTOR DENSITY.
5. BLOCK HEIGHT (h) SHALL BE EQUAL TO OR LESS THAN ONE–HALF THE TOTAL DEPTH TO THE BOTTOM OF THE BLOCK, (HT), BUT NOT LESS THAN THE PIPE DIAMETER (D).
6. BLOCK HEIGHT (h) SHALL BE ESTABLISHED SUCH THAT THE CALCULATED BLOCK WIDTH (b) VARIES BETWEEN ONE AND TWO TIMES THE HEIGHT.
7. VALUES FOR TEES APPLY TO TEES, END PLUGS, CAPS, AND TAPPING SLEEVES.
8. REQUIRED BEARING AREAS ARE DEVELOPED TO RESIST THRUSTS RESULTING FROM 150 PSI WORKING PRESSURE PLUS 50%(75 PSI) SURGE ALLOWANCE RESULTING IN 225 PSI TOTAL INTERNAL PRESSURE. REQUIRED BEARING AREAS ARE BASED UPON AN ALLOWABLE SOIL BEARING CAPACITY OF 3,000 POUNDS PER SQUARE FOOT. IN RESPONSE TO OTHER SOIL CONDITIONS ENCOUNTERED, BEARING AREAS REQUIRED MAY BE MODIFIED BY THE ENGINEER.

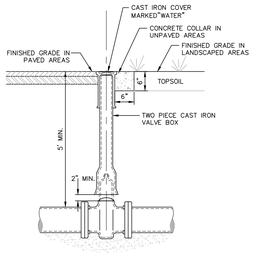
| SOIL | BEARING STRENGTH Sa (LB/SQ FT) |
|---|---|
| MUCK | 0 |
| SOFT CLAY | 1,000 |
| SILT | 1,500 |
| SANDY SILT | 3,000 |
| SAND | 4,000 |
| SANDY CLAY | 6,000 |
| HARD CLAY | 9,000 |

9. IN MUCK, PEAT, OR RECENTLY PLACED FILL, ALL THRUSTS SHALL BE RESISTED BY PILES OR TIE RODS TO SOLID FOUNDATIONS, OR BY REMOVAL OF SUCH UNSTABLE MATERIAL AND REPLACEMENT WITH BALLAST OF SUFFICIENT STABILITY TO RESIST THE THRUSTS; ALL AS REQUIRED BY THE ENGINEER.
10. CONCRETE THRUST BLOCK SHALL BE USED ONLY AS ALLOWED BY THE PROJECT PLANS AND/OR SPECIFICATION. (IF RESTRAINED JOINT PIPE IS TO BE USED SEE SCHEDULE OF JOINT RESTRAINED PIPE.)

**7 CONCRETE THRUST BLOCK DETAILS**
SCALE: NOT TO SCALE

**GENERAL CONSTRUCTION NOTES:**

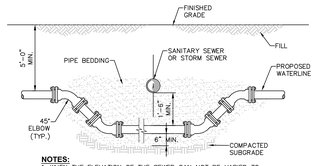
1. ALL UTILITY WORK INVOLVING CONNECTION TO EXISTING MUNICIPAL WATER MAIN SHALL BE COORDINATED WITH OWNER AND OWNER'S REPRESENTATIVE. NOTIFY OWNER AND THE OWNER'S REPRESENTATIVE 3 WORKING DAYS BEFORE CONNECTION IS MADE.
2. THE CONTRACTOR SHALL VERIFY THE PRESENCE OF AND EXACT LOCATION OF ALL UTILITIES PRIOR TO COMMENCING ANY EXCAVATION WORK AS THE EXACT LOCATION OF UTILITIES MAY DIFFER FROM THE LOCATION SHOWN, AND ADDITIONAL UTILITIES MAY EXIST.
3. THE CONTRACTOR SHALL REVIEW ALL FIELD UTILITY MARKOUT INFORMATION AND BRING ANY CONFLICTS TO THE ATTENTION OF THE PROJECT ENGINEER PRIOR TO COMMENCING ANY WORK OPERATIONS. TEST PITS MAY BE REQUIRED BY THE CONTRACTOR TO VERIFY ACTUAL UTILITY LOCATIONS AND/OR DEPTHS. TEST PIT OPERATIONS WILL MEET ALL NECESSARY REQUIREMENTS AS SET FORTH IN THESE PLANS, DETAILS, FEDERAL/STATE/LOCAL REGULATIONS AND ANY SPECIFIC PERMIT REQUIREMENTS.
4. THE CONTRACTOR SHALL PERFORM EXPLORATORY EXCAVATIONS AT ALL UTILITY CONNECTION LOCATIONS AND AS NEEDED TO VERIFY EXISTING CONDITIONS PRIOR TO PERFORMING WORK. THE CONTRACTOR SHALL NOTIFY THE OWNER AND OWNER'S REPRESENTATIVE 3 WORKING DAYS PRIOR TO SUCH EXCAVATIONS TO ENSURE THEIR PRESENCE.
5. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN EXCAVATING FOR THE PROPOSED STRUCTURES AND WATER LINES AS THE EXACT LOCATION OF UNDERGROUND STRUCTURES AND UTILITIES ARE NOT KNOWN. ANY DAMAGE TO EXISTING STRUCTURES/UTILITIES ABOVE OR BELOW GRADE, CAUSED BY THE CONTRACTOR SHALL BE REPAIRED IMMEDIATELY BY THE CONTRACTOR AT HIS OWN EXPENSE.




**NOTES:**

1. NON–RISING STEM GATE VALVE, OPERATING DIRECTION SHALL BE COUNTERCLOCKWISE TO OPEN.
2. MINIMUM DISTANCE TO JOINTS, FITTINGS, OR OTHER WET TAPS OR STOPS SHALL BE 3 FEET.
3. RESTRAIN VALVE WITH MEGALUG CONNECTION.
4. DIRECT BURY VALVE SHALL BE MODEL A–2360 RESILIENT WEDGE GATE VALVE WITH MECHANICAL JOINT ENDS AS MANUFACTURED BY MUELLER CO. OR APPROVED EQUIVALENT. VALVE SHALL COMPLY WITH AWWA C–509 AND NSF/ANSI 61 STANDARDS.
5. VALVE BOX SHALL BE 2–PIECE SLIDING TYPE WITH 5 ¼" SHAFT EXTENSION SERIES 6850 AS MANUFACTURED BY TYLER/UNION OR APPROVED EQUIVALENT.

**8 TYPICAL GATE VALVE DETAIL**
SCALE: NOT TO SCALE




**NOTES:**

1. WHEN THE ELEVATION OF THE SEWER CAN NOT BE VARIED TO MEET THE ABOVE REQUIREMENTS, THE WATER MAIN SHALL BE RELOCATED TO PROVIDE THIS REQUIRED SEPARATION.
2. WHEN IT IS IMPOSSIBLE TO OBTAIN VERTICAL SEPARATION AS INDICATED ABOVE, BOTH THE WATER MAIN AND THE SEWER MAIN SHALL BE CONSTRUCTED OF MECHANICAL JOINT DUCTILE IRON PIPE OR PVC WATER WORKS GRADE PRESSURE PIPE FOR 10' EACH SIDE OF CROSSING AND SHALL BE PRESSURE TESTED TO **150psi** TO ASSURE WATER TIGHTNESS.

**9 WATERLINE OFFSET DETAIL**
SCALE: NOT TO SCALE

| REV No. | Description | ISSUE Date |
|---|---|---|
| 1. | PLANNING BOARD SUBMISSION | 08/02/21 |
| 2. | PLANNING BOARD SUBMISSION | 09/02/21 |
| 3. | PLANNING BOARD SUBMISSION | 10/05/21 |

NOTES


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MEP Engineer
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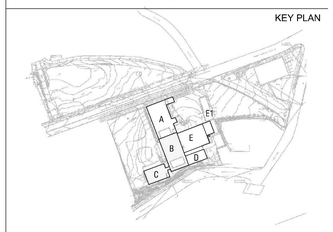
Lighting Consultant
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335 W 38TH STREET #1
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WSDG
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STAMP + SIGNATURE




KEY PLAN




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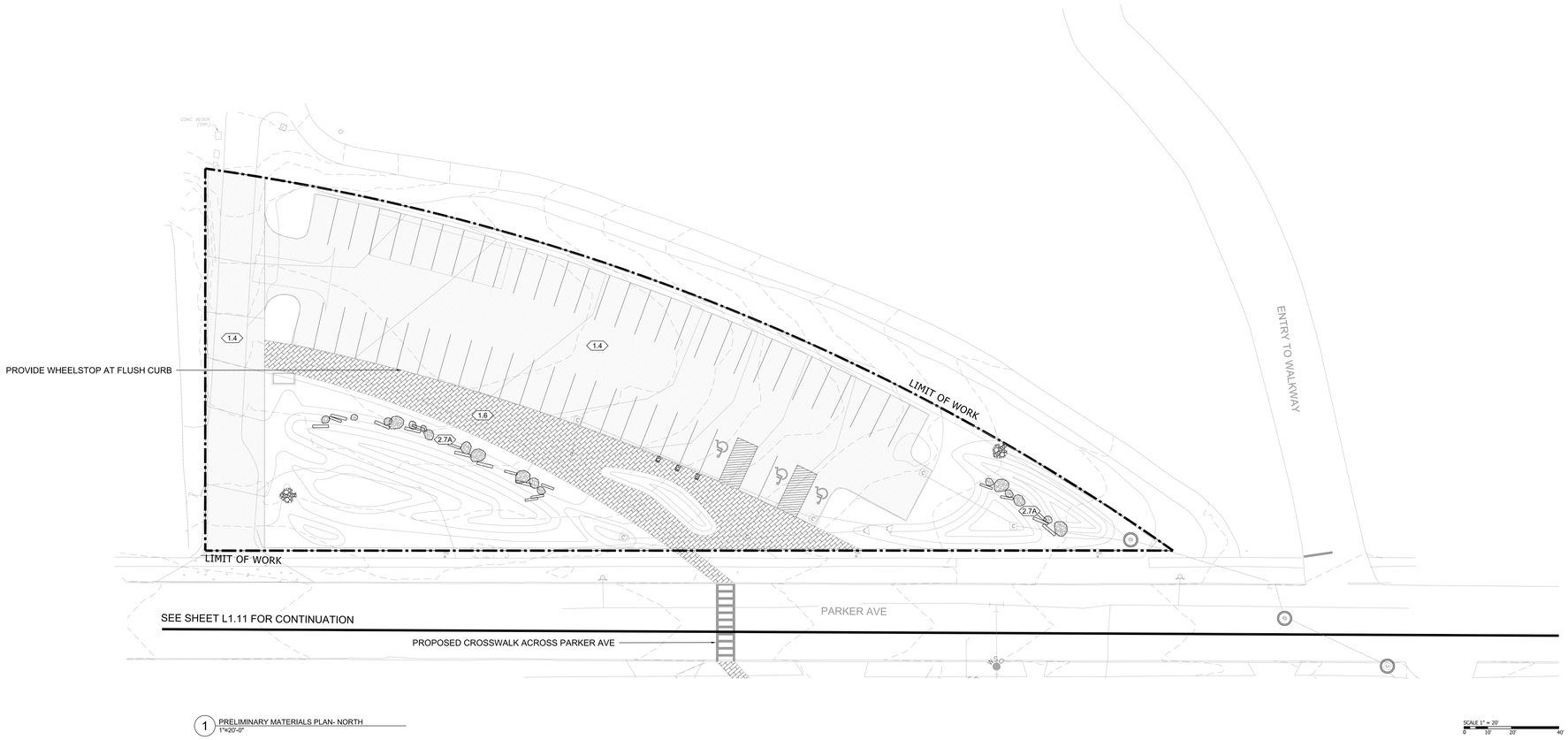
58 PARKER AVE
POUGHKEEPSIE NY 12601

PLANNING BOARD SUBMISSION

WATER SYSTEM DETAILS

TRUE NORTH

**C5.60**
AS NOTED




1 PRELIMINARY MATERIALS PLAN- NORTH
1"=20'-0"

SCALE 1" = 20'
0 10' 20' 40'

MATERIALS LEGEND

EXISTING UTILITIES
- CATCH BASIN
- DRAIN MANHOLE
- ELECTRIC MANHOLE
- TELEPHONE MANHOLE
- WATER MANHOLE
- SEWER MANHOLE
- LIGHT POLE

BOUNDARIES
- LIMIT OF WORK/ PROPERTY LINE

SURFACES & EDGES
- 1.1 NOT USED
- 1.2 NOT USED
- 1.3 METAL GRATING
- 1.4 PARKING LOT PAVING
- 1.5 PERMEABLE PAVING
- 1.6 LINEAR PAVING UNIT
- 1.7 WOOD DECKING
- 1.8 STANDARD CITY CONCRETE SIDEWALK
- 1.9 POURED IN PLACE CONCRETE

FURNISHING / SITE FEATURES
- 2.1A RECLAIMED TIMBER SEATING
- 2.1B RECLAIMED CONCRETE SEATING
- 2.2 CUSTOM RECLAIMED WOOD BLEACHER SEATING
- 2.3 MOVABLE TABLE AND CHAIR
- 2.4 OVERHEAD PHOTOVOLTAIC PANEL
- 2.5 ELECTRIC VEHICLE CHARGING STATION
- 2.6 NOT USED
- 2.7A ASSORTED RUBBLE PIECES, LARGE

REVISIONS

| No. | Description | Date |
|---|---|---|
| 001 | PLANNING BOARD | 08/02/2021 |

NOTES

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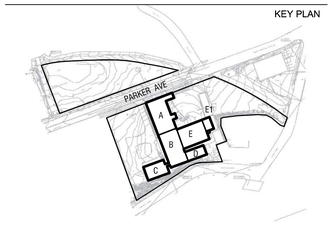
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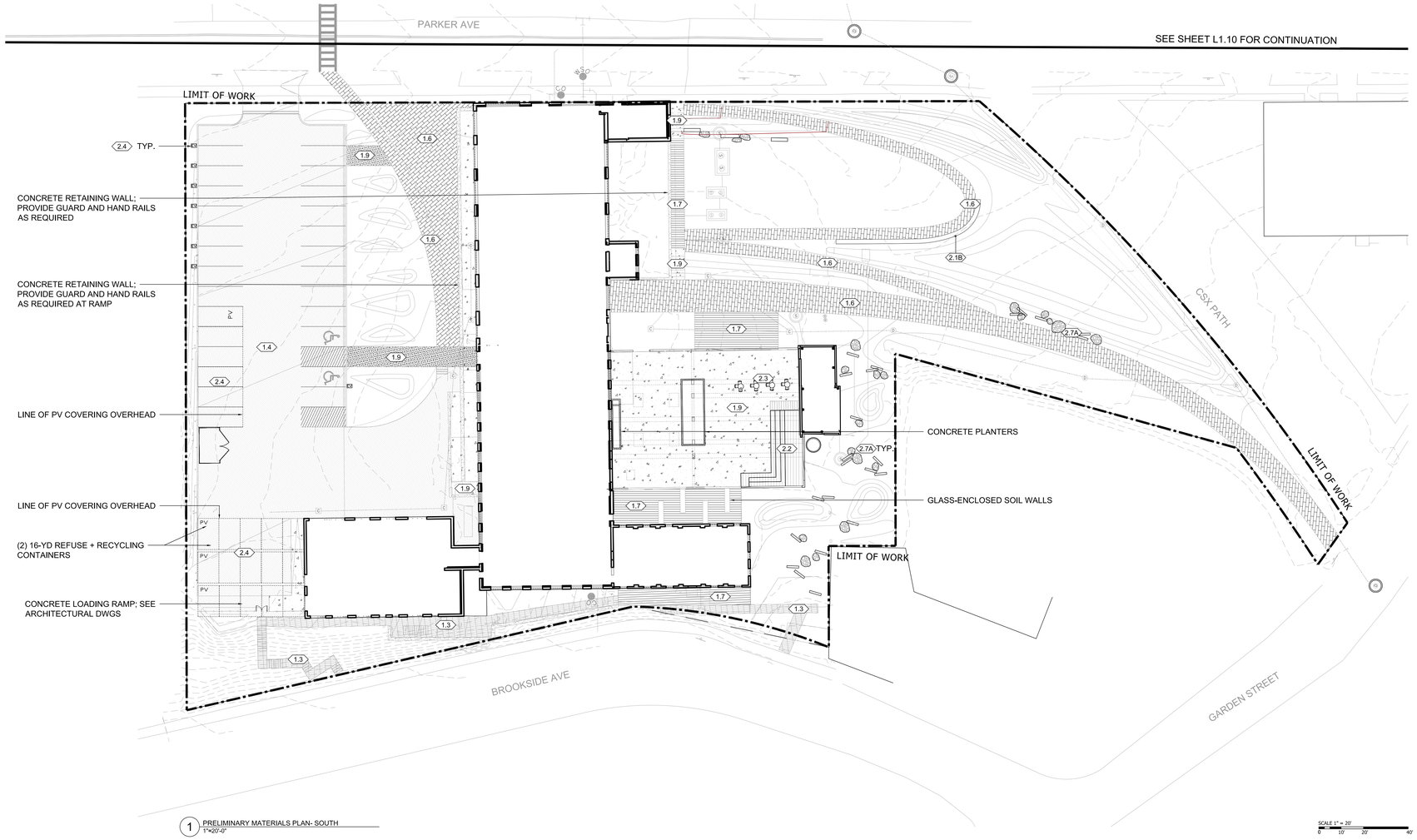
PLANNING BOARD SUBMISSION

02 AUGUST 2021

MATERIALS PLAN-
NORTH

TRUE NORTH

L1.10
1:20




1 PRELIMINARY MATERIALS PLAN- SOUTH
1"=20'-0"

SCALE 1" = 20'
0 10' 20' 40'

## MATERIALS LEGEND

EXISTING UTILITIES
- CATCH BASIN
- DRAIN MANHOLE
- ELECTRIC MANHOLE
- TELEPHONE MANHOLE
- WATER MANHOLE
- SEWER MANHOLE
- LIGHT POLE

BOUNDARIES
- LIMIT OF WORK/ PROPERTY LINE

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- 1.1 NOT USED
- 1.2 NOT USED
- 1.3 METAL GRATING
- 1.4 PARKING LOT PAVING
- 1.5 PERMEABLE PAVING
- 1.6 LINEAR PAVING UNIT
- 1.7 WOOD DECKING
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- 1.9 POURED IN PLACE CONCRETE

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- 2.4 OVERHEAD PHOTOVOLTAIC PANEL
- 2.5 ELECTRIC VEHICLE CHARGING STATION
- 2.6 NOT USED
- 2.7A ASSORTED RUBBLE PIECES, LARGE

REVISIONS

| No. | Description | Date |
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VANDERWEIL ENGINEERS
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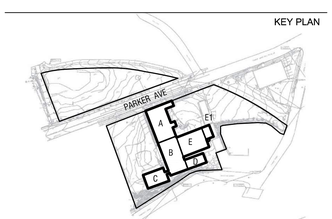
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STAMP + SIGNATURE




KEY PLAN




MASS.

Owner:
NORTHSIDE JUNCTION LLC,
1 CIVIC CENTER PLAZA STE 200
POUGHKEEPSIE, NY, 12601

58 PARKER AVE
POUGHKEEPSIE NY 12601

PLANNING BOARD SUBMISSION

02 AUGUST 2021

MATERIALS PLAN- SOUTH

TRUE NORTH

L1.11
1:20

## EXISTING TREE

| SYMBOL | CODE | QTY | SCIENTIFIC NAME | COMMON NAME | SIZE | NOTES |
|---|---|---|---|---|---|---|
| | - | - | - | - | - | EXISTING TREE TO BE PROTECTED IN PLACE |
| | - | - | - | - | - | EXISTING TREE TO BE REMOVED |

## TREE / LARGE SHRUB

### WEST PARKING LOT

| SYMBOL | CODE | QTY | SCIENTIFIC NAME | COMMON NAME | SIZE | NOTES |
|---|---|---|---|---|---|---|
| | CED | 7 | *Cedrus deodara* | DEODAR CEDAR | 4" CAL. | SINGLE STEM, BALL AND BURLAP |
| | COF | 12 | *Cornus florida* | FLOWERING DOGWOOD | 4" CAL. | SINGLE STEM, BALL AND BURLAP |
| | PRV | 11 | *Prunus virginiana* | CHOKECHERRY | 4" CAL. | SINGLE STEM, BALL AND BURLAP |
| | THO | 8 | *Thuja occidentalis* | AMERICAN ARBORVITAE | 12' HT. | SINGLE STEM, BALL AND BURLAP |

### UPPER TERRACE

| SYMBOL | CODE | QTY | SCIENTIFIC NAME | COMMON NAME | SIZE | NOTES |
|---|---|---|---|---|---|---|
| | AMA | 4 | *Amelanchier arborea* | DOWNY SERVICEBERRY | 12' HT. | MULTI STEM, BALL AND BURLAP |
| | AML | 4 | *Amelanchier laevis* | SMOOTH SERVICEBERRY | 12' HT. | MULTI STEM, BALL AND BURLAP |
| | CAO | 4 | *Carya ovata* | SHAGBARK HICKORY | 4" CAL. | SINGLE STEM, LIMBED UP BY 5', BALL AND BURLAP |
| | CRC | 6 | *Crataegus crus-galli var. inermis* | THORNLESS COCKSPUR HAWTHORN | 4" CAL. | SINGLE STEM, BALL AND BURLAP |
| | JUV | 1 | *Juniperus virginiana* | EASTERN RED CEDAR | 12' HT. | SINGLE STEM, LIMBED UP BY 5', BALL AND BURLAP |
| | QUC | 4 | *Quercus coccinea* | SCARLET OAK | 4" CAL. | SINGLE STEM, BALL AND BURLAP |
| | THO | 1 | *Thuja occidentalis* | AMERICAN ARBORBITAE | 12' HT. | SINGLE STEM, BALL AND BURLAP |

### LOWER TERRACE

| SYMBOL | CODE | QTY | SCIENTIFIC NAME | COMMON NAME | SIZE | NOTES |
|---|---|---|---|---|---|---|
| | BEA | 12 | *Betula alleghaniensis* | YELLOW BIRCH | 4" CAL. | SINGLE STEM, BALL AND BURLAP |
| | CEC | 17 | *Cercis canadensis* | EASTERN REDBUD | 4" CAL. | SINGLE STEM, BALL AND BURLAP |
| | GYD | 5 | *Gymnocladus dioicus* 'Espresso' | 'ESPRESSO' KENTUCKY COFFEETREE | 4" CAL. | SINGLE STEM, MALE TREE, SEEDLESS, BALL AND BURLAP |
| | JUV | 4 | *Juniperus virginiana* | EASTERN RED CEDAR | 12' HT. | SINGLE STEM, LIMBED UP BY 5', BALL AND BURLAP |
| | LAL | 11 | *Larix laricina* | TAMARACK | 12' HT. | SINGLE STEM, BALL AND BURLAP |
| | THO | 2 | *Thuja occidentalis* | AMERICAN ARBORBITAE | 12' HT. | SINGLE STEM, BALL AND BURLAP |

## SHRUB / GRASS / FERN / GROUNDCOVER

### NORTH PARKING LOT

| SYMBOL | CODE | QTY | SCIENTIFIC NAME | COMMON NAME | SIZE | SPACING | NOTES |
|---|---|---|---|---|---|---|---|
| | RHA | 5 | *Rhus aromatica* 'Gro-Low' | FRAGRANT SUMAC | 3 GAL | PER PLANS | SHRUB |
| | VIA | 12 | *Viburnum acerifolium* | MAPLELEAF VIBURNUM | 3 GAL | PER PLANS | SHRUB |
| | AST | 930 | *Asclepias tuberosa* | BUTTERFLY WEED | 1 GAL | 24" O.C. | |
| | HEH | 930 | *Heliopsis helianthoides* var. *scabra* 'Sommersonne' | OX EYE | 1 GAL | 12" O.C. | |
| | IOL | 930 | *Ionactis linariifolia* | STIFF ASTER | 1 GAL | 10" O.C. | |
| | JUH | 930 | *Juniperus horizontalis* 'Mother Lode' | CREEPING JUNIPER | 1 GAL | 8" O.C. | |
| | POA | 930 | *Polystichum acrostichoides* | CHRISTMAS FERN | 1 GAL | 12" O.C. | |
| | SCS | 930 | *Schizachyrium scoparium* | LITTLE BLUESTEM | 1 GAL | 24" O.C. | |
| | SPH | 930 | *Sporobolus heterolepis* | PRAIRIE DROPSEED | 1 GAL | 24" O.C. | |

### WEST PARKING LOT

| SYMBOL | CODE | QTY | SCIENTIFIC NAME | COMMON NAME | SIZE | SPACING | NOTES |
|---|---|---|---|---|---|---|---|
| | COS | 650 | *Cornus sericea* 'Cardinal' | RED TWIG DOGWOOD | 3 GAL | 24" O.C | SHRUB |
| | ACM | 650 | *Achillea millefolium* | COMMON YARROW | 1 GAL | 12" O.C. | |
| | DET | 650 | *Deschampsia cespitosa* | INTERRUPTED FERN | 1 GAL | 12" O.C. | |
| | PYT | 650 | *Pycnanthemum tenuifolium* | NARROWLEAF MOUNTAIN MINT | 1 GAL | 12" O.C. | |
| | SPH | 650 | *Sporobolus heterolepis* | PRAIRIE DROPSEED | 1 GAL | 24" O.C. | |
| | CAP | 650 | *Carex pensylvanica* | OAK SEDGE | 4" POT | 8" O.C. | NO-MOW GRASS |
| | CAR | 650 | *Carex rosea* | ROSY SEDGE | 4" POT | 8" O.C. | NO-MOW GRASS |
| | SEED MIX | 3,000 SF | *Festuca spp.* | FINE FESCUE AND VIOLET WOOD SORREL | – | – | MIXED SEEDING OF FESTUCA SPP. AND OXALIS VIOLACEA, 10 POUNDS PER 1000 SQ. FT; NO-MOW GRASS |

### UPPER TERRACE

| SYMBOL | CODE | QTY | SCIENTIFIC NAME | COMMON NAME | SIZE | SPACING | NOTES |
|---|---|---|---|---|---|---|---|
| | ACM | 680 | *Achillea millefolium* | COMMON YARROW | 1 GAL | 12" O.C. | |
| | IOL | 680 | *Ionactis linariifolia* | STIFF ASTER | 1 GAL | 10" O.C. | |
| | PYT | 680 | *Pycnanthemum tenuifolium* | NARROWLEAF MOUNTAIN MINT | 1 GAL | 24" O.C. | |
| | RAP | 680 | *Ratibida pinnata* | YELLOW CONEFLOWER | 1 GAL | 12" O.C. | |
| | SOE | 680 | *Solidago erecta* | SLENDER GOLDENROD | 1 GAL | 12" O.C. | |
| | TRO | 680 | *Tradescantia ohiensis* | OHIO SPIDERWORT | 1 GAL | 12" O.C. | |
| | SPH | 680 | *Sporobolus heterolepis* | PRAIRIE DROPSEED | 1 GAL | 24" O.C. | |
| | CAP | 680 | *Carex pensylvanica* | OAK SEDGE | 4" POT | 8" O.C. | NO-MOW GRASS |
| | CAR | 680 | *Carex rosea* | ROSY SEDGE | 4" POT | 8" O.C. | NO-MOW GRASS |
| | SEED MIX | 3,000 SF | *Festuca spp.* | FINE FESCUE AND VIOLET WOOD SORREL | – | – | MIXED SEEDING OF FESTUCA SPP. AND OXALIS VIOLACEA, 10 POUNDS PER 1000 SQ. FT; NO-MOW GRASS |
| | SOD | 4,980 SF | FINE FESCUE | | | | SEE SPECIFICATIONS FOR MORE DETIALS |

### LOWER TERRACE - ENTRY GARDEN

| SYMBOL | CODE | QTY | SCIENTIFIC NAME | COMMON NAME | SIZE | SPACING | NOTES |
|---|---|---|---|---|---|---|---|
| | ANC | 260 | *Anemone canadensis* | CANADA ANEMONE | 1 GAL | 6" O.C | SHRUB |
| | AST | 260 | *Asclepias tuberosa* | BUTTERFLY WEED | 1 GAL | 24" O.C | |
| | ADP | 260 | *Echinacea pallida* | PALE PURPLE CONEFLOWER | 1 GAL | 12" O.C | |
| | DEP | 260 | *Veronicastrum virginicum '* | CULVER'S ROOT | 1 GAL | 24" O.C | |
| | SPH | 260 | *Sporobolus heterolepis* | PRAIRIE DROPSEED | 1 GAL | 24" O.C | |

### LOWER TERRACE - DEBRIS GARDEN

| SYMBOL | CODE | QTY | SCIENTIFIC NAME | COMMON NAME | SIZE | SPACING | NOTES |
|---|---|---|---|---|---|---|---|
| | ASC | 430 | *Asarum canadense* | WILD GINGER | 1 GAL | 6" O.C | |
| | DEC | 430 | *Deschampsia cespitosa* | TUFTED-HAIR GRASS | 1 GAL | 12" O.C | |
| | DEP | 430 | *Dennstaedtia punctilobula* | HAY-SCENTED FERN | 1 GAL | 18" O.C | |
| | POA | 430 | *Polystichum acrostichoides* | CHRISTMAS FERN | 1 GAL | 12" O.C | |
| | SPH | 430 | *Sporobolus heterolepis* | PRAIRIE DROPSEED | 1 GAL | 24" O.C | |
| | SEED MIX | 1,400 SF | *Festuca spp.* | FINE FESCUE AND VIOLET WOOD SORREL | – | – | MIXED SEEDING OF FESTUCA SPP. AND OXALIS VIOLACEA, 10 POUNDS PER 1000 SQ. FT; NO-MOW GRASS |

### LOWER TERRACE - WET GARDEN

| SYMBOL | CODE | QTY | SCIENTIFIC NAME | COMMON NAME | SIZE | SPACING | NOTES |
|---|---|---|---|---|---|---|---|
| | ASS | 90 | *Asclepias syriaca* | COMMON MILKWEED | 1 GAL | 24" O.C | |
| | VID | 90 | *Eutrochium purpureum* | JOE PYE WEED | 1 GAL | 24" O.C | |
| | ADP | 90 | *Eutrochium fistulosum* | HOLLOW JOE PYE WEED | 1 GAL | 24" O.C | |
| | IRV | 90 | *Iris versicolor* | NORTHERN BLUEFLAG | 1 GAL | 12" O.C | |
| | MDB | 90 | *Monarda didyma* 'Blue Moon' | BEE BALM | 1 GAL | 12" O.C | |
| | VVC | 90 | *Veronicastrum virginicum* 'Cupid' | CULVER'S ROOT | 1 GAL | 24" O.C | |
| | VVL | 90 | *Veronicastrum virginicum* 'Lavendelturm' | CULVER'S ROOT | 1 GAL | 24" O.C | |
| | SON | 90 | *Sorghastrum nutans* | INDIAN GRASS | 1 GAL | 24" O.C | |

### CONSTRUCTED WETLAND

| SYMBOL | CODE | QTY | SCIENTIFIC NAME | COMMON NAME | SIZE | SPACING | NOTES |
|---|---|---|---|---|---|---|---|
| | ACC | 250 | *Acorus calamus* | SWEET FLAG | 1 GAL | 12" O.C. | |
| | ELP | 250 | *Eleocharis palustris* | SPIKERUSH | 1 GAL | 12" O.C. | |
| | PEV | 250 | *Peltandra virginica* | ARROW ARUM | 1 GAL | 18" O.C. | |
| | SAC | 250 | *Saururus cernuus* | LIZARD'S TAIL | 1 GAL | 12" O.C. | |
| | TYL | 250 | *Typha latifolia* | BROADLEAF CATTAIL | 1 GAL | 12" O.C. | |

REVISIONS

| No. | Description | Date |
|---|---|---|
| 001 | PLANNING BOARD | 08/02/2021 |

NOTES


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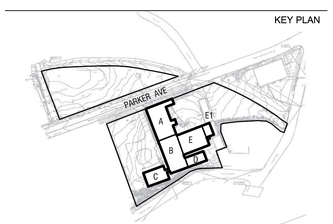
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262 MARTIN AVE
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STAMP + SIGNATURE




KEY PLAN




MASS.

Owner:
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POUGHKEEPSIE, NY, 12601

58 PARKER AVE
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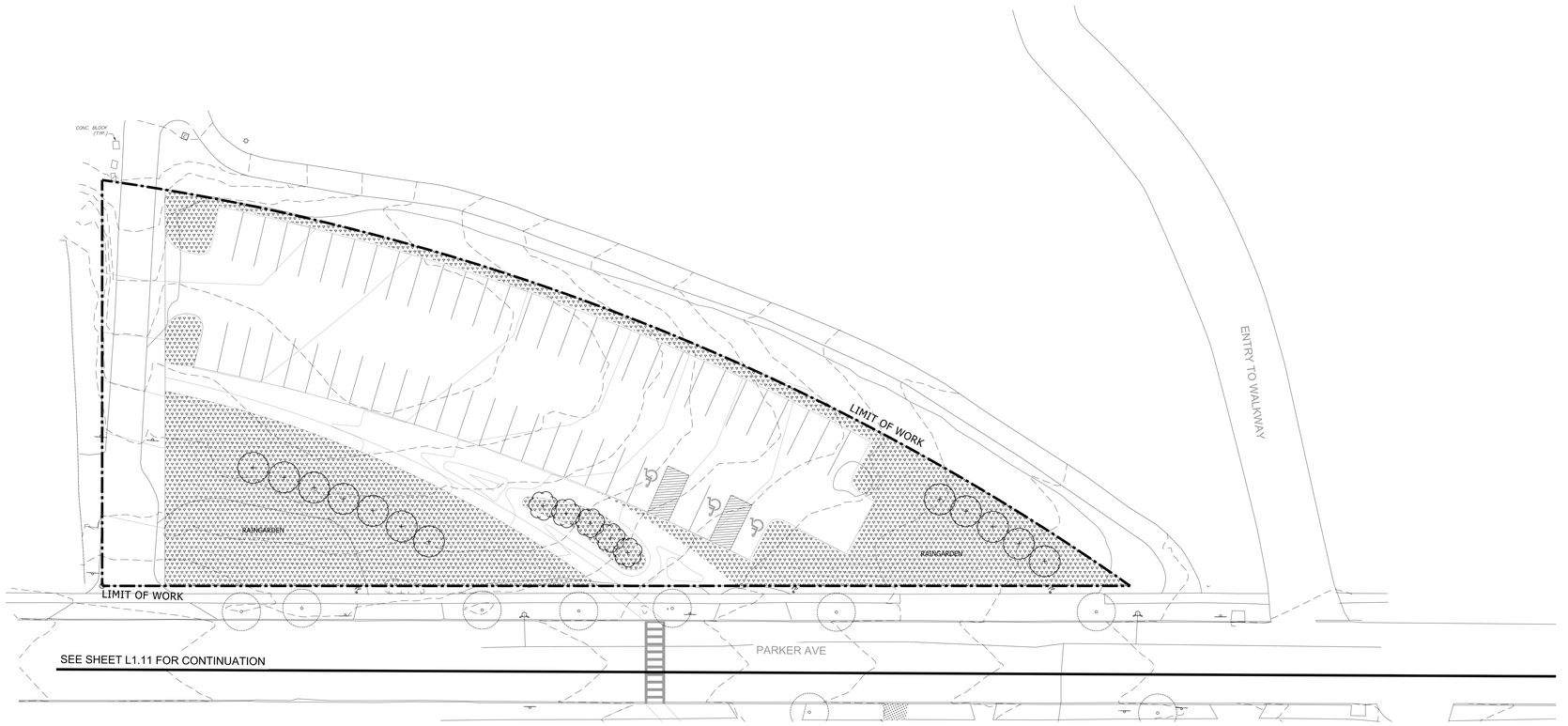
PLANNING BOARD SUBMISSION

02 AUGUST 2021

PLANTING SCHEDULE

TRUE NORTH

L1.50




1 PRELIMINARY PLANTING PLAN- NORTH
1"=20'-0"

SCALE 1" = 20'
0 10' 20' 40'

PLANTING GENERAL REQUIREMENTS

- ALL PLANTING SUBSTITUTIONS SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT. PLANT MATERIALS AND LOCATIONS SHALL BE INSPECTED BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. CONSTRUCTION MANAGER SHALL BE NOTIFIED AT LEAST THREE (3) WORKING DAYS IN ADVANCE FOR INSPECTION.
- PRIOR TO VEGETATIVE STABILIZATION, TOPSOIL SHALL BE APPLIED FOR ALL DISTURBED AREAS. THIS SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS.
- PLANTS SHALL BE TYPICAL OF THEIR SPECIES AND VARIETY; HAVE NORMAL GROWTH HABITS, WELL-DEVELOPED DENSELY FOLIATED BRANCHES, AND VIGOROUS ROOT SYSTEMS; AND BE FREE FROM DEFECTS AND INJURIES.
- PLANTS SHALL BE PLANTED ON THE DAY OF DELIVERY IF/WHEN PRACTICAL. IN THE EVENT THAT THIS IS NOT POSSIBLE, THE CONTRACTOR SHALL PROTECT STOCK NOT PLANTED. PLANTS SHALL NOT REMAIN UNPLANTED FOR LONGER THAN A THREE-DAY PERIOD AFTER DELIVERY. ANY PLANTS NOT INSTALLED DURING THIS PERIOD SHALL BE REJECTED, UNLESS OWNER AND CONTRACTOR PROVIDE OTHERWISE BY WRITTEN AGREEMENT.
- PLANTS SHALL NOT BE BOUND WITH WIRE OR ROPE AT ANY TIME SO AS TO DAMAGE THE BARK OR BREAK BRANCHES. PLANTS SHALL BE HANDLED FROM THE BOTTOM OF THE ROOT BALL ONLY.
- IF THE MOISTURE CONTENT OF THE SOIL SHOULD REACH SUCH A LEVEL THAT WORKING IT WOULD DESTROY SOIL STRUCTURE, SPREADING AND GRADING OPERATIONS SHALL BE SUSPENDED UNTIL, IN THE OPINION OF THE LANDSCAPE ARCHITECT, THE MOISTURE CONTENT IS INCREASED OR REDUCED TO ACCEPTABLE LEVELS AND THE DESIRED RESULTS ARE LIKELY TO BE OBTAINED.
- ACTUAL PLANTING SHALL BE PERFORMED DURING THOSE PERIODS WHEN WEATHER AND SOIL CONDITIONS ARE SUITABLE IN ACCORDANCE WITH LOCALLY ACCEPTED HORTICULTURAL PRACTICE AS APPROVED BY THE LANDSCAPE ARCHITECT. CONTRACTOR SHALL ONLY INSTALL AS MANY PLANTS PER DAY AS CAN BE PLANTED AND WATERED ON THE SAME DAY.
- ALL SCALED DIMENSIONS ARE APPROXIMATE. BEFORE PROCEEDING WITH ANY WORK THE CONTRACTOR SHALL CAREFULLY CHECK AND VERIFY ALL DIMENSIONS AND SHALL IMMEDIATELY INFORM THE LANDSCAPE ARCHITECT OF ANY DISCREPANCY BETWEEN THE DRAWINGS AND/OR SPECIFICATIONS AND ACTUAL CONDITIONS.
- PLANT MATERIAL QUANTITIES SHOWN ARE FOR CONVENIENCE ONLY. VERIFY COUNT AND PROVIDE NUMBER TO FULFILL INTENT OF DRAWINGS PRIOR TO ORDERING FROM NURSERIES.
- PROTECTION OF EXISTING STREET TREES, SHRUBS AND GROUNDCOVER: SEE THE DEMOLITION AND TREE PROTECTION PLAN L-030.

DEEP WATER LEACHING

- FILL IN ALL DEPRESSIONS, VOIDS, EROSION SCARS, OR SETTLED TRENCHES. FINISH GRADES BY DEEP LEACHING WITH CONDITIONED SOIL, LEAVING A FINAL GRADE SMOOTH AND EVEN.

FINAL GRADES

- MINOR MODIFICATIONS TO GRADE MAY BE REQUIRED TO ESTABLISH THE FINAL GRADES.
- ALL UNDULATIONS AND IRREGULARITIES IN THE PLANTING SURFACES RESULTING FROM TILLAGE, ROTOTILLING, AND ALL OTHER OPERATIONS SHALL BE LEVELED AND FLOATED OUT BEFORE PLANTING.
- THE CONTRACTOR SHALL TAKE EVERY PRECAUTION TO PROTECT AND AVOID DAMAGE TO SPRINKLER HEADS, IRRIGATION LINES, AND OTHER UNDERGROUND UTILITIES DURING GRADING AND PLANTING OPERATIONS.
- CONTRACTOR SHALL COORDINATE ALL DRAINAGE WORK WITH ALL OTHER TRADES, ESTABLISHED SITE DRAINAGE SHALL BE MAINTAINED BY CONTRACTOR DURING ALL PHASES OF LANDSCAPE CONSTRUCTION.
- FINAL FINISH GRADES SHALL INSURE POSITIVE DRAINAGE OF THE SITE WITH ALL SURFACE DRAINAGE AWAY FROM BUILDINGS AND WALLS AND TOWARD DRAINS AND CATCH BASINS.
- FINAL GRADES SHALL BE APPROVED IN WRITING BY THE LANDSCAPE ARCHITECT BEFORE PLANTING OPERATIONS WILL BE ALLOWED TO BEGIN.

PERCOLATION TESTING AND DRAINAGE

- PER THE SPECIFICATIONS, SOIL PERCOLATION TEST SHALL BE PERFORMED BY FILLING TREE PLANTING PITS (SEE PLANS FOR APPROPRIATE SIZE OF THE TREE PIT) WITH WATER, WAITING 12 HOURS AND THEN COMPLETELY REFILLING. IF ALL THE WATER IS NOT ABSORBED WITH 12 HOURS OF THE SECOND FILLING IT HAS FAILED THE TEST. UPON FAILURE, CONTACT LANDSCAPE ARCHITECT FOR REMEDIAL MEASURES.
- BID PRICE SHALL BE BASED ON TREE PLANTING PIT DETAILS SHOW ON THE PLANS AND PER THE SPECIFICATIONS.

WEED CONTROL

- PRIOR TO PLANTING, ERADICATE WEEDS WITHIN THE LIMITS OF WORK IN THE FOLLOWING ORDER:

A. IRRIGATE TWICE EACH DAY FOR APPROXIMATELY 5 TO 10 MINUTES EACH WATERING TIME (AS APPROPRIATE TO SITE CONDITIONS) FOR A PERIOD OF 30 CALENDAR DAYS.
B. APPLY POST EMERGENT HERBICIDE (SUCH AS ROUND-UP PRO) AS APPROVED BY THE OWNER AND PER STATE LICENSED PEST CONTROL ADVISOR AND ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS. TAKE CARE TO PROTECT EXISTING PLANT MATERIAL AND HARDSCAPE TO REMAIN AS SHOWN ON THE PLANS.
C. WAIT THE REQUIRED PERIOD FOR THE HERBICIDE TO TAKE EFFECT (APPROXIMATELY 7-14 DAYS).
D. PHYSICALLY REMOVE WEEDS DEAD OR ALIVE WITHIN THE LIMITS.

SOIL CONDITIONING AND FERTILIZING

- CLEAN, GRUB AND ROTOTILL ALL PLANTING AREAS TO A DEPTH OF TWELVE (12) INCHES REMOVING ALL WEEDS, DEBRIS, ROCKS OR OTHER DELETERIOUS MATTER 1 INCH DIAMETER OR LARGER FROM THE SITE (UNLESS SPECIFIED OTHERWISE). THEN BLEND IN SOIL AMENDMENTS PER THE SPECIFICATIONS AND BASED ON THE SOILS REPORT.

GENERAL PLANTING

- PRUNING SHALL NOT BE DONE EXCEPT BY A CERTIFIED ARBORIST AT APPROVAL OF THE LANDSCAPE ARCHITECT.
- PLANT LOCATIONS SHALL BE CHECKED FOR POSSIBLE INTERFERENCE WITH EXISTING UNDERGROUND PIPING, PRIOR TO EXCAVATION OF HOLES. IF UNDERGROUND CONSTRUCTION OR UTILITY LINES ARE ENCOUNTERED IN THE EXCAVATION OF PLANTING AREAS, NOTIFY THE OWNER. EXPENSE FOR REPAIR OF DAMAGE TO EXISTING UTILITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

- ALL EXCAVATED HOLES SHALL HAVE VERTICAL SIDES WITH A ROUGHENED SURFACE AD SHALL BE OF THE MINIMUM SIZES INDICATED ON THE DRAWINGS. HOLES SHALL BE IN ALL CASES LARGE ENOUGH TO PERMIT HANDLING AND TO THE SPECIFICATIONS AND PLANS FOR SPECIAL CONDITIONS SUCH AS STRUCTURAL SOIL.

TREES, SHRUBS, AND VINES

- EACH TREE AND SHRUB SHALL BE PLACED IN THE CENTER OF THE HOLE AND SHALL BE SET PLUMB AND HELD RIGID IN POSITION UNTIL THE PLANTING BACKFILL HAS BEEN TAMPED DOWN AROUND EACH ROOTBALL.
- ALL PLANTS SHALL BE SET AT SUCH A LEVEL THAT AFTER SETTLING THEY ARE 2 INCHES HIGHER THAN SURROUNDING FINISH GRADE UNLESS OTHERWISE NOTED IN THE DRAWINGS OR SPECIFICATIONS.
- ALL PLANTS SHALL BE THOROUGHLY WATERED INTO THE FULL DEPTH OF EACH PLANTING HOLE IMMEDIATELY AFTER PLANTING.
- TREES LARGER THAN 24 INCH BOX (2.5" CALIPER) SHALL BE SPOTTED AND PLANTED WITH A CRANE. ALL BOX TREES SHALL BE STAKED PER THE DETAILS UNLESS OTHERWISE NOTED IN THE DRAWINGS OR SPECIFICATIONS.
- INJURED ROOTS SHALL BE PRUNED TO CLEAN ENDS BEFORE PLANTING WITH CLEAN, SHARP TOOLS. THE LEADER OF TREES SHALL NOT BE CUT BACK.
- TREES 2" OR GREATER IN CALIPER SHALL BE SUPPORTED IMMEDIATELY AFTER PLANTING. ALL TREES 6" AND GREATER IN CALIPER SHALL BE GUYED OR STABLED WITH DEADMAN TREE ANCHORING SYSTEM. SMALLER TREES SHALL BE STAKED. GUYING WIRES AND STAKES SHALL BE INSTALLED AS INDICATED. CONTRACTORS WILL ADVISE THEIR CLIENTS TO REMOVE STAKING, GUYING AND TREE WRAP AT THE END OF ONE YEAR.
- ALL PLANTING BEDS SHALL BE MULCHED WITH 2"-3" LAYER OF DOUBLE SHREDDED HARDWOOD BARK MULCH OR LEAF COMPOST.
- NEW PLANTING AREAS AND SOD SHALL BE ADEQUATELY IRRIGATED OR WATERED TO ESTABLISH THE PROPOSED PLANTS AND LAWN.
- ALL DISTURBED AREAS SHALL BE TREATED WITH 4" TOP SOIL OR COMPOST AND SEEDED IN ACCORDANCE WITH PERMANENT STABILIZATION METHODS INDICATED ON SOIL EROSION AND SEDIMENT CONTROL SHEET.

PLANTING MAINTENANCE PERIOD

- LANDSCAPE AREAS SHALL BE KEPT FREE OF WEEDS, NOXIOUS GRASS AND ALL OTHER UNDESIRED VEGETATIVE GROWTH AND DEBRIS.
- PLANT MATERIALS SHALL BE KEPT IN A HEALTHY OPTIMUM GROWING CONDITION AND IN A VISUALLY PLEASING APPEARANCE BY WATERING PRUNING, MOWING, FERTILIZING, RESTAKING, PEST AND DISEASE CONTROLLING, SPRAYING, WEEDING, CLEAN-UP AND ANY MAINTENANCE OPERATION NECESSARY TO INSURE A HEALTHY, VIGOROUS STAND OF PLANTS AT THE TIME OF FINAL INSPECTION.
- SEE SPECIFICATIONS FOR APPLICATION RATES FOR POST PLANTING FERTILIZER.
- CONTRACTOR IS RESPONSIBLE FOR THE LANDSCAPE MAINTENANCE OF THE PLANTING AND/OR IRRIGATED AREAS SHOWN ON THE PLANS FOR THE INITIAL 180 DAY MAINTENANCE PERIOD.

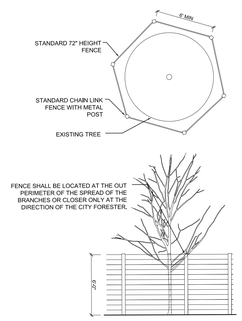
PLANT AVAILABILITY

- THE ACT OF PROVIDING A BID FOR THIS PROJECT ESTABLISHES THE CONTRACTORS UNDERSTANDING THAT THE PLANTS SPECIFIED HEREIN MAY BE UNUSUAL AND MORE DIFFICULT TO LOCATE THAN THE INDUSTRY STANDARD AND THAT THE CONTRACTOR AGREES TO THE FOLLOWING.

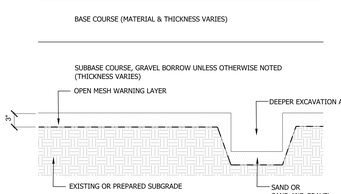
A. WITHIN TWENTY-ONE (21) DAYS AFTER AWARD OF THE CONTRACT CONTRACTOR SHALL SUBMIT A PLANT LIST WITH NURSERY SOURCES. PLANT QUANTITIES AND PLANT SIZES; PLANT LIST SHALL INDICATE ALL UNAVAILABLE PLANS AND WHICH NURSERIES WERE CONTACTED DURING CONTRACTORS SEARCH (LANDSCAPE ARCHITECT SHALL SUGGEST PLANT SUBSTITUTION BASED UPON INFORMATION IN CONTRACTOR SUBMITTAL)

B. UPON ACCEPTANCE OF CONTRACTOR PLANT LIST BY THE LANDSCAPE ARCHITECT, THE CONTRACTOR SHALL SECURE PLANTS WITHIN FIVE (5) DAYS AND ARRANGE FOR DELIVERY FROM NURSERIES.

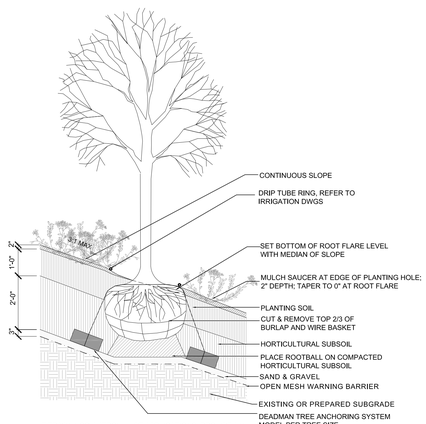
- PRIOR TO THE START OF CONSTRUCTION OR EXCAVATION, TREES TO BE RETAINED SHALL BE PROTECTED BY SILT FENCE, SNOW FENCE, CONSTRUCTION FENCE, OR EQUAL, WHICH WILL BE PLACED AT THE DRIP LINE SEVERAL FEET BEYOND, NO STORAGE OR STOCKPILING OF CONSTRUCTION MATERIALS, DEBRIS, OR EQUIPMENT SHALL OCCUR WITHIN THE FENCED AREA.



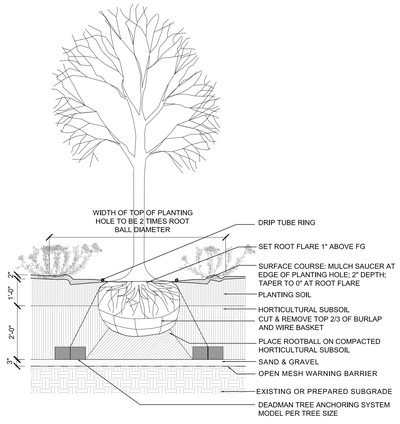

2 TREE PROTECTION FENCE
3/16"=1'-0"




3 ENVIRONMENTAL MITIGATION DETAIL- FOR REFERENCE ONLY
1"=1'-0"




4 TREE PLANTING ON SLOPE
1/2" = 1'-0"




5 TREE PLANTING, TYPICAL
1/2"=1'-0"

## PLANTING LEGEND

EXISTING PLANTINGS
- (E) TREE, PROTECT IN PLACE
- (E) TREE TO BE REMOVED

WEST PARKING LOT
- CED *Cedrus deodara* DEODAR CEDAR
- COF *Cornus florida* FLOWERING DOGWOOD
- PRV *Prunus virginiana* CHOKECHERRY
- THO *Thuja occidentalis* AMERICAN ARBORVITAE

UPPER TERRACE
- AMA *Amelanchier arborea* DOWNY SERVICEBERRY
- AML *Amelanchier laevis* SMOOTH SERVICEBERRY
- CAO *Carya ovata* SHAGBARK HICKORY
- CRC *Crataegus crus-galli var., inermis* SHAGBARK HICKORY
- JUV *Juniperus virginiana* EASTERN RED CEDAR
- QUC *Quercus coccinea* SCARLET OAK
- THO *Thuja occidentalis* AMERICAN ARBORVITAE

LOWER TERRACE
- BEA *Betula alleghaniensis* YELLOW BIRCH
- CEC *Cercis canadensis* EASTERN REDBUD
- GYD *Gymnocladus dioicus 'Espresso'* KENTUCKY COFFEETREE
- JUV *Juniperus virginiana* EASTERN RED CEDAR
- LAL *Larix laricina* TAMARACK
- THO *Thuja occidentalis* AMERICAN ARBORVITAE

SHRUB / GRASS / FERN / GROUNDCOVER
- NORTH PARKING LOT
- WEST PARKING LOT
- UPPER TERRACE
- LOWER TERRACE - ENTRY GARDEN
- LOWER TERRACE - DEBRIS GARDEN
- LOWER TERRACE - WET GARDEN
- SOD
- CONSTRUCTED WETLAND

BOUNDARIES
- UNIT OF WORK/ PROPERTY LINE

REVISIONS

| No. | Description | Date |
|---|---|---|
| 001 | PLANNING BOARD | 08/02/2021 |

NOTES


Architect
MASS DESIGN GROUP
334 BOYLSTON STREET
SUITE 400
BOSTON MA 02116

Landscape Consultant
STOSS
54 OLD COLONY AVENUE,
THIRD FLOOR
BOSTON MA 02127

Civil Engineering
CHAZEN
21 FOX ST
POUGHKEEPSIE NY 12601

Structural Engineer
SILMAN
32 OLD SLIP
NEW YORK NY 10005

Sustainability Engineer
TRANSSOLAR KLIMA ENGINEERING
200 EAST 23RD STREET
SUITE 403
NEW YORK NY 10010

MEP Engineer
VANDERWEIL ENGINEERS
1001 6TH AVE
NEW YORK NY 10018

FP AND Code Consultant
HOWE ENGINEERS
101 LONGWATER CIRCLE
SUITE 203
NORWELL MA 02061

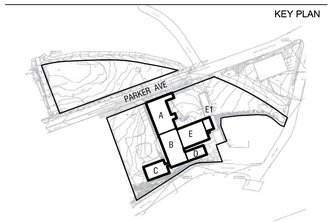
Lighting Consultant
SCHWINGHAMMER
335 W 38TH STREET #1
NEW YORK NY 10018

Acoustic Consultant
WSDG
262 MARTIN AVE
HIGHLAND NY 12528


STAMP + SIGNATURE




KEY PLAN




MASS.

Owner:
NORTHSIDE JUNCTION LLC,
1 CIVIC CENTER PLAZA STE 200
POUGHKEEPSIE, NY, 12601

58 PARKER AVE
POUGHKEEPSIE NY 12601

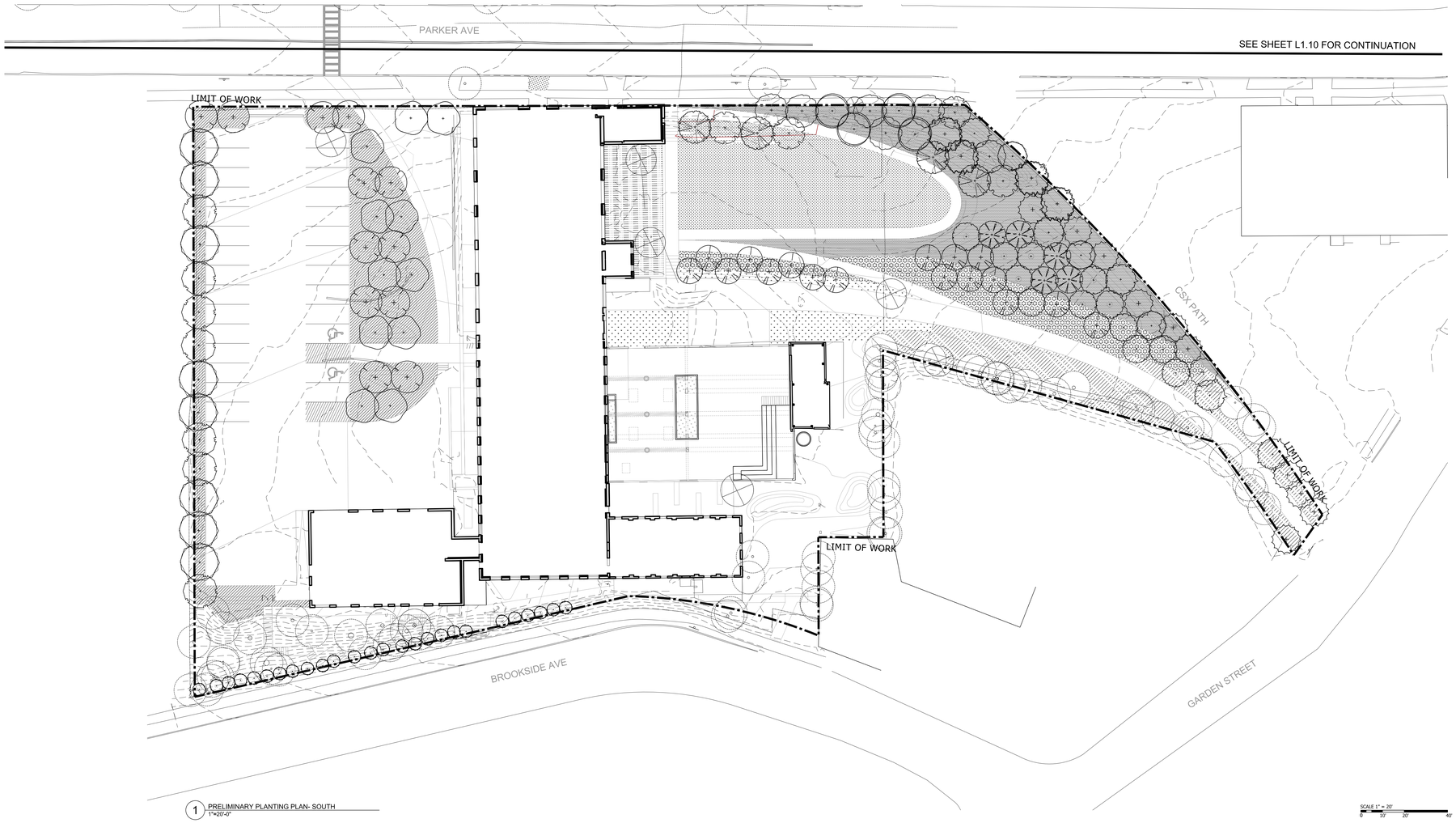
PLANNING BOARD SUBMISSION

02 AUGUST 2021

PLANTING PLAN- NORTH

TRUE NORTH

L1.51
1:20




1 PRELIMINARY PLANTING PLAN- SOUTH
1"=20'-0"

SCALE 1" = 20'
0 10' 20' 40'

## PLANTING LEGEND

EXISTING PLANTINGS
- (E) TREE, PROTECT IN PLACE
- (E) TREE TO BE REMOVED

WEST PARKING LOT
- CED *Cedrus deodara* CEODAR CEDAR
- COF *Cornus florida* FLOWERING DOGWOOD
- PRV *Prunus virginiana* CHOKECHERRY
- THO *Thuja occidentalis* AMERICAN ARBORVITAE

UPPER TERRACE
- AMA *Amelanchier arborea* DOWNY SERVICEBERRY
- AML *Amelanchier laevis* SMOOTH SERVICEBERRY
- CAO *Carya ovata* SHAGBARK HICKORY
- CRC *Crataegus crus-galli var., inermis* SHAGBARK HICKORY
- JUV *Juniperus virginiana* EASTERN RED CEDAR
- QUC *Quercus coccinea* SCARLET OAK
- THO *Thuja occidentalis* AMERICAN ARBORVITAE

LOWER TERRACE
- BEA *Betula alleghaniensis* YELLOW BIRCH
- CEC *Cercis canadensis* EASTERN REDBUD
- GYD *Gymnocladus dioicus 'Espresso'* KENTUCKY COFFEETREE
- JUV *Juniperus virginiana* EASTERN RED CEDAR
- LAL *Larix laricina* TAMARACK
- THO *Thuja occidentalis* AMERICAN ARBORVITAE

SHRUB / GRASS / FERN / GROUNDCOVER
- NORTH PARKING LOT
- WEST PARKING LOT
- UPPER TERRACE
- LOWER TERRACE - ENTRY GARDEN
- LOWER TERRACE - DEBRIS GARDEN
- LOWER TERRACE - WET GARDEN
- SOD
- CONSTRUCTED WETLAND

BOUNDARIES
- LIMIT OF WORK/ PROPERTY LINE

REVISIONS

| No. | Description | Date |
|---|---|---|
| 001 | PLANNING BOARD | 08/02/2021 |

NOTES


Architect

MASS DESIGN GROUP

334 BOYLSTON STREET
SUITE 400
BOSTON MA 02116

Landscape Consultant

STOSS

54 OLD COLONY AVENUE,
THIRD FLOOR
BOSTON MA 02127

Civil Engineering

CHAZEN

21 FOX ST
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32 OLD SLIP
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200 EAST 23RD STREET
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MEP Engineer

VANDERWEIL ENGINEERS

1001 6TH AVE
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HOWE ENGINEERS

101 LONGWATER CIRCLE
SUITE 203
NORWELL MA 02061

Lighting Consultant

SCHWINGHAMMER

335 W 38TH STREET #1
NEW YORK NY 10018

Acoustic Consultant

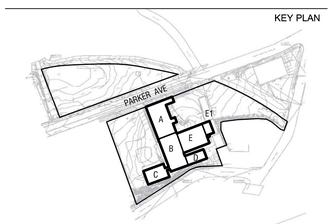
WSDG

262 MARTIN AVE
HIGHLAND NY 12528


STAMP + SIGNATURE




KEY PLAN




MASS.

Owner:
NORTHSIDE JUNCTION LLC,
1 CIVIC CENTER PLAZA STE 200
POUGHKEEPSIE, NY, 12601

58 PARKER AVE
POUGHKEEPSIE NY 12601

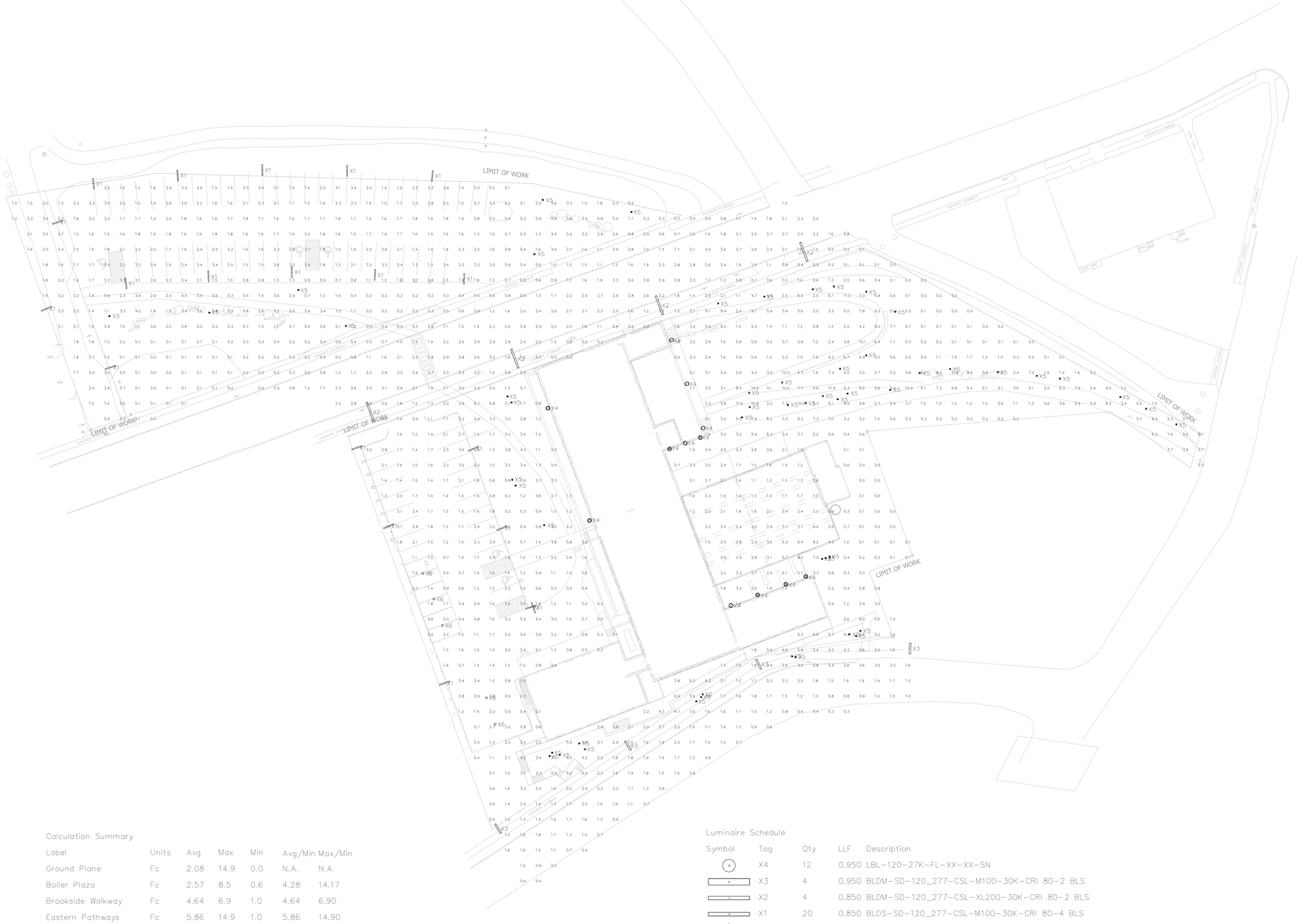
PLANNING BOARD SUBMISSION

02 AUGUST 2021

PLANTING PLAN- SOUTH

TRUE NORTH

**L1.52**
1:20


LIMIT OF WORK
LIMIT OF WORK
LIMIT OF WORK
LIMIT OF WORK
CONCRETE SIDEWALK
CONCRETE SIDEWALK
CONCRETE SIDEWALK
CONC. RAMP
CONC. RAMP
CONC. STAIRS
CONC. STAIRS
CONC. STAIRS

## Type X1 - Rectangular LED Head mounted on a 12' pole - Type IV optics & 10,000 lm board

**Specification Sheet** — **lumenblade** Small BLDS

Project Name _____ Qty _____

Type _____ Catalog / Part Number _____



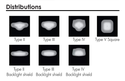




Side and front views

Bottom view
L120 or L140 (3 boards) shown

**Distributions**




**Colors and Color Temperatures**




**Control**

ON/OFF 0-10V

**Motion detector options**



**Rating**

IP66 (optical chamber)

**Certifications**

**Description**

The Lumenpulse Lumenblade Small is an outdoor LED luminaire that uses a rectilinear version of the Lumencentro light engine to create a continuous line of light. Its seen-but-not-seen, minimalist design is sustainable, blends with both contemporary and heritage architectures, provides a high level of security, and is sensitive to the natural environment. The Lumenblade Small is available in several lengths, a number of distributions and output options, and provides a stellar quality of light that brings the night to life.

**Features**

| | |
|---|---|
| **Mounting** | Side mounting |
| **Color and Color Temperature** | 2200K, 2700K, 3000K, 3500K, 4000K, 5700K |
| **Distributions** | Type II, Type III or Type IV (with or without backlight shield), Type II square |
| **1.5G Vibration Rated** | Meets 1.5G ANSI C136.31 - 2010 vibration standard for Roadway applications |
| **Options** | Corrosion-resistant coating for hostile environments, Surge protector, 5-pin receptacles with and without starting cap, 7-pin receptacles with and without starting cap, Motion detector |
| **Pole Mounting Adaptor** | Straight pole and Mueller pole adaptor (round and square poles) 4 in<br>Lumentech pole adaptor (square and round poles) 6 in |
| **Warranty** | 5-year limited warranty |

**Performance**

| | |
|---|---|
| **Output (nominal lumens)** | Minimum 4000lm (1 board) / Maximum 14000lm (3 boards) |
| **Efficacy** | Up to 95 lm/W (Type II square, 4000K, 14850 lumen output) |
| **Color Rendering** | 3 SDCM for CRI 70+ and 2 SDCM for CRI 80+ |
| **Lumen Maintenance** | TM-21 L95 57,000 hrs (reported). To 25 °C (77 °F)<br>L70 > 120,000 hrs (projected). To 25 °C (77 °F)) |



**Specification Sheet** — **lumenblade** Small BLDS

| | |
|---|---|
| **Dark Sky** | Dark sky compliant (2200K, 2700K and 3000K color temperatures, BUG rating of U0) |

**Physical**

| | |
|---|---|
| **Housing Material** | Extruded aluminum 6000 alloy series |
| **Lens Material** | Clearsite lens |
| **Surface Finish** | Super Durable resistant exterior polyester powder coating meets AAMA 2604-98 requirements (5 years Florida exposure), a Corrosion resistant finish (CRC) pre-finish is available to meet ASTM-B-117 & ASTM D-1654 (salt spray resistance) and ASTM D-2247 requirements (humidity resistance). |
| **Weight** | 1 board: 10 lbs; 2 boards: 12.5 lbs; 3 boards: 15 lbs. Refer to fixture Weights Table in complete specification sheet for fixture weights with motion detector installed and double configurations |

**Electrical and control**

| | |
|---|---|
| **Voltage** | 120 volts, 208 volts, 240 volts, 277 volts, 347 volts, 480 volts |
| **Control** | On/Off control, 0-10V dimming |

**Environmental**

| | |
|---|---|
| **Storage Temperature** | -40°C [-40 °F] to 50°C [122 °F] (device must reach start-up temperature value before operating) |
| **Operating Temperature** | -40°C [-40 °F] to 50°C [122 °F] |
| **Start-up Temperature** | -25°C [-13 °F] to 50°C [122 °F] |
| **Ingress Protection Rating** | IP66 (optical chamber), Wet location rated |
| **Environment** | Dry / damp / wet location |



**Specification Sheet** — **lumenblade** Small BLDS

**Photometric information**

**Type II, 4000K, CRI 70+**



| | Nominal output [lm] | Typical delivered output [lm] | Efficiency [lm/W] | BUG Rating B U G | Typical maximum power 120/277V (W) |
|---|---|---|---|---|---|
| **S40** | 2,921 | 78 | 1 0 1 | 35 |
| **S60** | 4,122 | 75 | 1 0 1 | 55 |
| **M80** | 6,401 | 82 | 1 0 1 | 78 |
| **M100** | 8,570 | 75 | 2 0 2 | 115 |
| **L120** | 9,540 | 80 | 2 0 2 | 120 |
| **L140** | 10,849* | 78 | 2* 0* 2* | 140 |

**Type III, 4000K, CRI 70+**



| | Nominal output [lm] | Typical delivered output [lm] | Efficiency [lm/W] | BUG Rating B U G | Typical maximum power 120/277V (W) |
|---|---|---|---|---|---|
| **S40** | 3,196 | 89 | 1 0 1 | 35 |
| **S60** | 4,670 | 85 | 1 0 1 | 55 |
| **M80** | 7,252 | 93 | 2 0 2 | 78 |
| **M100** | 9,710 | 84 | 2 0 2 | 115 |
| **L120** | 10,816 | 90 | 2 0 2 | 120 |
| **L140** | 12,291* | 88 | 2* 0* 2* | 140 |

**Type IV, 4000K, CRI 70+**



| | Nominal output [lm] | Typical delivered output [lm] | Efficiency [lm/W] | BUG Rating B U G | Typical maximum power 120/277V (W) |
|---|---|---|---|---|---|
| **S40** | 2,663 | 74 | 1 0 1 | 35 |
| **S60** | 3,890 | 71 | 1 0 1 | 55 |
| **M80** | 6,042 | 77 | 2 0 2 | 78 |
| **M100** | 8,091 | 70 | 2 0 2 | 115 |
| **L120** | 9,012 | 75 | 2 0 2 | 120 |
| **L140** | 10,241* | 73 | 2* 0* 2* | 140 |

**Type V square, 4000K, CRI 70+**



| | Nominal output [lm] | Typical delivered output [lm] | Efficiency [lm/W] | BUG Rating B U G | Typical maximum power 120/277V (W) |
|---|---|---|---|---|---|
| **S40** | 3,282 | 91 | 2 0 1 | 35 |
| **S60** | 4,797 | 87 | 3 0 1 | 55 |
| **M80** | 7,448 | 95 | 3 0 1 | 78 |
| **M100** | 9,972 | 87 | 3 0 2 | 115 |
| **L120** | 11,109 | 93 | 4 0 2 | 120 |
| **L140** | 12,623* | 90 | 4* 0* 2* | 140 |

*Photometric performance is measured in compliance with IESNA LM-79-08. Due to rapid and continous advance in LED technology, photometric information is subject to change without notice.



**Specification Sheet** — **lumenblade** Small BLDS

**How to order**

| Housing | Mounting | Voltage | Lens [1] | Output (nominal lumens) | Color and Color Temperature | Color Rendering | Distributions | Finish | Control | Options | Pole Mounting Adaptor [14] |
|---|---|---|---|---|---|---|---|---|---|---|---|
| BLDS Lumenblade Small | S0 Side Mounting | 120 120 volts<br>208 208 volts<br>240 240 volts<br>277 277 volts<br>347 347 volts<br>480 480 volts | CSL Clearsite lens | S40 4000lm (1 board), 5700lm (2 boards), 7600lm (3 boards) [3,5,9,12]<br>S60 6000lm (1 board), 8000lm (2 boards), 10800lm (3 boards) [3,5,9,12]<br>M80 8000lm (1 board), 10800lm (2 boards), 14400lm (3 boards) [3,5,9,12]<br>M100 10000lm (1 board), 13500lm (2 boards), 18000lm (3 boards) [3,5,9,12]<br>L120 12000lm (2 boards), 16200lm (3 boards) [3,5,9,12]<br>L140 14000lm (2 boards), 18900lm (3 boards) [3,5,9,12] | 22K 2200K [7]<br>27K 2700K [7]<br>30K 3000K<br>35K 3500K<br>40K 4000K<br>57K 5700K | CRI 70 CRI 70+ [7]<br>CRI 80 CRI 80+ [7] | 2 Type II<br>3N3 Type II backlight shield<br>4 Type IV<br>4N3 Type IV backlight shield<br>5 Type V square<br>5N3 Type V square backlight shield<br>4S3 Type IV square<br>4S3N Type IV square backlight shield<br>5S Type V square | BK Black<br>BKT Black Textured<br>SV Silver<br>SVT Silver Textured<br>WH White<br>WHT White Textured<br>CUSTX Custom color (specify RAL/NCS)<br>CU Custom color (specify RAL/NCS) | DIM 0-10V dimming [11] | C8C Corrosion-resistant coating for hostile environments [11]<br>SPR5 5-pin receptacle [11]<br>SPR5 EC 5-pin receptacle with dimming cap [11]<br>SPR7 7-pin receptacle [11]<br>SPR7 EC 7-pin receptacle with dimming cap [11]<br>MD10N Motion detector 10ft, factory-set dimming level (narrow lens) [11-13]<br>MD10W Motion detector 10ft, factory-set dimming level (wide lens) [11-13]<br>MD20N Motion detector 20ft, factory-set dimming level (narrow lens) [11-13]<br>MD20W Motion detector 20ft, factory-set dimming level (wide lens) [11-13]<br>MDPN Motion detector for overhead mount, factory-set dimming level (narrow lens) [11-13]<br>MDPW Motion detector for overhead mount, factory-set dimming level (wide lens) [11-13] | RPA4S Round pole adaptor for 4in pole<br>RPA6S Round pole adaptor for 6in pole<br>RPA8S Round pole adaptor for 8in pole<br>RPA10S Round pole adaptor for 10in pole<br>SPA4 Square pole adaptor for 4in pole<br>SPA6 Square pole adaptor for 6in pole<br>SPA8 Square pole adaptor for 8in pole<br>SPA10 Square pole adaptor for 10in pole<br>RPA4S5 Round pole adaptor for combination 4in-5in pole<br>SPA47 Square pole adaptor for combination 4in-7in pole |

**Notes:**

1. Product comes in for a single fixture only (S1) configurations. For double configuration (S2), a second product code must be completed.
2. Consult factory for full fixture spec option. Available for S60lm (2 boards), S80lm (2 boards) and T80lm (3 boards) outputs.
3. Motion detector options add 1.46 lbs to total weight of fixture.
4. Available up to 277V.
5. Available for CRI 80 only.
6. Binning within a 3-step ellipse/MacAdam ellipse, with the exception of 2200K and 5700K.
7. Binning within a 2-step ellipse/MacAdam ellipse, with the exception of 5700K.
8. Specific P/N number followed by "TW" for textured finish (ex: RLSTP70) or "STW" for Satellite finish (ex: RLSTP70S). Textured or Satellite finishes are not recommended for the durability of aluminum. It is thick is not specified with the P/N, number (ex: RLSTP7). A glossy finish will be provided. Please consult factory for other RAL textures and glosses, or to match alternate color charts. Prices color matching results may vary.
9. Changes apply for thin, color. Consult factory for details.
10. Longer lead times can be expected for custom RAL color finishes.
11. Dim control can be used on NO-DIM control for status required.
12. Use only when exposed to salt spray and harsh chemicals. Re-lubricant is not required for normal outdoor exposure.
13. Use only when exposed to salt spray and harsh chemicals. Re-lubricant is not required for normal outdoor exposure.
14. Pole mount selects for programming can be modified on site. A remote is required. Later assembly. See Remote section in the specification sheet for details.
15. Consult Pole mounting Adaptor section for standard available configurations.



## Type X2 - Rectangular LED Head mounted to existing wood poles on Parker Ave. - Type II optics & 20,000 lm board

**Specification Sheet** — **lumenblade** Medium BLDM

Project Name _____ Qty _____

Type _____ Catalog / Part Number _____







Side and front views

Bottom view
XL180 or XL200 (4 boards) shown

**Distributions**




**Colors and Color Temperatures**




**Control**

ON/OFF 0-10V

**Motion detector options**



**Rating**

IP66 (optical chamber)

**Certifications**

**Description**

The Lumenpulse Lumenblade Medium is an outdoor LED luminaire that uses a rectilinear version of the Lumencentro light engine to create a continuous line of light. Its seen-but-not-seen, minimalist design is sustainable, blends with both contemporary and heritage architectures, provides a high level of security, and is sensitive to the natural environment. The Lumenblade Small is available in several lengths, a number of distributions and output options, and provides a stellar quality of light that brings the night to life.

**Features**

| | |
|---|---|
| **Mounting** | Side mounting |
| **Color and Color Temperature** | 2200K, 2700K, 3000K, 3500K, 4000K, 5700K |
| **Distributions** | Type II, Type III or Type IV (with or without backlight shield), Type II square |
| **1.5G Vibration Rated** | Meets 1.5G ANSI C136.31 - 2010 vibration standard for Roadway applications |
| **Options** | Corrosion-resistant coating for hostile environments, Surge protector, 5-pin receptacles with and without starting cap, 7-pin receptacles with and without starting cap, Motion detector |
| **Pole Mounting Adaptor** | Straight pole and Mueller pole adaptor (round and square poles) 4 in<br>Lumentech pole adaptor (square and round poles) 6 in |
| **Warranty** | 5-year limited warranty |

**Performance**

| | |
|---|---|
| **Output (nominal lumens)** | Minimum 4000lm (1 board) / Maximum 20000lm (4 boards) |
| **Efficacy** | Up to 107 lm/W (Type II square, 4000K, 14850 lumen output) |
| **Color Rendering** | 3 SDCM for CRI 70+ and 2 SDCM for CRI 80+ |
| **Lumen Maintenance** | TM-21 L95 57,000 hrs (reported). To 25 °C (77 °F))<br>L70 > 120,000 hrs (projected). To 25 °C (77 °F)) |



**Specification Sheet** — **lumenblade** Medium BLDM



| | |
|---|---|
| **Dark Sky** | Dark sky compliant (2200K, 2700K and 3000K color temperatures, BUG rating of U0) |

**Physical**

| | |
|---|---|
| **Housing Material** | Extruded aluminum 6000 alloy series |
| **Lens Material** | Clearsite lens |
| **Surface Finish** | Super Durable resistant exterior polyester powder coating meets AAMA 2604-98 requirements (5 years Florida exposure), a Corrosion resistant finish (CRC) pre-finish is available to meet ASTM-B-117 & ASTM D-1654 (salt spray resistance) and ASTM D-2247 requirements (humidity resistance). |
| **Weight** | 1 board: 12.5 lbs; 2 boards: 16 lbs; 3 boards: 21 lbs; 4 boards: 25 lbs. Refer to Fixture Weights Table in complete specification sheet for fixture weights with motion detector installed and double configurations |

**Electrical and control**

| | |
|---|---|
| **Voltage** | 120 volts, 208 volts, 240 volts, 277 volts, 347 volts, 480 volts |
| **Control** | On/Off control, 0-10V dimming |

**Environmental**

| | |
|---|---|
| **Storage Temperature** | -40°C [-40 °F] to 50°C [122 °F] (device must reach start-up temperature value before operating) |
| **Operating Temperature** | -40°C [-40 °F] to 50°C [122 °F] |
| **Start-up Temperature** | -25°C [-13 °F] to 50°C [122 °F] |
| **Ingress Protection Rating** | IP66 (optical chamber), Wet location rated |
| **Environment** | Dry / damp / wet location |



**Specification Sheet** — **lumenblade** Medium BLDM

**Photometric information**

**Type II, 4000K, CRI 70+**



| | Nominal output [lm] | Typical delivered output [lm] | Efficiency [lm/W] | BUG Rating B U G | Typical maximum power 120/277V (W) |
|---|---|---|---|---|---|
| **S40** | 3,236 | 90 | 1 0 1 | 36 |
| **S60** | 4,758 | 87 | 1 0 1 | 55 |
| **M80** | 7,423 | 95 | 2 0 2 | 78 |
| **M100** | 9,897 | 86 | 2 0 2 | 115 |
| **L120** | 11,039 | 92 | 2 0 2 | 120 |
| **L140** | 12,561 | 90 | 3 0 3 | 140 |
| **L160** | 14,274 | 79 | 3 0 3 | 180 |
| **XL180** | 17,890 | 87 | 3 0 3 | 205 |
| **XL200** | 19,032* | 79 | 3* 0* 3* | 240 |

**Type III, 4000K, CRI 70+**



| | Nominal output [lm] | Typical delivered output [lm] | Efficiency [lm/W] | BUG Rating B U G | Typical maximum power 120/277V (W) |
|---|---|---|---|---|---|
| **S40** | 3,496 | 97 | 1 0 1 | 36 |
| **S60** | 5,141 | 94 | 1 0 1 | 55 |
| **M80** | 8,019 | 103 | 2 0 2 | 78 |
| **M100** | 10,693 | 93 | 2 0 2 | 115 |
| **L120** | 11,926 | 99 | 2 0 2 | 120 |
| **L140** | 13,571 | 97 | 3 0 3 | 140 |
| **L160** | 15,422 | 86 | 3 0 3 | 180 |
| **XL180** | 19,329 | 94 | 3 0 3 | 205 |
| **XL200** | 20,563* | 86 | 3* 0* 3* | 240 |

**Type IV, 4000K, CRI 70+**



| | Nominal output [lm] | Typical delivered output [lm] | Efficiency [lm/W] | BUG Rating B U G | Typical maximum power 120/277V (W) |
|---|---|---|---|---|---|
| **S40** | 2,989 | 83 | 1 0 1 | 36 |
| **S60** | 4,396 | 80 | 1 0 1 | 55 |
| **M80** | 6,858 | 88 | 2 0 2 | 78 |
| **M100** | 9,144 | 80 | 2 0 2 | 115 |
| **L120** | 10,199 | 85 | 2 0 2 | 120 |
| **L140** | 11,606 | 83 | 3 0 3 | 140 |
| **L160** | 13,189 | 73 | 3 0 3 | 180 |
| **XL180** | 16,530 | 81 | 3 0 3 | 205 |
| **XL200** | 17,585* | 73 | 3* 0* 3* | 240 |

**Type V square, 4000K, CRI 70+**



| | Nominal output [lm] | Typical delivered output [lm] | Efficiency [lm/W] | BUG Rating B U G | Typical maximum power 120/277V (W) |
|---|---|---|---|---|---|
| **S40** | 3,020 | 101 | 2 0 1 | 36 |
| **S60** | 5,339 | 97 | 3 0 1 | 55 |
| **M80** | 8,328 | 107 | 3 0 2 | 78 |
| **M100** | 11,104 | 97 | 4 0 2 | 115 |
| **L120** | 12,383 | 103 | 4 0 2 | 120 |
| **L140** | 14,094 | 101 | 4 0 2 | 140 |
| **L160** | 16,016 | 89 | 4 0 2 | 180 |
| **XL180** | 20,073 | 98 | 4 0 2 | 205 |
| **XL200** | 21,354* | 89 | 4* 0* 3* | 240 |

*Photometric performance is measured in compliance with IESNA LM-79-08. Due to rapid and continous advance in LED technology, photometric information is subject to change without notice.



**Specification Sheet** — **lumenblade** Medium BLDM

**How to order**

| Housing | Mounting | Voltage | Lens [1] | Output (nominal lumens) | Color and Color Temperature | Color Rendering | Distributions | Finish | Control | Options | Pole Mounting Adaptor [14] |
|---|---|---|---|---|---|---|---|---|---|---|---|
| BLDM Lumenblade Medium | S0 Side Mounting | 120 120 volts<br>208 208 volts<br>240 240 volts<br>277 277 volts<br>347 347 volts<br>480 480 volts | CSL Clearsite lens | S40 4000lm (1 board), 5700lm (2 boards), 7600lm (3 boards) [3,5,9,12]<br>S60 6000lm (1 board), 8000lm (2 boards), 10800lm (3 boards) [3,5,9,12]<br>M80 8000lm (1 board), 10800lm (2 boards), 14400lm (3 boards) [3,5,9,12]<br>M100 10000lm (1 board), 13500lm (2 boards), 18000lm (3 boards) [3,5,9,12]<br>L120 12000lm (2 boards), 16200lm (3 boards) [3,5,9,12]<br>L140 14000lm (2 boards), 18900lm (3 boards) [3,5,9,12]<br>L160 16000lm (2 boards), 21600lm (3 boards) [3,5,9,12]<br>XL180 18000lm (3 boards), 24300lm (4 boards) [3,5,9,12]<br>XL200 20000lm (3 boards), 27000lm (4 boards) [3,5,9,12] | 22K 2200K [7]<br>27K 2700K [7]<br>30K 3000K<br>35K 3500K<br>40K 4000K<br>57K 5700K | CRI 70 CRI 70+ [7]<br>CRI 80 CRI 80+ [7] | 2 Type II<br>3N3 Type II backlight shield<br>4 Type IV<br>4N3 Type IV backlight shield<br>5S Type V square<br>4S3 Type IV square<br>4S3N Type IV square backlight shield | BK Black<br>BKT Black Textured<br>SV Silver<br>SVT Silver Textured<br>WH White<br>WHT White Textured<br>CUSTX Custom color (specify RAL/NCS)<br>CU Custom color (specify RAL/NCS) | DIM 0-10V dimming [11] | C8C Corrosion-resistant coating for hostile environments [11]<br>SPR5 5-pin receptacle [11]<br>SPR5 EC 5-pin receptacle with dimming cap [11]<br>SPR7 7-pin receptacle [11]<br>SPR7 EC 7-pin receptacle with dimming cap [11]<br>MD10N Motion detector 10ft, factory-set dimming level (narrow lens) [11-13]<br>MD10W Motion detector 10ft, factory-set dimming level (wide lens) [11-13]<br>MD20N Motion detector 20ft, factory-set dimming level (narrow lens) [11-13]<br>MD20W Motion detector 20ft, factory-set dimming level (wide lens) [11-13]<br>MDPN Motion detector for overhead mount, factory-set dimming level (narrow lens) [11-13]<br>MDPW Motion detector for overhead mount, factory-set dimming level (wide lens) [11-13] | RPA4M Round pole adaptor for 4in pole<br>RPA6M Round pole adaptor for 6in pole<br>RPA8M Round pole adaptor for 8in pole<br>RPA10M Round pole adaptor for 10in pole<br>SPA4 Square pole adaptor for 4in pole<br>SPA6 Square pole adaptor for 6in pole<br>SPA8 Square pole adaptor for 8in pole<br>SPA10 Square pole adaptor for 10in pole<br>RPA4S5 Round pole adaptor for combination 4in-5in pole<br>SPA47 Square pole adaptor for combination 4in-7in pole |

**Notes:**

1. Product comes in for a single fixture only (S1) configurations. For double configuration (S2), a second product code must be completed.
2. Consult factory for full fixture spec option. Available for S60lm (2 boards), S80lm (2 boards), T80lm (3 boards) and T120lm (4 boards) outputs.
3. Motion detector options add 1.46 lbs to total weight of fixture.
4. Available up to 277V.
5. Available for CRI 80 only.
6. Binning within a 3-step ellipse/MacAdam ellipse, with the exception of 2200K and 5700K.
7. Binning within a 2-step ellipse/MacAdam ellipse, with the exception of 5700K.
8. Specific P/N number followed by "TW" for textured finish (ex: RLSTP70) or "STW" for Satellite finish (ex: RLSTP70S). Textured or Satellite finishes are not recommended for the durability of aluminum. It is thick is not specified with the P/N, number (ex: RLSTP7). A glossy finish will be provided. Please consult factory for other RAL textures and glosses, or to match alternate color charts. Prices color matching results may vary.
9. Changes apply for thin, color. Consult factory for details.
10. Longer lead times can be expected for custom RAL color finishes.
11. Dim control can be used on NO-DIM control for status required.
12. Use only when exposed to salt spray and harsh chemicals. Re-lubricant is not required for normal outdoor exposure.
13. Use only when exposed to salt spray and harsh chemicals. Re-lubricant is not required for normal outdoor exposure.
14. Pole mount selects for programming can be modified on site. A remote is required. Later assembly. See Remote section in the specification sheet for details.
15. Consult Pole mounting Adaptor section for standard available configurations.



## Type X3 - Rectangular LED Head mounted to existing wood poles on Brookside Ave. - Type II optics & 10,000 lm board

**Specification Sheet** — **lumenblade** Medium BLDM

Project Name _____ Qty _____

Type _____ Catalog / Part Number _____







Side and front views

Bottom view
XL180 or XL200 (4 boards) shown

**Distributions**




**Colors and Color Temperatures**




**Control**

ON/OFF 0-10V

**Motion detector options**



**Rating**

IP66 (optical chamber)

**Certifications**

**Description**

The Lumenpulse Lumenblade Medium is an outdoor LED luminaire that uses a rectilinear version of the Lumencentro light engine to create a continuous line of light. Its seen-but-not-seen, minimalist design is sustainable, blends with both contemporary and heritage architectures, provides a high level of security, and is sensitive to the natural environment. The Lumenblade Small is available in several lengths, a number of distributions and output options, and provides a stellar quality of light that brings the night to life.

**Features**

| | |
|---|---|
| **Mounting** | Side mounting |
| **Color and Color Temperature** | 2200K, 2700K, 3000K, 3500K, 4000K, 5700K |
| **Distributions** | Type II, Type III or Type IV (with or without backlight shield), Type II square |
| **1.5G Vibration Rated** | Meets 1.5G ANSI C136.31 - 2010 vibration standard for Roadway applications |
| **Options** | Corrosion-resistant coating for hostile environments, Surge protector, 5-pin receptacles with and without starting cap, 7-pin receptacles with and without starting cap, Motion detector |
| **Pole Mounting Adaptor** | Straight pole and Mueller pole adaptor (round and square poles) 4 in<br>Lumentech pole adaptor (square and round poles) 6 in |
| **Warranty** | 5-year limited warranty |

**Performance**

| | |
|---|---|
| **Output (nominal lumens)** | Minimum 4000lm (1 board) / Maximum 20000lm (4 boards) |
| **Efficacy** | Up to 107 lm/W (Type II square, 4000K, 14850 lumen output) |
| **Color Rendering** | 3 SDCM for CRI 70+ and 2 SDCM for CRI 80+ |
| **Lumen Maintenance** | TM-21 L95 57,000 hrs (reported). To 25 °C (77 °F))<br>L70 > 120,000 hrs (projected). To 25 °C (77 °F)) |



**Specification Sheet** — **lumenblade** Medium BLDM



| | |
|---|---|
| **Dark Sky** | Dark sky compliant (2200K, 2700K and 3000K color temperatures, BUG rating of U0) |

**Physical**

| | |
|---|---|
| **Housing Material** | Extruded aluminum 6000 alloy series |
| **Lens Material** | Clearsite lens |
| **Surface Finish** | Super Durable resistant exterior polyester powder coating meets AAMA 2604-98 requirements (5 years Florida exposure), a Corrosion resistant finish (CRC) pre-finish is available to meet ASTM-B-117 & ASTM D-1654 (salt spray resistance) and ASTM D-2247 requirements (humidity resistance). |
| **Weight** | 1 board: 12.5 lbs; 2 boards: 16 lbs; 3 boards: 21 lbs; 4 boards: 25 lbs. Refer to Fixture Weights Table in complete specification sheet for fixture weights with motion detector installed and double configurations |

**Electrical and control**

| | |
|---|---|
| **Voltage** | 120 volts, 208 volts, 240 volts, 277 volts, 347 volts, 480 volts |
| **Control** | On/Off control, 0-10V dimming |

**Environmental**

| | |
|---|---|
| **Storage Temperature** | -40°C [-40 °F] to 50°C [122 °F] (device must reach start-up temperature value before operating) |
| **Operating Temperature** | -40°C [-40 °F] to 50°C [122 °F] |
| **Start-up Temperature** | -25°C [-13 °F] to 50°C [122 °F] |
| **Ingress Protection Rating** | IP66 (optical chamber), Wet location rated |
| **Environment** | Dry / damp / wet location |



**Specification Sheet** — **lumenblade** Medium BLDM

**Photometric information**

**Type II, 4000K, CRI 70+**



| | Nominal output [lm] | Typical delivered output [lm] | Efficiency [lm/W] | BUG Rating B U G | Typical maximum power 120/277V (W) |
|---|---|---|---|---|---|
| **S40** | 3,236 | 90 | 1 0 1 | 36 |
| **S60** | 4,758 | 87 | 1 0 1 | 55 |
| **M80** | 7,423 | 95 | 2 0 2 | 78 |
| **M100** | 9,897 | 86 | 2 0 2 | 115 |
| **L120** | 11,039 | 92 | 2 0 2 | 120 |
| **L140** | 12,561 | 90 | 3 0 3 | 140 |
| **L160** | 14,274 | 79 | 3 0 3 | 180 |
| **XL180** | 17,890 | 87 | 3 0 3 | 205 |
| **XL200** | 19,032* | 79 | 3* 0* 3* | 240 |

**Type III, 4000K, CRI 70+**



| | Nominal output [lm] | Typical delivered output [lm] | Efficiency [lm/W] | BUG Rating B U G | Typical maximum power 120/277V (W) |
|---|---|---|---|---|---|
| **S40** | 3,496 | 97 | 1 0 1 | 36 |
| **S60** | 5,141 | 94 | 1 0 1 | 55 |
| **M80** | 8,019 | 103 | 2 0 2 | 78 |
| **M100** | 10,693 | 93 | 2 0 2 | 115 |
| **L120** | 11,926 | 99 | 2 0 2 | 120 |
| **L140** | 13,571 | 97 | 3 0 3 | 140 |
| **L160** | 15,422 | 86 | 3 0 3 | 180 |
| **XL180** | 19,329 | 94 | 3 0 3 | 205 |
| **XL200** | 20,563* | 86 | 3* 0* 3* | 240 |

**Type IV, 4000K, CRI 70+**



| | Nominal output [

# Type X4 - Round LED Floodlight - 40 degree optics & 4,200 lm board

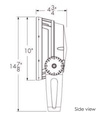
**Specification Sheet** — lumenbeam Large LBL — WHITE AND STATIC COLORS

Project Name _____ Qty _____

Type _____ Catalog / Part Number _____






## Photometric Summary

**Symmetric**

| | Delivered output (lm) | Intensity (peak cd) |
|---|---|---|
| XN (4°) | 3073 | 290,070 |
| VN (6°) | 3013* | 156,978* |
| NS (10°) | 5039* | 75,098* |
| NF (20°) | 5157* | 48,366* |
| M (30°) | 4735* | 25,678* |
| FL (40°) | 4225* | 10,426* |
| WFL (60°) | 4205* | 4252* |

**Asymmetric**

| | Delivered output (lm) | Intensity (peak cd) |
|---|---|---|
| NAS | 3352* | 51,627*(82.5°) |
| WW | 4131* | 12,658*(80°) |

Based on 4000K configuration.
Photometric performance is measured in compliance with IESNA LM-79-08.
*Estimated. Consult website for the latest photometric files.

## Optics

XN (4°) VN (6°) NS (10°) NF (20°) M (30°)

FL (40°) WFL (60°) NAS WW

## Description

The Lumenbeam Large is an IP64-rated luminaire for lighting landscapes, trees, columns, monuments, and architectural details. It has numerous options, including optics for flood or accent lighting, a choice of color temperatures and colors, as well as various accessories, spread lenses, and controls. The luminaire also has an anti-corrosion option for use in harsh, chemical, or coastal environments.

## Features

| | |
|---|---|
| **Color and Color Temperature** | 2200K, 2700K, 3000K, 3500K, 4000K, 5700K, Red, Green, Blue |
| **Optics (nominal distribution)** | XN (4°), VN (6°), NS (10°), NF (20°), M (30°), FL (40°), WFL (60°), NAS (Narrow Asymmetric), WW (Asymmetric Wallwash) |
| **Optical Option** | Linear spread lens horizontal distribution, Linear spread lens vertical distribution |
| **Mounting Option** | Short Yoke, 3G ANSI C136.31-2010 Vibration Rating for bridge applications, Corrosion-resistant coating for hostile environments |
| **Cable Color** | Black, White |
| **Power Consumption** | 50 W |
| **Warranty** | 5-year limited warranty |

## Performance

| | |
|---|---|
| **Maximum Delivered Output** | 5157 lm (4000K, NF 20°) |
| **Maximum Delivered Intensity** | 295,070 cd at nadir (4000K, XN 4°) |
| **Illuminance at Distance** | Minimum 1 fc at 54.9 ft (4000K, XN 4°) |
| **Color Consistency** | 3 SDCM |
| **Color Rendering** | Minimum CRI 80 |
| **Lumen Maintenance** | L70 > 250,000 hrs (Ta 25 °C) (> 80,000 hrs for XN 4°, VN 6°, NAS optics only) |



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**Specification Sheet** — lumenbeam Large LBL — WHITE AND STATIC COLORS

## Colors and Color Temperatures

2200K 2700K 3000K 3500K 4000K 5700K

Red Green Blue

## Controls

ON/OFF 0-10V DALI dwardrm

lumenpulse dwardrm EnOcean Wireless

## Ratings

IP66 IK10

## Certifications

cULus CE RoHS

3G VIBRATION RATING

## Physical

| | |
|---|---|
| **Housing Material** | Low-copper content high pressure die-cast aluminum |
| **Yoke Material** | Heavy aluminum (standard yoke included) |
| **Lens Material** | Clear tempered glass |
| **Hardware Material** | Stainless steel |
| **Gasket Material** | Silicone |
| **Surface Finish** | Electrostatically applied polyester powder coat |
| **Weight** | 12 lbs |
| **EPA** | Front = 0.64 sq ft, Side = 0.21 sq ft |

## Electrical and control

| | |
|---|---|
| **Voltage** | 120 to 277 volts |
| **Fixture Cable** | Power and data in one cable |
| **Conductors** | 3C #16-3 (HO, LT control), 5C #16-5 (DMX, DALI, ES control), 6C #14-3/ #24-3 (DMX/RDM control) |
| **Control** | On/Off control, Lumentalk, 0-10V dimming, DALI dimming, Lutron® EcoSystem® Enabled dimming, DMX/RDM enabled |
| **Resolution (DMX/RDM)** | Per fixture, 8-bit or 16-bit |

## Environmental

| | |
|---|---|
| **Storage Temperature** | -40 °F to 158 °F (device must reach start-up temperature value before operating) |
| **Start-up Temperature** | -13 °F to 122 °F |
| **Operating Temperature** | -40 °F to 122 °F |
| **Ingress Protection Rating** | IP66, Wet location rated |
| **Impact Resistance Rating** | IK10 |

## Accessories (order separately)

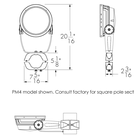
| | |
|---|---|
| **Optical Accessories** | Snoot, Snoot wide, Visor, Linear Spread Lens Adjustable, Wire guard |
| **Control Boxes** | DMX/RDM-enabled (daisy chain or star configuration), Ethernet enabled (daisy chain or star configuration) |
| **Control Systems** | Lumentalk™ 2, PharaDALI kit |
| **Diagnostic and Addressing Tools** | LumenID, LumenMAD |



**Specification Sheet** — lumenbeam Large LBL — WHITE AND STATIC COLORS

## Mounting accessories (order separately)

**Round pole mounting accessory**




PH4 model shown. Consult factory for square pole section.



**PM4-1, PM4.5-1, PM5-1** - Round pole mounting accessory - single fixture



**PM4-2, PM4.5-2, PM5-2** - Round pole mounting accessory - twin fixtures
*One bracket assembly is supplied per 2 fixtures unless otherwise specified.

| | PM4 | PM4.5 | PM5 |
|---|---|---|---|
| **for pole Ø** | 4" | 4.5" | 5" |

Consult factory for other pole diameters.

**UY - Universal yoke for Lumentech pole**



Square Lumentech profile shown. Refer to Lumentech specification sheet and installation instructions for more details.

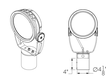


The mounting holes used for this fixture are shown in gray.

**Tenon adapter**



**TN2** - Tenon adapter to fit on 2-3/8 in O.D. tenon
Vertical mounting only. Consult factory for horizontal mounting.



**TN4** - Tenon adapter to fit on 4 in O.D. tenon
Vertical mounting only. Consult factory for horizontal mounting.

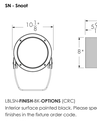


**Specification Sheet** — lumenbeam Large LBL — WHITE AND STATIC COLORS

## Optical accessories (order separately)

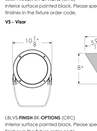
Installed optical accessories will affect the maximum pivot limits for each mounting option, consult factory for details.

**SN - Snoot**



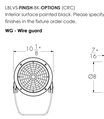
LBLSN-**FINISH**-BK-**OPTIONS** (CRC)
Interior surface painted black. Please specify the exterior **FINISH** from the list of finishes in the fixture order code.

**VS - Visor**



LBLVS-**FINISH**-BK-**OPTIONS** (CRC)
Interior surface painted black. Please specify the exterior **FINISH** from the list of finishes in the fixture order code.

**WG - Wire guard**



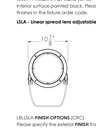
LBLWG-**FINISH-OPTIONS** (CRC)
Please specify the exterior **FINISH** from the list of finishes in the fixture order code.

**SNW - Snoot wide**



LBLSW-**FINISH**-BK-**OPTIONS** (CRC)
Interior surface painted black. Please specify the exterior **FINISH** from the list of finishes in the fixture order code.

**LSLA - Linear spread lens adjustable**



LBLSLA-**FINISH-OPTIONS** (CRC)
Please specify the exterior **FINISH** from the list of finishes in the fixture order code.

**Accessory combinations**

| + | Snoot | Snoot wide | Visor |
|---|---|---|---|
| Linear spread lens adjustable | LBLSNSLA | N/A* | LBLVSSLA |
| Wire guard | LBLSNWG | N/A | LBLVSWG |

Accessory combinations must be ordered together on a single line
Ex: A snoot + wire guard combination order code is LBLSNWG-**FINISH**-BK-**OPTIONS**. A maximum of two accessories can be combined per fixture.
*Consult factory for a linear spread lens adjustable + snoot wide combination.



**Specification Sheet** — lumenbeam Large LBL — WHITE AND STATIC COLORS

## How to order

| Housing | Voltage | Color and Color Temperature [1] | Optics | Optical Option [2] | Finish | Control | Options | Certification | Cable Length [3] [4] | Cable Color |
|---|---|---|---|---|---|---|---|---|---|---|
| **LBL** Lumenbeam™ Large | **120** 120 volts<br>**130** 130 volts<br>**220** 220 volts<br>**240** 240 volts<br>**277** 277 volts | **22K** 2200K<br>**27K** 2700K<br>**30K** 3000K<br>**40K** 4000K<br>**57K** 5700K<br>**R** Red [5]<br>**G** Green [5]<br>**B** Blue [5] | **XN** Extra Narrow 4°<br>**VN** Very Narrow 6°<br>**NS** Narrow Spot 10°<br>**NF** Narrow Flood 20°<br>**M** Medium 30° [6]<br>**FL** Flood 40° [6]<br>**WFL** Wide Flood 60° [6]<br>**NAS** Narrow Asymmetric [6]<br>**WW** Wide Asymmetric Wallwash [6] | **LSLV** Linear spread lens vertical distribution [7]<br>**LSLH** Linear spread lens horizontal distribution [7] | **BK** Black Sandblast<br>**MB2** Matte Black Sandblast [8]<br>**N** Natural Sandblast<br>**WH** Smooth white<br>**MATA** Textured black<br>**MATB** Textured white (Matte Bone)<br>**GMATA** Textured graphite<br>**GMATC** Textured cement<br>**WMTA** Textured white<br>**CC** Custom color (Consult factory for options, colors, and lead times) [9] [10] | **NO** On/Off control<br>**LT** Lumentalk [11]<br>**DALI** DALI dimming<br>**0-10** 0-10V dimming<br>**DMX** DMX/RDM (Lutron® EcoSystem® dimming) [12]<br>**DMX/RDM** DMX/RDM (Lutron® EcoSystem® dimming) [12] [13] | **ST** Short Yoke<br>**SHV** 3G ANSI C136.31-2010 Vibration Rating for bridge applications, Corrosion-resistant coating for hostile environments<br>**CR** Corrosion-resistant coating for hostile environments<br>**CRS** CR compliant with Stainless Steel Shielded Screws | **UL** cULus compliant<br>**CE** CE compliant<br>**UKT** UKCA compliant<br>**SPT** SPT compliant<br>**BPT** BPT compliant<br>**TWP** TWP compliant<br>**VERT** VERT compliant | **SP1** 1 ft (0.3 m)<br>**SP2** 2 ft (0.6 m)<br>**SP3** 3 ft (0.9 m)<br>**SP5** 5 ft (1.5 m)<br>**SP7** 7 ft (2.1 m)<br>**SP10** 10 ft (3 m) | **BK** Black<br>**WH** White [14] |

**Notes:**
[1] Select options for availability of static Black/Blue, Amber, 4,000K and RGB+CW.
[2] Order Linear mode to order B-K models.
[3] Factory installed, not field changeable on site.
[4] Cable length is approximate and may be changed in the field.
[5] Field adjustable sometimes sold as a source available, order separately.
[6] Not available with Linear spread lens options.
[7] Luminaires offers a wide selection of NA, CLASSIC BCT colors with a smooth texture and high gloss finish. Please consult factory for availability of standard 7 colors, other fine textures and glosses, or for metallic/alternate color finish, from color matching studio (RAL or NCS).
[8] Minus changes apply for NA, Lisbon. Consult factory for details.
[9] Longer lead times can be expected for custom RAL color finishes.
[10] A custom texture (-CSTX) and unlimited LEDS finish are specified for Luminaire applications. Consult Lumenbeam 2 and Lumentalk wiring and specification sheets for details.
[11] Not available with Class A versatile business options.
[12] Not available with Class A versatile business options. Only.
[13] A minimum of 0.5 cable length for class 2 low-limit applications with CM-DS.
[14] Standard white cable is RAL 9003 signal white. Consult factory for other standard RAL color requests.



**Specification Sheet** — lumenbeam Large LBL — WHITE AND STATIC COLORS

## How to order

| Housing | Voltage | Color and Color Temperature [1] | Optics | Optical Option [2] | Finish | Control | Options | Certification | Cable Length [3] [4] | Cable Color |
|---|---|---|---|---|---|---|---|---|---|---|
| **LBL** Lumenbeam™ Large | **120** 120 volts<br>**130** 130 volts<br>**220** 220 volts<br>**240** 240 volts<br>**277** 277 volts | **22K** 2200K<br>**27K** 2700K<br>**30K** 3000K<br>**40K** 4000K<br>**57K** 5700K<br>**R** Red [5]<br>**G** Green [5]<br>**B** Blue [5] | **XN** Extra Narrow 4°<br>**VN** Very Narrow 6°<br>**NS** Narrow Spot 10°<br>**NF** Narrow Flood 20°<br>**M** Medium 30° [6]<br>**FL** Flood 40° [6]<br>**WFL** Wide Flood 60° [6]<br>**NAS** Narrow Asymmetric [6]<br>**WW** Wide Asymmetric Wallwash [6] | **LSLV** Linear spread lens vertical distribution [7]<br>**LSLH** Linear spread lens horizontal distribution [7] | **BK** Black Sandblast<br>**MB2** Matte Black Sandblast [8]<br>**N** Natural Sandblast<br>**WH** Smooth white<br>**MATA** Textured black<br>**MATB** Textured white (Matte Bone)<br>**GMATA** Textured graphite<br>**GMATC** Textured cement<br>**WMTA** Textured white<br>**CC** Custom color (Consult factory for options, colors, and lead times) [9] [10] | **NO** On/Off control<br>**LT** Lumentalk [11]<br>**DALI** DALI dimming<br>**0-10** 0-10V dimming<br>**DMX** DMX/RDM (Lutron® EcoSystem® dimming) [12]<br>**DMX/RDM** DMX/RDM (Lutron® EcoSystem® dimming) [12] [13] | **ST** Short Yoke<br>**SHV** 3G ANSI C136.31-2010 Vibration Rating for bridge applications, Corrosion-resistant coating for hostile environments<br>**CR** Corrosion-resistant coating for hostile environments<br>**CRS** CR compliant with Stainless Steel Shielded Screws | **UL** cULus compliant<br>**CE** CE compliant<br>**UKT** UKCA compliant<br>**SPT** SPT compliant<br>**BPT** BPT compliant<br>**TWP** TWP compliant<br>**VERT** VERT compliant | **SP1** 1 ft (0.3 m)<br>**SP2** 2 ft (0.6 m)<br>**SP3** 3 ft (0.9 m)<br>**SP5** 5 ft (1.5 m)<br>**SP7** 7 ft (2.1 m)<br>**SP10** 10 ft (3 m) | **BK** Black<br>**WH** White [14] |

**Notes:**
[1] Select options for availability of static Black/Blue, Amber, 4,000K and RGB+CW.
[2] Order Linear mode to order B-K models.
[3] Factory installed, not field changeable on site.
[4] Cable length is approximate and may be changed in the field.
[5] Field adjustable sometimes sold as a source available, order separately.
[6] Not available with Linear spread lens options.
[7] Luminaires offers a wide selection of NA, CLASSIC BCT colors with a smooth texture and high gloss finish. Please consult factory for availability of standard 7 colors, other fine textures and glosses, or for metallic/alternate color finish, from color matching studio (RAL or NCS).
[8] Minus changes apply for NA, Lisbon. Consult factory for details.
[9] Longer lead times can be expected for custom RAL color finishes.
[10] A custom texture (-CSTX) and unlimited LEDS finish are specified for Luminaire applications. Consult Lumenbeam 2 and Lumentalk wiring and specification sheets for details.
[11] Not available with Class A versatile business options.
[12] Not available with Class A versatile business options. Only.
[13] A minimum of 0.5 cable length for class 2 low-limit applications with CM-DS.
[14] Standard white cable is RAL 9003 signal white. Consult factory for other standard RAL color requests.



# Type X5 - Tree-Mounted Adjustable LED Cylinder - 25 degree optics & 3,200 lm board

**HUME LED** — IP66 RATED

DATE: _____ PROJECT: _____ TYPE: _____

CATALOG NUMBER LOGIC:



*DDV only

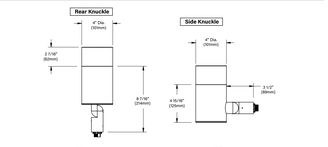
| CATALOG NUMBER LOGIC | | |
|---|---|---|
| Example: HU - LED - TR - xY13 - FL - BLP - 12 - 11 - A - 2 - INC - MT | | |
| **MATERIAL** | | |
| Aluminum | | |
| **SERIES** | | |
| HU - Hume Floodlight | | |
| **SOURCE** | | |
| LED - Cold Phosphor Technology | | |
| **HOUSING** | | |
| TR - Integral Driver | | |
| **LED TYPE** | | |
| Available with Narrow Spot Optic | | Available with NFL, FL, and WFL Optics |
| x105 - 36W/2.7K/80CRI | x109 - 36W/2.7K/90CRI | x113 - 34W/2.7K/80CRI | x117 - 34W/2.7K/90CRI |
| x106 - 36W/3K/80CRI | x110 - 36W/3K/90CRI | x114 - 34W/3K/80CRI | x118 - 34W/3K/90CRI |
| x107 - 36W/3.5K/80CRI | x111 - 36W/3.5K/90CRI | x115 - 34W/3.5K/80CRI | x119 - 34W/3.5K/90CRI |
| x108 - 36W/4K/80CRI | x112 - 36W/4k/90CRI | x116 - 34W/4K/80CRI | x120 - 34W/4K/90CRI |
| **OPTICS** | | | |
| NS - Narrow Spot (11°) | NFL - Narrow Flood (25°) | FL - Flood (40°) | WFL - Wide Flood (59°) |
| **FINISH (See page 2 for full-color swatches)** | | | |
| Standard Finishes (BZP, BLTW, BLP, BLW, WHP, WHW, SAP, VER) | | | |
| Premium Finish (ABP, AMG, AQW, BCM, BGE, BPP, CAP, CMG, CRI, CRM, HUG, MDS, NBP, OCP, RMG, SDS, SMG, TXF, WCP, WHR) | | | |
| Also available in RAL Finishes | | | |
| **LENS TYPE** | | | |
| 9 - Clear (Standard) | 12 - Soft Focus | 13 - Rectilinear | |
| **SHIELDING** | | | |
| 11 - Honeycomb Baffle | | | |
| **CAP STYLE** | | | |
| A - 45° | | | |
| B - 90° | | | |
| C - Flush | | | |
| D - 45° Less Weephole (Interior use only) | | | |
| E - 90° Less Weephole (Interior use only) | | | |
| **KNUCKLE OPTIONS** | | | |
| 1 - Rear Knuckle | 2 - Side Knuckle | | |
| **CONTROL TYPE** | | | |
| ELV - Dimming Driver (For use with Electronic Low Voltage Dimmer)* | | | |
| INC - Dimming Driver (For use with Incandescent Dimmer)* | | | |
| DSI - 0-10V Dimming Driver (Dimming 1 - 100% ) | | | |
| **INPUT VOLTAGE** | | | |
| MT - 120-277 VAC | | | |
| **OPTIONS** | | | |
| TE - Tamper-Resistant | | | |

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10/08/2020 SKU-1340

**HUME LED** — IP66 RATED

DATE: _____ PROJECT: _____ TYPE: _____




* EPA shown includes fixture body
* Fixture Weight = 6lbs

**STANDARD FINISHES**

Satin Black (BLP) · Satin Bronze (BZP) · Satin White (WHP) · Satin Aluminum (SAP)

Black Chrome (BCM) · Beige (BGE) · Weathered Copper (WCP) · Old Copper (OCP)

Black Wrinkle (BLW) · Bronze Wrinkle (BZW) · White Wrinkle (WHW) · Verde (VER)

Weathered Iron (WRI) · Clear Anodized Powder (CAP) · Cream (CRM) · Antique White (AQW) · Natural Brass Powder (NBP)

**PREMIUM FINISHES**

Cascade Mtn. Granite (CMG) · Rocky Mtn. Granite (RMG) · Sierra Mtn Granite (SMG) · Aleutian Mtn Granite (AMG) · Textured Forest (TXF)

Cracked Ice (CRI) · Mojave Desert Sandstone (MDS) · Antique Brass Powder (ABP) · Brown Patina Powder (BPP) · Sonoran Desert Sandstone (SDS)

Weathered Iron (WRI) · Clear Anodized Powder (CAP) · Cream (CRM) · Antique White (AQW) · Natural Brass Powder (NBP)

Click Here to view larger, full-color swatches of all available finishes on our website.

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10/08/2020 SKU-1340

**HUME LED** — IP66 RATED

DATE: _____ PROJECT: _____ TYPE: _____

Accessories *(Configure separately)*:

## SPECIFICATIONS

| | | |
|---|---|---|
| ELECTRICAL | WATTAGE | 34W & 36W LED |
| | WIRING | 18GA Stranded XLPE, 150°C, 600V wire. |
| | DRIVER | With one (1) 900mA, Class II, constant current integral driver. 50/60Hz. >0.9 Power Factor,5A in-rush current (typical at 120VAC), 0.20%THD (nominal at 120VAC full load). Output over-voltage, over-current, and short circuit protection with auto-recovery. Dimming driver for use with 0-10V, Incandescent, Standard TRIAC, or ELV dimmers. 1-100% range. *TRIAC/ELV dimming at 120VAC only. |
| PHYSICAL | OPTICS | Interchangeable OPTIMIT modules permit optical field changes. |
| | MATERIALS | Furnished in copper-free aluminum (6061-T6). |
| | BODY | Umbody design with enclosed, water-proof wireway and integral heat sink is fully machined from solid billet. Anti-condensation and corrosion vent equalizes fixture pressure and eliminates potential for damage to internal components. |
| | KNUCKLE | 360HD Mounting System features a mechanical tapelock, allowing full 180° vertical adjustment without the use of aim-limiting serrated teeth. High temperature, silicone 'O' Ring provides water-tight seal and compressive resistance to maintain fixture position. Design withstands 73 lbs. static load prior to movement for optical alignment with a ½" pipe thread for mounting. Sweat source control additionally provides 360° horizontal rotation in addition to vertical adjustment. Aim & Lock technology allows precision adjustment without the need for tightening or loosening of knuckle screw. 360HD hardware is stainless steel with black oxide treatment for additional corrosion resistance. |
| | CAP | Fully machined and accommodates two (2) tens or louver media. Offered with both tool-less and tamper-resistant options. |
| | FINISH | StarGuard, our 15-stage chromate-free process cleans and conversion coats aluminum components prior to application of Class 'A' TGIC polyester powder coating and is RoHS compliant. |
| | WARRANTY | 5-year limited warranty. |
| | CERTIFICATION & LISTING | UL tested to 8139/4 | IP 79, UL Listed, Certified to CAN/CSA/ANSI Standards. RoHS compliant. Suitable for indoor or outdoor use, in wet locations, and for installation within 4' of the ground. IP66 Rated. Made in the USA with sustainable processes. |

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10/08/2020 SKU-1340

**LAMP & DRIVER DATA**

DATE: _____ PROJECT: _____ TYPE: _____

| DRIVER DATA | Type | AC Input Range | Frequency Hz | Power Factor at Full Load (Efficiency) | THD | In Rush Current | Operating Current | Operation Ambient Temperature | Dimmer Type | Dimmer Range |
|---|---|---|---|---|---|---|---|---|---|---|
| | Integral | 120-277VAC | 50/60 | >0.9 | <20% | 120VAC - 5 / 277VAC - 9 | 900mA | -30°C - 50°C | Triac/ELV/0-10 | 1-100% |

**L70 DATA**

| LM79 DATA | CCT (Typ.) | CRI (Typ.) | Input Watts (Typ.) | Minimum Rated Life (hrs.) 70% of Initial Lumens (L70) | Angle | CBCP | Delivered Lumens | Multiplier |
|---|---|---|---|---|---|---|---|---|
| x105 | 2700K | 80 | 36W | 50,000 | 11 | 23306 | 1500 | 0.88 |
| x109 | 2700K | 90 | 36W | 50,000 | 11 | 16314 | 1050 | 0.70 |
| x106 | 3000K | 80 | 36W | 50,000 | 11 | 27790 | 1750 | 1.04 |
| x110 | 3000K | 90 | 36W | 50,000 | 11 | 19033 | 1225 | 0.70 |
| x107 | 3500K | 80 | 36W | 50,000 | 11 | 29605 | 1648 | 0.98 |
| x111 | 3500K | 90 | 36W | 50,000 | 11 | 17824 | 1154 | 0.70 |
| x108 | 4000K | 80 | 36W | 50,000 | 11 | 28518 | 1681 | |
| x112 | 4000K | 90 | 36W | 50,000 | 11 | 18283 | 1177 | |
| X113 | 2700K | 80 | 34W | 50,000 | 25 | 8372 | 3325 | 0.90 |
| X117 | 2700K | 90 | 34W | 50,000 | 25 | 7470 | 3,099 | 0.8923 |
| X113 | 2700K | 80 | 34W | 50,000 | 40 | 4372 | 3326 | 0.90 |
| X117 | 2700K | 90 | 34W | 50,000 | 40 | 3901 | 2968 | 0.8923 |
| X113 | 2700K | 80 | 34W | 50,000 | 55 | 3556 | 3265 | 0.90 |
| X117 | 2700K | 90 | 34W | 50,000 | 55 | 3173 | 2914 | 0.8923 |
| X114 | 3000K | 80 | 34W | 50,000 | 25 | 8955 | 3587 | 0.91 |
| X118 | 3000K | 90 | 34W | 50,000 | 25 | 7507 | 2981 | 0.8923 |
| X114 | 3000K | 80 | 34W | 50,000 | 40 | 4383 | 3342 | 0.91 |
| X118 | 3000K | 90 | 34W | 50,000 | 40 | 3920 | 2982 | 0.8923 |
| X114 | 3000K | 80 | 34W | 50,000 | 55 | 3573 | 3281 | 0.91 |
| X118 | 3000K | 90 | 34W | 50,000 | 55 | 3189 | 2928 | 0.8923 |
| X115 | 3500K | 80 | 34W | 50,000 | 25 | 8955 | 3587 | 0.91 |
| X119 | 3500K | 90 | 34W | 50,000 | 25 | 7991 | 3174 | 0.8923 |
| X115 | 3500K | 80 | 34W | 50,000 | 40 | 4676 | 3556 | 0.91 |
| X119 | 3500K | 90 | 34W | 50,000 | 40 | 4173 | 3174 | 0.8923 |
| X115 | 3500K | 80 | 34W | 50,000 | 55 | 3804 | 3493 | 0.91 |
| X119 | 3500K | 90 | 34W | 50,000 | 55 | 3394 | 3117 | 0.8923 |
| X116 | 4000K | 80 | 34W | 50,000 | 25 | 9271 | 3682 | |
| X120 | 4000K | 90 | 34W | 50,000 | 25 | 8273 | 3285 | |
| X116 | 4000K | 80 | 34W | 50,000 | 40 | 4841 | 3683 | |
| X120 | 4000K | 90 | 34W | 50,000 | 40 | 4320 | 3286 | |
| X116 | 4000K | 80 | 34W | 50,000 | 55 | 3938 | 3616 | |
| X120 | 4000K | 90 | 34W | 50,000 | 55 | 3514 | 3227 | |

**OPTICS**

| Optic | Angle |
|---|---|
| Narrow Spot | 11° |
| Narrow Spot w/ TS | 13.3x51 |
| Narrow Flood | 25° |
| Flood | 40° |
| Wide Flood | 59° |

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04/24/2020 SKU-844
SLBL2-208-BZ

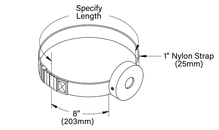
**TREE STRAP JUNCTION BOX (LOW VOLTAGE / LED)** — ORDER FIXTURE SEPARATELY

DATE: _____ PROJECT: _____ TYPE: _____

CATALOG NUMBER LOGIC:



| CATALOG NUMBER LOGIC | |
|---|---|
| Example: B - TS - TMC - BLP - 18 | |
| **MATERIAL** | |
| (Blank) - Aluminum | B - Brass S - Stainless Steel |
| **SERIES** | |
| TS - Tree Strap | |
| **MOUNTING ACCESSORY** | |
| TMC - Tree Mount Canopy Junction Box | |
| **FINISH (See below for full-color swatches)** | |
| Standard Finishes (BZP, BLW, BLP, BLW, WHP, WHW, SAP, VER) | |
| Premium Finish (ABP, AMG, AQW, BCM, BGE, BPP, CAP, CMG, CRI, CRM, HUG, MDS, NBP, OCP, RMG, SDS, SMG, TXF, WCP, WHR) | |
| Also available in RAL Finishes. | |
| Brass Finishes (MAC, POL, MIT) | |
| Stainless Steel Finishes (MAC, POL) | |
| **ADJUSTABLE STRAP LENGTH** | |
| Minimum Padjustable strap (standard) | |




**STANDARD FINISHES**

Satin Black (BLP) · Satin Bronze (BZP) · Satin White (WHP) · Satin Aluminum (SAP)

Black Chrome (BCM) · Bronze Wrinkle (BZW) · White Wrinkle (WHW) · Verde (VER)

Cracked Ice (CRI) · Mojave Desert Sandstone (MDS) · Antique Brass Powder (ABP) · Brown Patina Powder (BPP) · Sonoran Desert Sandstone (SDS)

Weathered Iron (WRI) · Clear Anodized Powder (CAP) · Cream (CRM) · Antique White (AQW) · Natural Brass Powder (NBP)

**PREMIUM FINISHES**

Cascade Mtn. Granite (CMG) · Rocky Mtn. Granite (RMG) · Sierra Mtn Granite (SMG) · Aleutian Mtn Granite (AMG) · Textured Forest (TXF)

Beige (BGE) · Weathered Copper (WCP) · Old Copper (OCP) · Hunter Green (HUG)

Click Here to view larger, full-color swatches of all available finishes on our website.

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04/24/2020 SKU-844
SLBL2-208-BZ

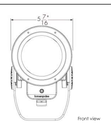
# Type X6 - Round LED Floodlight - 40 degree optics & 1,000 lm board

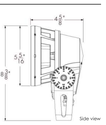
**Specification Sheet** — lumenbeam Small LBS — WHITE AND STATIC COLORS

Project Name _____ Qty _____

Type _____ Catalog / Part Number _____






## Photometric summary

**Symmetric**

| | Delivered output (lm) | Intensity (peak cd) |
|---|---|---|
| XN (4°) | 1031 | 75,454 |
| VN (6°) | 824 | 43,590 |
| NS (10°) | 1290 | 18,876 |
| NF (20°) | 1123 | 11,338 |
| M (30°) | 1179 | 6532 |
| FL (40°) | 1057 | 2691 |
| WFL (60°) | 888 | 693 |

**Asymmetric**

| | Delivered output (lm) | Intensity (peak cd) |
|---|---|---|
| NAS | 861 | 12,737 (82.5°) |
| WW | 1005 | 2739 (85°) |

Based on 4000K configuration.
Photometric performance is measured in compliance with IESNA LM-79-08.

## Optics

XN (4°) VN (6°) NS (10°) NF (20°) M (30°)

FL (40°) WFL (60°) NAS WW

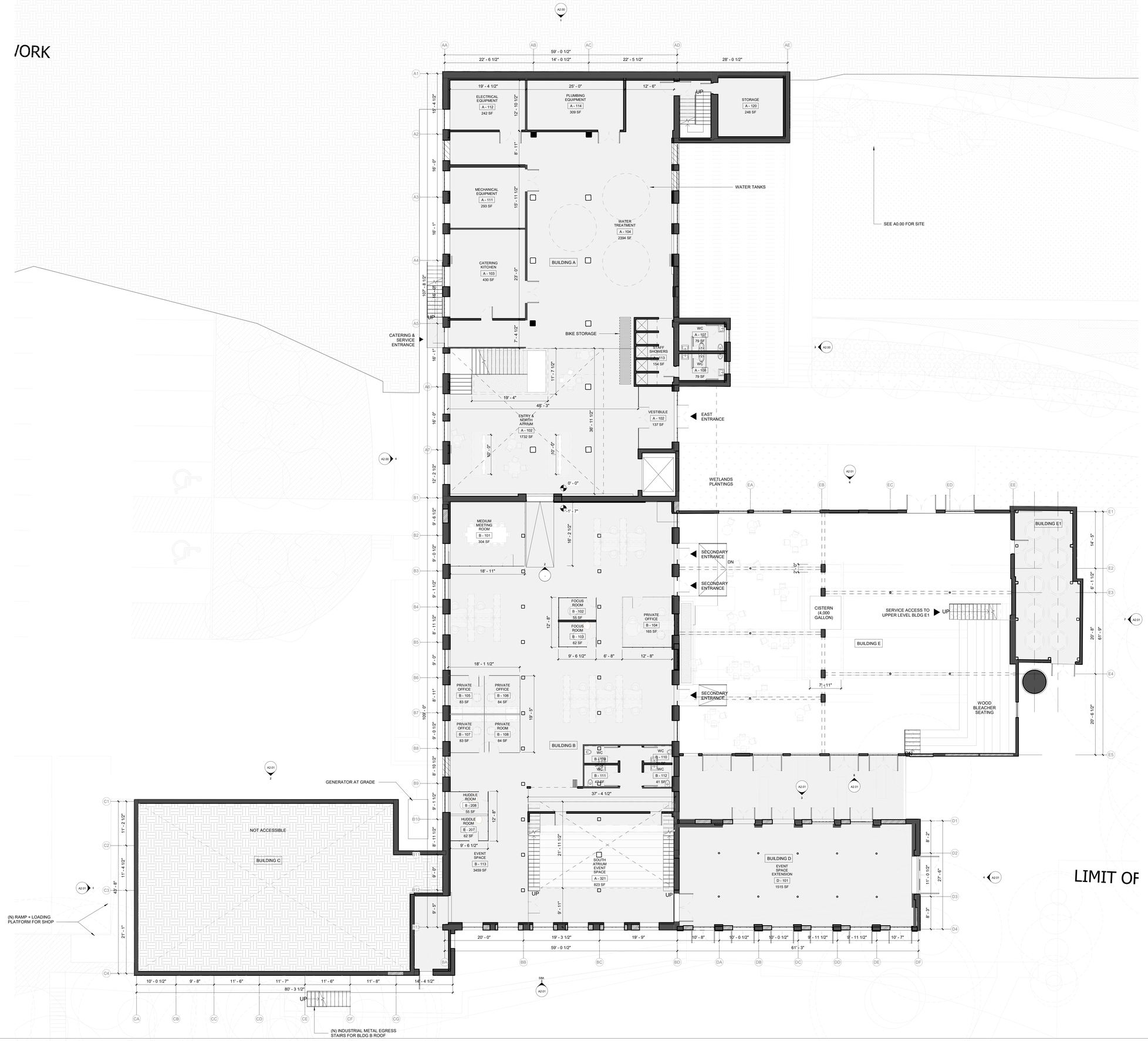
## Description

The Lumenbeam Small is a compact, IP64-rated luminaire for lighting landscapes, trees, columns, monuments, and architectural details. It has numerous options, including optics for flood or accent lighting, a choice of color temperatures and colors, as well as various accessories, spread lenses, and controls. The luminaire also has an anti-corrosion option for use in harsh, chemical, or coastal environments.

## Features

| | |
|---|---|
| **Color and Color Temperature** | 2200K, 2700K, 3000K, 3500K, 4000K, 5700

/ORK




| REV No. | Description | ISSUE Date |
|---|---|---|
| 1. | PLANNING BOARD SUBMISSION | 08/02/21 |
| 2. | PLANNING BOARD SUBMISSION | 09/02/21 |

NOTES

Architect

## MASS DESIGN GROUP

289 MAIN STREET
SUITE 101
POUGHKEEPSIE NY 12601

Landscape Consultant

## STOSS

54 OLD COLONY AVENUE,
THIRD FLOOR
BOSTON MA 02127

Civil Engineering

## CHAZEN

21 FOX ST
POUGHKEEPSIE NY 12601

Structural Engineer

## SILMAN

32 OLD SLIP
NEW YORK NY 10005

Sustainability Engineer

## TRANSSOLAR KLIMA ENGINEERING

200 EAST 23RD STREET
SUITE 403
NEW YORK NY 10010

MEP Engineer

## VANDERWEIL ENGINEERS

1001 6TH AVE
NEW YORK NY 10018

FP AND Code Consultant

## HOWE ENGINEERS

101 LONGWATER CIRCLE
SUITE 203
NORWELL MA 02061

Lighting Consultant

## SCHWINGHAMMER

335 W 38TH STREET #1
NEW YORK NY 10018

Acoustic Consultant

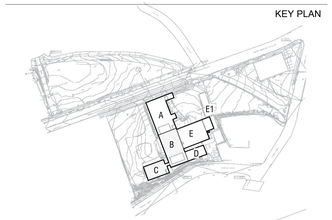
## WSDG

262 MARTIN AVE
HIGHLAND NY 12528

STAMP + SIGNATURE




KEY PLAN




**MASS.**

OWNER:
NORTHSIDE JUNCTION LLC,
1 CIVIC CENTER PLAZA, STE 200
POUGHKEEPSIE, NY, 12601

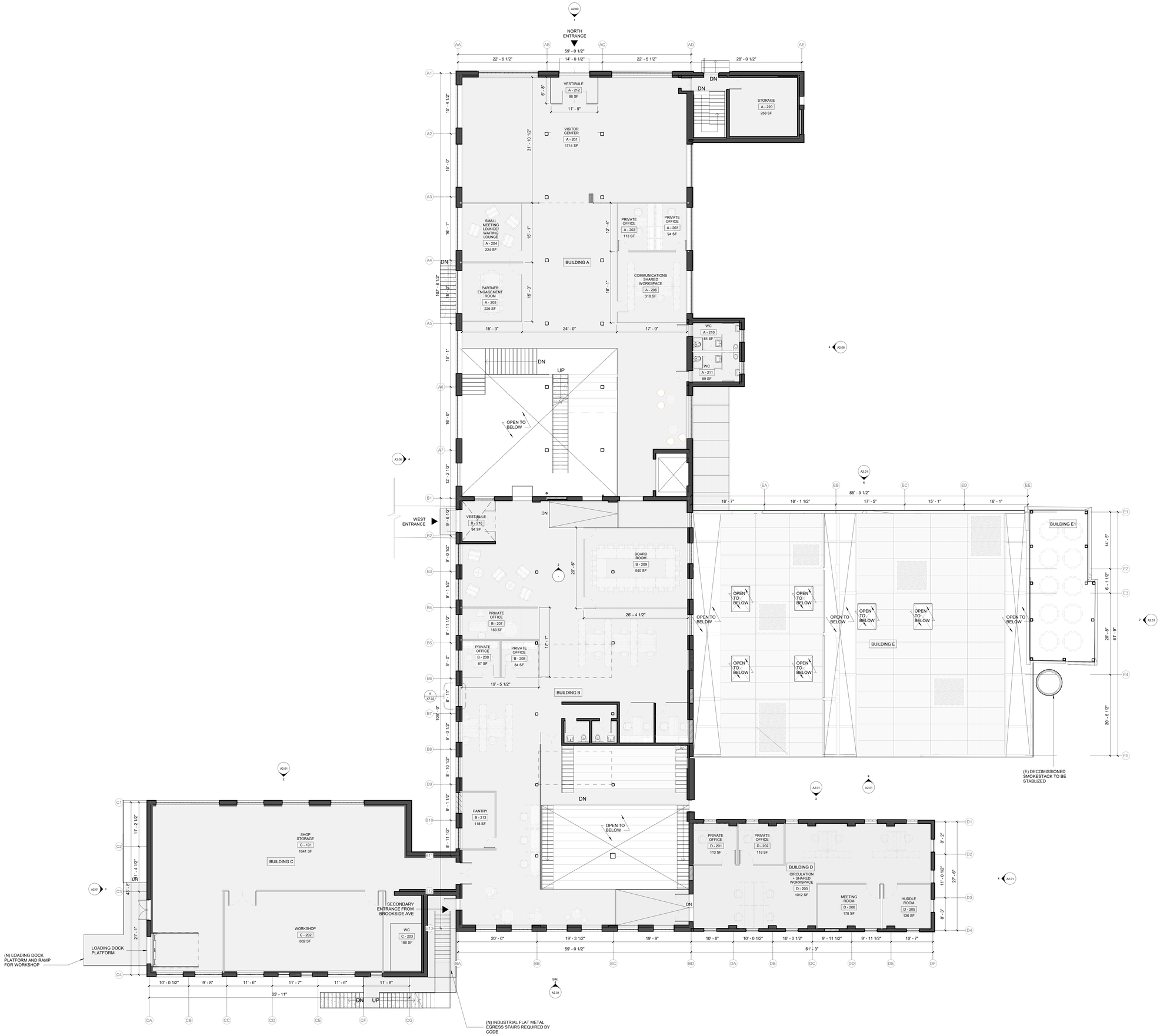
58 PARKER AVE
POUGHKEEPSIE NY 12601

PLANNING BOARD SUBMISSION

09/02/21

LEVEL 1 PLAN

**A1.00**
1/8" = 1'-0"




| REV No. | Description | ISSUE Date |
|---|---|---|
| 1. | PLANNING BOARD SUBMISSION | 08/02/21 |
| 2. | PLANNING BOARD SUBMISSION | 09/02/21 |

NOTES

Architect

## MASS DESIGN GROUP

289 MAIN STREET
SUITE 101
POUGHKEEPSIE NY 12601

Landscape Consultant

## STOSS

54 OLD COLONY AVENUE,
THIRD FLOOR
BOSTON MA 02127

Civil Engineering

## CHAZEN

21 FOX ST
POUGHKEEPSIE NY 12601

Structural Engineer

## SILMAN

32 OLD SLIP
NEW YORK NY 10005

Sustainability Engineer

## TRANSSOLAR KLIMA ENGINEERING

200 EAST 23RD STREET
SUITE 403
NEW YORK NY 10010

MEP Engineer

## VANDERWEIL ENGINEERS

1001 6TH AVE
NEW YORK NY 10018

FP AND Code Consultant

## HOWE ENGINEERS

101 LONGWATER CIRCLE
SUITE 203
NORWELL MA 02061

Lighting Consultant

## SCHWINGHAMMER

335 W 38TH STREET #1
NEW YORK NY 10018

Acoustic Consultant

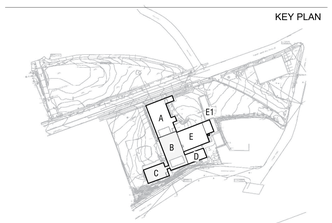
## WSDG

262 MARTIN AVE
HIGHLAND NY 12528

STAMP + SIGNATURE




KEY PLAN



MASS.

OWNER:
NORTHSIDE JUNCTION LLC,
1 CIVIC CENTER PLAZA, STE 200
POUGHKEEPSIE, NY, 12601

58 PARKER AVE
POUGHKEEPSIE NY 12601

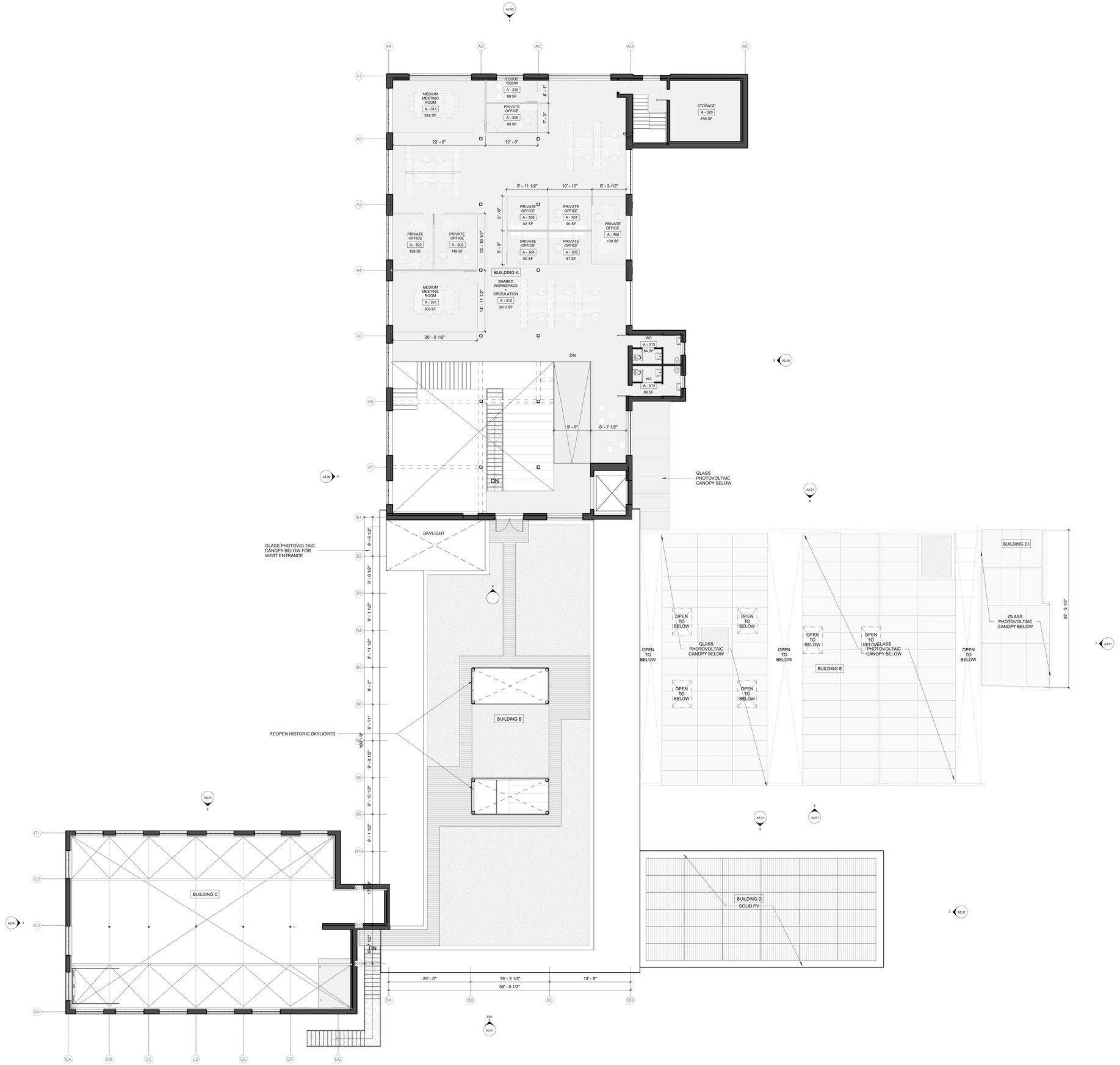
PLANNING BOARD SUBMISSION

09/02/21

LEVEL 2 PLAN

# A1.01

1/8" = 1'-0"




| REV No. | Description | ISSUE Date |
|---|---|---|
| 1. | PLANNING BOARD SUBMISSION | 08/02/21 |
| 2. | PLANNING BOARD SUBMISSION | 09/02/21 |

NOTES

Architect

## MASS DESIGN GROUP

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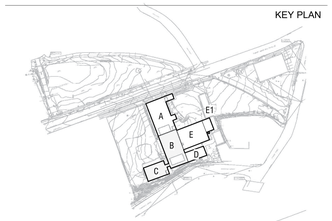
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58 PARKER AVE
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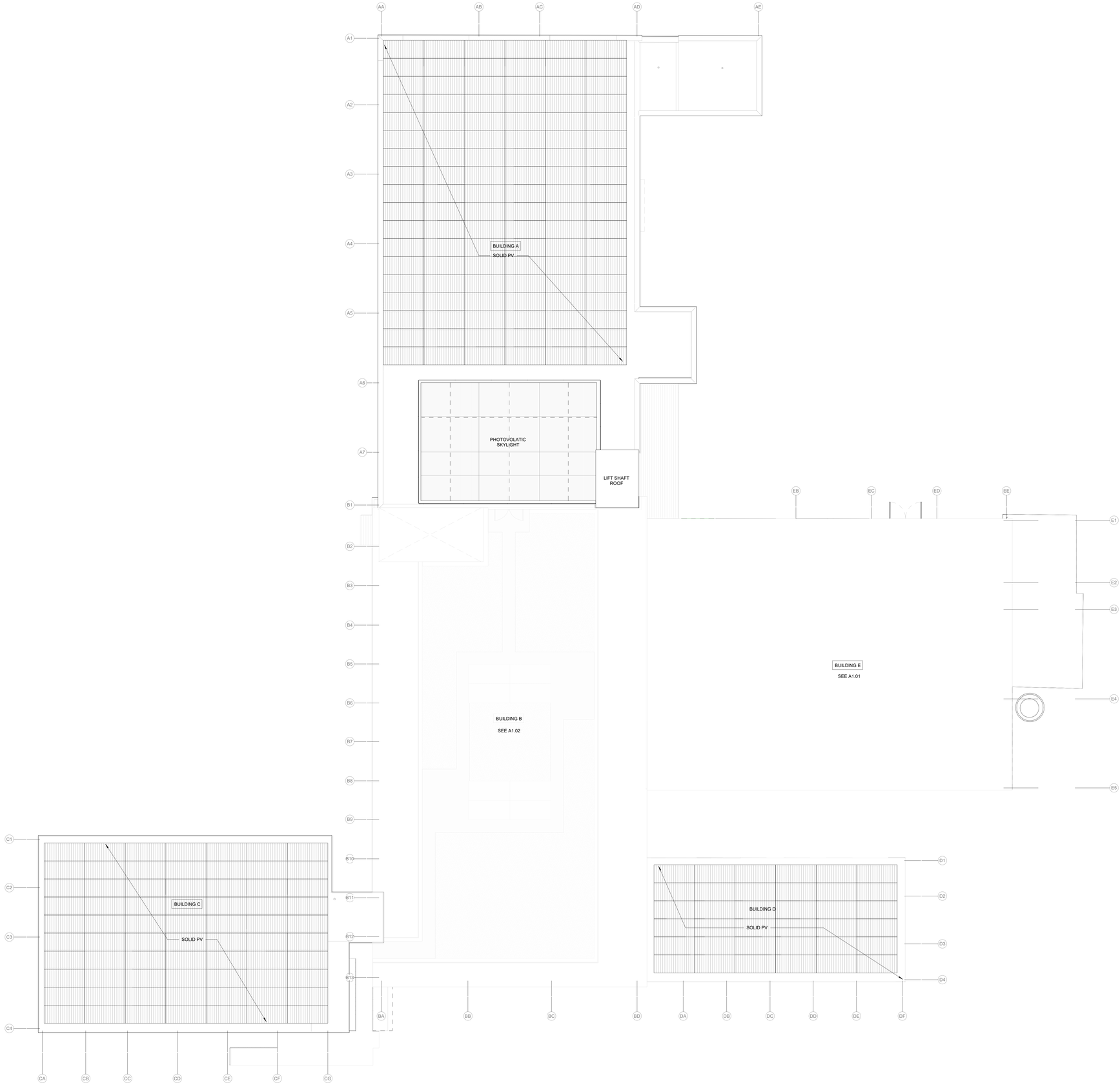
PLANNING BOARD SUBMISSION

09/02/21

LEVEL 3 PLAN

**A1.02**

1/8" = 1'-0"




| REV No. | Description | ISSUE Date |
|---|---|---|
| 1. | PLANNING BOARD SUBMISSION | 08/02/21 |
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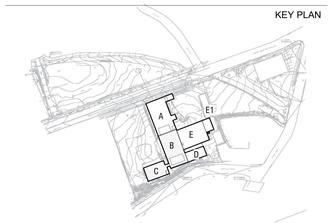
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POUGHKEEPSIE, NY, 12601

58 PARKER AVE
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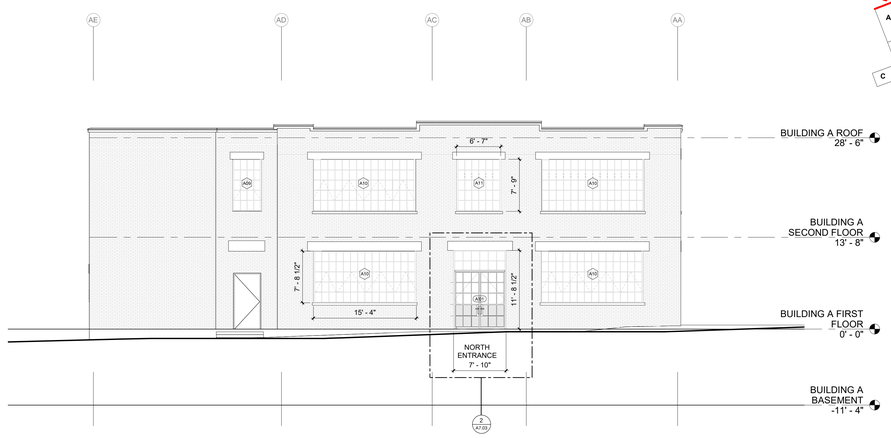
PLANNING BOARD SUBMISSION

09/02/21

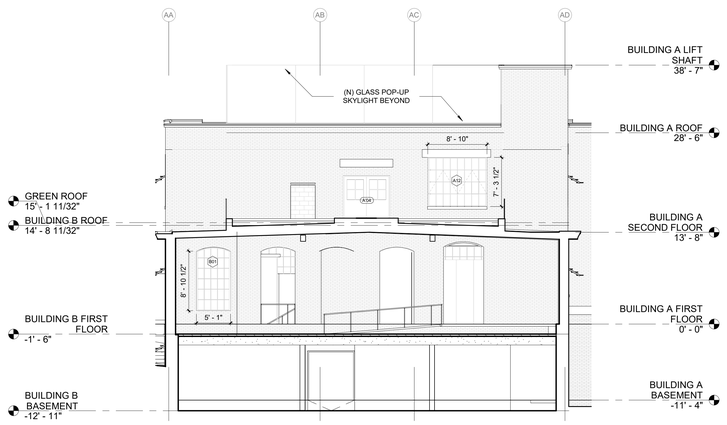
ROOF PLAN

# A1.03

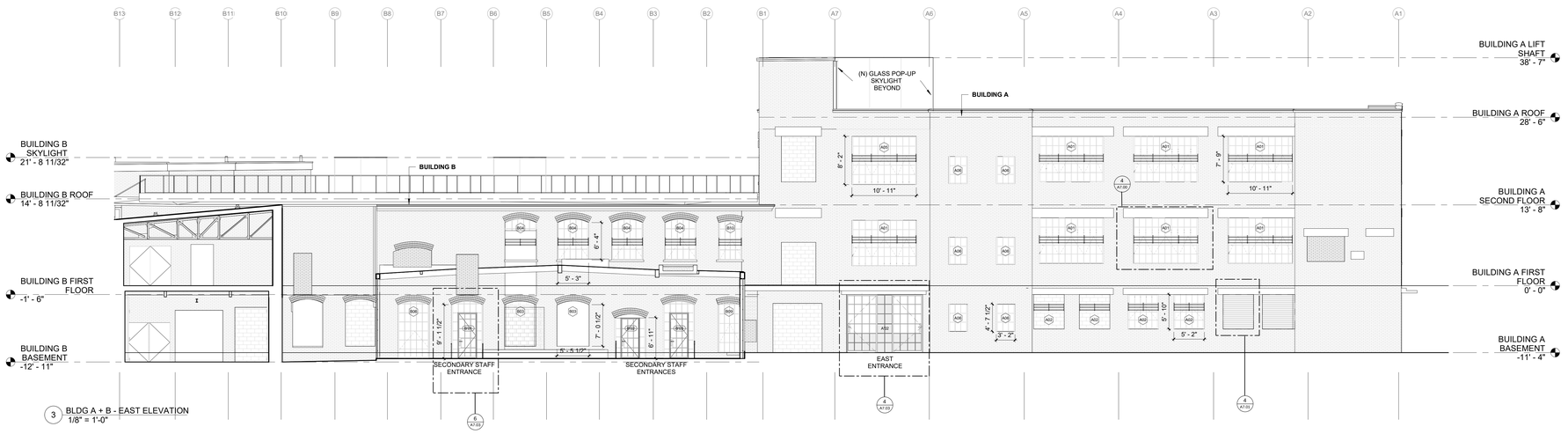
1/8" = 1'-0"



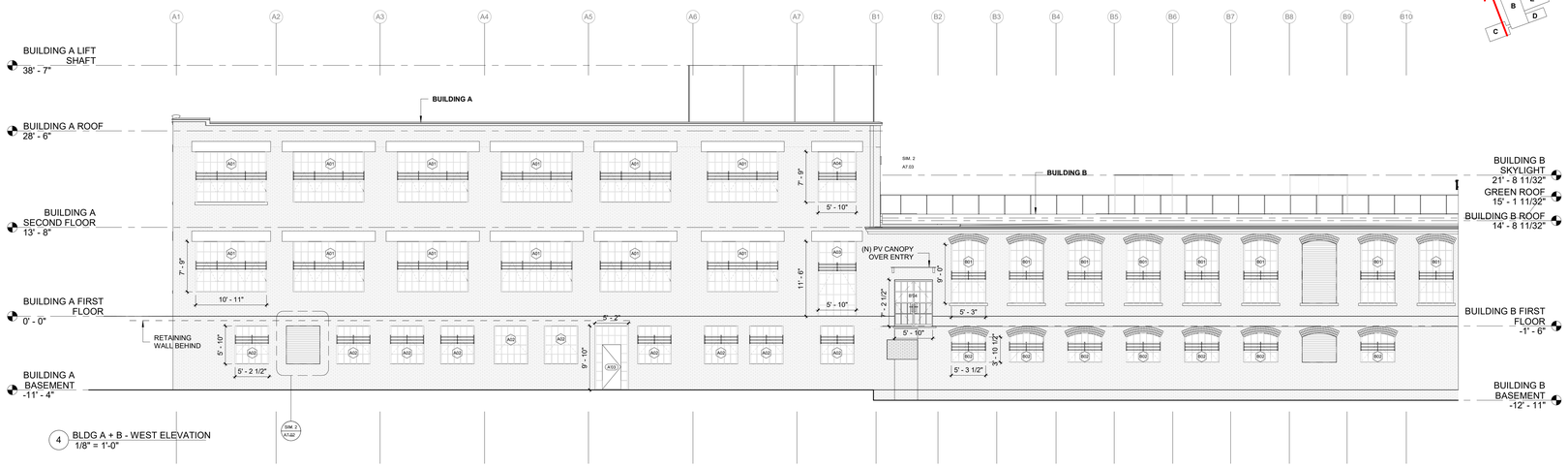

1 BLDG A - NORTH ELEVATION
1/8" = 1'-0"




2 BLDG A - SOUTH ELEVATION
1/8" = 1'-0"




3 BLDG A + B - EAST ELEVATION
1/8" = 1'-0"




4 BLDG A + B - WEST ELEVATION
1/8" = 1'-0"

**ELEVATION KEY**

- (E) BRICK
- (E) CMU
- (N) INFILL

**WINDOW SCHEDULE**

| WINDOW | NUMBER | DIMENSION (W x H) | OPERABLE | SHADE |
|---|---|---|---|---|
| A01 | 19 | 10' - 11" x 7' - 9" | YES | 30 DEGREE |
| A02 | 14 | 5' - 2" x 5' - 10" | YES | 30 DEGREE |
| A03 | 1 | 5' -10" x 11' - 6" | YES | 30 DEGREE |
| A04 | 1 | 5' - 10" x 7' - 9" | YES | 30 DEGREE |
| A05 | 1 | 10' - 11" x 8' - 2" | YES | 30 DEGREE |
| A06 | 6 | 3' - 2" x 4' - 7 1/2" | YES | 30 DEGREE |
| A09 | 1 | 3' - 7" x 7' - 9" | YES | NONE |
| A10 | 4 | 15' - 4" x 7' - 9" | YES | NONE |
| A11 | 1 | 6' - 7" x 7' - 9" | NO | NONE |
| A12 | 1 | 8' - 10" x 7' - 3 1/2" | YES | HORIZ. |
| B01 | 8 | 5' - 3" x 9' - 0" | YES | 30 DEGREE |
| B01 | 6 | 5' - 3" x 9' - 0" | YES | HORIZ. |
| B01' | 1 | 5' - 1" x 8' - 10 1/2" | NO | NONE |
| B02 | 7 | 5' - 3" x 3' - 10 1/2" | YES | 30 DEGREE |
| B03 | 2 | 5' - 5 1/2" x 7' - 0 1/2" | YES | NONE |
| B04 | 4 | 5' - 3" x 6' - 4" | YES | 30 DEGREE |
| B06 | 1 | 5' - 5 1/2" x 9' - 0" | YES | NONE |
| B09 | 1 | 3' - 0" x 8' - 6" | YES | NONE |
| B10 | 1 | 3' - 0" x 6' - 4" | YES | 30 DEGREE |
| B11 | 6 | 5' - 3" x 7' - 7 1/2" | YES | HORIZ. |
| C01 | 9 | 6' - 10" x 5' - 4" | YES | HORIZ. |
| C01 | 3 | 6' - 10" x 5' - 4" | YES | 30 DEGREE |
| C01 | 6 | 6' - 10" x 5' - 4" | YES | NONE |
| C02 | 2 | 6' - 10" x 7' - 0" | NO | NONE |
| C03 | 1 | 6' - 10" x 16' - 0" | NO | NONE |
| C04 | 5 | 2' - 11" x 3' - 0" | YES | HORIZ. |
| C05 | 1 | 8' - 5" x 8' - 2 1/2" | NO | NONE |
| D01 | 5 | 3' - 3" x 5' - 4" | YES | HORIZ. |
| D01 | 8 | 3' - 3" x 5' - 4" | YES | NONE |

**EXTERIOR DOOR SCHEDULE**

| DOOR | NUMBER | DIMENSION (W x H) | TYPE | HARDWARE |
|---|---|---|---|---|
| A'01 | 1 | 7' - 10" x 11' 8 1/2" | INTEGRATED | AUTOMATIC OPENER |
| A'02 | 1 | 13' - 0" x 9' - 9 1/2" | INTEGRATED | TYP. |
| A'03 | 1 | 5' - 2" x 9' - 10" | INTEGRATED | AUTOMATIC OPENER |
| B'01 | 1 | 5' - 5 1/2" x 9' - 1 1/2" | INTEGRATED | TYP. |
| B'02 | 1 | 5' - 5 1/2" x 6' - 11" | INTEGRATED | TYP. |
| B'03 | 1 | 5' - 5 1/2" x 9' - 1 1/2" | INTEGRATED | TYP. |
| B'04 | 1 | 5' - 10" x 7' 2 1/2" | INTEGRATED | TYP. |
| C'01 | 1 | 5' - 4" x 6' - 9" | SERVICE | TYP. |
| C'02 | 1 | 8' - 0" x 9' - 4 1/2" | OVERHEAD GAR. | TYP. |
| D'01 | 10 | 5' - 6" x 11 1/2" | INTEGRATED | TYP. |

**SMOKE CONTROL**

TOTAL OF 210 SF FACE AREA VENTILATION REQUIRED FOR EMERGENCY SMOKE CONTROL

(N) 50% FREE AREA LOUVERS IN (E) OPENINGS FOR 102 SF WEST ELEVATION AS NOTED
(N) 50% FREE AREA LOUVERS IN (E) OPENINGS FOR 120 SF OF EAST ELEVATION AS NOTED

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Architect

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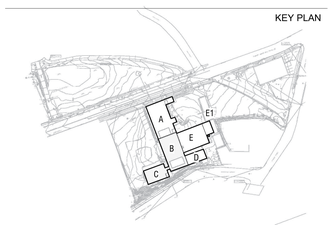
WSDG

262 MARTIN AVE
HIGHLAND NY 12528


STAMP + SIGNATURE

REGISTERED ARCHITECT
ALAN A. RICKS
024101
STATE OF NEW YORK

KEY PLAN




MASS.

OWNER:
NORTHSIDE JUNCTION LLC,
1 CIVIC CENTER PLAZA, STE 200
POUGHKEEPSIE, NY, 12601

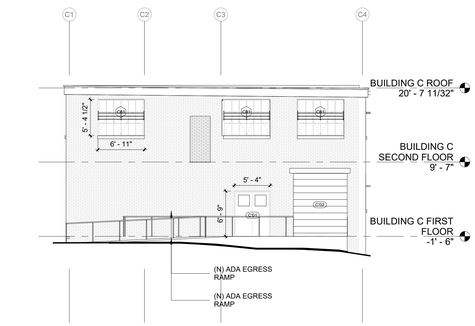
58 PARKER AVE
POUGHKEEPSIE NY 12601

PLANNING BOARD SUBMISSION

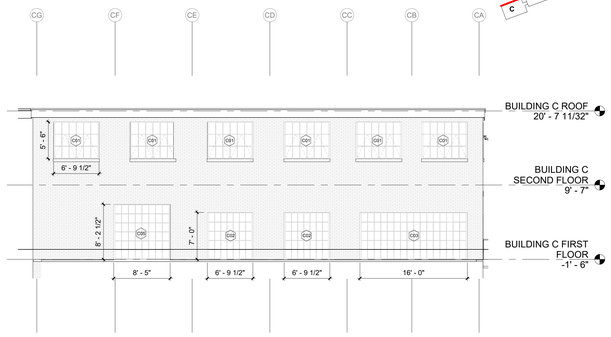
09/02/21

BUILDINGS A + B
ELEVATIONS

**A2.00**
As indicated



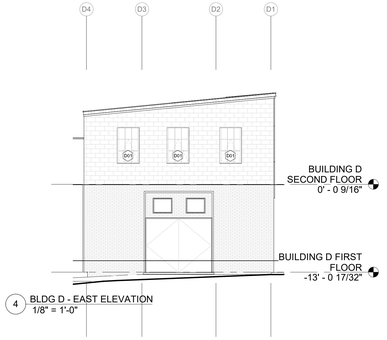

1 BLDG C - WEST ELEVATION
1/8" = 1'-0"



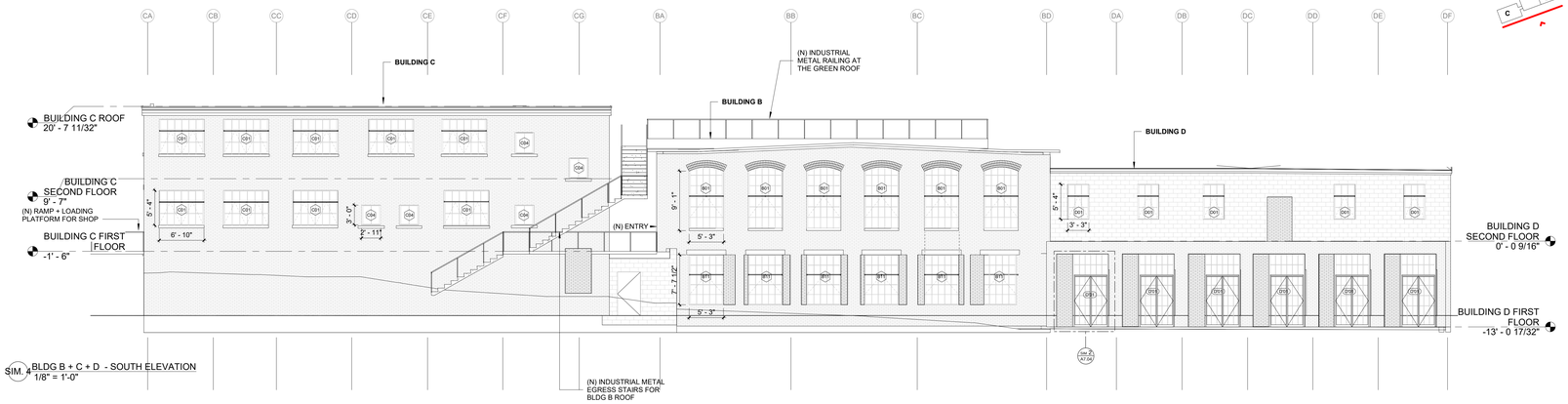

2 BLDG C - NORTH ELEVATION
1/8" = 1'-0"



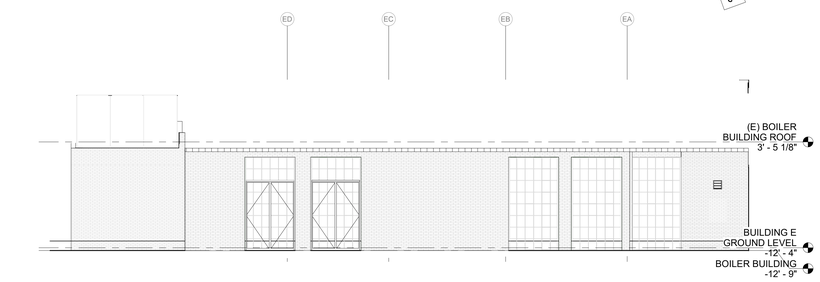

3 BLDG D - NORTH ELEVATION
1/8" = 1'-0"



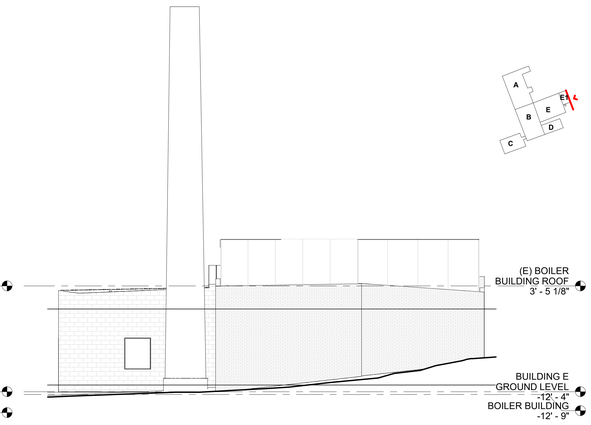

4 BLDG D - EAST ELEVATION
1/8" = 1'-0"



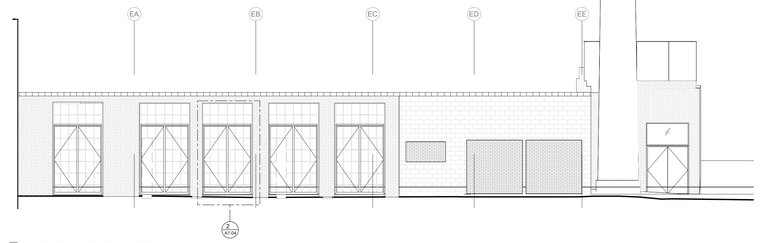

SIM. A BLDG B + C + D - SOUTH ELEVATION
1/8" = 1'-0"




6 BLDG E - NORTH ELEVATION
1/8" = 1'-0"




7 BLDG E - EAST ELEVATION
1/8" = 1'-0"




8 BLDG E - SOUTH ELEVATION
1/8" = 1'-0"

**ELEVATION KEY**

- (E) BRICK
- (E) CMU
- (N) INFILL

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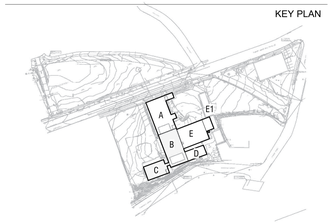
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041014-1
STATE OF NEW YORK

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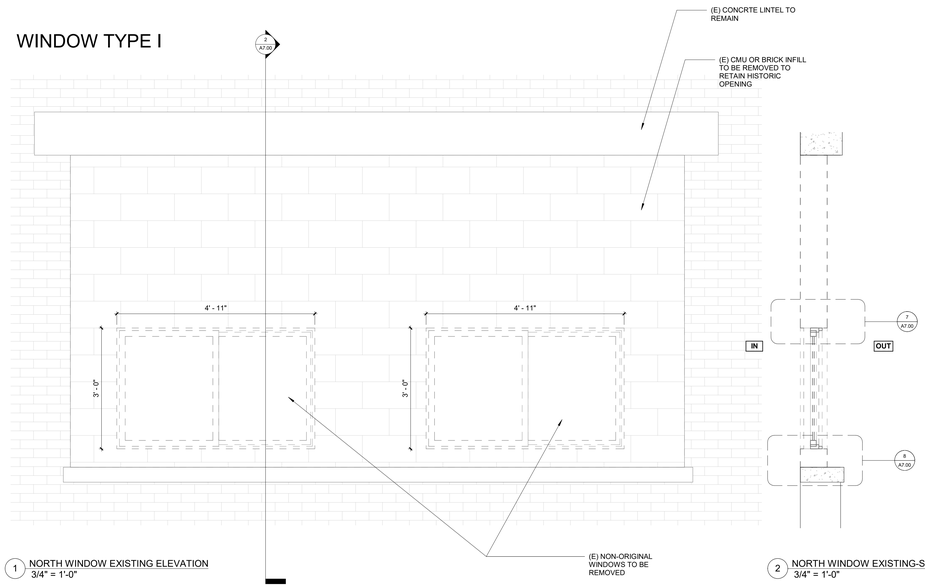
PLANNING BOARD SUBMISSION

09/02/21

BUILDINGS C + D + E
ELEVATIONS

**A2.01**
As indicated

# WINDOW TYPE I



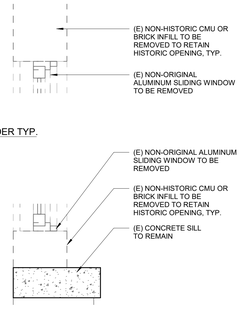

1 NORTH WINDOW EXISTING ELEVATION
3/4" = 1'-0"




2 NORTH WINDOW EXISTING-SECTION
3/4" = 1'-0"




3 NORTH WINDOW EXISTING-PLAN
3/4" = 1'-0"

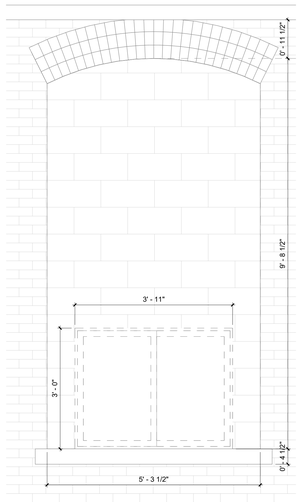



7 EXISTING WINDOW HEADER TYP.
1 1/2" = 1'-0"

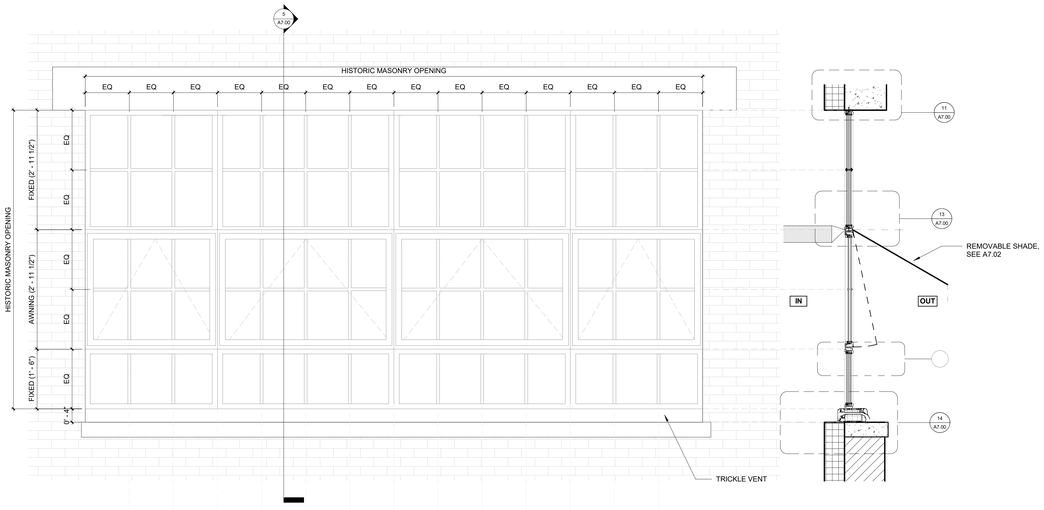



8 EXISTING WINDOW FOOTER, TYP.
1 1/2" = 1'-0"

# WINDOW TYPE II



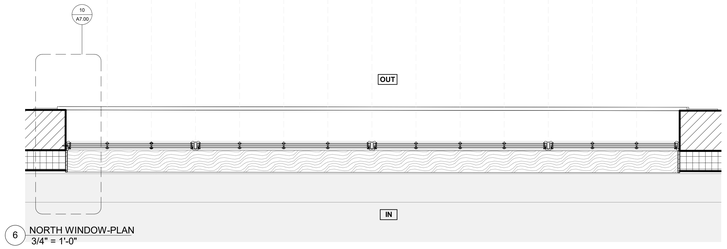

16 E-W WINDOWS B1 EXISTING - ELEVATION
3/4" = 1'-0"



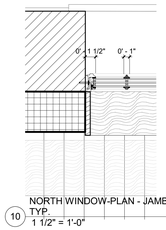

4 NORTH WINDOW ELEVATION
3/4" = 1'-0"



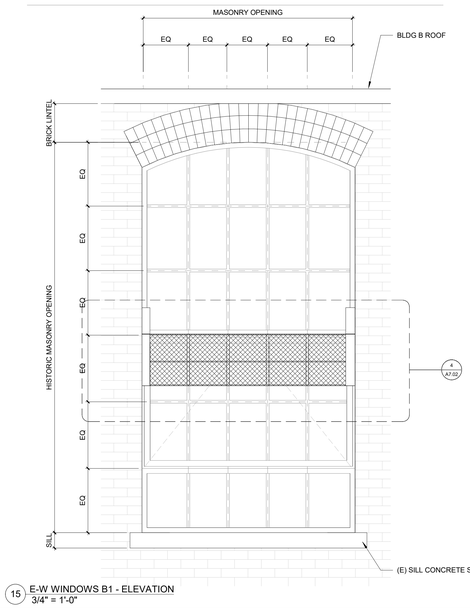

5 NORTH WINDOW-SECTION
3/4" = 1'-0"



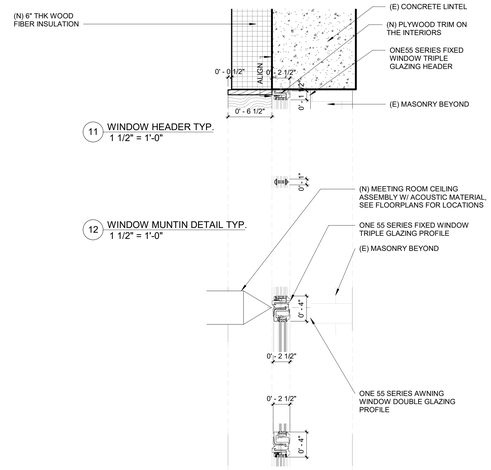

6 NORTH WINDOW-PLAN
3/4" = 1'-0"




10 NORTH WINDOW-PLAN - JAMB DETAIL TYP.
1 1/2" = 1'-0"



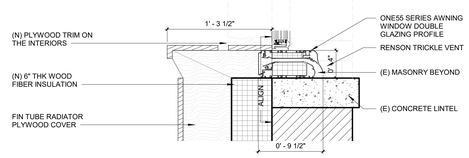

15 E-W WINDOWS B1 - ELEVATION
3/4" = 1'-0"




11 WINDOW HEADER TYP.
1 1/2" = 1'-0"




12 WINDOW MUNTIN DETAIL TYP.
1 1/2" = 1'-0"




13 COMBINATION WINDOW DETAIL TYP.
1 1/2" = 1'-0"

14 TRICKLE VENT + WINDOW FOOTER DETAIL TYP.
1 1/2" = 1'-0"

PROPOSED WINDOWS:
HOPE'S WINDOW ONE55 SERIES - STEEL COMBINATION WINDOW (FIXED + AWNING) WITH TRIPLE GLAZING

| REV No. | Description | ISSUE Date |
|---|---|---|
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| 2. | PLANNING BOARD SUBMISSION | 10/05/21 |

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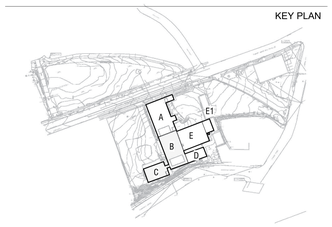
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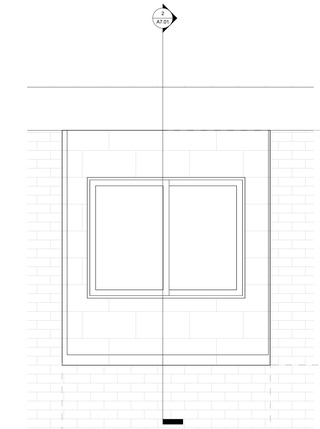
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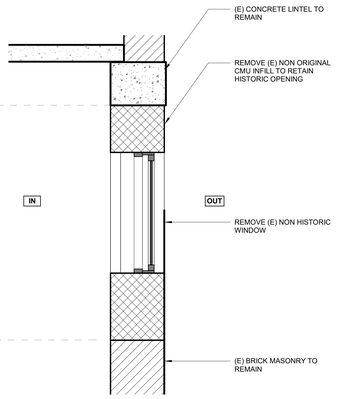
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WINDOW TYPE I + II DETAILS

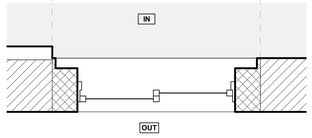
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As indicated



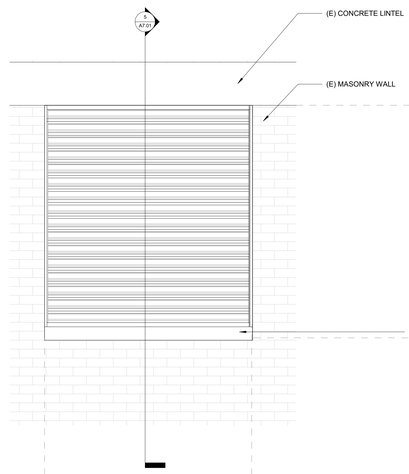

1 TYPE III WINDOW EXISTING_ELEVATION
3/4" = 1'-0"



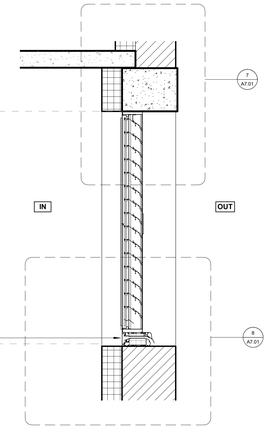

2 TYPE III WINDOW EXISTING_SECTION
3/4" = 1'-0"



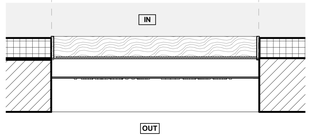

6 TYPE 3 WINDOW EXISTING_PLAN
3/4" = 1'-0"



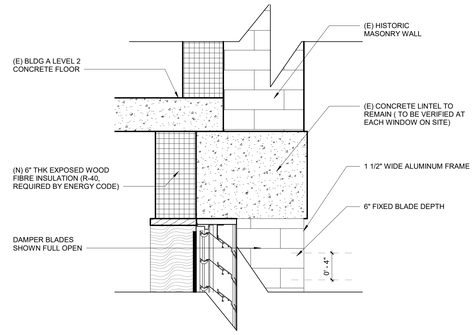

4 TYPE III WINDOW_ELEVATION
3/4" = 1'-0"



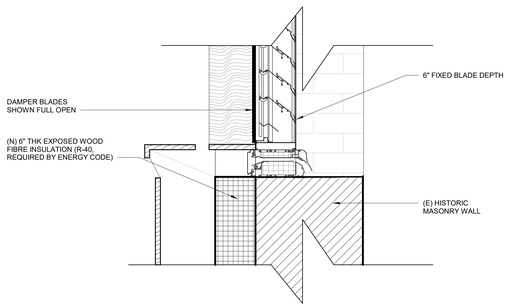

5 TYPE III WINDOW SECTION
3/4" = 1'-0"




6 TYPE III WINDOW PLAN
3/4" = 1'-0"




7 TYPE III WINDOW SECTION - HEADER
1 1/2" = 1'-0"

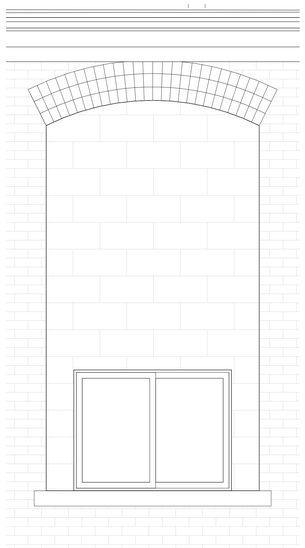



8 TYPE III WINDOW SECTION - FOOTER
1 1/2" = 1'-0"

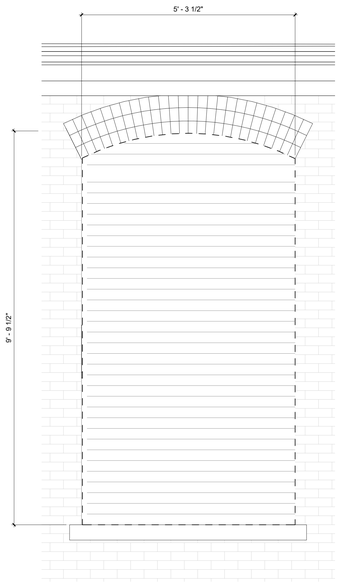
LOUVERS ARE REQUIRED BY FIRE CODE TO COMPENSATE FOR MAKE UP AIR REQUIRED BY SMOKE EXHAUST FANS.

PROPOSED REPLACEMENT :
RUSKIN - ELBD375E AUTOMATIC EXHAUST DUAL COMBINATION ALUMINUM LOUVER.

## WINDOW TYPE IV



11 TYPE IV WINDOW EXISTING ELEVATION
3/4" = 1'-0"




10 TYPE IV WINDOW_ELEVATION
3/4" = 1'-0"

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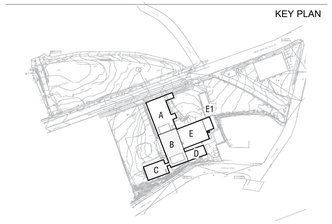
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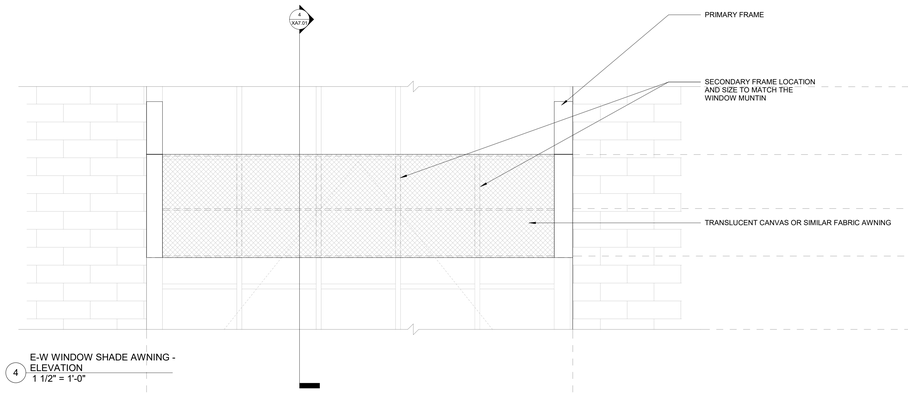
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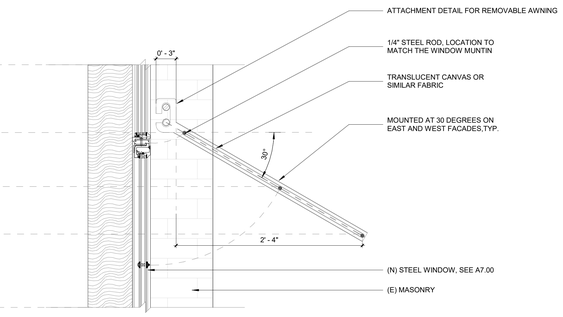
10/05/21

WINDOW TYPE III + IV DETAILS

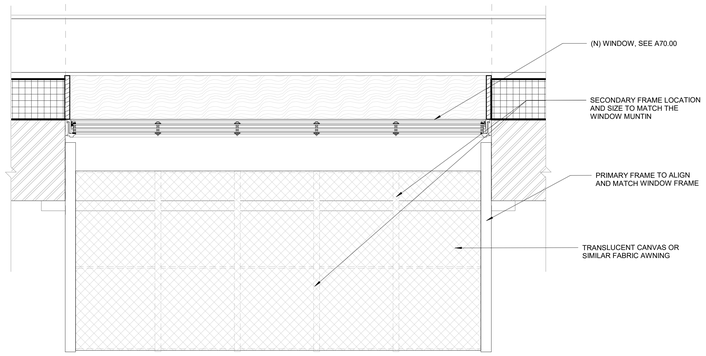
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As indicated

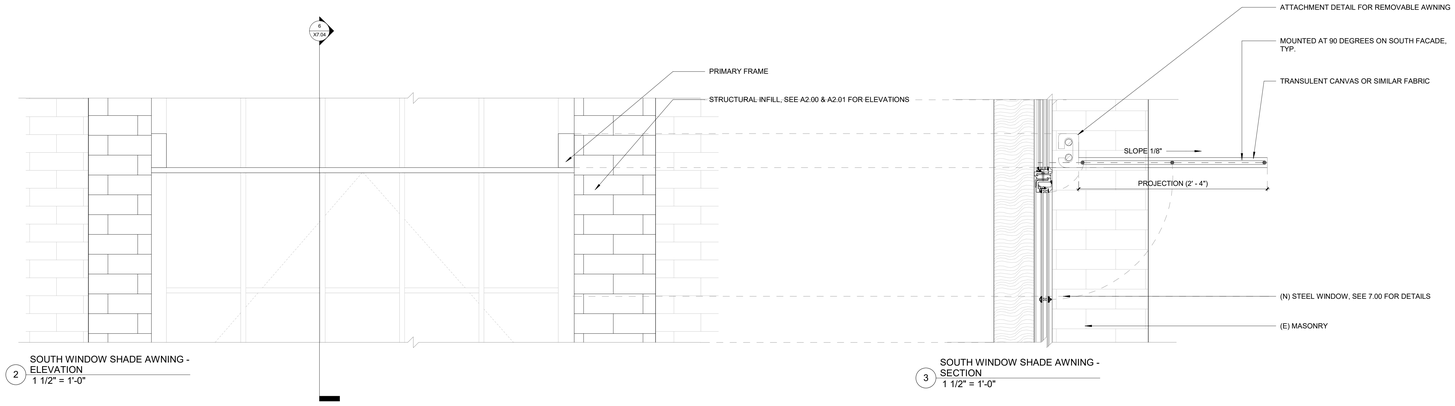



4 E-W WINDOW SHADE AWNING - ELEVATION
1 1/2" = 1'-0"




6 E-W WINDOW SHADE AWNING - SECTION
1 1/2" = 1'-0"

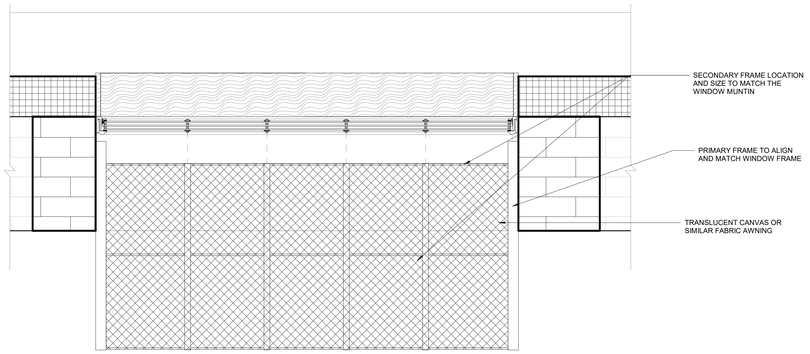



2 SOUTH WINDOW SHADE AWNING - ELEVATION
1 1/2" = 1'-0"




3 SOUTH WINDOW SHADE AWNING - SECTION
1 1/2" = 1'-0"




1 SOUTH WINDOW SHADE AWNING - PLAN
1 1/2" = 1'-0"

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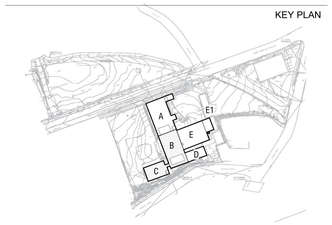
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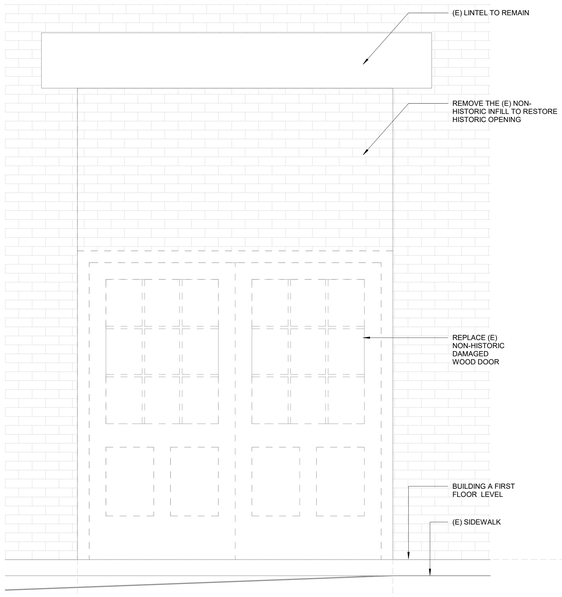
10/05/21

SHADE DETAILS

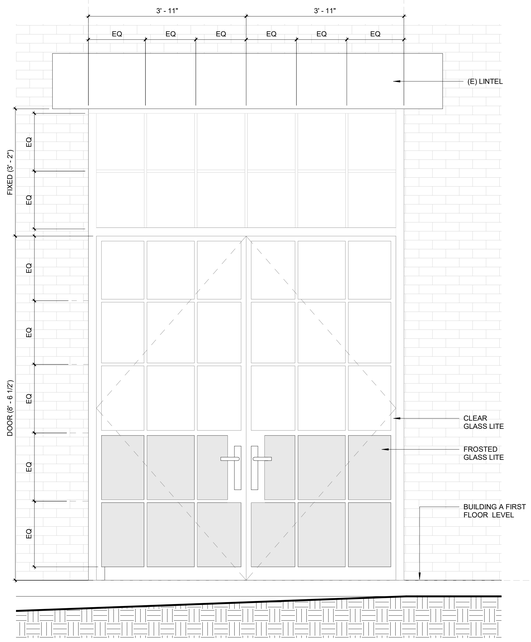
A7.02
1 1/2" = 1'-0"

## BLDG A - PARKER AVE ENTRANCE

PROPOSED DOOR:
HOPE'S DOOR ONE55 SERIES - STEEL OUTSWING DOUBLE DOOR WITH DOUBLE GLAZING



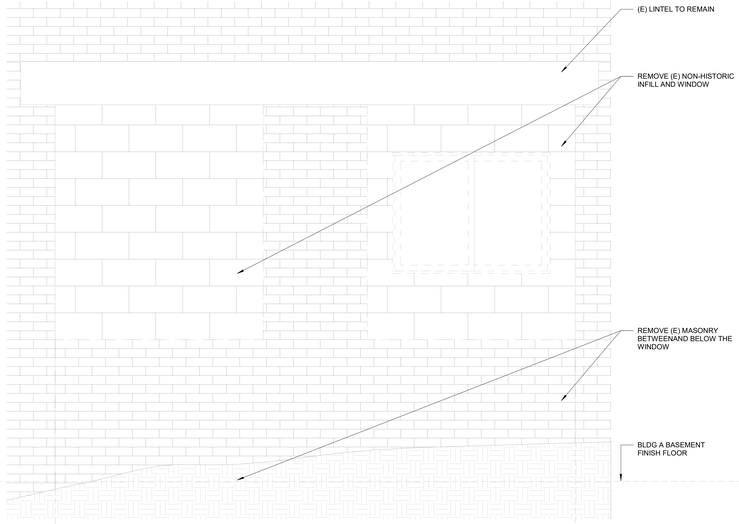

1 NORTH ENTRANCE EXISTING - ELEVATION
3/4" = 1'-0"



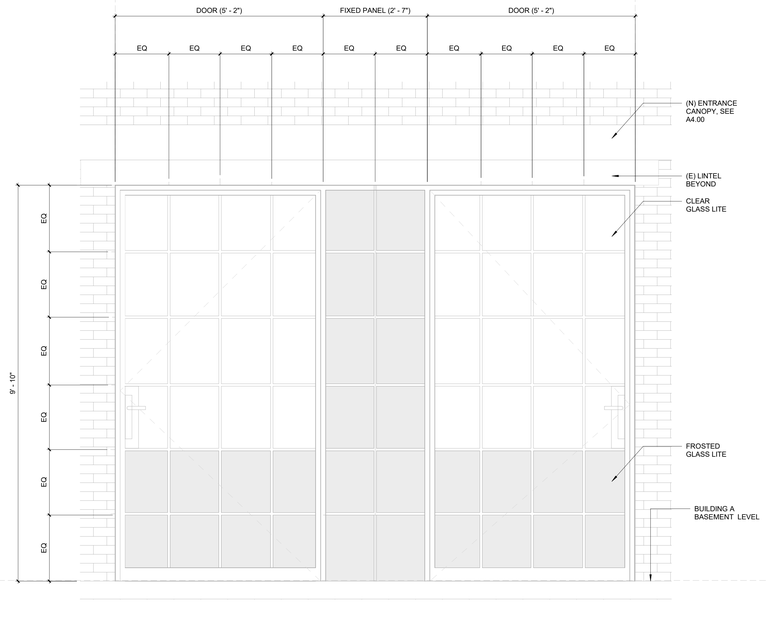

2 NORTH ENTRANCE - ELEVATION
3/4" = 1'-0"

## BLDG A - EAST ENTRANCE

PROPOSED DOOR:
HOPE'S DOOR ONE55 SERIES - STEEL OUTSWING SINGLE DOOR WITH DOUBLE GLAZING AND FIXED TRIPLE GLAZING PANELS



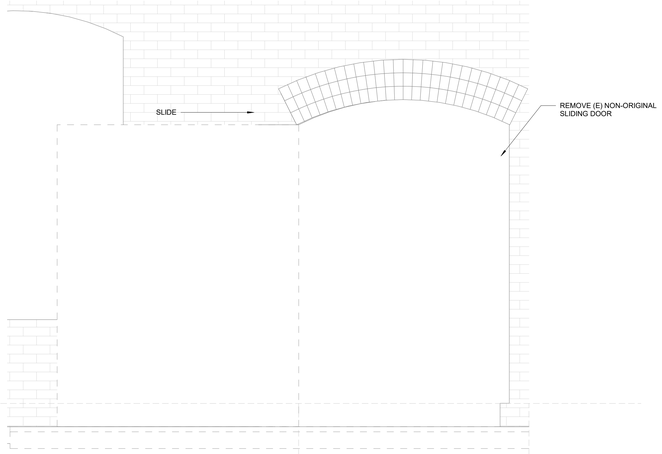

3 FALL KILL ENTRANCE EXISTING_ELEVATION
3/4" = 1'-0"



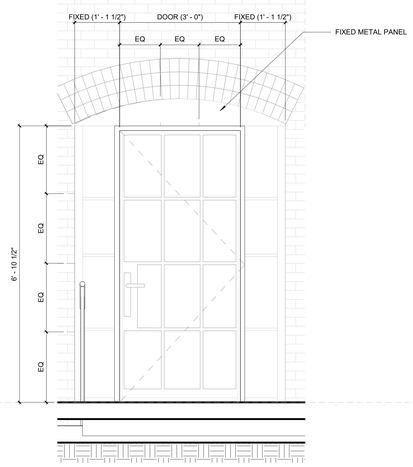

4 FALL KILL ENTRANCE_ELEVATION
3/4" = 1'-0"

## BLDG B - EAST ENTRANCE

PROPOSED DOOR:
HOPE'S DOOR ONE55 SERIES - STEEL OUTSWING SINGLE DOOR WITH DOUBLE GLAZING AND FIXED TRIPLE GLAZING PANELS




5 EAST ENTRANCE B EXISTING - ELEVATION
3/4" = 1'-0"




6 EAST ENTRANCE B - ELEVATION
3/4" = 1'-0"

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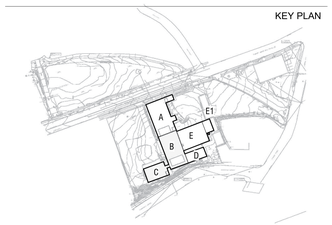
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WSDG
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REGISTERED ARCHITECT ALAN A. RICKS 041014-1 STATE OF NEW YORK

KEY PLAN




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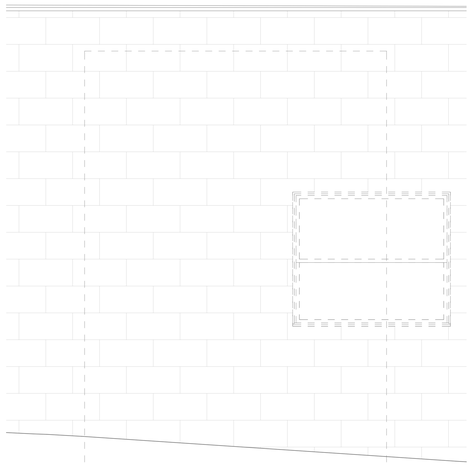
10/05/21

DOORS

A7.03
3/4" = 1'-0"

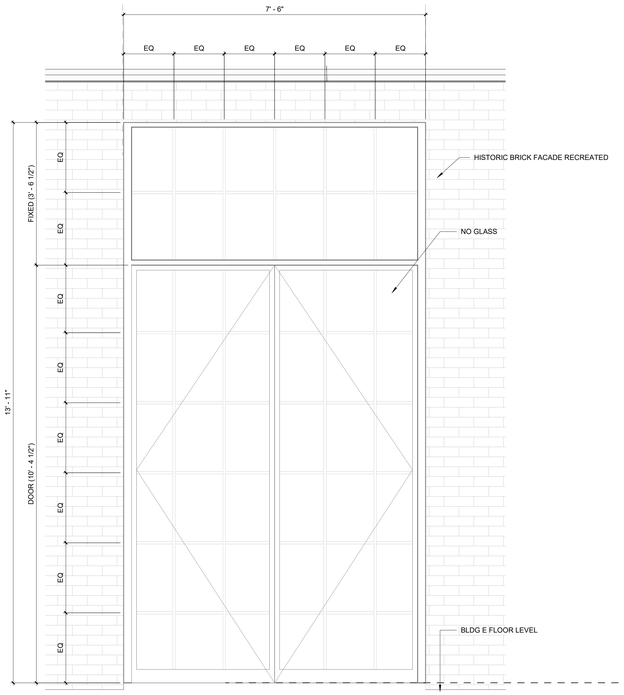
## BLDG E - NORTH SOUTH DOORS/ SCREENS

PROPOSED DOOR:
HOPE'S DOOR ONE55 SERIES - STEEL
FRAME OUTSWING DOUBLE DOOR
WITHOUT GLAZING



BLDG E FINISH FLLOR LEVEL

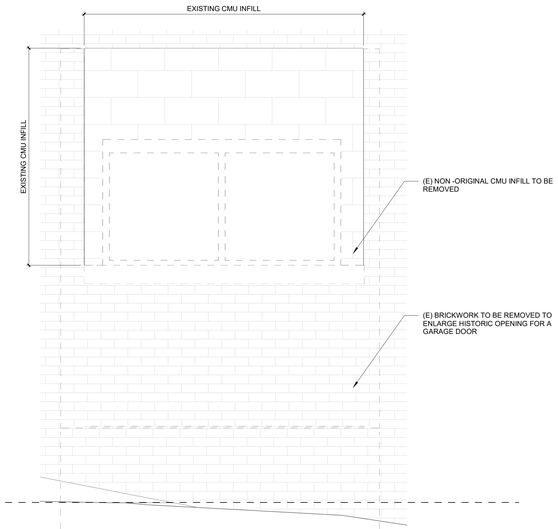
1 BLDG E SLIDING DOOR EXISTING - ELEVATION
3/4" = 1'-0"



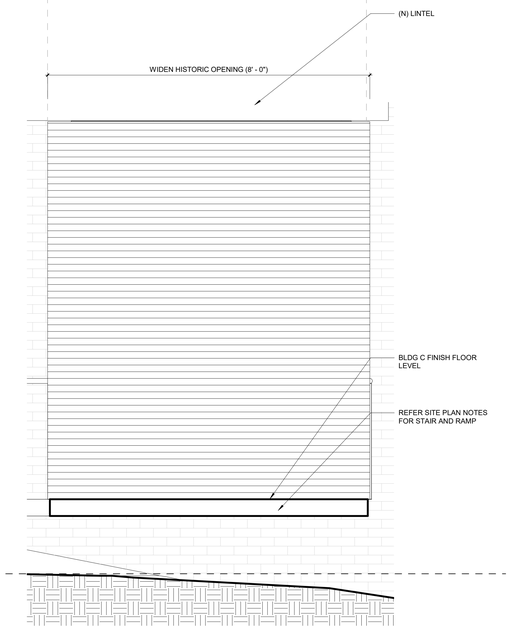

2 BLDG E OUTSWING DOUBLE DOOR - ELEVATION
3/4" = 1'-0"

## BLDG C - WEST GARAGE DOOR

PROPOSED DOOR:
CHI COMMERCIAL INSULATED SANDWICH
GARAGE DOORS MODEL 3236




4 BLDG C GARAGE DOOR EXISTING - ELEVATION
3/4" = 1'-0"




3 BLDG C GARAGE DOOR - ELEVATION
3/4" = 1'-0"

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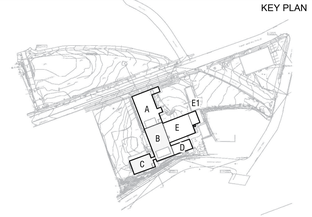
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DOORS

A7.04
3/4" = 1'-0"

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# *Full Environmental Assessment Form Part 1*

## *Workspace at 58 Parker Avenue*

**Parker Avenue**
**City of Poughkeepsie**
**Dutchess County, New York**




*Issued:* *August 3, 2021*

*Prepared for:*

*Northside Junction, LLC*
1 Civic Center Plaza #200
Poughkeepsie, NY, 12601

*Prepared by:*

*Chazen Engineering, Land Surveying & Landscape Architecture Co., D.P.C.*
21 Fox Street Suite 201
Poughkeepsie, NY 12601
845-454-3980

*Chazen Project No. 82105.00*

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## FULL ENVIRONMENTAL ASSESSMENT FORM PART 1

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# PROJECT NARRATIVE

# 1.0 INTRODUCTION

## 1.1 Project Summary

The Applicant, Northside Junction, LLC is seeking site plan approval for the proposed adaptive reuse of the former 58,000 SF Standard Gage and Coal Storage manufacturing building for a new approximately 48,000 square-foot (SF) Workspace (Workspace) and 28 surface parking spaces for Scenic Hudson located at 58 Parker Avenue. The project also includes construction of 54 surface parking spaces (including three accessible spaces) on the adjacent lot north of Parker Avenue (North Parker Lot) that is currently occupied by a gravel parking lot. Vehicular access to the new Workspace will be modified from the existing location and provided at the west side of the property. Pedestrian access is provided at grade across the site and amongst elevated walkways between buildings. Access to the North Parker Lot will be accessible via a single access drive, reducing existing accesses from four to one. New York State Office of Parks Recreation and Historic Preservation (NYSOPRHP) maintains an existing access easement on the western side of the North Parker Lot for means of access. A walkway and a crosswalk over Parker Avenue will provide access for visitors and staff traveling to and from the Workspace. The North Parker Lot will be available for public parking on the weekends.

The total project site area is comprised of approximately 3.03 acres and is zoned Gateway Commercial (G-CM), which is part of the Walkway-Gateway District (W-G). The project site is comprised of two parcels (see Figures 1 and 2), identified as follows:

- Tax parcel 6162-62-148369 (58 Parker Avenue, approximately 2.1 ac.)
- Tax parcel 6162-54-125385 (Parker Ave, 0.93 ac.)

The site is part of the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program and is classified as “A,” which is assigned to non-registry (non-State Superfund sites) sites where work is underway and not yet complete. The site had several former manufacturing uses, including the Standard Gage and Coal Storage building which operated on site for more than 50 years until approximately 2001. The company was a generator of ignitable waste, corrosive waste, halogenated solvents, wastewater treatment sludge from electroplating operations, spent cyanide, plating bath residues, spent stripping and cleaning bath solutions, quenching bath residues, quenching wastewater treatment sludges and soluble cyanide salts. Reportedly spent solvents were discharged into a former floor drain in the southeastern corner of a storage room (north of transformer room). A Remedial Investigation Work Plan (RIWP), which identifies the investigation methodology and site-related contamination was approved by NYSDEC on December 17, 2020. The Remedial Investigation was completed and documented in a March 11, 2021 Report and a Remedial Action Work Plan (RAWP) is proposed to remediate the site using a combination of removal of contaminated soils and clean soil cover or hardscape over the landscape to prevent contact with contaminated soils. The Applicant is currently working with the NYSDEC on the RAWP.

Demolition to portions of the existing former manufacturing building will be undertaken affecting the southeast corner of the building (proposed demolition of two, one-story additions on three story building (three story building to remain)) and the east edge of the building (two-story wood frame building, one-story garage, and two steel buildings).

The proposed Workspace will include:

- Buildings A and B (totaling 35,230) will provide for the 22,010 SF Workspace serving 80 staff. The buildings will be fully renovated per historic preservation best practices. These buildings will also include an additional 13,220 SF, which may be used as community coworking and event space, also shared with Scenic Hudson staff. This area may include coworking, canteen, event space, gym, and support spaces (i.e., mech, electrical, water, locker rooms).

- Building C will provide approximately 3,210 SF of space for Scenic Hudson Parks Shop, including a solar array canopy attached to the existing building. The ground floor will be used for tool repair, parks maintenance projects, materials storage (lumber, seed mix, fence, plumbing) and a wood/metal woodshop. Outdoor storage will be provided in trailers. This building will be fully renovated per historic preservation best practices.

- Building D 3,445 SF will receive core and shell/exterior historic preservation. Building proposed for future community partner fit out.

- Building E 5,540 SF to receive core and shell/exterior historic preservation. Building proposed for future community partner fit out.

- Building E1 and Smokestack totaling 745 SF to receive core and shell/exterior historic preservation. Building proposed for outdoor classroom space for approximately 90 students.

- A photovoltaic (PV) canopy will be provided in the 28-space parking area to the west side of the building.

The overall site will be designed with an undulating landscape allowing for a reduction in the total soil proposed to be removed from the site and resulting in reduced visibility of the North Parker Lot and provision of engaging spaces accessible to the public. Connections to nearby Fall Kill Creek Walkway, future Dutchess Rail Trail, and the Walkway will be possible across the site.

## 1.2 Anticipated Permits/Approvals

Table 1 provides a list of the approvals/permits that are anticipated for the project.

**Table 1: Anticipated Approvals/Permits**

| AGENCY | APPROVAL/PERMIT |
|---|---|
| City of Poughkeepsie Planning Board | Site plan approval |
| City of Poughkeepsie Zoning Board of Appeals | Area Variances |
| City of Poughkeepsie – Zoning Administrator | Floodplain development permit for grading (pending potential FEMA changes) |
| City of Poughkeepsie – Water and Sewer Department | Water and Sewer Connections |
| Dutchess County Department of Planning and Development | GML 239m referral |
| New York State Department of Environmental Conservation (NYSDEC) | GP-0-20-001<br>SPDES General Permit for Discharges during Construction Activities, Remedial Action Work Plan |
| City of Poughkeepsie DPW | Highway Work Permit |
| NYS OPRHP | Historic Consult |

## 2.0 LAND USE, ZONING, AND PUBLIC POLICY

The site is surrounded by a mix of land uses, including residential, commercial, industrial, residential, community services, parks and recreation, and vacant areas, see Figure 3. The site abuts the Walkway to the north and the future Dutchess County Rail Trail to the east. There is residential development abutting the site to the west and south, commercial development to the north and east and the County Jail is located to the east. The Fallkill Creek is located to the south. The project site is not within the City's Local Waterfront Revitalization (LWRP) and therefore is not subject to a coastal consistency review.

According to the City of Poughkeepsie Comprehensive Land Use and Zoning Ordinance, Section 19-3.25, "the purpose of the W-G District is to revitalize this mixed industrial and residential area of the City so that it becomes a vibrant and attractive walkable mixed-use neighborhood where people will want to live, shop and invest. An additional purpose of this District is to encourage visitors to the Walkway and the Dutchess Rail-Trail to visit surrounding areas, before or after their visit, in order to help revitalize the neighborhood." Specifically, the W-G District includes the following specific intentions:

> (a) Enhance the quality of the City's built environment and promote site layout and architectural design that is compatible with the historic character of the community and the national prominence of the Walkway Over the Hudson State Historic Park.
>
> (b) Provide for the safety and comfort of pedestrians through an interconnected network of sidewalks and trails so that work, shopping, schools, and recreation will be within walking distance of each other, allowing independence to those who do not drive.

(c) Provide an interconnected network of streets, bicycle routes, and bicycle lanes to disperse traffic so that the City's vehicular system will be easy to navigate for both bicyclists and drivers.

(d) Promote the development of new residential and mixed uses at densities sufficient to encourage public transit use for residents and visitors.

(e) Strengthen the economic base of the City by providing expanded opportunities for residential and commercial mixed-use development, removing barriers to adaptive reuse of former industrial buildings, facilitating remediation of distressed properties, and encouraging the use of open and vacant lands for community gardens and landscaping.

(f) Incorporate green infrastructure and green development practices for stormwater management and renewable energy into the development review process.

(g) In mixed-use buildings, encourage ground floor uses that generate and serve pedestrian traffic, such as retail, personal services and restaurants.

(h) Facilitate the preservation, renovation, and adaptive reuse of historic buildings.

(i) Provide for a range of visually and physically accessible civic spaces within the District including parks, plazas, playgrounds, squares and greenways for the enjoyment of residents and visitors and for the creation of comfortable and sociable spaces for celebrations and events.

(j) Encourage the continued use of factory buildings for viable light manufacturing uses, which provide local jobs for residents, when such uses are compatible with nearby residential and tourism-oriented uses.

(k) Implement the goals and recommendations of the City's Comprehensive Plan and the Hudson River Valley Greenway Compact.

The W-G District consists of three subdistricts: the Gateway Residential Mixed-Use (G-RM) Subdistrict, the Gateway Commercial Mixed-Use (G-CM) Subdistrict and the Gateway Office Manufacturing (G-OM) Subdistrict. The G-CM Subdistrict is described as an area with traditional neighborhood retail and other small-scale commercial uses that adjoin residential neighborhoods, primarily at intersections and near the Walkway entrances on Parker Avenue. The G-CM Subdistrict is intended to encourage vertical mixed-use shop-front buildings with first floor retail, personal service, and entertainment uses and second and third stories used primarily for offices, hospitality uses and apartments.

The proposed Workspace (anticipated to be defined as an office use in the G-CM District) and accessory parking lot are permitted uses in the G-CM District. Buildings proposed for future community partner fit out are anticipated to include permitted uses. Parking on the North Parker Lot will be located at the rear of the lot and will be only minimally visible due to the undulating landscaping design. Demonstration of compliance with bulk and dimensional standards and supplemental regulations applicable to the project is included on the site plan. Required parking for office uses is 2.5 spaces per 1,000 SF of floor area. The Project is anticipated to require area variances to allow a reduced number of parking spaces. There are a

number of pre-existing nonconforming conditions, including less than minimum frontage occupancy requirement on Parker Street and less than minimum required lot width.

The proposed project is consistent with the purpose and intent of the W-G District for the following reasons:

- The project includes adaptive reuse of the historic Standard Gage and Coal Storage manufacturing building.
- The adaptive reuse of the building will include renovation and historic preservation to the highest standards.
- The site design will use innovative and engaging landscape design that reuses on-site natural materials to the greatest extent possible.
- The site design includes pedestrian connections that will enhance public access to cultural and recreational resources located nearby, including Fallkill Creek Walkway, future Dutchess Rail Trail, and the Walkway.
- The introduction of 80 Scenic Hudson staff and visitors to the Workspace and future community partner uses will revitalize the area.
- The project incorporates green infrastructure into stormwater management.
- The project includes solar panels that will be placed on the roof and canopies to provide electric service.
- The project may include geothermal wells.

For the reasons noted above, the proposed project is anticipated to be consistent with the City's zoning and public policy and will not result in significant adverse impacts.

# 3.0 SOILS AND WATER RESOURCES

## 3.1 Soils

Figure 4 shows the soil types that are expected to be present on the project site, and Table 2 provides characteristics of these soil types, according to the Dutchess County Soil Survey information available in GIS and the Natural Resource Conservation Service website.

**Table 2: Characteristics of Soil Types within Project Area**

| % of SITE | SOIL SYMBOL | SOIL TYPE | SLOPES | DRAINAGE | DEPTH TO WATER TABLE (FEET) | DEPTH TO BEDROCK (INCHES) |
|---|---|---|---|---|---|---|
| 100 | (DwB) Dutchess-Cardigan-Urban land complex, undulating, rocky | Dutchess (40%) | 1 to 6% | well | >6 | >80 |
| | | Cardigan (30%) | | well | >6 | 20 to 40 |

Rock encountered during the construction will be removed by mechanical methods (ripping), when possible. If blasting is determined to be necessary, all blasting operations will adhere to New York State and local ordinances governing the use of explosives. Proper program guidelines will be established between New York State, the City of Poughkeepsie and the blasting contractor prior to undertaking this activity. If blasting is required, it will be performed in accordance with New York State Department of Transportation (NYSDOT) Geotechnical Engineering Manual #22 "Procedures for Blasting" latest edition.

Based on this information, the proposed project will not result in any significant adverse impacts related to soils.

## 3.2 Water Resources

According to NYSDEC wetland and stream information available through GIS (Figure 5), the EAF Mapper, and Environmental Resource Map (Figure 6), there are no NYSDEC or federally regulated wetlands or streams located on the project site. There is a NYSDEC Class C stream, Fallkill Creek (Regulation 862-393) that travels along the southern side of Brookside Avenue near to the property. The National Wetland Inventory (NWI) identifies the Fallkill Creek as riverine (R3UBH).

No impact to the Fallkill Creek is proposed as part of the project. With the implementation of the Stormwater Pollution Prevention Plan (SWPPP) and drainage improvements there will be no significant adverse impact to the stream.

## 3.3 Floodplain

The southeastern portion of the site, in the vicinity of proposed adaptive reused Buildings B and D, is located within the 100-year floodplain. Some grading (no construction) may occur within the 100-year floodplain; therefore, a floodplain development permit may be sought. However, the Applicant has submitted a Letter of Map Amendment (LOMA) to Federal Emergency Management Agency (FEMA) to remove the project site, including the building, from the floodplain.

# 4.0 UTILITIES

## 4.1 Water and Wastewater

Municipal water and sewer service currently serve the project site. All sanitary discharge from the project will be via gravity. The site will be connected to the municipal sewer in Brookside Avenue.

According to the New York State Department of Environmental Conservation (NYSDEC) *Design Standards for Intermediate Sized Wastewater Treatment Systems,* March 2014, the proposed project is expected to require water usage of 1,200± gallons per day (gpd) (15 gpd multiplied by 80 staff) for Scenic Hudson staff. According to the Development Impact Assessment Handbook, Urban Land Institute, 1994, an office use employs an average of 3 persons per 1,000 SF. For the remaining area proposed for community partner fit out (approximately 9,730 SF) a total of 30 employees are estimated, requiring 450 gpd, for a total water demand of 1,650 gpd. It is anticipated that the City's municipal water system and wastewater treatment plant has capacity to serve the proposed use.

## 4.2 Stormwater

The project development will require ground disturbance in excess of one acre; therefore, a SWPPP is being prepared pursuant to NYSDEC SPDES General Permit for Stormwater Discharges from Construction Activity (GP-0-20-001). Stormwater quality will be enhanced through the implementation of temporary and permanent erosion and sediment control measures, the proposed stormwater management facilities, and other construction-phase pollution controls. The North Parker Lot will include a bioretention area and reduction in impervious area. The Workspace site will include a sand filter system and reduction in impervious area. New catch basins will be constructed on the overall site, a new catch basin and manhole will be constructed within Parker Avenue, and a new conveyance system will be constructed on the eastern portion of the property connecting the overall site for stormwater management to Garden Street. The existing drainage in the vicinity of the site along Parker Avenue will be disconnected from the City of Poughkeepsie sanitary system and will be rerouted to the new City drainage line being conveyed to Garden Street. With the implementation of the new drainage system and the SWPPP, no adverse impacts related to stormwater will occur. Additionally, the Applicant will be redirecting approximately 0.9 acres of runoff from the City's sanitary system, which contributes to the City's sanitary sewer system inflow and infiltration issues.

# 5.0 TRAFFIC

The *Trip Generation Manual, 10th Edition* published by the Institute of Transportation Engineers (ITE) is the industry-standard resource for estimating the traffic generated by various types of land uses and it was used to estimate the site generated trips for this project. Based on data for General Office Building (Land Use Code 710), the proposed project will generate 52 total trips in the weekday morning and 53 total trips in the evening peak periods, See Table 5.

**Table 3: Estimated Traffic Generation**

| **Land Use** | **General Office Building Land Use Code 710** |
|---|---|
| AM Peak Hour Trips Entering the Site | 43 |
| AM Peak Hour Trips Exiting the Site | 9 |

| | |
|---|---|
| **Total AM Peak Trips added to Adjacent Street Traffic** | **52** |
| PM Peak Hour Trips Entering the Site | 10 |
| PM Peak Hour Trips Exiting the Site | 43 |
| **Total PM Peak Trips added to Adjacent Street Traffic** | **53** |

Note: Analysis uses 110 employees and the fitted curve equation in the ITE Manual (10th Edition) to determine the AM and PM peak hour trip generation.

According to the NYSDEC guidance on how to assess traffic impacts a general office building with less than 67,000 SF is not likely result in 100 peak hour trips, which is a threshold provided by NYSDEC to assist in determinations of significant increases to traffic. As demonstrated above in Table 5, the ITE trip generation data indicates that the project (assuming total office use) would result in less than 100 trips during the AM and PM peak hours. For the reasons stated above, no significant adverse impacts related to traffic are anticipated to occur.

## 6.0 ENDANGERED, THREATENED, AND RARE SPECIES AND SIGNIFICANT HABITAT

According to the NYSDEC, there are no known occurrences of endangered, threatened or rare species or a Significant Natural Community on or in the vicinity of the project site. According to the US Fish and Wildlife Service (USFWS) information for planning and consultation (IPAC), there is potential for the Indiana Bat species on or in the vicinity of the project site. The site is fully developed within an urban area. It is recommended that tree clearing occur between October 31st and March 31st to ensure no potential take of the Indiana bat. With the clearing restriction and considering that removal of trees is less than ten acres, no significant adverse impacts to the Indiana Bat are anticipated to occur.

## 7.0 HISTORIC AND ARCHEOLOGICAL RESOURCES

According to the NYS Office of Parks, Recreation, and Historic Preservation (NYSOPRHP) Cultural Resource Information System (CRIS) mapping (Figure 7), the project site does not contain and is not adjacent to any National or State Historic Register site. The project is pursuing Historic Rehabilitation Tax Credits and consultation with NYSOPRHP has indicated that the Standard Gage Company Plant may be eligible for listing in the State and National Registers of Historic Places. Consultation in ongoing with NYSOPRHP and the National Park Service regarding eligibility. The rehabilitation work proposed to the Standard Gage Company Plant will be done in accordance with the Secretary of the Interior's Standards.

## 8.0 ENVIRONMENTAL CONTAMINATION

As described in the introduction, the site is part of the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program and is classified as "A," which is assigned to non-registry (non-State Superfund sites) sites where work is underway and not yet complete.

The site had several former manufacturing uses, including the Standard Gage and Coal Storage building which operated on site for more than 50 years until approximately 2001. The company was a generator

of ignitable waste, corrosive waste, halogenated solvents, wastewater treatment sludge from electroplating operations, spent cyanide, plating bath residues, spent stripping and cleaning bath solutions, quenching bath residues, quenching wastewater treatment sludges and soluble cyanide salts. Reportedly spent solvents were discharged into a former floor drain in the southeastern corner of a storage room (north of transformer room).

A Remedial Investigation Work Plan (RIWP), which identifies the investigation methodology and site-related contamination was approved by NYSDEC on December 17, 2020. The Remedial Investigation was completed and documented in a March 11, 2021 Report and a Remedial Action Work Plan is proposed for approval to remediate the site using a combination of removal of contaminated soils and clean soil cover or hardscape over the landscape to prevent contact with contaminated soils.

An environmental easement will be required for remedial activities associated with 58 Parker Avenue as it relies upon one or more institutional and/or engineering controls. The Environmental Easement will run with the land in favor of the State (NYSDEC), subject to the provisions of ECL Article 71, Title 36, and will contains use restriction(s) and/or any prohibition(s) on the use of land in a manner inconsistent with engineering controls. The placement of an Environmental Easement will; provide an effective and enforceable means of encouraging the reuse and redevelopment of a controlled property, at a level that has been determined to be safe for a specific use, while ensuring the performance of operation, maintenance, and/or monitoring requirements. With these measures in place, no significant adverse impacts to public health will occur.

# FULL ENVIRONMENTAL ASSESSMENT FORM (FEAF) PART 1 FORM

## Instructions for Completing Part 1

**Part 1 is to be completed by the applicant or project sponsor.** Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification.

Complete Part 1 based on information currently available. If additional research or investigation would be needed to fully respond to any item, please answer as thoroughly as possible based on current information; indicate whether missing information does not exist, or is not reasonably available to the sponsor; and, when possible, generally describe work or studies which would be necessary to update or fully develop that information.

Applicants/sponsors must complete all items in Sections A & B. In Sections C, D & E, most items contain an initial question that must be answered either "Yes" or "No". If the answer to the initial question is "Yes", complete the sub-questions that follow. If the answer to the initial question is "No", proceed to the next question. Section F allows the project sponsor to identify and attach any additional information. Section G requires the name and signature of the applicant or project sponsor to verify that the information contained in Part 1is accurate and complete.

**A. Project and Applicant/Sponsor Information.**

| | | |
|---|---|---|
| Name of Action or Project:<br>Scenic Hudson Workspace and Parking | | |
| Project Location (describe, and attach a general location map):<br>58 Parker Avenue and 61 Parker Avenue, Poughkeepsie NY 12601 (vacant Standard Gage facility and accessory lot) | | |
| Brief Description of Proposed Action (include purpose or need):<br>The Applicant, Northside Junction, LLC is seeking site plan approval for the proposed adaptive reuse of the former 58,000 SF Standard Gage and Coal Storage manufacturing building for a new approximately 48,000 square-foot (SF) workspace (Workspace) and 28 surface parking spaces for Scenic Hudson located at 58 Parker Avenue. The project also includes construction of 54 surface parking spaces (including three accessible spaces) on the adjacent lot north of Parker Avenue (North Parker Lot) that is currently occupied by a gravel parking lot. The total project site area is comprised of approximately 3.03 acres and is zoned Gateway Commercial (G-CM), which is part of the Walkway-Gateway District (W-G). The project site is comprised of two parcels: Tax parcel 6162-62-148369 (58 Parker Avenue, approximately 2.1 ac.) and Tax parcel 6162-54-125385 (Parker Ave, 0.93 ac.). Buildings A and B will provide Workspace space and may include coworking, event space, canteen, and a gym. Building C will include the Parks Maintenance Shop, with a solar array canopy. Buildings D and E are proposed to include future community partners. Building E1 will provide outdoor classroom space. Buildings A - C will be renovated and historically preserved, Buildings D - E will receive core and shell/exterior historic preservation. The overall site will be designed with an undulating landscape allowing for natural materials to remain on site and resulting in reduced visibility of the North Parker Lot. | | |
| Name of Applicant/Sponsor:<br>Northside Junction, LLC, Caroline Alsup, Project Manager | Telephone: 845-473-4440<br>E-Mail: calsup@scenichudson.org | |
| Address: 1 Civic Center Plaza #200 | | |
| City/PO: Poughkeepsie | State: New York | Zip Code: 12601 |
| Project Contact (if not same as sponsor; give name and title/role): | Telephone:<br>E-Mail: | |
| Address: | | |
| City/PO: | State: | Zip Code: |
| Property Owner (if not same as sponsor):<br>Same as above. | Telephone:<br>E-Mail: | |
| Address: | | |
| City/PO: | State: | Zip Code: |

**B. Government Approvals**

**B. Government Approvals, Funding, or Sponsorship.** ("Funding" includes grants, loans, tax relief, and any other forms of financial assistance.)

| Government Entity | If Yes: Identify Agency and Approval(s) Required | Application Date (Actual or projected) |
|---|---|---|
| a. City Counsel, Town Board, or Village Board of Trustees ☐Yes ☑No | | |
| b. City, Town or Village Planning Board or Commission ☑Yes ☐No | Planning Board: Site Plan Approval | Summer 2021 |
| c. City, Town or Village Zoning Board of Appeals ☑Yes ☐No | Zoning Board of Appeals: Area Variances | Fall 2021 |
| d. Other local agencies ☑Yes ☐No | Zoning Admin - floodplain grading permit (pending potential FEMA changes); Water/Sewer PW Dept. | Winter 2021, Fall 2021 |
| e. County agencies ☑Yes ☐No | GML 239M Referral | Fall 2021 |
| f. Regional agencies ☐Yes ☑No | | |
| g. State agencies ☑Yes ☐No | NYSDEC SPDES GP-0-20-001 and Remedial Action Plan; OPRHP consultation | Winter 2021, Winter 2021, Winter 2021 |
| h. Federal agencies ☐Yes ☑No | | |

i. Coastal Resources.

*i.* Is the project site within a Coastal Area, or the waterfront area of a Designated Inland Waterway? ☐Yes ☑No

*ii.* Is the project site located in a community with an approved Local Waterfront Revitalization Program? ☐Yes ☑No

*iii.* Is the project site within a Coastal Erosion Hazard Area? ☐Yes ☑No

**C. Planning and Zoning**

**C.1. Planning and zoning actions.**

Will administrative or legislative adoption, or amendment of a plan, local law, ordinance, rule or regulation be the only approval(s) which must be granted to enable the proposed action to proceed? ☐Yes ☑No

- **If Yes,** complete sections C, F and G.
- **If No,** proceed to question C.2 and complete all remaining sections and questions in Part 1

**C.2. Adopted land use plans.**

a. Do any municipally- adopted (city, town, village or county) comprehensive land use plan(s) include the site where the proposed action would be located? ☑Yes ☐No

If Yes, does the comprehensive plan include specific recommendations for the site where the proposed action would be located? ☑Yes ☐No City's 1998 Comprehensive Plan: Site is included within the Cottage Street Business Park Study Area. Site rezoned to Walkway - Gateway District in 2013.

b. Is the site of the proposed action within any local or regional special planning district (for example: Greenway; Brownfield Opportunity Area (BOA); designated State or Federal heritage area; watershed management plan; or other?) ☑Yes ☐No

If Yes, identify the plan(s):

Remediaton Sites:C314131 Tax Parcel: 148369

c. Is the proposed action located wholly or partially within an area listed in an adopted municipal open space plan, or an adopted municipal farmland protection plan? ☐Yes ☑No

If Yes, identify the plan(s):

**C.3. Zoning**

a. Is the site of the proposed action located in a municipality with an adopted zoning law or ordinance. ☑ Yes ☐ No
If Yes, what is the zoning classification(s) including any applicable overlay district?
Walkway-Gateway Overlay District (W-G): Gateway Commercial Mixed-Use (G-CM)

b. Is the use permitted or allowed by a special or conditional use permit? ☑ Yes ☐ No

c. Is a zoning change requested as part of the proposed action? ☐ Yes ☑ No
If Yes,
*i.* What is the proposed new zoning for the site? _____

**C.4. Existing community services.**

a. In what school district is the project site located? City of Poughkeepsie School District

b. What police or other public protection forces serve the project site?
City of Poughkeepsie Police Department with support from the Dutchess County Sheriff's Department and NYS Police

c. Which fire protection and emergency medical services serve the project site?
City of Poughkeepsie Fire Department

d. What parks serve the project site?
Walkway over the Hudson NYS Park, Dutchess Rail Trail, Fallkill Creek walkway

**D. Project Details**

**D.1. Proposed and Potential Development**

a. What is the general nature of the proposed action (e.g., residential, industrial, commercial, recreational; if mixed, include all components)? Office and Education

b. a. Total acreage of the site of the proposed action? 3.03 acres
b. Total acreage to be physically disturbed? 2.44 acres
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? 3.39 acres Applicant owns Tax Parcel: 177385, which is not part of the proposed project.

c. Is the proposed action an expansion of an existing project or use? ☐ Yes ☑ No
*i.* If Yes, what is the approximate percentage of the proposed expansion and identify the units (e.g., acres, miles, housing units, square feet)? % _____ Units: _____

d. Is the proposed action a subdivision, or does it include a subdivision? ☐ Yes ☑ No
If Yes,
*i.* Purpose or type of subdivision? (e.g., residential, industrial, commercial; if mixed, specify types)
*ii.* Is a cluster/conservation layout proposed? ☐ Yes ☑ No
*iii.* Number of lots proposed? _____
*iv.* Minimum and maximum proposed lot sizes? Minimum _____ Maximum _____

e. Will the proposed action be constructed in multiple phases? ☐ Yes ☑ No
*i.* If No, anticipated period of construction: 18 months
*ii.* If Yes:
- Total number of phases anticipated _____
- Anticipated commencement date of phase 1 (including demolition) _____ month _____ year
- Anticipated completion date of final phase _____ month _____year
- Generally describe connections or relationships among phases, including any contingencies where progress of one phase may determine timing or duration of future phases: _____

f. Does the project include new residential uses? ☐ Yes ☑ No

If Yes, show numbers of units proposed.

| | One Family | Two Family | Three Family | Multiple Family (four or more) |
|---|---|---|---|---|
| Initial Phase | | | | |
| At completion of all phases | | | | |

g. Does the proposed action include new non-residential construction (including expansions)? ☐ Yes ☑ No

If Yes,

*i.* Total number of structures _____

*ii.* Dimensions (in feet) of largest proposed structure: _____height; _____width; and _____ length

*iii.* Approximate extent of building space to be heated or cooled: _____ square feet

h. Does the proposed action include construction or other activities that will result in the impoundment of any liquids, such as creation of a water supply, reservoir, pond, lake, waste lagoon or other storage? ☐ Yes ☑ No

If Yes,

*i.* Purpose of the impoundment: _____

*ii.* If a water impoundment, the principal source of the water: ☐ Ground water ☐ Surface water streams ☐ Other specify:

_____

*iii.* If other than water, identify the type of impounded/contained liquids and their source.

_____

*iv.* Approximate size of the proposed impoundment. Volume: _____ million gallons; surface area: _____ acres

*v.* Dimensions of the proposed dam or impounding structure: _____ height; _____ length

*vi.* Construction method/materials for the proposed dam or impounding structure (e.g., earth fill, rock, wood, concrete):

_____

**D.2. Project Operations**

a. Does the proposed action include any excavation, mining, or dredging, during construction, operations, or both? ☑ Yes ☐ No
(Not including general site preparation, grading or installation of utilities or foundations where all excavated materials will remain onsite)

If Yes:

*i* .What is the purpose of the excavation or dredging? Removal of existing gravel parking lot as well as contaminated fill site-wide

*ii.* How much material (including rock, earth, sediments, etc.) is proposed to be removed from the site?

- Volume (specify tons or cubic yards): 2,200 CY
- Over what duration of time? three months

*iii.* Describe nature and characteristics of materials to be excavated or dredged, and plans to use, manage or dispose of them.

Removal of contaminated soils and clean soil cover or hardscape over the landscape to prevent contact with contaminated soils. The overall site will be designed with an undulating landscape allowing for a reduction in the total soil proposed to be removed from the site.

i*v.* Will there be onsite dewatering or processing of excavated materials? ☐ Yes ☑ No

If yes, describe. _____

_____

*v.* What is the total area to be dredged or excavated? 2.31 acres

*vi.* What is the maximum area to be worked at any one time? ~~1.5~~ acres

*vii.* What would be the maximum depth of excavation or dredging? ~~2.5~~ feet

*viii.* Will the excavation require blasting? ☐ Yes ☑ No

*ix.* Summarize site reclamation goals and plan: _____

On-site materials will be used to supplement for imported fill wherever possible. Initial remediation efforts indicate various levels of PCBs in the soils which may make reclamation difficult.

b. Would the proposed action cause or result in alteration of, increase or decrease in size of, or encroachment into any existing wetland, waterbody, shoreline, beach or adjacent area? ☐ Yes ☑ No

If Yes:

*i.* Identify the wetland or waterbody which would be affected (by name, water index number, wetland map number or geographic description): _____

_____

*ii.* Describe how the proposed action would affect that waterbody or wetland, e.g. excavation, fill, placement of structures, or alteration of channels, banks and shorelines. Indicate extent of activities, alterations and additions in square feet or acres:

_____

_____

_____

_____

*iii.* Will the proposed action cause or result in disturbance to bottom sediments? ☐ Yes ☐ No

If Yes, describe: _____

*iv.* Will the proposed action cause or result in the destruction or removal of aquatic vegetation? ☐ Yes ☐ No

If Yes:

- acres of aquatic vegetation proposed to be removed: _____
- expected acreage of aquatic vegetation remaining after project completion: _____
- purpose of proposed removal (e.g. beach clearing, invasive species control, boat access): _____

_____

- proposed method of plant removal: _____
- if chemical/herbicide treatment will be used, specify product(s): _____

*v.* Describe any proposed reclamation/mitigation following disturbance: _____

_____

c. Will the proposed action use, or create a new demand for water? ☑ Yes ☐ No

If Yes:

*i.* Total anticipated water usage/demand per day: 1,650 gallons/day

*ii.* Will the proposed action obtain water from an existing public water supply? ☑ Yes ☐ No

If Yes:

- Name of district or service area: City of Poughkeepsie
- Does the existing public water supply have capacity to serve the proposal? ☑ Yes ☐ No
- Is the project site in the existing district? ☑ Yes ☐ No
- Is expansion of the district needed? ☐ Yes ☑ No
- Do existing lines serve the project site? ☑ Yes ☐ No

*iii.* Will line extension within an existing district be necessary to supply the project? ☐ Yes ☑ No

If Yes:

- Describe extensions or capacity expansions proposed to serve this project: _____

_____

- Source(s) of supply for the district: _____

*iv.* Is a new water supply district or service area proposed to be formed to serve the project site? ☐ Yes ☑ No

If, Yes:

- Applicant/sponsor for new district: _____
- Date application submitted or anticipated: _____
- Proposed source(s) of supply for new district: _____

*v.* If a public water supply will not be used, describe plans to provide water supply for the project: _____

_____

*vi.* If water supply will be from wells (public or private), what is the maximum pumping capacity: _____ gallons/minute.

d. Will the proposed action generate liquid wastes? ☑ Yes ☐ No

If Yes:

*i.* Total anticipated liquid waste generation per day: 1,650 gallons/day

*ii.* Nature of liquid wastes to be generated (e.g., sanitary wastewater, industrial; if combination, describe all components and approximate volumes or proportions of each): _____

Sanitary wastewater

_____

*iii.* Will the proposed action use any existing public wastewater treatment facilities? ☑ Yes ☐ No

If Yes:

- Name of wastewater treatment plant to be used: City of Poughkeepsie Sewage Treatment Plant
- Name of district: City of Poughkeepsie
- Does the existing wastewater treatment plant have capacity to serve the project? ☑ Yes ☐ No
- Is the project site in the existing district? ☑ Yes ☐ No
- Is expansion of the district needed? ☐ Yes ☑ No

- Do existing sewer lines serve the project site? ☑ Yes ☐ No
- Will a line extension within an existing district be necessary to serve the project? ☐ Yes ☑ No

If Yes:

- Describe extensions or capacity expansions proposed to serve this project: _____

*iv.* Will a new wastewater (sewage) treatment district be formed to serve the project site? ☐ Yes ☑ No

If Yes:

- Applicant/sponsor for new district: _____
- Date application submitted or anticipated: _____
- What is the receiving water for the wastewater discharge? _____

*v.* If public facilities will not be used, describe plans to provide wastewater treatment for the project, including specifying proposed receiving water (name and classification if surface discharge or describe subsurface disposal plans):

_____

*vi.* Describe any plans or designs to capture, recycle or reuse liquid waste: _____

None.

e. Will the proposed action disturb more than one acre and create stormwater runoff, either from new point sources (i.e. ditches, pipes, swales, curbs, gutters or other concentrated flows of stormwater) or non-point source (i.e. sheet flow) during construction or post construction? ☑ Yes ☐ No

If Yes:

*i.* How much impervious surface will the project create in relation to total size of project parcel?

_____ Square feet or 1.14 acres (impervious surface)

_____ Square feet or 3.03 acres (parcel size)

*ii.* Describe types of new point sources. Catch basins

*iii.* Where will the stormwater runoff be directed (i.e. on-site stormwater management facility/structures, adjacent properties, groundwater, on-site surface water or off-site surface waters)?

Site stormwater will be directed to a series of on-site stormwater management facilities and conveyed to the City municipal storm sewer.

- If to surface waters, identify receiving water bodies or wetlands: N/A
- Will stormwater runoff flow to adjacent properties? 4,000 gallon cistern will capture all water from roof runoff to be reused for toilets. ☐ Yes ☑ No

*iv.* Does the proposed plan minimize impervious surfaces, use pervious materials or collect and re-use stormwater? ☑ Yes ☐ No

f. Does the proposed action include, or will it use on-site, one or more sources of air emissions, including fuel combustion, waste incineration, or other processes or operations? ☑ Yes ☐ No

If Yes, identify:

*i.* Mobile sources during project operations (e.g., heavy equipment, fleet or delivery vehicles)

None

*ii.* Stationary sources during construction (e.g., power generation, structural heating, batch plant, crushers)

Temporary sources during construction

*iii.* Stationary sources during operations (e.g., process emissions, large boilers, electric generation)

Boilers, electric generation

g. Will any air emission sources named in D.2.f (above), require a NY State Air Registration, Air Facility Permit, or Federal Clean Air Act Title IV or Title V Permit? ☐ Yes ☑ No

If Yes:

*i.* Is the project site located in an Air quality non-attainment area? (Area routinely or periodically fails to meet ambient air quality standards for all or some parts of the year) ☐ Yes ☐ No

*ii.* In addition to emissions as calculated in the application, the project will generate:

- _____Tons/year (short tons) of Carbon Dioxide ($CO_2$)
- _____Tons/year (short tons) of Nitrous Oxide ($N_2O$)
- _____Tons/year (short tons) of Perfluorocarbons (PFCs)
- _____Tons/year (short tons) of Sulfur Hexafluoride ($SF_6$)
- _____Tons/year (short tons) of Carbon Dioxide equivalent of Hydroflourocarbons (HFCs)
- _____Tons/year (short tons) of Hazardous Air Pollutants (HAPs)

h. Will the proposed action generate or emit methane (including, but not limited to, sewage treatment plants, landfills, composting facilities)? ☐Yes ☑No

If Yes:

*i.* Estimate methane generation in tons/year (metric): _____

*ii.* Describe any methane capture, control or elimination measures included in project design (e.g., combustion to generate heat or electricity, flaring): _____

i. Will the proposed action result in the release of air pollutants from open-air operations or processes, such as quarry or landfill operations? ☐Yes ☑No

If Yes: Describe operations and nature of emissions (e.g., diesel exhaust, rock particulates/dust):

j. Will the proposed action result in a substantial increase in traffic above present levels or generate substantial new demand for transportation facilities or services? ☐Yes ☑No

If Yes:

*i.* When is the peak traffic expected (Check all that apply): ☑ Morning ☑ Evening ☐Weekend ☐ Randomly between hours of _____ to _____.

*ii.* For commercial activities only, projected number of truck trips/day and type (e.g., semi trailers and dump trucks): None

*iii.* Parking spaces: Existing 111 Proposed 82 Net increase/decrease _____

*iv.* Does the proposed action include any shared use parking? ☑Yes ☐No

*v.* If the proposed action includes any modification of existing roads, creation of new roads or change in existing access, describe: Modification of existing curb cut/entrance along Parker Avenue

*vi.* Are public/private transportation service(s) or facilities available within ½ mile of the proposed site? ☑Yes ☐No

*vii* Will the proposed action include access to public transportation or accommodations for use of hybrid, electric or other alternative fueled vehicles? ☑Yes ☐No

*viii.* Will the proposed action include plans for pedestrian or bicycle accommodations for connections to existing pedestrian or bicycle routes? ☑Yes ☐No

k. Will the proposed action (for commercial or industrial projects only) generate new or additional demand for energy? ☑Yes ☐No

If Yes:

*i.* Estimate annual electricity demand during operation of the proposed action: 287 MWh per year

*ii.* Anticipated sources/suppliers of electricity for the project (e.g., on-site combustion, on-site renewable, via grid/local utility, or other): Local Grid and Solar Arrays

*iii.* Will the proposed action require a new, or an upgrade, to an existing substation? ☐Yes ☑No

l. Hours of operation. Answer all items which apply.

*i.* During Construction:

- Monday - Friday: Approximately 6:30 AM to 9:00 PM
- Saturday: Approximately 6:30 AM to 9:00 PM
- Sunday: None
- Holidays: None

*ii.* During Operations:

- Monday - Friday: 8 AM - 5 PM
- Saturday: TBD
- Sunday: TBD
- Holidays: TBD

m. Will the proposed action produce noise that will exceed existing ambient noise levels during construction, operation, or both? ☑ Yes ☐ No

If yes:

*i.* Provide details including sources, time of day and duration:

Temporary noise sources during construction compliant with City Code.

*ii.* Will the proposed action remove existing natural barriers that could act as a noise barrier or screen? ☐ Yes ☑ No

Describe: Tree/brush areas located within the site will be removed. However, new landscaping will be installed in conformance with City Code, and will be provided to the Planning Board for review.

n. Will the proposed action have outdoor lighting? ☑ Yes ☐ No

If yes:

*i.* Describe source(s), location(s), height of fixture(s), direction/aim, and proximity to nearest occupied structures:

Lighting will be in compliance with City Code and other applicable codes and regulations.

*ii.* Will proposed action remove existing natural barriers that could act as a light barrier or screen? ☐ Yes ☑ No

Describe: _____

o. Does the proposed action have the potential to produce odors for more than one hour per day? ☐ Yes ☑ No

If Yes, describe possible sources, potential frequency and duration of odor emissions, and proximity to nearest occupied structures: _____

p. Will the proposed action include any bulk storage of petroleum (combined capacity of over 1,100 gallons) or chemical products 185 gallons in above ground storage or any amount in underground storage? ☐ Yes ☑ No

If Yes:

*i.* Product(s) to be stored _____

*ii.* Volume(s) _____ per unit time _____ (e.g., month, year)

*iii.* Generally, describe the proposed storage facilities: _____

q. Will the proposed action (commercial, industrial and recreational projects only) use pesticides (i.e., herbicides, insecticides) during construction or operation? ☑ Yes ☐ No

If Yes:

*i.* Describe proposed treatment(s):

Pest control may be required after occupation of the building. Application would be by licensed applicators using minimal levels of application required.

*ii.* Will the proposed action use Integrated Pest Management Practices? ☐ Yes ☑ No

r. Will the proposed action (commercial or industrial projects only) involve or require the management or disposal of solid waste (excluding hazardous materials)? ☑ Yes ☐ No

If Yes:

*i.* Describe any solid waste(s) to be generated during construction or operation of the facility:

- Construction: TBD tons per TBD (unit of time)
- Operation : 0.065 tons per day (unit of time)

*ii.* Describe any proposals for on-site minimization, recycling or reuse of materials to avoid disposal as solid waste:

- Construction: Demolition and construction waste may be recycled at the discretion of the contractor.
- Operation: Recyclables will be separated and stored for recycling.

*iii.* Proposed disposal methods/facilities for solid waste generated on-site:

- Construction: Construction and demolition debris will be hauled away by a licensed solid waste hauler for disposal at a demolition debris landfill or other licensed facility.
- Operation: Solid waste will be collected and hauled away regularly by a licensed solid waste hauler for disposal at the Dutchess County Resource Recovery Agency facility or other licensed facility.

Per Environmental Engineering by Joseph A. Salvat, 4th Edition, 1992, an office worker is proposed to generate 1.5 pounds (lbs) of waste per day. Therefore, 110 employees would generate 165 lbs per day or 0.0625 tons per day.

s. Does the proposed action include construction or modification of a solid waste management facility? ☐ Yes ☑ No

If Yes:

*i.* Type of management or handling of waste proposed for the site (e.g., recycling or transfer station, composting, landfill, or other disposal activities): _____

*ii.* Anticipated rate of disposal/processing:

- _____ Tons/month, if transfer or other non-combustion/thermal treatment, or
- _____ Tons/hour, if combustion or thermal treatment

*iii.* If landfill, anticipated site life: _____ years

t. Will the proposed action at the site involve the commercial generation, treatment, storage, or disposal of hazardous waste? ☑ Yes ☐ No

If Yes:

*i.* Name(s) of all hazardous wastes or constituents to be generated, handled or managed at facility: None.

*ii.* Generally describe processes or activities involving hazardous wastes or constituents: A Remedial Action Work Plan is proposed for approval to remediate the site using a combination of removal of contaminated soils and clean soil cover or hardscape over the landscape to prevent contact with contaminated soils.

*iii.* Specify amount to be handled or generated 2,640 tons/month One time removal of material

*iv.* Describe any proposals for on-site minimization, recycling or reuse of hazardous constituents: The overall site will be designed with an undulating landscape allowing for a reduction in the total soil proposed to be removed from the site.

*v.* Will any hazardous wastes be disposed at an existing offsite hazardous waste facility? ☑ Yes ☐ No

If Yes: provide name and location of facility: Materials removed from the site will be carted by licensed contractors and disposed of at a licensed facility.

If No: describe proposed management of any hazardous wastes which will not be sent to a hazardous waste facility:

## E. Site and Setting of Proposed Action

### E.1. Land uses on and surrounding the project site

a. Existing land uses.

*i.* Check all uses that occur on, adjoining and near the project site.

☐ Urban ☑ Industrial ☑ Commercial ☑ Residential (suburban) ☐ Rural (non-farm)
☐ Forest ☐ Agriculture ☐ Aquatic ☑ Other (specify): Gravel Parking lot, Community uses

*ii.* If mix of uses, generally describe:

b. Land uses and covertypes on the project site.

| Land use or Covertype | Current Acreage | Acreage After Project Completion | Change (Acres +/-) |
|---|---|---|---|
| • Roads, buildings, and other paved or impervious surfaces | 1.26 | 1.73 | +0.48 |
| • Forested | 0.05 | 0.05 | 0.00 |
| • Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural) | 0.93 | 1.25 | +0.32 |
| • Agricultural (includes active orchards, field, greenhouse etc.) | 0.00 | 0.00 | 0.00 |
| • Surface water features (lakes, ponds, streams, rivers, etc.) | 0.00 | 0.00 | 0.00 |
| • Wetlands (freshwater or tidal) | 0.00 | 0.00 | 0.00 |
| • Non-vegetated (bare rock, earth or fill) | 0.00 | 0.00 | 0.00 |
| • Other Describe: Gravel Parking Lot | 0.79 | 0.00 | -0.79 |

c. Is the project site presently used by members of the community for public recreation? ☑ Yes ☐ No

*i.* If Yes: explain: Existing gravel lot serves as overflow lot for the Walkway Over the Hudson

d. Are there any facilities serving children, the elderly, people with disabilities (e.g., schools, hospitals, licensed day care centers, or group homes) within 1500 feet of the project site? ☐ Yes ☑ No

If Yes,

*i.* Identify Facilities:

Though not listed above, the County Jail and a domestic abuse treatment residential facility are located within 500 feet of the project site.

e. Does the project site contain an existing dam? ☐ Yes ☑ No

If Yes:

*i.* Dimensions of the dam and impoundment:

- Dam height: _____ feet
- Dam length: _____ feet
- Surface area: _____ acres
- Volume impounded: _____ gallons OR acre-feet

*ii.* Dam's existing hazard classification: _____

*iii.* Provide date and summarize results of last inspection:

f. Has the project site ever been used as a municipal, commercial or industrial solid waste management facility, or does the project site adjoin property which is now, or was at one time, used as a solid waste management facility? ☐ Yes ☑ No

If Yes:

*i.* Has the facility been formally closed? ☐ Yes ☐ No

- If yes, cite sources/documentation: _____

*ii.* Describe the location of the project site relative to the boundaries of the solid waste management facility:

*iii.* Describe any development constraints due to the prior solid waste activities: _____

g. Have hazardous wastes been generated, treated and/or disposed of at the site, or does the project site adjoin property which is now or was at one time used to commercially treat, store and/or dispose of hazardous waste? ☑ Yes ☐ No

If Yes:

*i.* Describe waste(s) handled and waste management activities, including approximate time when activities occurred:

Former manufacturing uses operated on site for more than 50 years until approximately 2001. Ignitable waste, corrosive waste, halogenated solvents, wastewater treatment sludge from electroplating operations, spent cyanide, plating bath residues, spent stripping and cleaning bath solutions, quenching bath residues, quenching wastewater treatment sludges and soluble cyanide salts were generated at the site. Reportedly spent solvents were discharged into a former floor drain in the southeastern corner of a storage room (north of transformer room) near of a storage room (north of transformer room).

h. Potential contamination history. Has there been a reported spill at the proposed project site, or have any remedial actions been conducted at or adjacent to the proposed site? ☑ Yes ☐ No

If Yes:

*i.* Is any portion of the site listed on the NYSDEC Spills Incidents database or Environmental Site Remediation database? Check all that apply: ☑ Yes ☐ No

☐ Yes – Spills Incidents database — Provide DEC ID number(s): _____

☑ Yes – Environmental Site Remediation database — Provide DEC ID number(s): C314131

☐ Neither database

*ii.* If site has been subject of RCRA corrective activities, describe control measures:

The site is in the Brownfield Cleanup Program

*iii.* Is the project within 2000 feet of any site in the NYSDEC Environmental Site Remediation database? ☑ Yes ☐ No

If yes, provide DEC ID number(s): B00036, C314131, B00020, 314122, 314074

*iv.* If yes to (i), (ii) or (iii) above, describe current status of site(s):

C314131 is the Brownfield Cleanup Program remediation project on the project site currently underway. B00036 is located offsite at 28 Orchard Street and has been remediated. B00020 is located offsite at 166 -186 North Hamilton Street has been remediated and has an environmental easement.

314074 is located at 70 Fairview Avenue and contaminated materials have been removed from the site and no additional action is proposed by the USEPA at this time.

*v.* Is the project site subject to an institutional control limiting property uses? ☑ Yes ☐ No

- If yes, DEC site ID number: C314131
- Describe the type of institutional control (e.g., deed restriction or easement): Anticipated environmental easement
- Describe any use limitations: To be determined
- Describe any engineering controls: To be determined
- Will the project affect the institutional or engineering controls in place? ☐ Yes ☑ No
- Explain: The remediation work plan is currently under review by regulatory agencies.

**E.2. Natural Resources On or Near Project Site**

a. What is the average depth to bedrock on the project site? 1 feet

b. Are there bedrock outcroppings on the project site? ☑ Yes ☐ No
If Yes, what proportion of the site is comprised of bedrock outcroppings? < 1 %

c. Predominant soil type(s) present on project site:

| | |
|---|---|
| Dutchess-Cardigan Urban Land Complex | 100 % |
| | % |
| | % |

d. What is the average depth to the water table on the project site? Average: > 6 feet

e. Drainage status of project site soils:

| | | |
|---|---|---|
| ☑ | Well Drained: | 100 % of site |
| ☐ | Moderately Well Drained: | % of site |
| ☐ | Poorly Drained | % of site |

f. Approximate proportion of proposed action site with slopes:

| | | |
|---|---|---|
| ☑ | 0-10%: | 100 % of site |
| ☐ | 10-15%: | % of site |
| ☐ | 15% or greater: | % of site |

g. Are there any unique geologic features on the project site? ☐ Yes ☑ No
If Yes, describe:

h. Surface water features.

*i.* Does any portion of the project site contain wetlands or other waterbodies (including streams, rivers, ponds or lakes)? ☐ Yes ☑ No

*ii.* Do any wetlands or other waterbodies adjoin the project site? ☑ Yes ☐ No

If Yes to either *i* or *ii*, continue. If No, skip to E.2.i.

*iii.* Are any of the wetlands or waterbodies within or adjoining the project site regulated by any federal, state or local agency? ☑ Yes ☐ No

*iv.* For each identified regulated wetland and waterbody on the project site, provide the following information:

- Streams: Name Fallkill (Tax Parcel 148369) Classification C
- Lakes or Ponds: Name _____ Classification _____
- Wetlands: Name _____ Approximate Size _____
- Wetland No. (if regulated by DEC) _____

*v.* Are any of the above water bodies listed in the most recent compilation of NYS water quality-impaired waterbodies? ☐ Yes ☑ No

If yes, name of impaired water body/bodies and basis for listing as impaired:

i. Is the project site in a designated Floodway? ☐ Yes ☑ No

j. Is the project site in the 100-year Floodplain? Tax Parcel 148369 ☑ Yes ☐ No

k. Is the project site in the 500-year Floodplain? ☐ Yes ☑ No

l. Is the project site located over, or immediately adjoining, a primary, principal or sole source aquifer? ☐ Yes ☑ No
If Yes:

*i.* Name of aquifer:

m. Identify the predominant wildlife species that occupy or use the project site:

Common Dutchess County Species

n. Does the project site contain a designated significant natural community? ☐ Yes ☑ No

If Yes:

*i.* Describe the habitat/community (composition, function, and basis for designation):

*ii.* Source(s) of description or evaluation:

*iii.* Extent of community/habitat:

- Currently: _____ acres
- Following completion of project as proposed: _____ acres
- Gain or loss (indicate + or -): _____ acres

o. Does project site contain any species of plant or animal that is listed by the federal government or NYS as endangered or threatened, or does it contain any areas identified as habitat for an endangered or threatened species? ☐ Yes ☑ No

NYSDEC Automated answer - Answer should be yes

If Yes:

*i.* Species and listing (endangered or threatened):

NYSDEC: None; USFWS: Indiana Bat

p. Does the project site contain any species of plant or animal that is listed by NYS as rare, or as a species of special concern? ☐ Yes ☑ No

If Yes:

*i.* Species and listing:

q. Is the project site or adjoining area currently used for hunting, trapping, fishing or shell fishing? ☐ Yes ☑ No

If yes, give a brief description of how the proposed action may affect that use:

**E.3. Designated Public Resources On or Near Project Site**

a. Is the project site, or any portion of it, located in a designated agricultural district certified pursuant to Agriculture and Markets Law, Article 25-AA, Section 303 and 304? ☐ Yes ☑ No

If Yes, provide county plus district name/number:

b. Are agricultural lands consisting of highly productive soils present? ☐ Yes ☑ No

*i.* If Yes: acreage(s) on project site?

*ii.* Source(s) of soil rating(s):

c. Does the project site contain all or part of, or is it substantially contiguous to, a registered National Natural Landmark? ☐ Yes ☑ No

If Yes:

*i.* Nature of the natural landmark: ☐ Biological Community ☐ Geological Feature

*ii.* Provide brief description of landmark, including values behind designation and approximate size/extent:

d. Is the project site located in or does it adjoin a state listed Critical Environmental Area? ☐ Yes ☑ No

If Yes:

*i.* CEA name:

*ii.* Basis for designation:

*iii.* Designating agency and date:

e. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district which is listed on the National or State Register of Historic Places, or that has been determined by the Commissioner of the NYS Office of Parks, Recreation and Historic Preservation to be eligible for listing on the State Register of Historic Places? ☑ Yes ☐ No

If Yes:

*i.* Nature of historic/archaeological resource: ☐ Archaeological Site ☑ Historic Building or District

*ii.* Name: Standard Gage Company Plant

*iii.* Brief description of attributes on which listing is based:

f. Is the project site, or any portion of it, located in or adjacent to an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory? ☑ Yes ☐ No

g. Have additional archaeological or historic site(s) or resources been identified on the project site? ☐ Yes ☑ No

If Yes:

*i.* Describe possible resource(s):

*ii.* Basis for identification:

h. Is the project site within fives miles of any officially designated and publicly accessible federal, state, or local scenic or aesthetic resource? ☑ Yes ☐ No

If Yes:

*i.* Identify resource: varies

*ii.* Nature of, or basis for, designation (e.g., established highway overlook, state or local park, state historic trail or scenic byway, etc.): Municipal, County, State, Federal Recreation resources, State and National Historic Sites, Scenic Byways

*iii.* Distance between project and resource: 1 - 5 miles.

i. Is the project site located within a designated river corridor under the Wild, Scenic and Recreational Rivers Program 6 NYCRR 666? ☐ Yes ☑ No

If Yes:

*i.* Identify the name of the river and its designation:

*ii.* Is the activity consistent with development restrictions contained in 6NYCRR Part 666? ☐ Yes ☐ No

**F. Additional Information**

Attach any additional information which may be needed to clarify your project.

If you have identified any adverse impacts which could be associated with your proposal, please describe those impacts plus any measures which you propose to avoid or minimize them.

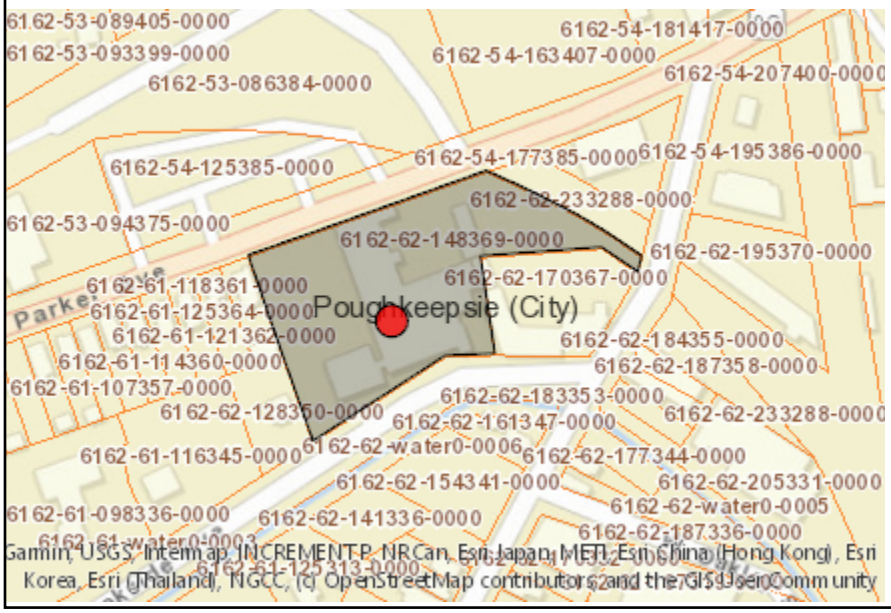
**G. Verification**

I certify that the information provided is true to the best of my knowledge.

Applicant/Sponsor Name _____ Date_____

Signature_____ Title_____

**PRINT FORM**

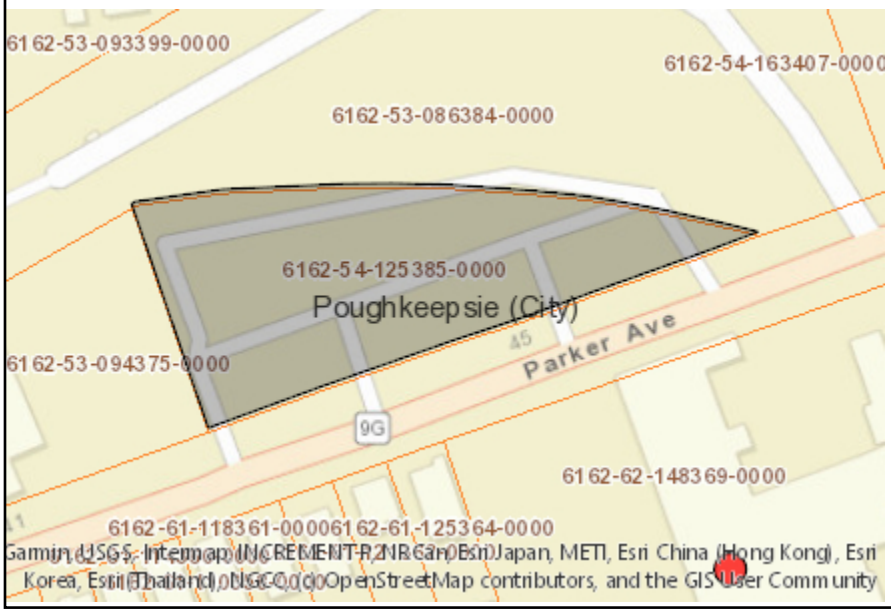



**Disclaimer:** The EAF Mapper is a screening tool intended to assist project sponsors and reviewing agencies in preparing an environmental assessment form (EAF). Not all questions asked in the EAF are answered by the EAF Mapper. Additional information on any EAF question can be obtained by consulting the EAF Workbooks. Although the EAF Mapper provides the most up-to-date digital data available to DEC, you may also need to contact local or other data sources in order to obtain data not provided by the Mapper. Digital data is not a substitute for agency determinations.




| | |
|---|---|
| B.i.i [Coastal or Waterfront Area] | No |
| B.i.ii [Local Waterfront Revitalization Area] | No |
| C.2.b. [Special Planning District] | Yes - Digital mapping data are not available for all Special Planning Districts. Refer to EAF Workbook. |
| C.2.b. [Special Planning District - Name] | Remediaton Sites:C314131 |
| E.1.h [DEC Spills or Remediation Site - Potential Contamination History] | Yes - Digital mapping data for Spills Incidents are not available for this location. Refer to EAF Workbook. |
| E.1.h.i [DEC Spills or Remediation Site - Listed] | Yes |
| E.1.h.i [DEC Spills or Remediation Site - Environmental Site Remediation Database] | Yes |
| E.1.h.i [DEC Spills or Remediation Site - DEC ID Number] | C314131 |
| E.1.h.iii [Within 2,000' of DEC Remediation Site] | Yes |
| E.1.h.iii [Within 2,000' of DEC Remediation Site - DEC ID] | B00036, C314131, B00020, 314122, 314074 |
| E.2.g [Unique Geologic Features] | No |
| E.2.h.i [Surface Water Features] | No |
| E.2.h.ii [Surface Water Features] | Yes |
| E.2.h.iii [Surface Water Features] | Yes - Digital mapping information on local and federal wetlands and waterbodies is known to be incomplete. Refer to EAF Workbook. |
| E.2.h.v [Impaired Water Bodies] | No |
| E.2.i. [Floodway] | No |
| E.2.j. [100 Year Floodplain] | Yes |
| E.2.k. [500 Year Floodplain] | No |

| | |
|---|---|
| E.2.l. [Aquifers] | No |
| E.2.n. [Natural Communities] | No |
| E.2.o. [Endangered or Threatened Species] | No |
| E.2.p. [Rare Plants or Animals] | No |
| E.3.a. [Agricultural District] | No |
| E.3.c. [National Natural Landmark] | No |
| E.3.d [Critical Environmental Area] | No |
| E.3.e. [National or State Register of Historic Places or State Eligible Sites] | Digital mapping data are not available or are incomplete. Refer to EAF Workbook. |
| E.3.f. [Archeological Sites] | Yes |
| E.3.i. [Designated River Corridor] | No |



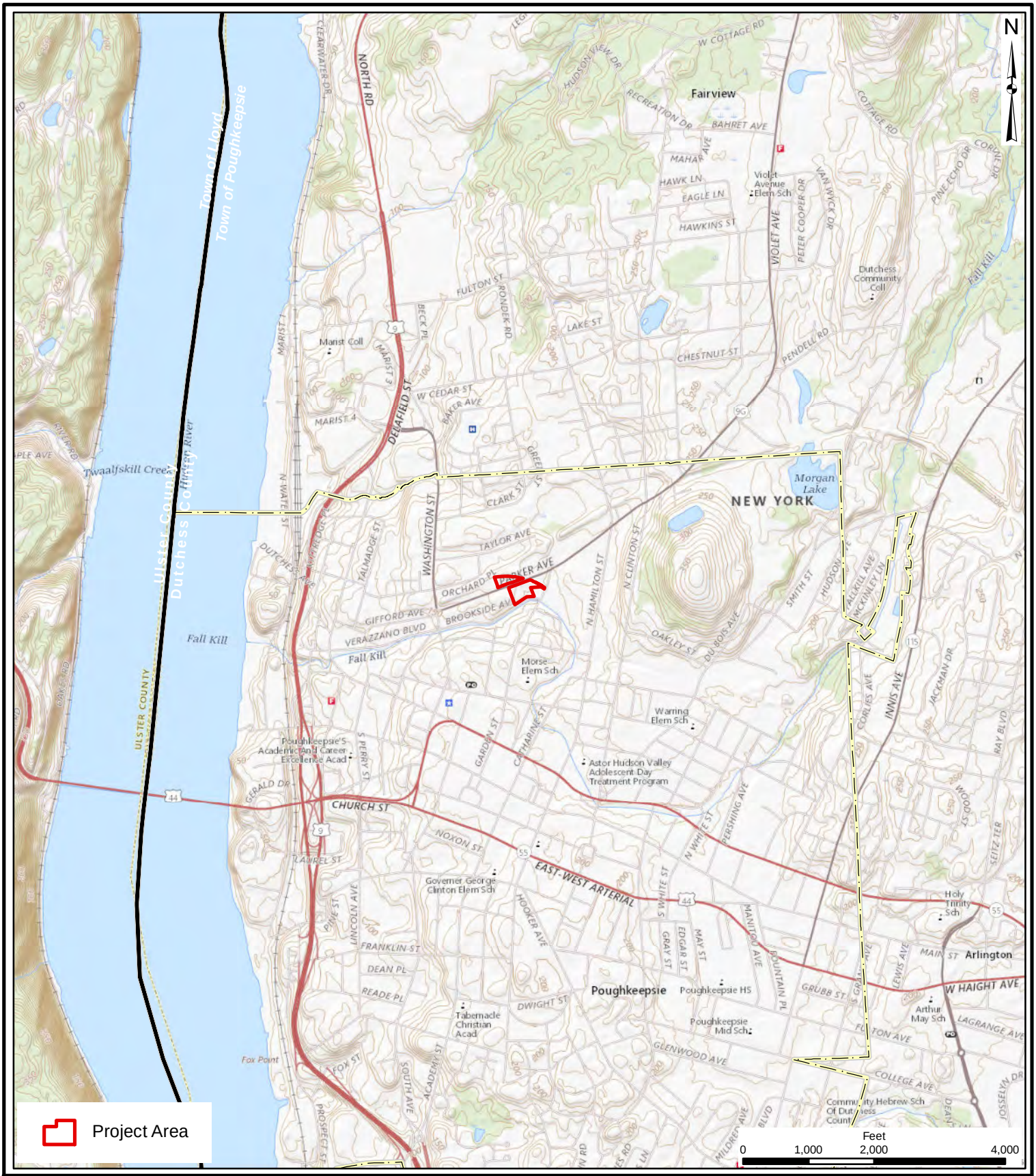

**Disclaimer:** The EAF Mapper is a screening tool intended to assist project sponsors and reviewing agencies in preparing an environmental assessment form (EAF). Not all questions asked in the EAF are answered by the EAF Mapper. Additional information on any EAF question can be obtained by consulting the EAF Workbooks. Although the EAF Mapper provides the most up-to-date digital data available to DEC, you may also need to contact local or other data sources in order to obtain data not provided by the Mapper. Digital data is not a substitute for agency determinations.




| | |
|---|---|
| B.i.i [Coastal or Waterfront Area] | No |
| B.i.ii [Local Waterfront Revitalization Area] | No |
| C.2.b. [Special Planning District] | Digital mapping data are not available or are incomplete. Refer to EAF Workbook. |
| E.1.h [DEC Spills or Remediation Site - Potential Contamination History] | Digital mapping data are not available or are incomplete. Refer to EAF Workbook. |
| E.1.h.i [DEC Spills or Remediation Site - Listed] | Digital mapping data are not available or are incomplete. Refer to EAF Workbook. |
| E.1.h.i [DEC Spills or Remediation Site - Environmental Site Remediation Database] | Digital mapping data are not available or are incomplete. Refer to EAF Workbook. |
| E.1.h.iii [Within 2,000' of DEC Remediation Site] | Yes |
| E.1.h.iii [Within 2,000' of DEC Remediation Site - DEC ID] | B00036, C314131, B00020, 314074 |
| E.2.g [Unique Geologic Features] | No |
| E.2.h.i [Surface Water Features] | No |
| E.2.h.ii [Surface Water Features] | Yes |
| E.2.h.iii [Surface Water Features] | Yes - Digital mapping information on local and federal wetlands and waterbodies is known to be incomplete. Refer to EAF Workbook. |
| E.2.h.v [Impaired Water Bodies] | No |
| E.2.i. [Floodway] | No |
| E.2.j. [100 Year Floodplain] | No |
| E.2.k. [500 Year Floodplain] | No |
| E.2.l. [Aquifers] | No |
| E.2.n. [Natural Communities] | No |
| E.2.o. [Endangered or Threatened Species] | No |

| | |
|---|---|
| E.2.p. [Rare Plants or Animals] | No |
| E.3.a. [Agricultural District] | No |
| E.3.c. [National Natural Landmark] | No |
| E.3.d [Critical Environmental Area] | No |
| E.3.e. [National or State Register of Historic Places or State Eligible Sites] | Digital mapping data are not available or are incomplete. Refer to EAF Workbook. |
| E.3.f. [Archeological Sites] | Yes |
| E.3.i. [Designated River Corridor] | No |

# FIGURES




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***Scenic Hudson Workspace***

# USGS Location Map

58 Parker Ave, City of Poughkeepsie - Dutchess County, NY

| | |
|---|---|
| Drawn: | RL-B |
| Date: | 07/29/2021 |
| Scale: | 1 inch = 2,000 feet |
| Project: | 82105 |
| Figure: | 1 |

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# Orthophoto Tax Map

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| | |
|---|---|
| Drawn: | RL-B |
| Date: | 07/29/2021 |
| Scale: | 1 inch = 150 feet |
| Project: | 82105 |
| Figure: | 2 |

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## Land Use within 500 feet

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| | |
|---|---|
| Drawn: | RL-B |
| Date: | 07/29/2021 |
| Scale: | 1 inch = 250 feet |
| Project: | 82105 |
| Figure: | 3 |

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# Soils

58 Parker Ave, City of Poughkeepsie - Dutchess County, NY

| | |
|---|---|
| Drawn: | RL-B |
| Date: | 07/29/2021 |
| Scale: | 1 inch = 150 feet |
| Project: | 82105 |
| Figure: | 4 |

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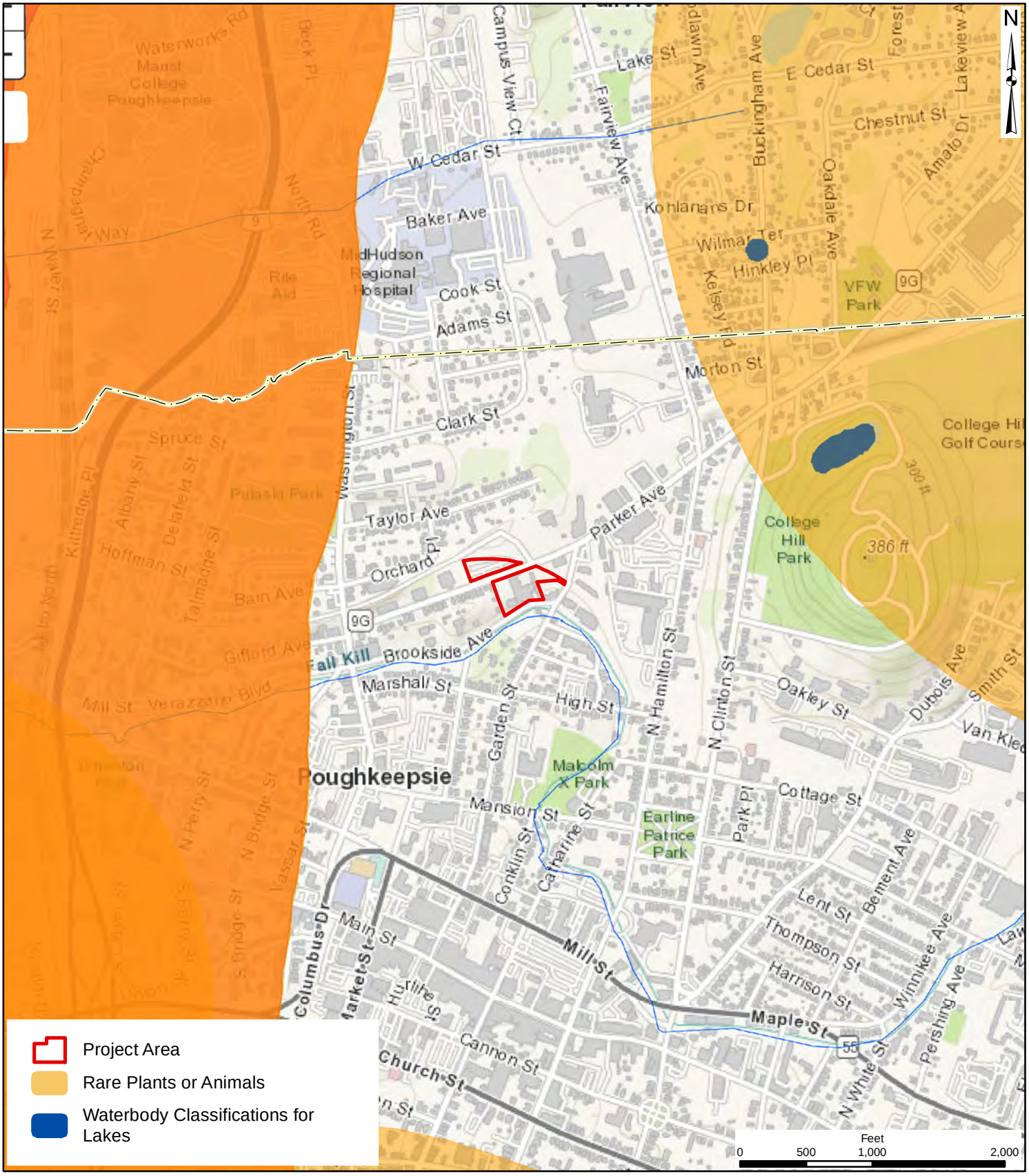
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# Wetlands and Streams

58 Parker Ave, City of Poughkeepsie - Dutchess County, NY

| | |
|---|---|
| Drawn: | RL-B |
| Date: | 07/29/2021 |
| Scale: | 1 inch = 200 feet |
| Project: | 82105 |
| Figure: | 5 |

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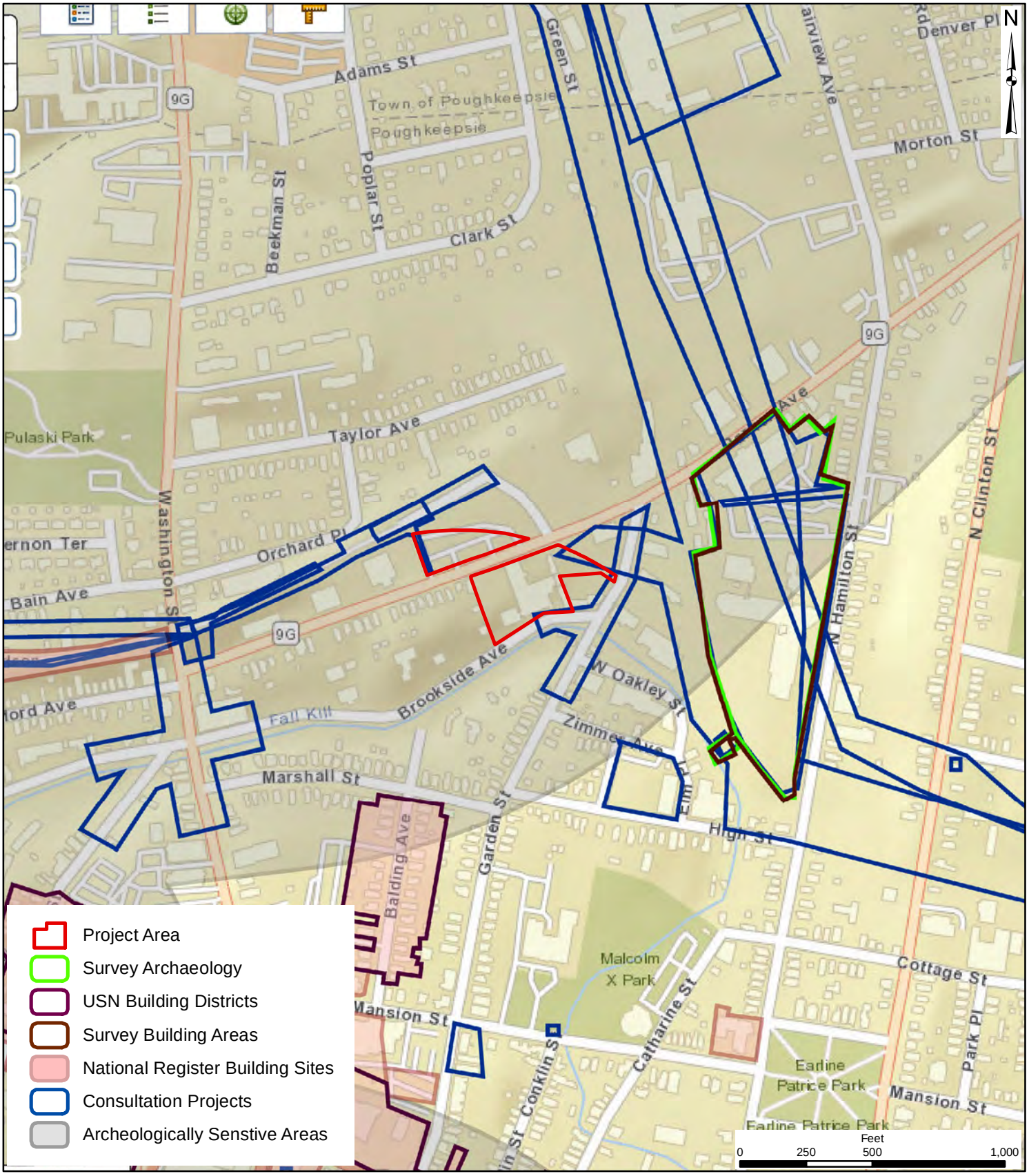
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# NYSDEC Environmental Resource Map

58 Parker Ave, City of Poughkeepsie - Dutchess County, NY

| | |
|---|---|
| Drawn: | RL-B |
| Date: | 07/29/2021 |
| Scale: | 1 inch = 1,000 feet |
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| Figure: | 6 |

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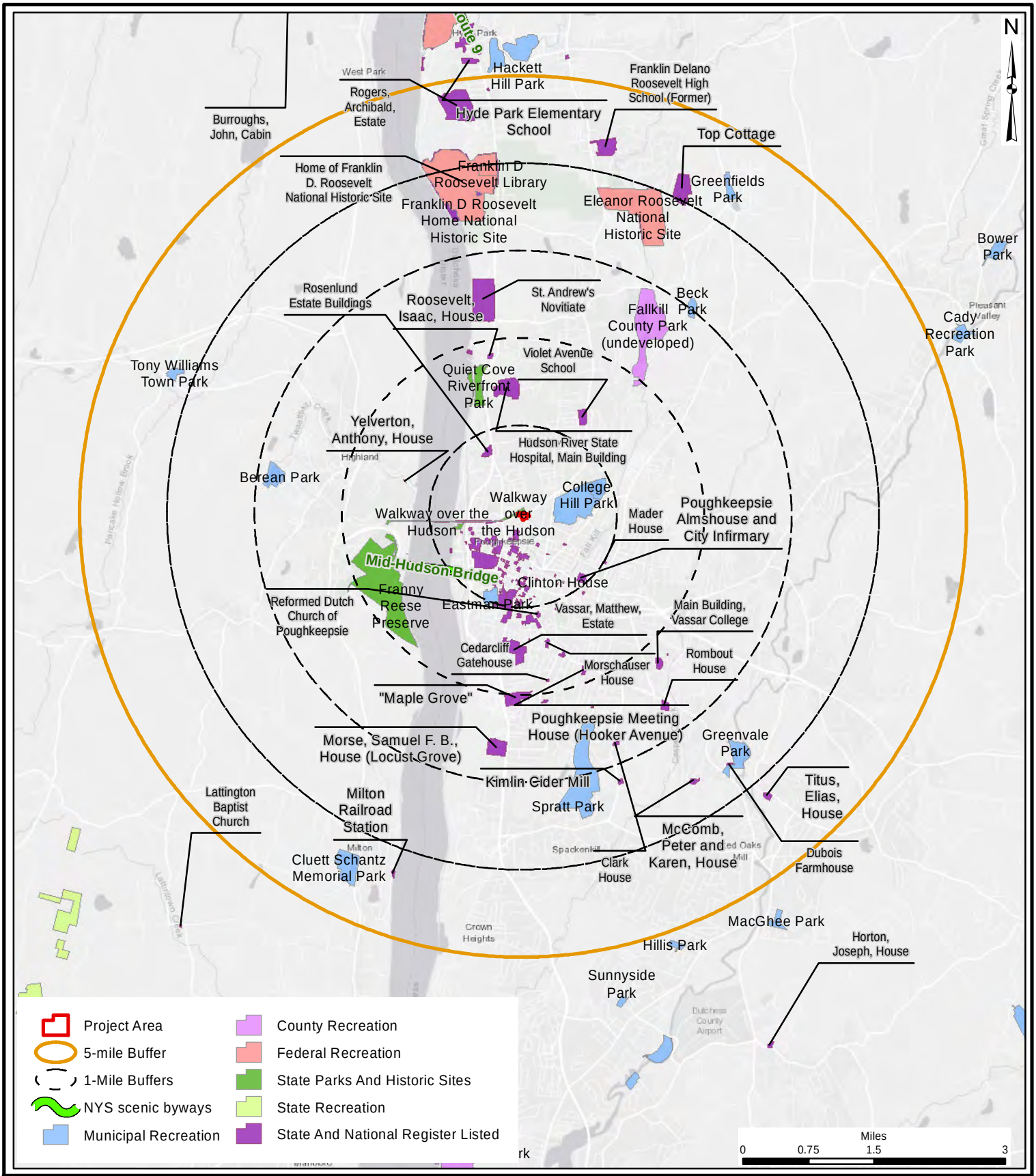
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# NYSOPRHP
# Cultural Resource Information System (CRIS) Map

58 Parker Ave, City of Poughkeepsie - Dutchess County, NY

| | |
|---|---|
| Drawn: | RL-B |
| Date: | 07/29/2021 |
| Scale: | 1 inch = 500 feet |
| Project: | 82105 |
| Figure: | 7 |

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***Scenic Hudson Workspace***

# Publicly Accessible Federal, State, or Local Scenic or Aesthetic Resources within 5 Miles

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| | |
|---|---|
| Drawn: | RL-B |
| Date: | 07/29/2021 |
| Scale: | 1 inch = 7,920 feet |
| Project: | 82105 |
| Figure: | 8 |

Document Path: E:\NY_Projects\82105\82105_Scenic_8x11.mxd

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One Civic Center Plaza,
Suite 200
Poughkeepsie, NY 12601-3157
Tel: 845 473 4440
Fax: 845 473 2648
ScenicHudson.org

# MEMMORANDUM: Parking Count

9/30/2021

To: Natalie Quinn, Planning Director
City of Poughkeepsie

From: Caroline Alsup
Project Director for Scenic Hudson
Authorized Representative for Northside Junction, LLC

Dear Natalie,

Thank you for the Planning Boards' guidance on our 58 Parker Avenue project. As we have discussed, our parking needs are lower than the parking count described in the zoning code. This is due to current and future projected occupancy as well as available alternate modes of transportation staff and others will utilize to commute to the space.

In summary, we are proposing 87 parking spaces. With the current staff of 65, this will be more than adequate for our needs as well as allow for growth. 87 spaces represents a reduction of 26 in the amount of parking required by the ratio in Section 19-3.25, #13 (B) of the zoning code. The code also permits a further reduction of required parking for bike parking spaces provided, please see below, which we also plan to utilize. This breakdown is also on the cover sheet of the site plan drawing set.

**PARKING REQUIREMENTS**

| BUILDING | TOTAL BLDG AREA | PROPOSED USE | SPACES/1000 SF OFFICE - 2.5 spaces/1000 SF RETAILS - 3 Spaces/ 1000 SF | REQUIRED # OF PARKING | PROPOSED VEHICULAR PARKING | PROPOSED BIKE PARKING |
|---|---|---|---|---|---|---|
| BLDG A | 22,010 | OFFICE SPACE | 2.5 | 55.0 | | |
| BLDG B | 13,220 | OFFICE SPACE | 2.5 | 33.1 | | |
| BLDG C | 6,410 | OFFICE SPACE | 2.5 | 16.0 | | |
| BLDG D | 3445 | OFFICE SPACE | 2.5 | 8.6 | | |
| BLDG E | 5540 (*1) | UNCOVERED EXTERIOR SPACE | N/A | N/A | | |
| TOTAL APPLICABLE AREA FOR PARKING COUNTS | 38,675 | | | | | |
| | | TOTAL REQUIRED # OF PARKING SPACES | | 113 | | |
| | | TOTAL PROPOSED # OF PARKING SPACES | | 87 | 82 | 10 * |
| | | DELTA | | 26 | | |

* - TWO BICYCLE SPACES MAY BE USED TO REDUCE THE REQUIRED PARKING BY ONE PARKING SPACE

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For the sake of clarity, we have additionally copied the relevant language from the W-G district zoning code below to demonstrate how our proposed parking count is in conformance with allowed parking quantity changes.

Section 19-3.25 **Walkway-Gateway District (W-G). #13** *Off-street parking.*

**(b)** Unless modified in accordance with Section 19-3.25.(13)(d) herein, the on-site parking spaces required shall be as follows:

2. Office and non-retail commercial: 2 1/2 spaces per 1,000 square feet of floor area.

**(d)** The requirements in Section 19-3.25(13)(b) and (c) above may be modified through a waiver granted by the Planning Board, in its discretion, based upon information submitted by the applicant or otherwise made available in the public record. The Planning Board shall consider the following factors in granting waivers to the off-street parking requirements of this section and may incorporate such reasonable conditions as will, in its judgment, substantially secure the objectives of the requirements so waived. No waiver may be deemed approved or granted by implication. All waivers must be expressly set forth in the minutes of the Board:

**2.** That the projected operational characteristics of the proposed use require a different amount of parking. The actual current and future operational characteristics of Scenic Hudson and any other compatible function to Scenic Hudson will require a lower parking count than that expressed elsewhere in this zoning code.

**4.** That public transit is readily available to serve the needs of the residents or users or the proposed use to reduce anticipated vehicular travel demand. The availability of public transit, as well as the proximity to the Walkway over the Hudson, Dutchess County Rail Trail, and future Urban trail also create a significant opportunity for users to utilize alternate modes of transportation such as walking and biking. This reduces anticipated vehicular travel demand.

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# *STORMWATER POLLUTION PREVENTION PLAN*

*for*

# *Scenic Hudson*

58 Parker Ave
City of Poughkeepsie
Dutchess County, New York




Issued: September 2021

Prepared for:

Northside Junction, LLC
1 Civic Center Plaza #200
Poughkeepsie, NY, 12601

*Prepared by:*

Chazen Engineering, Land Surveying
& Landscape Architecture Co., D.P.C.
21 Fox Street
Poughkeepsie, NY 12601
(845) 454-3980
www.chazencompanies.com

*Chazen Project No. 82105.00*



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## PREPARER OF THE SWPPP

"I hereby certify that the Stormwater Pollution Prevention Plan (SWPPP) for this project has been prepared in accordance with the terms and conditions of the GP-0-20-001. Furthermore, I understand that certifying false, incorrect or inaccurate information is a violation of this permit and the laws of the State of New York and could subject me to criminal, civil and/or administrative proceedings."

Name and Title[1]: Christopher Lapine, P.E. - Director

Date: Issued: September 2021

[1] *This is a signature of a New York State licensed Professional Engineer employed by The Chazen Companies that is duly authorized to sign and seal Stormwater Pollution Prevention Plans (SWPPPs), NOIs, and NOTs prepared under their direct supervision. Refer to Appendix H for the Chazen Certifying Professionals Letter.*

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Appendix B: NYSDEC Forms

- Notice of Intent (NOI)
- MS4 SWPPP Acceptance Form
- Notice of Termination (NOT)

Appendix C: Contractor and Subcontractor Certification Forms

Appendix D: SWPPP Inspection Report (Sample Form)

Appendix E: NYSDEC "Deep-Ripping and Decompaction," April 2008

Appendix F: Post-Construction Inspections and Maintenance

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Appendix H: Chazen Certifying Professionals Letter

Appendix I: Pre-Development Stormwater Modeling

Appendix J: Post-Development Stormwater Modeling

Appendix K: Project Evaluation and Design Calculations

# 1.0 EXECUTIVE SUMMARY

This Stormwater Pollution Prevention Plan (SWPPP) has been prepared for major activities associated with construction of Scenic Hudson Workspace in the City of Poughkeepsie. This SWPPP includes the elements necessary to comply with the national baseline general permit for construction activities enacted by the U.S. Environmental Protection Agency (EPA) under the National Pollutant Discharge Elimination System (NPDES) program and all local governing agency requirements. This SWPPP must be implemented and permit coverage must be obtained prior to the commencement of construction activity.

This SWPPP has been developed in accordance with the "New York State Department of Environmental Conservation (NYSDEC) State Pollutant Discharge Elimination System (SPDES) General Permit for Stormwater Discharges from Construction Activity," Permit No. GP-0-20-001, effective January 29, 2020 through January 28, 2025. The SWPPP and accompanying plans identify and detail stormwater management, pollution prevention, and erosion and sediment control measures necessary during and following completion of construction.

This SWPPP and the accompanying plans entitled "58 Parker Avenue" have been submitted as a set. These engineering drawings are considered an integral part of this SWPPP. Therefore, this SWPPP is not considered complete without them. References made herein to "the plans" or to a specific "sheet" refer to these drawings.

This report considers the impacts associated with the intended development with the purpose of:

1. Maintaining existing drainage patterns as much as possible while continuing the conveyance of upland watershed runoff;
2. Controlling increases in the rate of stormwater runoff resulting from the proposed development so as not to adversely alter downstream conditions; and
3. Mitigating potential stormwater quality impacts and preventing soil erosion and sedimentation resulting from stormwater runoff generated both during and after construction.

The analysis and design completed and documented in this report is intended to be part of the application made for a commercial redevelopment project with no increase in impervious area completed on behalf of the Owner/Operator.

## 1.1 Project Description

The Applicant, Northside Junction, LLC is seeking site plan approval for the proposed adaptive reuse of the former 58,000 SF Standard Gage and Coal Storage manufacturing building for a new approximately 48,000 square-foot (SF) Workspace (Workspace) and 28 surface parking spaces for Scenic Hudson located at 58 Parker Avenue. The project also includes construction of 54 surface parking spaces (including three accessible spaces) on the adjacent lot north of Parker Avenue (North Parker Lot) that is currently occupied by a gravel parking lot. Vehicular access to the new Workspace will be modified from the existing location and provided at the west side of the property. Pedestrian access is provided at grade across the site and amongst elevated walkways between buildings. Access to the North Parker Lot will be accessible via a single access drive, reducing existing accesses from four to one. New York State Office of Parks Recreation and Historic Preservation (NYSOPRHP) maintains an existing access easement on the western side of the North Parker Lot for means of access. A walkway and a crosswalk over Parker Avenue will provide access for visitors

and staff traveling to and from the Workspace. The North Parker Lot will be available for public parking on the weekends.

The total project site area is comprised of approximately 3.03 acres and is zoned Gateway Commercial (G-CM), which is part of the Walkway-Gateway District (W-G). The project site is comprised of two parcels, identified as follows:

- Tax parcel 6162-62-148369 (58 Parker Avenue, approximately 2.1 ac.)
- Tax parcel 6162-54-125385 (Parker Ave, 0.93 ac.)

The site is part of the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program and is classified as "A," which is assigned to non-registry (non-State Superfund sites) sites where work is underway and not yet complete. The site had several former manufacturing uses, including the Standard Gage and Coal Storage building which operated on site for more than 50 years until approximately 2001. The company was a generator of ignitable waste, corrosive waste, halogenated solvents, wastewater treatment sludge from electroplating operations, spent cyanide, plating bath residues, spent stripping and cleaning bath solutions, quenching bath residues, quenching wastewater treatment sludges and soluble cyanide salts. Reportedly spent solvents were discharged into a former floor drain in the southeastern corner of a storage room (north of transformer room). A Remedial Investigation Work Plan (RIWP), which identifies the investigation methodology and site-related contamination was approved by NYSDEC on December 17, 2020. The Remedial Investigation was completed and documented in a March 11, 2021 Report and a Remedial Action Work Plan (RAWP) is proposed to remediate the site using a combination of removal of contaminated soils and clean soil cover or hardscape over the landscape to prevent contact with contaminated soils. The Applicant is currently working with the NYSDEC on the RAWP.

A Site Location Map has been provided in Appendix G, as Figure 1.

This type of project is included in Table 2 of Appendix B of GP-0-20-001; and the project site is not located in one of the watersheds listed in Appendix C of GP-0-20-001. Therefore, this SWPPP includes post-construction stormwater management practices, as well as erosion and sediment controls.

This project is located within the City of Poughkeepsie regulated, traditional land use control Municipal Separate Stormwater Sewer System (MS4). Therefore, an MS4 SWPPP Acceptance Form is required to accompany NOIs submitted to the NYSDEC.

Runoff from the project site will discharge to the Fallkill Creek, which is included in the list of Section 303(d) water bodies included in Appendix E of GP-0-20-001.

Project construction activities will consist primarily of site grading, paving, building construction, and the installation of storm drainage, water supply, and sanitary sewer infrastructure necessary to support the proposed redevelopment project with no increase in impervious area. Construction phase pollutant sources anticipated at the site are disturbed (exposed) soil, vehicle fuels and lubricants, chemicals associated with building construction, and building materials. Without adequate control there is the potential for each type of pollutant to be transported by stormwater.

### 1.2 Stormwater Pollution Controls

The stormwater pollution controls outlined herein have been designed and evaluated in accordance with the following standards and guidelines:

- New York State Stormwater Management Design Manual, dated January 2015 (Design Manual).
- New York State Standards and Specifications for Erosion and Sediment Control, dated November 2016 (SSESC).

Stormwater quality will be enhanced through the implementation of temporary and permanent erosion and sediment control measures, the proposed stormwater management practices, and other construction-phase pollution controls outlined herein.

The proposed stormwater management approach consisting of on-site stormwater management practices will adequately collect, treat, and convey the stormwater runoff.

A bioretention area, underground infiltrators, hydrodynamic separators, and a green roof will be used to manage and treat stormwater runoff generated by the proposed redevelopment project with no increase in impervious area.

Pre- and post-development surface runoff rates have been evaluated for the 1-, 10-, and 100-year 24-hour storm events. Comparison of pre- and post-development watershed conditions demonstrates that the peak rate of runoff from the project site will not be increased.

The post-construction stormwater management practices will be privately owned by then Northside Junction, LLC. Deed restrictions will be in place, which require operation and maintenance of the practices in accordance with the operation and maintenance plan.

### 1.3 Conclusion

This project is subject to the requirements of the City of Poughkeepsie regulated MS4, and this SWPPP has been prepared in conformance with the current Design Manual and SSESC. As such, GP-0-20-001 coverage will be effective five (5) business days from the date the NYSDEC receives the electronically submitted eNOI and signed “MS4 SWPPP Acceptance” form, or ten (10) business days from the date the NYSDEC receives the complete paper NOI and signed “MS4 SWPPP Acceptance” form.

## 2.0 SWPPP IMPLEMENTATION RESPONSIBILITIES

A summary of the responsibilities and obligations of all parties involved with compliance with the NYSDEC SPDES General Permit GP-0-20-00 conditions is outlined in the subsequent sections. For a complete listing of the definitions, responsibilities, and obligations, refer to the SPDES General Permit GP-0-20-001 presented in Appendix A.

### 2.1 Definitions

1. “General SPDES Permit” means a SPDES permit issued pursuant to 6 NYCRR Part 750-1.21 authorizing a category of discharges.

2. "Owner" or "Operator" means the person, persons, or legal entity which owns or leases the property on which the *construction activity* is occurring; and/or an entity that has operational control over the construction plans and specifications, including the ability to make modifications to the plans and specifications. There may be occasions during the course of a project in which there are multiple Owners/Operators, all of which will need to file and maintain the appropriate SWPPP documents and plans, including without limitation, the Notice of Intent (NOI) and Notice of Termination (NOT).

3. "Owner's/Operator's Engineer" means the person or entity retained by an Owner/Operator to design and oversee the implementation of the SWPPP.

4. "Contractor" means the person or entity identified as such in the construction contract with the Owner/Operator. The term "Contractor" shall also include the Contractor's authorized representative, as well as any and all subcontractors retained by the Contractor.

5. "Qualified Inspector" means a person that is knowledgeable in the principles and practices of erosion and sediment control, such as licensed Professional Engineer, Certified Professional in Erosion and Sediment Control (CPESC), Registered Landscape Architect, or other Department endorsed individual(s).

   It can also mean someone working under the direct supervision of, and at the same company as, the licensed Professional Engineer or Registered Landscape Architect, provided that person has training in the principles and practices of erosion and sediment control. Training in the principles and practices of erosion and sediment control means that an individual working under the direct supervision of the licensed Professional Engineer or Registered Landscape Architect has received four (4) hours of Department endorsed training in proper erosion and sediment control principles from a Soil and Water Conservation District, or other Department endorsed entity. After receiving the initial training, the individual working under the direct supervision of the licensed Professional Engineer or Registered Landscape Architect shall receive four (4) hours of training every three (3) years.

   It can also mean a person that meets the *Qualified Professional* qualifications in addition to the *Qualified Inspector* qualifications.

   Note: Inspections of any post-construction stormwater management practices that include structural components, such as a dam for an impoundment, shall be performed by a licensed Professional Engineer.

6. "Qualified Professional" means a person that is knowledgeable in the principles and practices of stormwater management and treatment, such as a licensed Professional Engineer, Registered Landscape Architect, or other Department endorsed individual(s). Individuals preparing SWPPPs that require the post-construction stormwater management practice component must have an understanding of the principles of hydrology, water quality management practice design, water quantity control design, and, in many cases, the principles of hydraulics. All components of the SWPPP that involve the practice of engineering, as defined by the NYS Education Law (see Article 145), shall be prepared by, or under the direct supervision of, a professional engineer licensed to practice in the State of New York.

7. "Trained Contractor" means an employee from a contracting (construction) company, identified in Part III.A.6., that has received four (4) hours of Department endorsed training in proper erosion and sediment control principles from a Soil and Water Conservation District, or other Department endorsed entity. After receiving the initial training, the *Trained Contractor* shall receive four (4) hours of training every three (3) years.

   It can also mean an employee from a contracting (construction) company, identified in Part III.A.6.,that meets the *Qualified Inspector* qualifications (e.g. licensed Professional Engineer, Certified Professional in Erosion and Sediment Control (CPESC), Registered Landscape Architect, or someone working under the direct supervision of, and at the same company as, the licensed Professional Engineer or Registered Landscape Architect, provided they have received four (4) hours of Department endorsed training in proper erosion and sediment control principles from a Soil and Water Conservation District, or other Department endorsed entity.

   The "Trained Contractor(s)" will be responsible for the day to day implementation of the SWPPP.

## 2.2 Owner's/Operator's Responsibilities

1. Ensure that control measures are selected, designed, installed, implemented and maintained to minimize the discharge of pollutants and prevent a violation of the water quality standards, meeting the non-numeric effluent limitations in Part I.B.1.(a)-(f) of the SPDES General Permit and in accordance with the New York State Standards and Specifications for Erosion and Sediment Control, dated November 2016.

2. Ensure that practices are selected, designed, installed, and maintained to meet the performance criteria in the Design Manual. Practices must be designed to meet the applicable sizing criteria in Part I.C.2.a., b., c. or d. of GP-0-20-001.

3. Retain the services of a "Qualified Inspector" or "Qualified Professional" as defined under Section 2.1, to provide the services outlined in Section 2.5 "Qualified Inspector's/Qualified Professional's Responsibilities."

4. Retain the services of a "Qualified Professional," as defined under Section 2.1, to provide the services outlined in Section 2.3 "Owner's/Operator's Engineers Responsibilities."

5. Have an authorized corporate officer sign the completed NOI. A copy of the completed NOI is included in Appendix B.

6. Submit the electronic version of the NOI (eNOI) along with the MS4 SWPPP acceptance form using the NYSDEC's website (http://www.dec.ny.gov/chemical/43133.html).

7. Pay the required initial and annual fees upon receipt of invoices from NYSDEC. These invoices are generally issued in the fall of each year. The initial fee is calculated as $110.00 per acre disturbed plus $675.00 per acre of net increase in impervious cover, and the annual fee is $110.00.

8. Prior to the commencement of construction activity, identify the contractor(s) and subcontractor(s) that will be responsible for implementing the erosion and sediment control measures and stormwater management practices described in this SWPPP. Have each of these contractors and subcontractors identify at least one "Trained Contractor", as defined under Section 2.1 that will be

responsible for the implementation of the SWPPP. Ensure that the Contractor has at least one "Trained Contractor" on site on a daily basis when soil disturbance activities are being performed.

9. Schedule a pre-construction meeting which shall include the City of Poughkeepsie representative, Owner's/Operator's Engineer, Contractor, and their sub-contractors to discuss responsibilities as they relate to the implementation of this SWPPP.

10. Retain the services of an independent certified materials testing and inspection firm operating under the direction of a licensed Professional Engineer to perform regular tests, inspections, and certifications of the construction materials used in the construction of all post-construction stormwater management practices.

11. Retain the services of a NYS licensed land surveyor to perform an as-built topographic survey of the completed post-construction stormwater management facilities.

12. Require the Contractor to fully implement the SWPPP prepared for the site by the Owner/Operator's Engineer to ensure that the provisions of the SWPPP are implemented from the commencement of construction activity until all areas of disturbance have achieved final stabilization and the Notice of Termination (NOT) has been submitted to the NYSDEC.

13. Forward a copy of the NOI Acknowledgement Letter received from the regulatory agency to the Owner's/Operator's Engineer for project records, and to the Contractor for display at the construction site.

14. Maintain a copy of the General Permit (GP-0-20-001), NOI, NOI Acknowledgement Letter, SWPPP, MS4 SWPPP Acceptance Form, inspection reports, Spill Prevention, Countermeasures, Cleanup ("SPCC") Plan, and all documentation in accordance with Part I.F.8.a.-d of GP-0-20-001 necessary to demonstrate eligibility with the permit at the construction site, until all disturbed areas have achieved final stabilization and the NOT has been submitted to the NYSDEC. Place documents in a secure location that must be accessible during normal business hours to an individual performing a compliance inspection.

15. Prior to submitting a Notice of Termination, ensure for post-construction stormwater management practice(s) that are privately owned, the Owner/Operator has a deed restriction in place that requires operation and maintenance of the practice(s) in accordance with the operation and maintenance plan.

16. Submit a Notice of Termination (NOT) form (see Appendix B) within 48 hours of receipt of the Owner's/Operator's Engineer's certification of final site stabilization to the following:

    NOTICE OF TERMINATION
    NYS DEC, Bureau of Water Permits
    625 Broadway, 4th Floor
    Albany, New York 12233-3505

    City of Poughkeepsie
    62 Civic Plaza
    Poughkeepsie, NY 12601

17. Request and receive all SWPPP records from the Owner's/Operator's Engineer and archive those records for a minimum of five (5) years after the NOT is filed.

18. Implement the Post-Construction Inspections and Maintenance procedures outlined in Appendix F.

19. The NOI, SWPPP, and inspection reports required by GP-0-20-001 are public documents that the Owner/Operator must make available for review and copying by any person within five (5) business days of the Owner/Operator receiving a written request by any such person to review the NOI, SWPPP, or inspection reports. Copying of documents will be done at the requester's expense.

20. The Owner/Operator must keep the SWPPP current at all times. At a minimum, the Owner/Operator shall amend the SWPPP:
    a) Whenever the current provisions prove to be ineffective in minimizing pollutants in stormwater discharges from the project site;
    b) Whenever there is a change in design, construction, or operation at the construction site that has or could have an effect on the discharge of pollutants; and
    c) To address issues or deficiencies identified during an inspection by the "Qualified Inspector," the Department, or other Regulatory Authority.
    d) To document the final construction conditions.

## 2.3 Owner's/Operator's Engineer's Responsibilities

1. Prepare the SWPPP using good engineering practices, best management practices, and in compliance with all federal, state, and local regulatory requirements.

2. Prepare the Notice of Intent (NOI) form (see Appendix B), sign the "SWPPP Preparer Certification" section of the NOI, and forward to Owner/Operator for signature.

3. Provide copies of the SWPPP to the City of Poughkeepsie once all signatures and attachments are complete.

4. Enter Contractor's information in Section 2.5 "SWPPP Participants" once a Contractor is selected by the Owner/Operator.

5. Update the SWPPP each time there is a significant modification to the pollution prevention measures or a change of the principal Contractor working on the project who may disturb site soil.

## 2.4 Contractor's Responsibilities

1. Sign the SWPPP Contractor's Certification Form contained within Appendix C and forward to the Owner's/Operator's Engineer for inclusion in the Site Log Book.

2. Identify at least one Trained Contractor that will be responsible for implementation of this SWPPP. Ensure that at least one Trained Contractor is on site on a daily basis when soil disturbance activities are being performed. The Trained Contractor shall inspect the erosion and sediment control practices and pollution prevention measures being implemented within the active work area daily

to ensure that they are being maintained in effective operating conditions at all times. If deficiencies are identified, the contractor shall begin implementing corrective actions within one business day and shall complete the corrective actions in a reasonable time frame.

3. Provide the names and addresses of all subcontractors working on the project site. Require all subcontractors who will be involved with construction activities that will result in soil disturbance to identify at least one Trained Contractor that will be on site on a daily basis when soil disturbance activities are being performed; and to sign a copy of the Subcontractor's Certification Form contained within Appendix C, then forward to the Owner's/Operator's Engineer for inclusion into the Site Log Book. This information must be retained as part of the Site Log Book.

4. Maintain a Spill Prevention and Response Plan in accordance with requirements outlined in Section 5 of this SWPPP. This plan shall be provided to the Owner's/Operator's Engineer for inclusion in the Site Log Book, prior to mobilization on-site.

5. Participate in a pre-construction meeting which shall include the City of Poughkeepsie representative, Owner/Operator, Owner's/Operator's Engineer, and all subcontractors to discuss responsibilities as they relate to the implementation of this SWPPP.

6. If Contractor plans on utilizing adjacent properties for material, waste, borrow, or equipment storage areas, or if Contractor plans to engage in industrial activity other than construction (such as operating asphalt and/or concrete plants) at the site, Contractor shall submit appropriate documentation to the Owner's/Operator's Engineer so that the SWPPP can be modified accordingly.

7. Implement site stabilization, erosion and sediment control measures, and other requirements of the SWPPP.

8. In accordance with the requirements in the most current version of the NYS Standards and Specifications for Erosion and Sediment Control, conduct inspections of erosion and sediment control measures installed at the site to ensure that they remain in effective operating condition at all times. Prepare and retain written documentation of inspections as well as of all repairs/maintenance activities performed. This information must be retained as part of the Site Log Book.

9. Begin implementing corrective actions within one (1) business day of receipt of notification by the Qualified Inspector/Qualified Professional that deficiencies exist with the erosion and sediment control measures employed at the site. Corrective actions shall be completed within a reasonable time frame.

10. Maintain a record of the date(s) and location(s) that soil restoration is performed in accordance with the accompanying plans and NYSDEC Division of Water's publication "Deep-Ripping and Decompaction," dated April 2008. A copy of this is publication is provided in Appendix E. The record that is to be maintained shall be a copy of the overall site grading plan delineating the area(s) and date(s) that the soil was restored.

11. Upon completion of all construction at the site, the contractor responsible for overall SWPPP Compliance shall sign the certification on their Contractor Certification Form indicating that: a.) all temporary erosion and sediment control measures have been removed from the site, b.) the on-site soils disturbed by construction activity have been restored in accordance with the SWPPP and

the NYSDEC Division of Water's publication "Deep-Ripping and Decompaction," and c.) all permanent stormwater management practices required by the SWPPP have been installed in accordance with the contract documents.

## 2.5 Qualified Inspector's/Qualified Professional's Responsibilities

1. Participate in a pre-construction meeting with the City of Poughkeepsie representative, Owner/Operator, Contractor, and their subcontractors to discuss responsibilities as they relate to the implementation of this SWPPP.

2. Conduct an initial assessment of the site prior to the commencement of construction and certify in an inspection report that the appropriate erosion and sediment control measures described within this SWPPP have been adequately installed and implemented to ensure overall preparedness of the site.

3. Provide on-site inspections to determine compliance with the SWPPP. Because this project site directly discharges to one of the 303(d) segments listed in Appendix E of GP-0-20-001 or is located in one of the watersheds listed in Appendix C of GP-0-20-001, site inspections shall occur at an interval of at least twice every seven calendar days, with the inspections separated by a minimum of at least two full calendar days. A written inspection report shall be provided to the Owner/Operator and general contractor within one business day of the completion of the inspection, with any deficiencies identified. A sample inspection form is provided in Appendix D.

4. Prepare an inspection report subsequent to each and every inspection that shall include/address the items listed in Part IV.C.4.a-k of GP-0-20-001. Sign all inspection reports and maintain on site with the SWPPP.

5. Notify the owner/operator and appropriate contractor or subcontractor of any corrective actions that need to be taken.

6. Prepare a construction Site Log Book to be used as a record of all inspection reports generated throughout the duration of construction. Ensure that the construction Site Log Book is maintained and kept up-to-date throughout the duration of construction.

7. Review the Contractor's SWPPP records on a periodic basis to ensure compliance with the requirements for daily reports, soil restoration, inspections, and maintenance logs.

8. Based on the as-built survey and material testing certifications performed by others, perform evaluations of the completed stormwater management practices to determine whether they were constructed in accordance with this SWPPP.

9. Conduct a final site assessment and prepare a certification letter to the Owner/Operator indicating that, upon review of the material testing and inspection reports prepared by the firm retained by the Owner/Operator, review of the completed topographic survey, and evaluation of the completed stormwater management facilities, the stormwater management facilities have been constructed substantially in accordance with the contract documents and should function as designed.

10. Prepare the Notice of Termination (NOT). Sign the NOT Certifications VI (Final Stabilization) and VII (Post-construction Stormwater Management Practices), and forward the NOT to the Owner/Operator for signature on Certification VIII (Owner/Operator Certification).

11. Transfer the SWPPP documents, along with all NOI's, permit certificates, NOT's, construction Site Log Book, and written records required by the General Permit to the Owner/Operator for archiving.

## 2.6 SWPPP Participants

1. Owner's/Operator's Engineer: Christopher Lapine, P.E. - Director
   The Chazen Companies
   21 Fox Street
   Poughkeepsie, NY 12601
   Phone: (845) 454-3980

2. Owner/Operator: Northside Junction, LLC
   1 Civic Center Plaza #200
   Poughkeepsie, NY, 12601

3. Contractor[2]: Name and Title: _____

   Company Name: _____

   Mailing Address: _____

   _____

   Phone: _____

   Fax: _____

[2] *Contractor's information to be entered once the Contractor has been selected.*

# 3.0 SITE CHARACTERISTICS

## 3.1 Land Use and Topography

The project site is located within the Gateway Commercial (G-CM) zoning district, which is part of the Walkway-Gateway District (W-G). The site is surrounded by a mix of land uses, including residential, commercial, industrial, residential, community services, parks and recreation, and vacant areas, see Figure 3. The site abuts the Walkway to the north and the future Dutchess County Rail Trail to the east. There is residential development abutting the site to the west and south, commercial development to the north and east and the County Jail is located to the east. The Fallkill Creek is located to the south. The proposed Workspace (anticipated to be defined as an office use in the G-CM District) and accessory parking lot are permitted uses in the G-CM District. Buildings proposed for future community partner fit out are anticipated to include permitted uses. Parking on the North Parker Lot will be located at the rear of the lot and will be only minimally visible due to the undulating landscaping design.

The overall site is extremely sloping, with slopes ranging from 3 to 70 percent. Site elevations range from approximately 151 feet above mean sea level (MSL) to 182 feet MSL. The parking lot north of Parker Ave slopes south east. The headquarters site south of Parker Ave all slopes, slope south towards Brookside Ave with high points in the northwest corner of lot.

## 3.2 Soils and Groundwater

The US Department of Agriculture (USDA) Web Soil Survey (http://websoilsurvey.nrcs.usda.gov/app/) was used to obtain surficial soil conditions for the study area, as follows:

**Table 1: USDA Soil Data**

| Map Symbol & Description | Hydrologic Soil Group | Permeability (inches/hour) | Erosion Factor K | Depth to Water Table (feet) | Depth to Bedrock (feet) |
|---|---|---|---|---|---|
| DxB – Dutchess-Cardigan-Urban land complex, undulating, rocky | D | 0.06 | N/A | > 6.0 | > 6.0 |

Upon review of the soil data presented in Table 1, the project site contains soils with a soil slope phase of D with a map unit name that inclusive of slopes greater than 25%, and does not contain soils with a soil slope phase of E or F.

The Soil Conservation Service defines the hydrologic soil groups as follows:

- Type D Soils: Soils having a very low infiltration rate and high runoff potential when thoroughly wet. These soils consist chiefly of clays that have high shrink-swell potential, soils that have a permanent high water table, soils that have a clay pan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very low rate of water transmission.

The soils map for the study area is presented in Appendix G, as Figure 2.

## 3.3 Watershed Designation

The project site is not located in a restricted watershed identified in Appendix C of GP-0-20-001.

## 3.4 Receiving Water Bodies

The nearest natural classified water body into which runoff from the project site will discharge is the Fallkill Creek.

The Fallkill Creek is classified by NYSDEC as a Class C water course, and is included in the Section 303(d) list of impaired waters found in Appendix E of GP-0-20-001.

## 3.5 Aquifer Designation

The project site is not located over a US EPA designated Sole Source aquifer; nor is it located over a Primary or Principal aquifer listed in the NYSDEC Technical and Operational Guidance Series (TOGS) 2.1.3 (1980).

## 3.6 Wetlands

A search on the NYSDEC Environmental Resource Mapper on August 13, 2021, and a review of GIS data, determined that no regulated wetlands are located on or in the vicinity of the project site.

## 3.7 Flood Plains

The southeastern portion of the site, in the vicinity of proposed adaptive reused Buildings B and D, was previously located within the Special Flood Hazard Area or 100-year floodplain. The Applicant submitted a Letter of Map Amendment (LOMA) to Federal Emergency Management Agency (FEMA) to remove the project site, including the building, from the floodplain. The Letter of Map Amendment was approved by FEMA (submitted separately). Therefore, approximately 95% of the project site is located in Zone X (not a Special Flood Hazard Area or 100-year floodplain). The remaining area, located within the southwestern corner of the property, remains in Zone A (Special Flood Hazard Area or 100-year floodplain). No ground disturbance is proposed for the project site area located within Zone A.

## 3.8 Listed, Endangered, or Threatened Species

A search was performed on the NYSDEC Environmental Resource Mapper on August 13, 2021, and determined that the project site does not contain any threatened or endangered species, or critical habitat. An Environmental Resource Map has been provided in Appendix G, as Figure 4.

## 3.9 Historic Places

According to the NYS Office of Parks, Recreation, and Historic Preservation (NYSOPRHP) Cultural Resource Information System (CRIS) mapping (Figure 3), the project site does not contain and is not adjacent to any National or State Historic Register site. The project is pursuing Historic Rehabilitation Tax Credits and consultation with NYSOPRHP has indicated that the Standard Gage Company Plant may be eligible for listing in the State and National Registers of Historic Places. Consultation in ongoing with NYSOPRHP and the

National Park Service regarding eligibility. The rehabilitation work proposed to the Standard Gage Company Plant will be done in accordance with the Secretary of the Interior's Standards.

## 3.10 Rainfall Data

Rainfall data utilized in the modeling and analysis was obtained from the Cornell University online Extreme Precipitation in New York & New England website (http://precip.eas.cornell.edu/). A local IDF file was imported, and specific mass curves were generated, in HydroCAD to evaluate the pre- and post-development stormwater runoff characteristics. Rainfall data specific to the portion of Dutchess County under consideration, for various 24-hour storm events, is presented in the following Table:

**Table 2: Rainfall Data**

| Storm Event Return Period | 24-Hour Rainfall (inches) |
|---|---|
| 1-year | 2.61 |
| 10-year | 4.67 |
| 100-year | 8.22 |

## 4.0 CONSTRUCTION SEQUENCE

This project encompasses less than five acres of land and disturbance of additional off-site properties to facilitate construction is not anticipated. Therefore, written approval from City of Poughkeepsie allowing the disturbance of more than five acres of land at any one time is not required. If the Contractor's construction sequence requires the disturbance of more than five acres at any one time, written approval must be obtained from City of Poughkeepsie prior to disturbing more than five acres at once.

The "Erosion and Sediment Control Plan" in the accompanying drawings identifies the major construction activities that are the subject of this SWPPP. The order (or sequence) in which the major activities are expected to begin is presented on the accompanying drawings, though each activity will not necessarily be completed before the next begins. In addition, these activities could occur in a different order if necessary to maintain adequate erosion and sediment control. If this is the case, the contractor shall notify the Owner's/Operator's Engineer overseeing the implementation of the SWPPP.

The Contractor will be responsible for implementing the erosion and sediment control measures identified on the plans. The Contractor may designate these tasks to certain subcontractors as they see fit, but the ultimate responsibility for implementing these controls and ensuring their proper function remains with the Contractor.

Refer to the accompanying plans for details and specifications regarding the construction sequencing schedule.

# 5.0 CONSTRUCTION-PHASE POLLUTION CONTROL

The SWPPP and accompanying plans identify the temporary and permanent erosion and sediment control measures that have been incorporated into the design of this project. These measures will be implemented during construction, to minimize soil erosion and control sediment transport off-site, and after construction, to control the quality and quantity of stormwater runoff from the developed site.

Erosion control measures, designed to minimize soil loss, and sediment control measures, intended to retain eroded soil and prevent it from reaching water bodies or adjoining properties, have been developed in accordance with the following documents:

- NYSDEC SPDES General Permit for Stormwater Discharges From Construction Activity, Permit No. GP-0-20-001 (effective January 29, 2020 through January 28, 2025)
- New York State Standards and Specifications for Erosion and Sediment Control, NYSDEC (November 2016)

The SWPPP and accompanying plans outline the construction scheduling for implementing the erosion and sediment control measures. These documents include limitations on the duration of soil exposure, criteria and specifications for placement and installation of the erosion and sediment control measures, a maintenance schedule, and specifications for the implementation of erosion and sediment control practices and procedures.

Temporary and permanent erosion and sediment control measures that shall be applied during construction generally include:

1. Minimizing soil erosion and sedimentation by stabilization of disturbed areas and by removing sediment from construction site discharges.
2. Preservation of existing vegetation to the greatest extent practical. Following the completion of construction activities in any portion of the site, permanent vegetation shall be established on all exposed soils.
3. Site preparation activities to minimize the area and duration of soil disruption.
4. Establishment of permanent traffic corridors to ensure that “routes of convenience” are avoided.

## 5.1 Temporary Erosion and Sediment Control Measures

The temporary erosion and sediment control measures described in the following sections are included as part of the construction documents.

### *5.1.1 Stabilized Construction Access*

Prior to construction, stabilized construction access(es) will be installed, per accompanying plans, to reduce the tracking of sediment onto public roadways.

Construction traffic must enter and exit the site at the stabilized construction access(es). The intent is to trap dust and mud that would otherwise be carried off-site by construction traffic.

The access(es) shall be maintained in a condition, which will control tracking of sediment onto public rights-of-way or streets. When necessary, additional aggregate will be placed atop the filter fabric to assure the

minimum thickness is maintained. All sediment and/or soil spilled, dropped, or washed onto public rights-of-way must be removed immediately. Periodic inspection and needed maintenance shall be provided after each substantial rainfall event.

### *5.1.2 Dust Control*

Water trucks shall be used as needed during construction to reduce dust generated on-site. Dust control must be provided by the Contractor(s) to a degree that is acceptable to the Owner, and in compliance with the applicable local and state dust control requirements.

### *5.1.3 Temporary Soil Stockpile*

Materials, such as topsoil, will be temporarily stockpiled (if necessary) on the site during the construction process. Stockpiles shall be located in an area away from storm drainage, water bodies and/or courses, and will be properly protected from erosion by a surrounding silt fence barrier.

### *5.1.4 Silt Fencing*

Prior to the initiation of and during construction activities, a geotextile filter fabric (or silt fence) will be established downgradient of all disturbed areas. These barriers may extend into non-impact areas to provide adequate protection of adjacent lands.

Clearing and grubbing will be performed only as necessary for the installation of the sediment control barrier. To facilitate effectiveness of the silt fencing, daily inspections and inspections immediately after significant storm events will be performed by the Contractor(s). Maintenance of the fence will be performed as needed.

### *5.1.5 Temporary Seeding*

Because this site directly discharges to one of the 303(d) segments listed in Appendix E or is located in one of the watersheds listed in Appendix C of GP-0-20-001, temporary soil stabilization measures must be initiated by the end of the next business day and completed within seven (7) days from the date the soil disturbance activity has temporarily ceased.

### *5.1.1 Manufactured Insert Inlet Protection*

Install insert inlet protection beneath the grate of all catch basins, to prevent sediment from entering the catch basins and storm sewer system. Remove sediment accumulation and repair or replace insert as necessary to ensure proper function.

### *5.1.2 Filter Fabric Drop Inlet Protection*

Install filter fabric or silt fence with wooden stakes at the perimeter of existing or proposed catch basins located in lawn areas, to prevent sediment from entering the catch basins and storm sewer system. Remove sediment accumulation and repair or replace fabric as necessary to ensure proper function.

### *5.1.3 Erosion Control Blanket*

Erosion control blankets shall be installed in accordance with manufacturer's requirements on all slopes exceeding 3:1. Erosion control blankets provide temporary erosion protection, rapid vegetative establishment, and long-term erosion resistance to shear stresses generated by high runoff flow velocities associated with steep slopes.

### *5.1.4 Stone Check Dams*

Stone check dams will be installed within drainage ditches to reduce the velocity of stormwater runoff, promote settling of sediment, and reduce sediment transport off-site.

Sediment accumulated behind the stone check dam will be removed as needed to maintain flow through the stone check dam and prevent large flows from carrying sediment over or around the dam. Stones shall be replaced as needed to maintain the design cross section of the structures.

### *5.1.5 Temporary Diversion Swales*

Temporary diversion swales shall be used to divert off-site runoff around the construction site and divert runoff from stabilized areas around disturbed areas. If Applicable – Temporary diversion swales can be used to direct runoff from disturbed areas into sediment traps.

### *5.1.6 Dewatering Operations*

Dewatering will be used to intercept sediment-laden stormwater or pumped groundwater and allow it to settle out of the pumped discharge prior to being discharged from the site. Water from dewatering operations shall be treated to eliminate the discharge of sediment and other pollutants. Water resulting from dewatering operations shall be directed to temporary sediment traps or dewatering devices. Temporary sediment traps and dewatering bags will be provided, installed, and maintained at downgradient locations to control sediment deposits to downstream surfaces.

### *5.1.7 Fiber Roll*

Prior to the initiation of and during construction activities, fiber rolls (12” minimum diameter) will be established downgradient of all disturbed areas to reduce sheet flow on slopes. These rolls may extend into non-impact areas to provide adequate protection of adjacent lands. Spacing will conform to NYSDEC specification for straw bale dike.

Clearing and grubbing will be performed only as necessary for the installation of the fiber rolls. To facilitate effectiveness, daily inspections and inspections immediately after significant storm events will be performed by the Contractor(s) and maintenance will be performed as needed.

### *5.1.8 Compost Filter Sock*

Prior to the initiation of and during construction activities, a compost filter sock (or silt sock) will be established downgradient of all disturbed areas. These filters may extend into non-impact areas to provide adequate protection of adjacent lands. The spacing of the compost filter sock, which will depend on the ground slope and diameter of the sock, shall be based upon New York State or EPA guidance.

Clearing and grubbing will be performed only as necessary for the installation of the sediment control filter; and unlike sediment control barriers, trenching is not required. The ends of the filter sock should be directed upslope, to prevent stormwater from running around the end of the sock. The preferred anchoring method is to drive stakes through the center of the sock at regular intervals; alternatively, stakes can be placed on the downstream side of the sock. To facilitate effectiveness of the compost filter sock, daily inspections and inspections immediately after significant storm events will be performed by the Contractor(s) to ensure that they are intact and the area behind the sock is not filled with sediment. Maintenance of the sock will be performed as needed.

## 5.2 Permanent Erosion and Sediment Control Measures

The permanent erosion and sediment control measures described in the following sections are included as part of the construction documents.

### *5.2.1 Establishment of Permanent Vegetation*

Disturbed areas that will be vegetated must be seeded in accordance with the contract documents. The type of seed, mulch, and maintenance measures as described in the contract documents shall also be followed.

Because this site directly discharges to one of the 303(d) segments listed in Appendix E or is located in one of the watersheds listed in Appendix C of GP-0-20-001, permanent soil stabilization measures must be initiated by the end of the next business day and completed within seven (7) days from the date the soil disturbance activity has permanently ceased.

Final site stabilization is achieved when all soil-disturbing activities at the site have been completed and a uniform, perennial vegetative cover with a density of 80 percent has been established or equivalent stabilization measures (such as the use of mulches or geotextiles) have been employed on all unpaved areas and areas not covered by permanent structures.

### *5.2.2 Rock Outlet Protection*

Rock outlet protection shall be installed at the locations as indicated and detailed on the accompanying plans. The installation of rock outlet protection will reduce the velocity and energy of water, such that the flow will not erode downstream surfaces.

### *5.2.3 Permanent Turf Reinforcement*

Permanent turf reinforcement mats (TRMs) provide long-term erosion protection and vegetation establishment assistance while permanently reinforcing vegetation. TRMs shall be installed on slopes/channels where specified. TRM's provide two key advantages. First, their unique fiber shape and 3-D pattern create a thick matrix of voids that trap seed, soil, and water in place for quicker, thicker vegetation growth. Secondly, they provide additional reinforcement that doubles the vegetation's natural erosion protection abilities by remaining a permanent part of the application and anchoring mature plants to the soil for superior, long-term erosion resistance.

## 5.3 Other Pollutant Controls

Other necessary pollutant controls are listed below:

### *5.3.1 Solid and Liquid Waste Disposal*

No solid or liquid waste materials, including building materials, shall be discharged from the site with stormwater. All solid waste, including disposable materials incidental to any construction activities, must be collected and placed in containers. The containers shall be emptied periodically by a licensed trash disposal service and hauled away from the site.

Substances that have the potential for polluting surface and/or groundwater must be controlled by whatever means necessary in order to ensure that they do not discharge from the site. As an example, special care must be exercised during equipment fueling and servicing operations. If a spill occurs, it must

be contained and disposed of so that it will not flow from the site or enter groundwater, even if this requires removal, treatment, and disposal of soil. In this regard, potentially polluting substances should be handled in a manner consistent with the impact they represent.

#### *5.3.2 Sanitary Facilities*

Temporary sanitary facilities will be provided by the Contractor throughout the construction phase. They must be utilized by all construction personnel and will be serviced by a licensed commercial Contractor. These facilities must comply with state and local sanitary or septic system regulations.

#### *5.3.3 Water Source*

Non-stormwater components of site discharge must be clean water. Water used for construction, which discharges from the site, must originate from a public water supply or private well approved by the Health Department. Water used for construction that does not originate from an approved public supply must not discharge from the site; such water can be retained in temporary ponds/sediment traps until it infiltrates and/or evaporates.

### 5.4 Construction Housekeeping Practices

During the construction phase, the Contractor(s) will implement the following measures:

#### *5.4.1 Material Stockpiles*

Material resulting from clearing and grubbing operations that will be stockpiled on-site, must be adequately protected with downgradient erosion and sediment controls.

#### *5.4.2 Equipment Cleaning and Maintenance*

The Contractor(s) will designate areas for equipment cleaning, maintenance, and repair. The Contractor(s) and subcontractor(s) will utilize those areas. The areas will be protected by a temporary perimeter berm.

#### *5.4.3 Detergents*

The use of detergents for large-scale washing is prohibited (i.e., vehicles, buildings, pavement surfaces, etc.)

#### *5.4.4 Spill Prevention and Response*

A Spill Prevention and Response Plan shall be developed for the site by the Contractor(s). The plan shall detail the steps required in the event of an accidental spill and shall identify contact names and phone numbers of people and agencies that must be notified.

The plan shall include Safety Data Sheets (SDS) for all materials to be stored on-site. All workers on-site will be required to be trained on safe handling and spill prevention procedures for all materials used during construction. Regular tailgate safety meetings shall be held and all workers that are expected on the site during the week shall be required to attend.

#### *5.4.5 Concrete Washout Areas*

A temporary concrete washout area shall be provided for every project where concrete will be poured or otherwise formed on-site, and shall consist of an excavated or above-ground lined construction pit where concrete trucks or equipment can be washed out after their loads have been discharged. Waste generated

from concrete wash water that shall not be allowed to flow into drainage ways, inlets, receiving waters, highway right-of-way, or any location other than the designated concrete washout area(s). Proper signage shall be placed adjacent to the facility to designate the "Concrete Washout Area". Locate the facility a minimum of 100-feet from drainage swales, storm drain inlets, wetlands, streams, and other surface waters. Prevent surface water from entering the washout area.

The hardened residue from the concrete wash areas will be disposed of in the same manner as other non-hazardous construction waste materials. Maintenance of the washout area shall include removal of hardened material when 75% of the storage capacity is filled, and a minimum freeboard of 12 inches shall be maintained. The Contractor will be responsible for seeing that these procedures are followed. The project may require the use of multiple concrete washout areas based on the frequency of concrete pours.

### *5.4.6 Material Storage*

Construction materials shall be stored in a dedicated staging area. The staging area shall be located in an area that prevents negative impacts of construction materials on stormwater quality.

Chemicals, paints, solvents, fertilizers, and other toxic material must be stored in waterproof containers. Except during application, the contents must be kept in trucks or within storage facilities. Runoff containing such material must be collected, removed from the site, treated, and disposed of at an approved solid waste or chemical disposal facility.

# 6.0 STORMWATER MANAGEMENT PLANNING

Chapter 3 of the Design Manual outlines a six-step planning process for site planning and selection of stormwater management practices that must be implemented for both new development and redevelopment projects. This process is intended to develop a design that maintains pre-construction hydrologic conditions through the application of environmentally sound development principles, as well as treatment and control of runoff discharges from the site. The following sections outline the step-by-step process and how it has been applied to this project.

The goals of this Stormwater Management Plan are to analyze the peak rate of runoff under pre- and post-development conditions, to maintain the pre-development rate of runoff in order to minimize impacts to adjacent or downstream properties, and to minimize the impact to the quality of runoff exiting the site.

The Design Manual provides both water quality and water quantity objectives to be met by projects requiring a "Full SWPPP". These objectives will be met by applying stormwater control practices to limit peak runoff rates and improve the quality of runoff leaving the developed site.

## 6.1 STEP 1 – Site Planning

During the Site Planning process, the project site is evaluated for implementation of the green infrastructure planning measures identified in Table 3.1 of the Design Manual, in order to preserve natural resources and reduce impervious cover. Table A of Appendix K provides a description of each green infrastructure planning measure, along with a project specific evaluation.

## 6.2 STEP 2 - Determine Water Quality Treatment Volume (WQv)

Stormwater runoff from impervious surfaces is recognized as a significant contributor of pollution that can adversely affect the quality of receiving water bodies. Therefore, treatment of stormwater runoff is important since most runoff related water quality contaminants are transported from land, particularly the impervious surfaces, during the initial stages of storm events.

### *6.2.1 NYSDEC Requirements for New Development*

The Design Manual requires that water quality treatment be provided for the initial flush of runoff from every storm. The NYSDEC refers to the amount of runoff to be treated as the "Water Quality Volume" (WQv). Section 4.2 of the Design Manual defines the Water Quality Volume as follows:

$$WQv = \frac{[(P)(R_V)(A)]}{12}$$

Where: P = 90% Rainfall Event Number
$R_v$ = 0.05 + 0.009 (I)
I = Impervious Cover (Percent)
A = Contributing Area in Acres

This definition ensures that, all other things being equal, the Water Quality Volume will increase along with the impervious cover percentage.

### *6.2.2 NYSDEC Requirements for Redevelopment Projects*

Chapter 9 of the Design Manual outlines alternative WQv treatment objectives for redevelopment projects.

According to Section 9.2.1.B.IV, redevelopment activities can achieve the water quality treatment objective through a combination of impervious cover reduction, standard SMPs, and alternative SMPs that provide a weighted average of the method as calculated as follows:

%WQv treatment by Alternative Practice = (25-(% IC reduction + % WQv treatment by Standard Practice + % runoff reduction)) x 3

This redevelopment project is proposing a combination of impervious cover reduction, standard, and alternative practice(s) for a calculated %WQv treatment. The calculation is show in Table B of Appendix K.

### *6.2.3 Methodology*

The Water Quality Volume equation has been applied to the drainage area tributary to each of the stormwater quality practices proposed for this project. The practices have been sized to accommodate the Water Quality Volume, as per the performance criteria presented in Chapter 6 and/or Chapter 9 of the Design Manual. Water quality volume calculations for each of the proposed practices are presented in Table B of Appendix K.

## 6.3 STEP 3 – Apply Runoff Reduction Techniques and Standard SMPs with RRv Capacity to Reduce Total WQv

Land use change and development in the watershed increases the volume of runoff. As such, reductions in the amount of runoff from new development, accomplished through the implementation of a stormwater management plan for the site, will play an important role in the success or failure of the watershed-wide stormwater management plan. Runoff reduction techniques can be applied to manage, reduce, and treat stormwater, while maintaining and restoring natural hydrology through infiltration, evapo-transpiration, and the capture and reuse of stormwater. Volume reduction techniques by themselves typically are not sufficient to provide adequate attenuation of stormwater runoff, but they can decrease the size of the peak runoff rate reduction facilities.

### *6.3.1 NYSDEC Requirements for New Development*

The Design Manual states that runoff reduction shall be achieved through infiltration, groundwater recharge, reuse, recycle, and/or evaporation/evapotranspiration of 100-percent of the post-development water quality volume to replicate pre-development hydrology. Runoff control techniques provide treatment in a distributed manner before runoff reaches the collection system, by maintaining pre-construction infiltration, peak runoff flow, discharge volume, as well as minimizing concentrated flow. This can be accomplished by applying a combination of Runoff Reduction Techniques, standard Stormwater Management Practices (SMPs) with RRv capacity, and good operation and maintenance.

### *6.3.2 NYSDEC Requirements for Redevelopment*

Section 3.2 of the Design Manual indicates, “Although encouraged, meeting the RRv criteria is not required for redevelopment activities that meet the criteria in Chapter 9 of this manual.” This project involves the

reconstruction of existing impervious area on a site that has poor draining soil conditions, which renders implementation of many RR techniques and SMPs infeasible.

Although not required, a bioretention area, underground infiltration system, and a green roof are proposed for this project and will provide both WQv and RRv at the site.

### *6.3.3 Methodology*

In order to reduce the required WQv and meet the RRv criteria, a site specific evaluation must be performed to determine the most practical means of reducing runoff volume by application of a combination of RR techniques and standard SMPs with RRv capacity.

### *6.3.4 Application of RR Techniques*

The following Table demonstrates a summary of the RR technique being applied for this project, and both the water quality and runoff reduction volumes it provides. The RR Technique has been designed in accordance with Chapter 5 of the Design Manual. Refer to the contract drawings for practice dimensions, material specifications, and installation details. Practice specific calculations are presented in Appendix K.

**Table 3: Summary of RR Techniques being Applied**

| RR Technique | Design Variant | WQv Required (CF) | WQv Provided (CF) | RRv Capacity | RRv Provided (CF) |
|---|---|---|---|---|---|
| Green Roof | RR-10 | 408 | 408 | 100% | 408 |

### *6.3.5 Application of Standard Stormwater Management Practices (SMPs) with RRv Capacity*

The following Table demonstrates a summary of the standard SMP with RRv capacity that has been incorporated into the stormwater management plan for this project. The standard SMP with RRv capacity has been designed in accordance with Chapter 6 of the Design Manual. Refer to the contract drawings for practice dimensions, material specifications, and installation details. Practice specific calculations are presented in Appendix K.

**Table 4: Summary of Standard SMPs with RRv Capacity being Applied**

| Standard SMP with RRv Capacity | Design Variant | WQv Required (CF) | WQv Provided (CF) | Pretreatment Volume Required (% of WQv) | Pretreatment Volume Required (CF) | Pretreatment Volume Provided (CF) | RRv Capacity | RRv Provided (CF) |
|---|---|---|---|---|---|---|---|---|
| Bioretention (with underdrain) | F-5 | 253 | 543 | 25% | 136 | 253 | 40% | 217 |
| Underground Infiltration System | I-4 | 405 | 658 | 100% | 405 | 405 | 100% | 405 |

#### *6.3.5.1 Bioretention (F-5)*

Bioretention filters are shallow landscaped depressions commonly located in parking lot islands or within small pockets in residential areas that receive stormwater runoff. Stormwater flows into the bioretention area, ponds on the surface, and is gradually infiltrated into the soil bed. Pollutants are removed by a number of processes, such as adsorption, filtration, volatilization, ion exchange, and decomposition. Filtered runoff can either be allowed to infiltrate into the surrounding soil, functioning as an infiltration basin or rainwater garden or collected by an under drain system and discharged to the storm sewer system or directly to receiving waters, functioning like a surface sand filter. Runoff from larger storms is generally diverted past the bioretention area to the stormwater collection and conveyance system.

The Bioretention filter (F-5) was designed according to the criteria set forth in Section 6.4 "Stormwater Filtering Systems" of the Design Manual.

#### *6.3.5.2 Underground Infiltration System (I-4)*

Most proprietary underground infiltration systems operate similarly to traditional infiltration basins (NYSDEC design variant I-2). These practices reduce runoff volume, remove fine sediment and associated pollutants, recharge groundwater, and provide partial attenuation of peak flows for storm events equal to or less than the design storm. Infiltration practices are appropriate for small drainage areas, but can also be used for larger multiple lot applications, in contrast to rain gardens and dry wells, which are primarily intended for single lots.

Proprietary underground infiltration systems are designed to capture and infiltrate the water quality volume, but do not retain a permanent pool. These systems are typically designed to infiltrate the water quality volume as well as to provide detention above the infiltration zone to attenuate peak volumes of larger storm events to meet flood control requirements.

### *6.3.6 RRv Performance Summary*

A summary of the RRv provided is presented in the following table:

**Table 5: RRv Summary**

| RRv Required = WQv Required (CF) | RRv Provided (CF) | % RRv Provided |
|---|---|---|
| 6,202 | 1,030 | 17% |

As indicated in the above table, the RRv provided is not greater than or equal to the RRv required for the project site. A good faith effort has been made to reduce runoff to the greatest extent practical. However, the project site has shallow depth to bedrock and soils with an infiltration rate less than 0.5 in/hr, which prevents reduction of the total WQv. As such, Table C of Appendix K provides a project specific evaluation for each RR technique and standard SMP with RRv capacity, demonstrating why these practices are infeasible.

## 6.4 STEP 4 – Determine the Minimum RRv Required

As previously discussed, meeting the RRv criteria is not required for redevelopment activities with no increase in impervious, that meet the criteria in Chapter 9 of the Design Manual.

## 6.5 STEP 5 – Apply Standard Stormwater Management Practices to Address Remaining Water Quality Volume

If the entire Water Quality Volume is not treated through implementation of RR techniques and standard SMPs with RRv capacity, then the design must achieve the remaining WQv through the standard SMPs listed in Table 3.3 of the Design Manual or the Alternative Practices outlined in Section 9.4 of the Design Manual for redevelopment.

**Table 6: Summary of WQv Required**

| Step 2<br>WQv Required (CF) | Step 3<br>WQv Reduction by RR Techniques & Standard SMPs w/ RRv Capacity (CF) | Step 5<br>Reduced WQv to be Treated by Alternative Practice (CF) |
|---|---|---|
| 6,202 | 1030 | 4,274 |

Based upon the results listed in the above Table, the entire WQv has not been treated by application of RR techniques and standard SMPs with RRv capacity. As such, the standard SMPs or the Alternative Practices (without RRv capacity) described in the following sections, have been incorporated into the stormwater management plan for this project, to meet the WQv objective.

### *6.5.1 Hydrodynamic Separators*

Hydrodynamic separators accelerate the separation of floating and settling pollutants from stormwater through the use of a vortex. These pre-fabricated devices come in the form of an underground manhole or vault. The devices have no moving parts and are typically fabricated from concrete and marine grade aluminum.

During operation, stormwater runoff enters the unit tangentially to promote a gentle swirling motion in a treatment chamber. As stormwater circles within the chamber, settable solids fall into a sump and are retained. Buoyant debris, oil, and grease rise to the surface and are separated from the water as it flows under a baffle wall. Finally, treated water exits the treatment chamber through a flow control orifice located behind the baffle wall.

During low-flow conditions all runoff is diverted into the treatment chamber by a flow partition. At higher flow rates, a portion of the runoff spills over the flow partition and is diverted around the treatment chamber to prevent re-suspension and washout of previously trapped pollutants. Water that spills over the partition flows into a head equalization chamber above the treatment chamber outlet. As the head equalization chamber fills, the head differential driving flow through the treatment chamber collapses. The result is that flow rates in the treatment chamber remain relatively constant even as total flow rates increase substantially. This configuration further reduces the potential for re-suspension or washout.

According to Chapter 9 of the Design Manual, hydrodynamic separators of the type proposed for this project have been approved for use as a pretreatment system in new and redevelopment projects or as a primary treatment system on redevelopment projects.

**Table 7: Summary of WQv Provided**

| Step 2<br>WQv Required (CF) | Step 3<br>WQv Reduction by RR Techniques & Standard SMPs w/ RRv Capacity (CF) | Step 5<br>Reduced WQv to be Treated by Alternative Practice (CF) | WQv Provided by Alternative Practice (CF) |
|---|---|---|---|
| 6,202 | 1030 | 4,272 | 5,304 |

Based upon the results listed in the above Table, the entire WQv has been treated by the additional application of the Alternative Practice.

## 6.6 STEP 6 - Apply Volume and Peak Rate Control

This report presents the pre-development and post-development features and conditions associated with the rate of surface water runoff within the study area. For both cases, the drainage patterns, drainage structures, soil types, and ground cover types are considered in this study.

### *6.6.1 NYSDEC Requirements for New Development*

Chapter 4 of the Design Manual requires that projects meet three separate stormwater quantity criteria:

1. The Channel Protection (CPv) requirement is designed to protect stream channels from erosion. This is accomplished by providing 24 hours of extended detention for the 1-year, 24-hour storm event. The Manual defines the CPv detention time as the center of mass detention time through each stormwater management practice.

2. The Overbank Flood Control (Qp) requirement is designed to prevent an increase in the frequency and magnitude of flow events that exceed the bank-full capacity of a channel, and therefore must spill over into the floodplain. This is accomplished by providing detention storage to ensure that, at each design point, the post-development 10-year 24-hour peak discharge rate does not exceed the corresponding pre-development rate.

3. The Extreme Flood Control (Qf) requirement is designed to prevent the increased risk of flood damage from large storm events, to maintain the boundaries of the pre-development 100-year floodplain, and to protect the physical integrity of stormwater management practices. This is accomplished by providing detention storage to ensure that, at each design point, the post-development 100-year 24-hour peak discharge rate does not exceed the corresponding pre-development rate.

### *6.6.2 NYSDEC Requirements for Redevelopment*

Chapter 9 of the Design Manual provides alternatives to the above quantity criteria, which may be applied to redevelopment projects. As indicated in Section 9.3.2, if redevelopment results in no increase in impervious area or changes to hydrology that increase the discharge rate from the site, then the 10-year and 100-year criteria for quantity control do not apply. In addition, if the hydraulic study shows that the post-construction 1-year 24-hr discharge rate and velocity are less than or equal to the pre-construction discharge rate, then providing 24-hr detention of the 1-year storm to meet channel protection criteria is not required.

The project proposes an 17% decrease in impervious area and will not result in changes to hydrology that increase the discharge rate from the site. Additionally, based upon the hydrologic analysis performed, the discharge rate from the site has been reduced from pre- to post-development conditions for the 1-year storm event. Therefore, the stormwater quantity criteria have been met and stormwater quantity control practices have not been provided for this project. The following Section describes the methodology behind this hydrologic analysis.

### *6.6.3 Methodology*

In order to demonstrate that the NYSDEC detention requirements are being met, the Design Manual requires that a hydrologic and hydraulic analysis of the pre- and post-development conditions be performed using the Natural Resources Conservation Service Technical Release 20 (TR-20) and Technical Release 55 (TR-55) methodologies. HydroCAD, developed by HydroCAD Software Solutions LLC of Tamworth, New Hampshire, is a Computer-Aided-Design (CAD) program for analyzing the hydrologic and hydraulic characteristics of a given watershed and associated stormwater management facilities. HydroCAD uses the TR-20 algorithms and TR-55 methods to create and route runoff hydrographs.

HydroCAD has the capability of computing hydrographs (which represent discharge rates characteristic of specified watershed conditions, precipitation, and geologic factors) combining hydrographs and routing flows though pipes, streams and ponds. HydroCAD can also calculate the center of mass detention time for various hydraulic features. Documentation for HydroCAD can be found on their website: http://www.hydrocad.net/.

For this analysis, the watershed and drainage system was broken down into a network consisting of three types of components as described below:

1. Subcatchment: A relatively homogeneous area of land, which produces a volume and rate of runoff unique to that area.
2. Reach: Uniform streams, channels, or pipes that convey stormwater from one point to another.
3. Pond: Natural or man-made impoundment, which temporarily stores stormwater runoff and empties in a manner determined by its geometry and the hydraulic structure located at its outlets.

Subcatchments, reaches, and ponds are represented by hexagons, squares, and triangles, respectively, on the watershed routing diagrams provided with the computations included in Appendix I and Appendix J.

The analysis of hydrologic and hydraulic conditions and proposed stormwater management facilities, servicing the study area, was performed by dividing the tributary watershed into relatively homogeneous subcatchments. The separation of the watershed into subcatchments was dictated by watershed conditions, methods of collection, conveyance, and points of discharge. Watershed characteristics for each subcatchment were then assessed from United States Geological Service (USGS) 7.5-minute topographic maps, aerial photographs, a topographical survey, soil surveys, site investigations, and land use maps.

Proposed stormwater management practices were designed and evaluated in accordance with the Design Manual and local regulatory requirements. The hydrologic and hydraulic analysis considered the SCS, Type III 24-hour storm events identified in the following Table.

**Table 8: Design Events**

| Facility | 24-hour Storm Event |
|---|---|
| Storm Sewer | 10- year |
| Stormwater Management Practice(s) | 1-year |
| | 10-year |
| | 100-year |
| Flood Conditions | 100-year |

### *6.6.4 Description of Design Points*

The study area consists of an overall watershed that encompasses approximately 3.96 acres and contains the 3.04 acre project site. The overall watershed was broken down into smaller watersheds, or subcatchments, to allow for analysis of runoff conditions at several locations throughout the study area. Each of these locations was defined as a Design Point (DP) in order to compare the effects resulting from stormwater management facilities proposed as part of the project. Descriptions of each of the selected design points are provided below.

- Design Point 1: Off-site design point is located along curb line which leads to a storm sewer located to the west of the project limits on Parker Ave. There is a high point on Parker Ave located 150 feet from west limits of project, directing run off from northern section of job site east or west.
- Design Point 2: Off-site design point is a catch basin located along curb line on the northside of Parker Ave. In existing conditions, this catch basin connects to a combined sewer and storm system. In proposed conditions, the catch basin will disconnect from the combined system and tie into a new stormwater drainage system.
- Design Point 3: Off-site design point is a catch basin located along curb line on the southside of Parker Ave. In existing conditions, this catch basin connects to a combined sewer and storm system. In proposed conditions, the catch basin will disconnect from the combined system and tie into a new stormwater drainage system.
- Design Point 4: Off-site design point is road south of the project site, Brookside Ave.

### *6.6.5 Pre-development Watershed Conditions*

The pre-development project site is covered predominantly gravel (impervious) and small sections of grass north of Parker Ave. South of Parker Ave mostly brush, buildings, and small sections of pavement. Analysis of pre-development conditions considered existing drainage patterns, soil types, ground cover, and topography. The Pre-Development Watershed Delineation Map has been provided in Appendix G, as Figure 4.

The results of the computer modeling used to analyze the overall watershed under pre-development conditions are presented in Appendix I. A summary of the pre-development watershed runoff rates at each design point is presented in Table 10.

Subcatchment one is a 0.52 ± acre watershed consisting of impervious pavement, gravel and small sections of grass. Runoff flows south to southwest overland via sheet flow for the first 100 feet and then shallow flow the rest of the way past the western project limits on Parker Ave. This subcatchment is tributary to Design Point (DP) 1.

Subcatchment two is a 1.02 ± acre watershed consisting of impervious and small sections of grass. Runoff flows south to southeast overland via sheet flow for the first 100 feet and then shallow flow the rest of the way toward eastern project limits to an existing catch basin in the north side of Parker Ave, which is connected to a combined sanitary and stormwater network. This subcatchment is tributary to Design Point (DP) 2.

Subcatchment three is a 0.40 ± acre watershed consisting of brush, small sections of impervious, and buildings. Runoff flows in a south to southwest overland via sheet flow for the first 100 feet and then shallow flow the rest of the way past the western project limits then follows the road to Brookside Ave. This subcatchment is tributary to Design Point (DP) 4.

Subcatchment four is a 1.84 ± acre watershed consisting of brush. Runoff flows in a southeast overland via sheet flow for the first 100 feet and then shallow flow the rest of the way toward the south of the site to Brookside Ave. This subcatchment is tributary to Design Point (DP) 4.

Subcatchment five is a 0.17 ± acre watershed consisting of pavement and grass. Runoff flows east via sheet flow for the first 100 feet and then shallow flow the rest of the way toward to an existing catch basin in the south part of Parker Ave, which is connected to a combined sanitary and stormwater network. This subcatchment is tributary to Design Point (DP) 3.

### *6.6.6 Post-development Watershed Conditions*

The post-development project site is covered predominantly by impervious and grass north of Parker Ave. South of Parker Ave pavement, buildings, and grass. The analysis of post-development conditions considered existing drainage patterns, soil types, ground cover to remain, planned site development, site grading and, stormwater management facilities proposed as part of site improvements. The Post-Development Watershed Delineation Map has been provided in Appendix G, as Figure 5.

The results of the computer modeling used to analyze the overall watershed under post-development conditions are presented in Appendix J. A summary of the post-development watershed runoff rates at each design point is presented in Table 11.

There are numerous locations and methods for providing controls of off-site discharge of stormwater from the project site. Each has been designed to provide the above quantity controls by attenuating stormwater runoff and releasing runoff to off-site locations at a rate equal to or less than that which existed prior to development of the site. Each device is detailed on the accompanying plans.

### *6.6.7 Performance Summary*

A comparison of the pre- and post-development watershed conditions was performed for all design points and storm events evaluated herein. For all design points and design storms, this comparison demonstrates that the peak rate of runoff will not be increased. Therefore, the project will not have a significant adverse impact on the adjacent or downstream properties or receiving water courses.

The results of the computer modeling used to analyze the pre- and post-development watersheds are presented in Appendix I and Appendix J, respectively. The following Table summarizes the results of this analysis.

**Table 9: Summary of Pre- and Post-Development Peak Discharge Rates**

| Pre- vs. Post-Development Discharge Rate (cfs) | | | | | | |
|---|---|---|---|---|---|---|
| **Design Point (DP)** | **1-year 24-hour storm event** | | **10-year 24-hour storm event** | | **100-year 24-hour storm event** | |
| | **Pre** | **Post** | **Pre** | **Post** | **Pre** | **Post** |
| 1 | 1.20 | 0.76 | 2.29 | 1.48 | 4.12 | 2.69 |
| 2 | 2.40 | 1.94 | 4.48 | 3.89 | 8.01 | 7.98 |
| 3 | 0.40 | 0.40 | 0.74 | 0.74 | 1.33 | 1.33 |
| 4 | 4.19 | 4.02 | 8.34 | 8.14 | 15.40 | 15.18 |

# 7.0 INSPECTIONS, MAINTENANCE, AND REPORTING

## 7.1 Inspection and Maintenance Requirements

### *7.1.1 Pre-Construction Inspection and Certification*

Prior to the commencement of construction, the Qualified Inspector/Qualified Professional shall conduct an assessment of the site and certify that the appropriate erosion and sediment control measures have been adequately installed and implemented. The Contractor shall contact the Qualified Inspector/Qualified Professional once the erosion and sediment control measures have been installed.

### *7.1.2 Construction Phase Inspections and Maintenance*

A Qualified Inspector/Qualified Professional, as defined in Appendix A of the General Permit GP-0-20-001, shall conduct regular site inspections between the time this SWPPP is implemented and final site stabilization. Because this project site directly discharges to one of the 303(d) segments listed in Appendix E of GP-0-20-001 or is located in one of the watersheds listed in Appendix C of GP-0-20-001, site inspections shall occur at an interval of at least twice every seven (7) calendar days, with the inspections separated by a minimum of at least two (2) full calendar days.

The purpose of site inspections is to assess performance of pollutant controls. Based on these inspections, the Qualified Inspector/Qualified Professional will decide whether it is necessary to modify this SWPPP, add or relocate sediment barriers, or whatever else may be needed in order to prevent pollutants from leaving the site via stormwater runoff. The general contractor has the duty to cause pollutant control measures to be repaired, modified, maintained, supplemented, or whatever else is necessary in order to achieve effective pollutant control.

Examples of particular items to evaluate during site inspections are listed below. This list is not intended to be comprehensive. During each inspection the inspector must evaluate overall pollutant control system performance as well as particular details of individual system components. Additional factors should be considered as appropriate to the circumstances.

1. Locations where vehicles enter and exit the site must be inspected for evidence of off-site sediment tracking. A stabilized construction entrance will be constructed where vehicles enter and exit. This entrance will be maintained or supplemented as necessary to prevent sediment from leaving the site on vehicles.
2. Sediment barriers must be inspected and, if necessary, they must be enlarged or cleaned in order to provide additional capacity. All material from behind sediment barriers will be stockpiled on the up slope side. Additional sediment barriers must be constructed as needed.
3. Inspections will evaluate disturbed areas and areas used for storing materials that are exposed to rainfall for evidence of, or the potential for, pollutants entering the drainage system. If necessary, the materials must be covered or original covers must be repaired or supplemented. Also, protective berms must be constructed, if needed, in order to contain runoff from material storage areas.
4. Grassed areas will be inspected to confirm that a healthy stand of grass is maintained. The site has achieved final stabilization once all areas are covered with building foundation or pavement, or have a stand of grass with at least 80 percent density. The density of 80 percent or greater must be

maintained to be considered as stabilized. Areas must be watered, fertilized, and reseeded as needed to achieve this goal.

5. All discharge points must be inspected to determine whether erosion control measures are effective in preventing significant impacts to receiving waters.

The inspection reports must be completed entirely and additional remarks should be included if needed to fully describe a situation. An important aspect of the inspection report is the description of additional measures that need to be taken to enhance plan effectiveness. The inspection report must identify whether the site was in compliance with the SWPPP at the time of inspection and specifically identify all incidents of non-compliance.

Within one (1) business day of the completion of an inspection, the *Qualified Inspector/Qualified Professional* shall notify the Owner/Operator and appropriate contractor or subcontractor of any corrective actions that need to be taken. The contractor or subcontractor shall begin implementing the corrective actions within one (1) business day of the notification and shall complete the corrective actions in a reasonable time frame.

In addition to the inspections performed by the *Qualified Inspector/Qualified Professional*, the Contractor shall perform routine inspections that include a visual check of all erosion and sediment control measures. All inspections and maintenance shall be performed in accordance with the inspection and maintenance schedule provided on the accompanying plans. Sediment removed from erosion and sediment control measures will be exported from the site, stockpiled for later use, or used immediately for general non-structural fill.

It is the responsibility of the general contractor to assure the adequacy of site pollutant discharge controls. Actual physical site conditions or contractor practices could make it necessary to install more structural controls than are shown on the accompanying plans. (For example, localized concentrations of runoff could make it necessary to install additional sediment barriers, sediment traps, etc.) Assessing the need for additional controls and implementing them or adjusting existing controls will be a continuing aspect of this SWPPP until the site achieves final stabilization.

### *7.1.3 Temporary Suspension of Construction Activities*

For construction sites where soil disturbance activities have been temporarily suspended (e.g. Winter shutdown) and temporary stabilization measures have been applied to all disturbed areas, the frequency of Qualified Inspector/Qualified Professional inspections can be reduced to once every 30 calendar days. Prior to reducing the frequency of inspections, the Owner/Operator shall notify the NYSDEC Region X stormwater contact person and the City of Poughkeepsie in writing.

### *7.1.4 Partial Project Completion*

For construction sites where soil disturbance activities have been shut down with partial project completion, all areas disturbed as of the project shutdown date have achieved final stabilization, and all post-construction stormwater management practices required for the completed portion of the project have been constructed in conformance with the SWPPP and are operational, the inspections by the Qualified Inspector/Qualified Professional can stop. Prior to the shutdown, the Owner/Operator shall notify the NYSDEC Region 3 stormwater contact person and the City of Poughkeepsie in writing.

If soil disturbance activities have not resumed within two years from the date of shutdown, a Notice of Termination (NOT) shall be properly completed and submitted to the NYSDEC.

### *7.1.5 Post-Construction Inspections and Maintenance*

Inspections and maintenance of final stabilization measures and post-construction stormwater management practices shall be performed in accordance with Appendix F, once all disturbed areas are stabilized and all stormwater management systems are in place and operable.

## 7.2 Reporting Requirements

### *7.2.1 Inspection Reports*

Pursuant to Part IV.C of GP-0-20-001, inspection reports shall be prepared for the duration of construction, as outlined herein, and shall be signed by the *Qualified Inspector* or *Qualified Professional*. A sample inspection form is provided in Appendix D.

At a minimum, each inspection report shall record the following information:

1. Date and time of inspection.
2. Name and title of person(s) performing inspection.
3. A description of the weather and soil conditions (e.g. dry, wet, saturated) at the time of the inspection.
4. A description of the condition of the runoff at all points of discharge from the construction site. This shall include identification of any discharges of sediment from the construction site. Include discharges from conveyance systems (i.e. pipes, culverts, ditches, etc.) and overland flow.
5. A description of the condition of all natural surface waterbodies located within, or immediately adjacent to, the property boundaries of the construction site which receive runoff from disturbed areas. This shall include identification of any discharges of sediment to the surface waterbody.
6. Identification of all erosion and sediment control practices and pollution prevention measures that need repair or maintenance.
7. Identification of all erosion and sediment control practices and pollution prevention measures that were not installed properly or are not functioning as designed and need to be reinstalled or replaced.
8. Description and sketch of areas with active soil disturbance activity, areas that have been disturbed but are inactive at the time of the inspection, and areas that have been stabilized (temporary and/or final) since the last inspection.
9. Indication of the current phase of construction of all post-construction stormwater management practices and identification of all construction that is not in conformance with the SWPPP and technical standards.
10. Corrective action(s) that must be taken to install, repair, replace or maintain erosion and sediment control practices and pollution prevention measures; and to correct deficiencies identified with the construction of the post-construction stormwater management practice(s).
11. Identification and status of all corrective actions that were required by previous inspection.

12. Color photographs, with date stamp, that clearly show the condition of all practices that have been identified as needing corrective actions. The *Qualified Inspector/Qualified Professional* shall attach paper color copies of the digital photographs to the inspection report being maintained onsite within seven (7) calendar days of the date of the inspection. The *Qualified Inspector/Qualified Professional* shall also take digital photographs, with date stamp, that clearly show the condition of the practice(s) after the corrective action has been completed. The *Qualified Inspector/Qualified Professional* shall attach the paper color copies of the digital photographs to the inspection report that documents the completion of the corrective action work within seven (7) calendar days of that inspection.

### *7.2.2 Site Log Book*

Pursuant to Part II.D.2 of GP-0-20-001, the Owner/Operator shall retain a copy of the General Permit, NOI, NOI Acknowledgment Letter, MS4 SWPPP Acceptance Form (if applicable), inspection reports, contractor and subcontractor certification forms, and all documentation necessary to demonstrate eligibility under the permit, at the construction site from commencement of construction activity until the date that all areas of disturbance have achieved final stabilization and the Notice of Termination has been submitted to the NYSDEC.

The Site Log Book shall be maintained on-site in a secure location (i.e. job trailer, on-site construction office, or mailbox with lock) and must be accessible during normal business hours to an individual performing a compliance inspection.

### *7.2.3 Post Construction Records and Archiving*

Following construction, the Owner/Operator shall retain copies of the SWPPP, the complete construction Site Log Book, and records of all data used to complete the NOI to be covered by this permit, for a period of at least five years from the date that the site is finally stabilized. This period may be extended by the NYSDEC, at its sole discretion, at any time upon written notification.

Records shall be maintained of all post construction inspections and maintenance work performed in accordance with the requirements outlined in Appendix F.

# Appendix A:
# NYSDEC SPDES General Permit GP-0-20-001

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NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SPDES GENERAL PERMIT
FOR STORMWATER DISCHARGES

From

**CONSTRUCTION ACTIVITY**

Permit No. GP- 0-20-001

Issued Pursuant to Article 17, Titles 7, 8 and Article 70

of the Environmental Conservation Law

Effective Date: January 29, 2020 Expiration Date: January 28, 2025

John J. Ferguson

Chief Permit Administrator

1-23-20

Authorized Signature Date

Address: NYS DEC
Division of Environmental Permits
625 Broadway, 4th Floor
Albany, N.Y. 12233-1750

**PREFACE**

Pursuant to Section 402 of the Clean Water Act ("CWA"), stormwater *discharges* from certain *construction activities* are unlawful unless they are authorized by a *National Pollutant Discharge Elimination System ("NPDES")* permit or by a state permit program. New York administers the approved State Pollutant Discharge Elimination System (SPDES) program with permits issued in accordance with the New York State Environmental Conservation Law (ECL) Article 17, Titles 7, 8 and Article 70.

An *owner or operator* of a *construction activity* that is eligible for coverage under this permit must obtain coverage prior to the *commencement of construction activity*. Activities that fit the definition of "*construction activity*", as defined under 40 CFR 122.26(b)(14)(x), (15)(i), and (15)(ii), constitute construction of a *point source* and therefore, pursuant to ECL section 17-0505 and 17-0701, the *owner or operator* must have coverage under a SPDES permit prior to *commencing construction activity*. The *owner or operator* cannot wait until there is an actual *discharge* from the *construction site* to obtain permit coverage.

***Note: The italicized words/phrases within this permit are defined in Appendix A.**

**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION**
**SPDES GENERAL PERMIT FOR STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITIES**

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## Part 1. PERMIT COVERAGE AND LIMITATIONS

### A. Permit Application

This permit authorizes stormwater *discharges* to *surface waters of the State* from the following *construction activities* identified within 40 CFR Parts 122.26(b)(14)(x), 122.26(b)(15)(i) and 122.26(b)(15)(ii), provided all of the eligibility provisions of this permit are met:

1. *Construction activities* involving soil disturbances of one (1) or more acres; including disturbances of less than one acre that are part of a *larger common plan of development or sale* that will ultimately disturb one or more acres of land; excluding *routine maintenance activity* that is performed to maintain the original line and grade, hydraulic capacity or original purpose of a facility;

2. *Construction activities* involving soil disturbances of less than one (1) acre where the Department has determined that a *SPDES* permit is required for stormwater *discharges* based on the potential for contribution to a violation of a *water quality standard* or for significant contribution of *pollutants* to *surface waters of the State.*

3. *Construction activities* located in the watershed(s) identified in Appendix D that involve soil disturbances between five thousand (5,000) square feet and one (1) acre of land.

### B. Effluent Limitations Applicable to Discharges from Construction Activities

*Discharge*s authorized by this permit must achieve, at a minimum, the effluent limitations in Part I.B.1. (a) – (f) of this permit. These limitations represent the degree of effluent reduction attainable by the application of best practicable technology currently available.

1. Erosion and Sediment Control Requirements - The *owner or operator* must select, design, install, implement and maintain control measures to *minimize* the *discharge* of *pollutants* and prevent a violation of the *water quality standards*. The selection, design, installation, implementation, and maintenance of these control measures must meet the non-numeric effluent limitations in Part I.B.1.(a) – (f) of this permit and be in accordance with the New York State Standards and Specifications for Erosion and Sediment Control, dated November 2016, using sound engineering judgment. Where control measures are not designed in conformance with the design criteria included in the technical standard, the *owner or operator* must include in the *Stormwater Pollution Prevention Plan* ("SWPPP") the reason(s) for the





deviation or alternative design and provide information which demonstrates that the deviation or alternative design is *equivalent* to the technical standard.

a. **Erosion and Sediment Controls.** Design, install and maintain effective erosion and sediment controls to *minimize* the *discharge* of *pollutants* and prevent a violation of the *water quality standards*. At a minimum, such controls must be designed, installed and maintained to:

   (i) *Minimize* soil erosion through application of runoff control and soil stabilization control measure to *minimize pollutant discharge*s;

   (ii) Control stormwater *discharge*s, including both peak flowrates and total stormwater volume, to *minimize* channel and *streambank* erosion and scour in the immediate vicinity of the *discharge* points;

   (iii) *Minimize* the amount of soil exposed during *construction activity*;

   (iv) *Minimize* the disturbance of *steep slopes*;

   (v) *Minimize* sediment *discharge*s from the site;

   (vi) Provide and maintain *natural buffer*s around surface waters, direct stormwater to vegetated areas and maximize stormwater infiltration to reduce *pollutant discharge*s, unless *infeasible*;

   (vii) *Minimize* soil compaction. Minimizing soil compaction is not required where the intended function of a specific area of the site dictates that it be compacted;

   (viii) Unless *infeasible*, preserve a sufficient amount of topsoil to complete soil restoration and establish a uniform, dense vegetative cover; and

   (ix) *Minimize* dust. On areas of exposed soil, *minimize* dust through the appropriate application of water or other dust suppression techniques to control the generation of pollutants that could be discharged from the site.

b. **Soil Stabilization**. In areas where soil disturbance activity has temporarily or permanently ceased, the application of soil stabilization measures must be initiated by the end of the next business day and completed within fourteen (14) days from the date the current soil disturbance activity ceased. For construction sites that *directly discharge* to one of the 303(d) segments

listed in Appendix E or is located in one of the watersheds listed in Appendix C, the application of soil stabilization measures must be initiated by the end of the next business day and completed within seven (7) days from the date the current soil disturbance activity ceased. See Appendix A for definition of *Temporarily Ceased*.

c. **Dewatering**. *Discharge*s from *dewatering* activities, including *discharge*s from *dewatering* of trenches and excavations, must be managed by appropriate control measures.

d. **Pollution Prevention Measures**. Design, install, implement, and maintain effective pollution prevention measures to *minimize* the *discharge* of *pollutants* and prevent a violation of the *water quality standards*. At a minimum, such measures must be designed, installed, implemented and maintained to:

(i) *Minimize* the *discharge* of *pollutants* from equipment and vehicle washing, wheel wash water, and other wash waters. This applies to washing operations that use clean water only. Soaps, detergents and solvents cannot be used;

(ii) *Minimize* the exposure of building materials, building products, construction wastes, trash, landscape materials, fertilizers, pesticides, herbicides, detergents, sanitary waste, hazardous and toxic waste, and other materials present on the site to precipitation and to stormwater. Minimization of exposure is not required in cases where the exposure to precipitation and to stormwater will not result in a *discharge* of *pollutants*, or where exposure of a specific material or product poses little risk of stormwater contamination (such as final products and materials intended for outdoor use) ; and

(iii) Prevent the *discharge* of *pollutants* from spills and leaks and implement chemical spill and leak prevention and response procedures.

e. **Prohibited *Discharges*.** The following *discharge*s are prohibited:

(i) Wastewater from washout of concrete;

(ii) Wastewater from washout and cleanout of stucco, paint, form release oils, curing compounds and other construction materials;





(iii) Fuels, oils, or other *pollutants* used in vehicle and equipment operation and maintenance;

(iv) Soaps or solvents used in vehicle and equipment washing; and

(v) Toxic or hazardous substances from a spill or other release.

f. Surface Outlets. When discharging from basins and impoundments, the outlets shall be designed, constructed and maintained in such a manner that sediment does not leave the basin or impoundment and that erosion at or below the outlet does not occur.

**C. Post-construction Stormwater Management Practice Requirements**

1. The *owner or operator* of a *construction activity* that requires post-construction stormwater management practices pursuant to Part III.C. of this permit must select, design, install, and maintain the practices to meet the *performance criteria* in the New York State Stormwater Management Design Manual ("Design Manual"), dated January 2015, using sound engineering judgment. Where post-construction stormwater management practices ("SMPs") are not designed in conformance with the *performance criteria* in the Design Manual, the *owner or operator* must include in the SWPPP the reason(s) for the deviation or alternative design and provide information which demonstrates that the deviation or alternative design is *equivalent* to the technical standard.

2. The *owner or operator* of a *construction activity* that requires post-construction stormwater management practices pursuant to Part III.C. of this permit must design the practices to meet the applicable *sizing criteria* in Part I.C.2.a., b., c. or d. of this permit.

**a. Sizing Criteria for New Development**

(i) Runoff Reduction Volume ("RRv"): Reduce the total Water Quality Volume ("WQv") by application of RR techniques and standard SMPs with RRv capacity. The total WQv shall be calculated in accordance with the criteria in Section 4.2 of the Design Manual.

(ii) Minimum RRv and Treatment of Remaining Total WQv: Construction activities that cannot meet the criteria in Part I.C.2.a.(i) of this permit due to site limitations shall direct runoff from all newly constructed impervious areas to a RR technique or standard SMP with RRv capacity unless infeasible. The specific site limitations that prevent the reduction of 100% of the WQv shall be documented in the SWPPP.

For each impervious area that is not directed to a RR technique or standard SMP with RRv capacity, the SWPPP must include documentation which demonstrates that all options were considered and for each option explains why it is considered infeasible.

**In no case shall the runoff reduction achieved from the newly constructed impervious areas be less than the Minimum RRv as calculated using the criteria in Section 4.3 of the Design Manual.** The remaining portion of the total WQv that cannot be reduced shall be treated by application of standard SMPs.

(iii) Channel Protection Volume ("Cpv"): Provide 24 hour extended detention of the post-developed 1-year, 24-hour storm event; remaining after runoff reduction. The Cpv requirement does not apply when:
(1) Reduction of the entire Cpv is achieved by application of runoff reduction techniques or infiltration systems, or
(2) The site discharges directly to tidal waters, or fifth order or larger streams.

(iv) *Overbank* Flood Control Criteria ("Qp"): Requires storage to attenuate the post-development 10-year, 24-hour peak discharge rate (Qp) to predevelopment rates. The Qp requirement does not apply when:
(1) the site discharges directly to tidal waters or fifth order or larger streams, or
(2) A downstream analysis reveals that *overbank* control is not required.

(v) Extreme Flood Control Criteria ("Qf"): Requires storage to attenuate the post-development 100-year, 24-hour peak discharge rate (Qf) to predevelopment rates. The Qf requirement does not apply when:
(1) the site discharges directly to tidal waters or fifth order or larger streams, or
(2) A downstream analysis reveals that *overbank* control is not required.

**b. *Sizing Criteria* for *New Development* in Enhanced Phosphorus Removal Watershed**

(i) Runoff Reduction Volume (RRv): Reduce the total Water Quality Volume (WQv) by application of RR techniques and standard SMPs with RRv capacity. The total WQv is the runoff volume from the 1-year, 24 hour design storm over the post-developed watershed and shall be





calculated in accordance with the criteria in Section 10.3 of the Design Manual.

(ii) Minimum RRv and Treatment of Remaining Total WQv: *Construction activities* that cannot meet the criteria in Part I.C.2.b.(i) of this permit due to *site limitations* shall direct runoff from all newly constructed *impervious areas* to a RR technique or standard SMP with RRv capacity unless *infeasible*. The specific *site limitations* that prevent the reduction of 100% of the WQv shall be documented in the SWPPP. For each *impervious area* that is not directed to a RR technique or standard SMP with RRv capacity, the SWPPP must include documentation which demonstrates that all options were considered and for each option explains why it is considered *infeasible*.

**In no case shall the runoff reduction achieved from the newly constructed *impervious areas* be less than the Minimum RRv as calculated using the criteria in Section 10.3 of the Design Manual.** The remaining portion of the total WQv that cannot be reduced shall be treated by application of standard SMPs.

(iii) Channel Protection Volume (Cpv): Provide 24 hour extended detention of the post-developed 1-year, 24-hour storm event; remaining after runoff reduction. The Cpv requirement does not apply when:
(1) Reduction of the entire Cpv is achieved by application of runoff reduction techniques or infiltration systems, or
(2) The site *discharge*s directly to tidal waters, or fifth order or larger streams.

(iv) *Overbank* Flood Control Criteria (Qp): Requires storage to attenuate the post-development 10-year, 24-hour peak *discharge* rate (Qp) to predevelopment rates. The Qp requirement does not apply when:
(1) the site *discharge*s directly to tidal waters or fifth order or larger streams, or
(2) A downstream analysis reveals that *overbank* control is not required.

(v) Extreme Flood Control Criteria (Qf): Requires storage to attenuate the post-development 100-year, 24-hour peak *discharge* rate (Qf) to predevelopment rates. The Qf requirement does not apply when:
(1) the site *discharge*s directly to tidal waters or fifth order or larger streams, or
(2) A downstream analysis reveals that *overbank* control is not required.

**c. Sizing Criteria for Redevelopment Activity**

(i) Water Quality Volume (WQv): The WQv treatment objective for *redevelopment activity* shall be addressed by one of the following options. *Redevelopment activities* located in an Enhanced Phosphorus Removal Watershed (see Part III.B.3. and Appendix C of this permit) shall calculate the WQv in accordance with Section 10.3 of the Design Manual. All other *redevelopment activities* shall calculate the WQv in accordance with Section 4.2 of the Design Manual.

(1) Reduce the existing *impervious cover* by a minimum of 25% of the total disturbed, *impervious area*. The Soil Restoration criteria in Section 5.1.6 of the Design Manual must be applied to all newly created pervious areas, or

(2) Capture and treat a minimum of 25% of the WQv from the disturbed, *impervious area* by the application of standard SMPs; or reduce 25% of the WQv from the disturbed, *impervious area* by the application of RR techniques or standard SMPs with RRv capacity., or

(3) Capture and treat a minimum of 75% of the WQv from the disturbed, *impervious area* as well as any additional runoff from tributary areas by application of the alternative practices discussed in Sections 9.3 and 9.4 of the Design Manual., or

(4) Application of a combination of 1, 2 and 3 above that provide a weighted average of at least two of the above methods. Application of this method shall be in accordance with the criteria in Section 9.2.1(B) (IV) of the Design Manual.

If there is an existing post-construction stormwater management practice located on the site that captures and treats runoff from the *impervious area* that is being disturbed, the WQv treatment option selected must, at a minimum, provide treatment equal to the treatment that was being provided by the existing practice(s) if that treatment is greater than the treatment required by options 1 – 4 above.

(ii) Channel Protection Volume (Cpv): Not required if there are no changes to hydrology that increase the *discharge* rate from the project site.

(iii) *Overbank* Flood Control Criteria (Qp): Not required if there are no changes to hydrology that increase the *discharge* rate from the project site.

(iv) Extreme Flood Control Criteria (Qf): Not required if there are no changes to hydrology that increase the *discharge* rate from the project site





**d. Sizing Criteria for Combination of Redevelopment Activity and New Development**

Construction projects that include both New Development and Redevelopment Activity shall provide post-construction stormwater management controls that meet the sizing criteria calculated as an aggregate of the Sizing Criteria in Part I.C.2.a. or b. of this permit for the New Development portion of the project and Part I.C.2.c of this permit for Redevelopment Activity portion of the project.

**D. Maintaining Water Quality**

The Department expects that compliance with the conditions of this permit will control *discharge*s necessary to meet applicable *water quality standards*. It shall be a violation of the *ECL* for any discharge to either cause or contribute to a violation of *water quality standards* as contained in Parts 700 through 705 of Title 6 of the Official Compilation of Codes, Rules and Regulations of the State of New York, such as:

1. There shall be no increase in turbidity that will cause a substantial visible contrast to natural conditions;

2. There shall be no increase in suspended, colloidal or settleable solids that will cause deposition or impair the waters for their best usages; and

3. There shall be no residue from oil and floating substances, nor visible oil film, nor globules of grease.

If there is evidence indicating that the stormwater *discharge*s authorized by this permit are causing, have the reasonable potential to cause, or are contributing to a violation of the *water quality standards*; the *owner or operator* must take appropriate corrective action in accordance with Part IV.C.5. of this general permit and document in accordance with Part IV.C.4. of this general permit. To address the *water quality standard* violation the *owner or operator* may need to provide additional information, include and implement appropriate controls in the SWPPP to correct the problem, or obtain an individual SPDES permit.

If there is evidence indicating that despite compliance with the terms and conditions of this general permit it is demonstrated that the stormwater *discharge*s authorized by this permit are causing or contributing to a violation of *water quality standards*, or if the Department determines that a modification of the permit is necessary to prevent a violation of *water quality standards*, the authorized *discharge*s will no longer be eligible for coverage under this permit. The Department may require the *owner or operator* to obtain an individual SPDES permit to continue discharging.

**E. Eligibility Under This General Permit**

1. This permit may authorize all *discharges* of stormwater from *construction activity* to *surface waters of the State* and *groundwaters* except for ineligible *discharges* identified under subparagraph F. of this Part.

2. Except for non-stormwater *discharges* explicitly listed in the next paragraph, this permit only authorizes stormwater *discharge*s; including stormwater runoff, snowmelt runoff, and surface runoff and drainage, from *construction activities*.

3. Notwithstanding paragraphs E.1 and E.2 above, the following non-stormwater discharges are authorized by this permit: those listed in 6 NYCRR 750-1.2(a)(29)(vi), with the following exception: "Discharges from firefighting activities are authorized only when the firefighting activities are emergencies/unplanned"; waters to which other components have not been added that are used to control dust in accordance with the SWPPP; and uncontaminated *discharge*s from *construction site* de-watering operations. All non-stormwater discharges must be identified in the SWPPP. Under all circumstances, the *owner or operator* must still comply with *water quality standards* in Part I.D of this permit.

4. The *owner or operator* must maintain permit eligibility to *discharge* under this permit. Any *discharges* that are not compliant with the eligibility conditions of this permit are not authorized by the permit and the *owner or operator* must either apply for a separate permit to cover those ineligible *discharges* or take steps necessary to make the *discharge* eligible for coverage.

**F. Activities Which Are Ineligible for Coverage Under This General Permit**

All of the following are **not** authorized by this permit:

1. *Discharge*s after *construction activities* have been completed and the site has undergone *final stabilization*;

2. *Discharge*s that are mixed with sources of non-stormwater other than those expressly authorized under subsection E.3. of this Part and identified in the SWPPP required by this permit;

3. *Discharges* that are required to obtain an individual SPDES permit or another SPDES general permit pursuant to Part VII.K. of this permit;

4. *Construction activities* or *discharges* from *construction activities* that may adversely affect an *endangered or threatened species* unless the *owner or*





*operator* has obtained a permit issued pursuant to 6 NYCRR Part 182 for the project or the Department has issued a letter of non-jurisdiction for the project. All documentation necessary to demonstrate eligibility shall be maintained on site in accordance with Part II.D.2 of this permit;

5. *Discharges* which either cause or contribute to a violation of *water quality standards* adopted pursuant to the *ECL* and its accompanying regulations;

6. *Construction activities* for residential, commercial and institutional projects:

   a. Where the *discharge*s from the *construction activities* are tributary to waters of the state classified as AA or AA-s; and

   b. Which are undertaken on land with no existing *impervious cover*; and

   c. Which disturb one (1) or more acres of land designated on the current United States Department of Agriculture ("USDA") Soil Survey as Soil Slope Phase "D", (provided the map unit name is inclusive of slopes greater than 25%), or Soil Slope Phase "E" or "F" (regardless of the map unit name), or a combination of the three designations.

7. *Construction activities* for linear transportation projects and linear utility projects:

   a. Where the *discharge*s from the *construction activities* are tributary to waters of the state classified as AA or AA-s; and

   b. Which are undertaken on land with no existing *impervious cover*; and

   c. Which disturb two (2) or more acres of land designated on the current USDA Soil Survey as Soil Slope Phase "D" (provided the map unit name is inclusive of slopes greater than 25%), or Soil Slope Phase "E" or "F" (regardless of the map unit name), or a combination of the three designations.

8. *Construction activities* that have the potential to affect an *historic property*, unless there is documentation that such impacts have been resolved. The following documentation necessary to demonstrate eligibility with this requirement shall be maintained on site in accordance with Part II.D.2 of this permit and made available to the Department in accordance with Part VII.F of this permit:

   a. Documentation that the *construction activity* is not within an archeologically sensitive area indicated on the sensitivity map, and that the *construction activity* is not located on or immediately adjacent to a property listed or determined to be eligible for listing on the National or State Registers of Historic Places, and that there is no new permanent building on the *construction site* within the following distances from a building, structure, or object that is more than 50 years old, or if there is such a new permanent building on the *construction site* within those parameters that NYS Office of Parks, Recreation and Historic Preservation (OPRHP), a Historic Preservation Commission of a Certified Local Government, or a qualified preservation professional has determined that the building, structure, or object more than 50 years old is not historically/archeologically significant.

      - 1-5 acres of disturbance - 20 feet
      - 5-20 acres of disturbance - 50 feet
      - 20+ acres of disturbance - 100 feet, or

   b. DEC consultation form sent to OPRHP, and copied to the NYS DEC Agency Historic Preservation Officer (APO), and
      (i) the State Environmental Quality Review (SEQR) Environmental Assessment Form (EAF) with a negative declaration or the Findings Statement, with documentation of OPRHP's agreement with the resolution; or
      (ii) documentation from OPRHP that the *construction activity* will result in No Impact; or
      (iii) documentation from OPRHP providing a determination of No Adverse Impact; or
      (iv) a Letter of Resolution signed by the owner/operator, OPRHP and the DEC APO which allows for this *construction activity* to be eligible for coverage under the general permit in terms of the State Historic Preservation Act (SHPA); or

   c. Documentation of satisfactory compliance with Section 106 of the National Historic Preservation Act for a coterminous project area:





      (i) No Affect
      (ii) No Adverse Affect
      (iii) Executed Memorandum of Agreement, or

   d. Documentation that:

      (i) SHPA Section 14.09 has been completed by NYS DEC or another state agency.

9. *Discharge*s from *construction activities* that are subject to an existing SPDES individual or general permit where a SPDES permit for *construction activity* has been terminated or denied; or where the *owner or operator* has failed to renew an expired individual permit.

## Part II. PERMIT COVERAGE

### A. How to Obtain Coverage

1. An *owner or operator* of a *construction activity* that is not subject to the requirements of a regulated, traditional land use control MS4 must first prepare a SWPPP in accordance with all applicable requirements of this permit and then submit a completed Notice of Intent (NOI) to the Department to be authorized to discharge under this permit.

2. An *owner or operator* of a *construction activity* that is subject to the requirements of a *regulated, traditional land use control MS4* must first prepare a SWPPP in accordance with all applicable requirements of this permit and then have the SWPPP reviewed and accepted by the *regulated, traditional land use control MS4* prior to submitting the NOI to the Department. The *owner or operator* shall have the "MS4 SWPPP Acceptance" form signed in accordance with Part VII.H., and then submit that form along with a completed NOI to the Department.

3. The requirement for an *owner or operator* to have its SWPPP reviewed and accepted by the *regulated, traditional land use control MS4* prior to submitting the NOI to the Department does not apply to an *owner or operator* that is obtaining permit coverage in accordance with the requirements in Part II.F. (Change of *Owner or Operator*) or where the *owner or operator* of the *construction activity* is the *regulated, traditional land use control MS4* . This exemption does not apply to *construction activities* subject to the New York City Administrative Code.

**B. Notice of Intent (NOI) Submittal**

1. Prior to December 21, 2020, an owner or operator shall use either the electronic (eNOI) or paper version of the NOI that the Department prepared. Both versions of the NOI are located on the Department's website (http://www.dec.ny.gov/ ). The paper version of the NOI shall be signed in accordance with Part VII.H. of this permit and submitted to the following address:

   **NOTICE OF INTENT**
   **NYS DEC, Bureau of Water Permits**
   **625 Broadway, 4th Floor**
   **Albany, New York 12233-3505**

2. Beginning December 21, 2020 and in accordance with EPA's 2015 NPDES Electronic Reporting Rule (40 CFR Part 127), the *owner or operator* must submit the NOI electronically using the *Department's* online NOI.

3. The *owner or operator* shall have the SWPPP preparer sign the "SWPPP Preparer Certification" statement on the NOI prior to submitting the form to the Department.

4. As of the date the NOI is submitted to the Department, the *owner or operator* shall make the NOI and SWPPP available for review and copying in accordance with the requirements in Part VII.F. of this permit.

**C. Permit Authorization**

1. An *owner or operator* shall not *commence construction activity* until their authorization to *discharge* under this permit goes into effect.

2. Authorization to *discharge* under this permit will be effective when the *owner or operator* has satisfied all of the following criteria:

   a. project review pursuant to the State Environmental Quality Review Act ("SEQRA") have been satisfied, when SEQRA is applicable. See the Department's website (http://www.dec.ny.gov/) for more information,

   b. where required, all necessary Department permits subject to the *Uniform Procedures Act ("UPA")* (see 6 NYCRR Part 621), or the equivalent from another New York State agency, have been obtained, unless otherwise notified by the Department pursuant to 6 NYCRR 621.3(a)(4). *Owners or operators* of *construction activities* that are required to obtain *UPA* permits





must submit a preliminary SWPPP to the appropriate DEC Permit Administrator at the Regional Office listed in Appendix F at the time all other necessary *UPA* permit applications are submitted. The preliminary SWPPP must include sufficient information to demonstrate that the *construction activity* qualifies for authorization under this permit,

   c. the final SWPPP has been prepared, and

   d. a complete NOI has been submitted to the Department in accordance with the requirements of this permit.

3. An *owner or operator* that has satisfied the requirements of Part II.C.2 above will be authorized to *discharge* stormwater from their *construction activity* in accordance with the following schedule:

   a. For *construction activities* that are not subject to the requirements of a *regulated, traditional land use control MS4*:

      (i) Five (5) business days from the date the Department receives a complete electronic version of the NOI (eNOI) for *construction activities* with a SWPPP that has been prepared in conformance with the design criteria in the technical standard referenced in Part III.B.1 and the *performance criteria* in the technical standard referenced in Parts III.B., 2 or 3, for *construction activities* that require post-construction stormwater management practices pursuant to Part III.C.; or

      (ii) Sixty (60) business days from the date the Department receives a complete NOI (electronic or paper version) for *construction activities* with a SWPPP that has not been prepared in conformance with the design criteria in technical standard referenced in Part III.B.1. or, for *construction activities* that require post-construction stormwater management practices pursuant to Part III.C., the *performance criteria* in the technical standard referenced in Parts III.B., 2 or 3, or;

      (iii) Ten (10) business days from the date the Department receives a complete paper version of the NOI for *construction activities* with a SWPPP that has been prepared in conformance with the design criteria in the technical standard referenced in Part III.B.1 and the *performance criteria* in the technical standard referenced in Parts III.B., 2 or 3, for *construction activities* that require post-construction stormwater management practices pursuant to Part III.C.

b. For *construction activities* that are subject to the requirements of a *regulated, traditional land use control MS4*:

(i) Five (5) business days from the date the Department receives both a complete electronic version of the NOI (eNOI) and signed "*MS4* SWPPP Acceptance" form, or

(ii) Ten (10) business days from the date the Department receives both a complete paper version of the NOI and signed "MS4 SWPPP Acceptance" form.

4. Coverage under this permit authorizes stormwater *discharges* from only those areas of disturbance that are identified in the NOI. If an *owner or operator* wishes to have stormwater *discharges* from future or additional areas of disturbance authorized, they must submit a new NOI that addresses that phase of the development, unless otherwise notified by the Department. The *owner or operator* shall not *commence construction activity* on the future or additional areas until their authorization to *discharge* under this permit goes into effect in accordance with Part II.C. of this permit.

**D. General Requirements For Owners or Operators With Permit Coverage**

1. The *owner or operator* shall ensure that the provisions of the SWPPP are implemented from the *commencement of construction activity* until all areas of disturbance have achieved *final stabilization* and the Notice of Termination ("NOT") has been submitted to the Department in accordance with Part V. of this permit. This includes any changes made to the SWPPP pursuant to Part III.A.4. of this permit.

2. The *owner or operator* shall maintain a copy of the General Permit (GP-0-20-001), NOI, *NOI Acknowledgment Letter*, SWPPP, MS4 SWPPP Acceptance form, inspection reports, responsible contractor's or subcontractor's certification statement (see Part III.A.6.), and all documentation necessary to demonstrate eligibility with this permit at the *construction site* until all disturbed areas have achieved *final stabilization* and the NOT has been submitted to the Department. The documents must be maintained in a secure location, such as a job trailer, on-site construction office, or mailbox with lock. The secure location must be accessible during normal business hours to an individual performing a compliance inspection.

3. The *owner or operator* of a *construction activity* shall not disturb greater than five (5) acres of soil at any one time without prior written authorization from the Department or, in areas under the jurisdiction of a *regulated, traditional land*





*use control MS4,* the *regulated, traditional land use control MS4* (provided the *regulated, traditional land use control MS4* is not the *owner or operator* of the *construction activity*). At a minimum, the *owner or operator* must comply with the following requirements in order to be authorized to disturb greater than five (5) acres of soil at any one time:

a. The *owner or operator* shall have a *qualified inspector* conduct **at least** two (2) site inspections in accordance with Part IV.C. of this permit every seven (7) calendar days, for as long as greater than five (5) acres of soil remain disturbed. The two (2) inspections shall be separated by a minimum of two (2) full calendar days.

b. In areas where soil disturbance activity has temporarily or permanently ceased, the application of soil stabilization measures must be initiated by the end of the next business day and completed within seven (7) days from the date the current soil disturbance activity ceased. The soil stabilization measures selected shall be in conformance with the technical standard, New York State Standards and Specifications for Erosion and Sediment Control, dated November 2016.

c. The *owner or operator* shall prepare a phasing plan that defines maximum disturbed area per phase and shows required cuts and fills.

d. The *owner or operator* shall install any additional site-specific practices needed to protect water quality.

e. The *owner or operator* shall include the requirements above in their SWPPP.

4. In accordance with statute, regulations, and the terms and conditions of this permit, the Department may suspend or revoke an *owner's or operator's* coverage under this permit at any time if the Department determines that the SWPPP does not meet the permit requirements or consistent with Part VII.K..

5. Upon a finding of significant non-compliance with the practices described in the SWPPP or violation of this permit, the Department may order an immediate stop to all activity at the site until the non-compliance is remedied. The stop work order shall be in writing, describe the non-compliance in detail, and be sent to the *owner or operator*.

6. For *construction activities* that are subject to the requirements of a *regulated, traditional land use control MS4*, the *owner or operator* shall notify the

*regulated, traditional land use control MS4* in writing of any planned amendments or modifications to the post-construction stormwater management practice component of the SWPPP required by Part III.A. 4. and 5. of this permit. Unless otherwise notified by the *regulated, traditional land use control MS4*, the *owner or operator* shall have the SWPPP amendments or modifications reviewed and accepted by the *regulated, traditional land use control MS4* prior to commencing construction of the post-construction stormwater management practice.

**E. Permit Coverage for Discharges Authorized Under GP-0-15-002**

1. Upon renewal of SPDES General Permit for Stormwater Discharges from *Construction Activity* (Permit No. GP-0-15-002), an *owner or operator* of *a construction activity* with coverage under GP-0-15-002, as of the effective date of GP- 0-20-001, shall be authorized to *discharge* in accordance with GP- 0-20-001, unless otherwise notified by the Department.

   An *owner or operator* may continue to implement the technical/design components of the post-construction stormwater management controls provided that such design was done in conformance with the technical standards in place at the time of initial project authorization. However, they must comply with the other, non-design provisions of GP-0-20-001.

**F. Change of Owner or Operator**

1. When property ownership changes or when there is a change in operational control over the construction plans and specifications, the original *owner or operator* must notify the new *owner or operator*, in writing, of the requirement to obtain permit coverage by submitting a NOI with the Department. For *construction activities* subject to the requirements of a *regulated, traditional land use control MS4,* the original *owner or operator* must also notify the MS4, in writing, of the change in ownership at least 30 calendar days prior to the change in ownership.

2. Once the new *owner or operator* obtains permit coverage, the original *owner or operator* shall then submit a completed NOT with the name and permit identification number of the new *owner or operator* to the Department at the address in Part II.B.1. of this permit. If the original *owner or operator* maintains ownership of a portion of the *construction activity* and will disturb soil, they must maintain their coverage under the permit.

3. Permit coverage for the new *owner or operator* will be effective as of the date the Department receives a complete NOI, provided the original *owner or*





*operator* was not subject to a sixty (60) business day authorization period that has not expired as of the date the Department receives the NOI from the new *owner or operator*.

## Part III. STORMWATER POLLUTION PREVENTION PLAN (SWPPP)

**A. General SWPPP Requirements**

1. A SWPPP shall be prepared and implemented by the *owner or operator* of each *construction activity* covered by this permit. The SWPPP must document the selection, design, installation, implementation and maintenance of the control measures and practices that will be used to meet the effluent limitations in Part I.B. of this permit and where applicable, the post-construction stormwater management practice requirements in Part I.C. of this permit. The SWPPP shall be prepared prior to the submittal of the NOI. The NOI shall be submitted to the Department prior to the *commencement of construction activity*. A copy of the completed, final NOI shall be included in the SWPPP.

2. The SWPPP shall describe the erosion and sediment control practices and where required, post-construction stormwater management practices that will be used and/or constructed to reduce the *pollutants* in stormwater *discharges* and to assure compliance with the terms and conditions of this permit. In addition, the SWPPP shall identify potential sources of pollution which may reasonably be expected to affect the quality of stormwater *discharges*.

3. All SWPPPs that require the post-construction stormwater management practice component shall be prepared by a *qualified professional* that is knowledgeable in the principles and practices of stormwater management and treatment.

4. The *owner or operator* must keep the SWPPP current so that it at all times accurately documents the erosion and sediment controls practices that are being used or will be used during construction, and all post-construction stormwater management practices that will be constructed on the site. At a minimum, the *owner or operator* shall amend the SWPPP, including construction drawings:

   a. whenever the current provisions prove to be ineffective in minimizing *pollutants* in stormwater *discharges* from the site;

b. whenever there is a change in design, construction, or operation at the *construction site* that has or could have an effect on the *discharge* of *pollutants*;

c. to address issues or deficiencies identified during an inspection by the *qualified inspector,* the Department or other regulatory authority; and

d. to document the final construction conditions.

5. The Department may notify the *owner or operator* at any time that the SWPPP does not meet one or more of the minimum requirements of this permit. The notification shall be in writing and identify the provisions of the SWPPP that require modification. Within fourteen (14) calendar days of such notification, or as otherwise indicated by the Department, the *owner or operator* shall make the required changes to the SWPPP and submit written notification to the Department that the changes have been made. If the *owner or operator* does not respond to the Department's comments in the specified time frame, the Department may suspend the *owner's or operator's* coverage under this permit or require the *owner or operator* to obtain coverage under an individual SPDES permit in accordance with Part II.D.4. of this permit.

6. Prior to the *commencement of construction activity*, the *owner or operator* must identify the contractor(s) and subcontractor(s) that will be responsible for installing, constructing, repairing, replacing, inspecting and maintaining the erosion and sediment control practices included in the SWPPP; and the contractor(s) and subcontractor(s) that will be responsible for constructing the post-construction stormwater management practices included in the SWPPP. The *owner or operator* shall have each of the contractors and subcontractors identify at least one person from their company that will be responsible for implementation of the SWPPP. This person shall be known as the *trained contractor.* The *owner or operator* shall ensure that at least one *trained contractor* is on site on a daily basis when soil disturbance activities are being performed.

   The *owner or operator* shall have each of the contractors and subcontractors identified above sign a copy of the following certification statement below before they commence any *construction activity*:

   "I hereby certify under penalty of law that I understand and agree to comply with the terms and conditions of the SWPPP and agree to implement any corrective actions identified by the *qualified inspector* during a site inspection. I also understand that the *owner or operator* must comply with





the terms and conditions of the most current version of the New York State Pollutant Discharge Elimination System ("SPDES") general permit for stormwater *discharge*s from *construction activities* and that it is unlawful for any person to cause or contribute to a violation of *water quality standards*. Furthermore, I am aware that there are significant penalties for submitting false information, that I do not believe to be true, including the possibility of fine and imprisonment for knowing violations"

In addition to providing the certification statement above, the certification page must also identify the specific elements of the SWPPP that each contractor and subcontractor will be responsible for and include the name and title of the person providing the signature; the name and title of the *trained contractor* responsible for SWPPP implementation; the name, address and telephone number of the contracting firm; the address (or other identifying description) of the site; and the date the certification statement is signed. The *owner or operator* shall attach the certification statement(s) to the copy of the SWPPP that is maintained at the *construction site*. If new or additional contractors are hired to implement measures identified in the SWPPP after construction has commenced, they must also sign the certification statement and provide the information listed above.

7. For projects where the Department requests a copy of the SWPPP or inspection reports, the *owner or operator* shall submit the documents in both electronic (PDF only) and paper format within five (5) business days, unless otherwise notified by the Department.

**B. Required SWPPP Contents**

1. Erosion and sediment control component - All SWPPPs prepared pursuant to this permit shall include erosion and sediment control practices designed in conformance with the technical standard, New York State Standards and Specifications for Erosion and Sediment Control, dated November 2016. Where erosion and sediment control practices are not designed in conformance with the design criteria included in the technical standard, the *owner or operator* must demonstrate *equivalence* to the technical standard. At a minimum, the erosion and sediment control component of the SWPPP shall include the following:

   a. Background information about the scope of the project, including the location, type and size of project

b. A site map/construction drawing(s) for the project, including a general location map. At a minimum, the site map shall show the total site area; all improvements; areas of disturbance; areas that will not be disturbed; existing vegetation; on-site and adjacent off-site surface water(s); floodplain/floodway boundaries; wetlands and drainage patterns that could be affected by the *construction activity*; existing and final contours ; locations of different soil types with boundaries; material, waste, borrow or equipment storage areas located on adjacent properties; and location(s) of the stormwater *discharge*(s);

c. A description of the soil(s) present at the site, including an identification of the Hydrologic Soil Group (HSG);

d. A construction phasing plan and sequence of operations describing the intended order of *construction activities*, including clearing and grubbing, excavation and grading, utility and infrastructure installation and any other activity at the site that results in soil disturbance;

e. A description of the minimum erosion and sediment control practices to be installed or implemented for each *construction activity* that will result in soil disturbance. Include a schedule that identifies the timing of initial placement or implementation of each erosion and sediment control practice and the minimum time frames that each practice should remain in place or be implemented;

f. A temporary and permanent soil stabilization plan that meets the requirements of this general permit and the technical standard, New York State Standards and Specifications for Erosion and Sediment Control, dated November 2016, for each stage of the project, including initial land clearing and grubbing to project completion and achievement of *final stabilization*;

g. A site map/construction drawing(s) showing the specific location(s), size(s), and length(s) of each erosion and sediment control practice;

h. The dimensions, material specifications, installation details, and operation and maintenance requirements for all erosion and sediment control practices. Include the location and sizing of any temporary sediment basins and structural practices that will be used to divert flows from exposed soils;

i. A maintenance inspection schedule for the contractor(s) identified in Part III.A.6. of this permit, to ensure continuous and effective operation of the erosion and sediment control practices. The maintenance inspection





schedule shall be in accordance with the requirements in the technical standard, New York State Standards and Specifications for Erosion and Sediment Control, dated November 2016;

j. A description of the pollution prevention measures that will be used to control litter, construction chemicals and construction debris from becoming a *pollutant* source in the stormwater *discharges*;

k. A description and location of any stormwater *discharges* associated with industrial activity other than construction at the site, including, but not limited to, stormwater *discharges* from asphalt plants and concrete plants located on the *construction site*; and

l. Identification of any elements of the design that are not in conformance with the design criteria in the technical standard, New York State Standards and Specifications for Erosion and Sediment Control, dated November 2016. Include the reason for the deviation or alternative design and provide information which demonstrates that the deviation or alternative design is *equivalent* to the technical standard.

2. Post-construction stormwater management practice component – The *owner or operator* of any construction project identified in Table 2 of Appendix B as needing post-construction stormwater management practices shall prepare a SWPPP that includes practices designed in conformance with the applicable *sizing criteria* in Part I.C.2.a., c. or d. of this permit and the *performance criteria* in the technical standard, New York State Stormwater Management Design Manual dated January 2015

   Where post-construction stormwater management practices are not designed in conformance with the *performance criteria* in the technical standard, the *owner or operator* must include in the SWPPP the reason(s) for the deviation or alternative design and provide information which demonstrates that the deviation or alternative design is *equivalent* to the technical standard.

   The post-construction stormwater management practice component of the SWPPP shall include the following:

   a. Identification of all post-construction stormwater management practices to be constructed as part of the project. Include the dimensions, material specifications and installation details for each post-construction stormwater management practice;

b. A site map/construction drawing(s) showing the specific location and size of each post-construction stormwater management practice;

c. A Stormwater Modeling and Analysis Report that includes:
   (i) Map(s) showing pre-development conditions, including watershed/subcatchments boundaries, flow paths/routing, and design points;

   (ii) Map(s) showing post-development conditions, including watershed/subcatchments boundaries, flow paths/routing, design points and post-construction stormwater management practices;

   (iii) Results of stormwater modeling (i.e. hydrology and hydraulic analysis) for the required storm events. Include supporting calculations (model runs), methodology, and a summary table that compares pre and post-development runoff rates and volumes for the different storm events;

   (iv) Summary table, with supporting calculations, which demonstrates that each post-construction stormwater management practice has been designed in conformance with the *sizing criteria* included in the Design Manual;

   (v) Identification of any *sizing criteria* that is not required based on the requirements included in Part I.C. of this permit; and

   (vi) Identification of any elements of the design that are not in conformance with the *performance criteria* in the Design Manual. Include the reason(s) for the deviation or alternative design and provide information which demonstrates that the deviation or alternative design is *equivalent* to the Design Manual;

d. Soil testing results and locations (test pits, borings);

e. Infiltration test results, when required; and

f. An operations and maintenance plan that includes inspection and maintenance schedules and actions to ensure continuous and effective operation of each post-construction stormwater management practice. The plan shall identify the entity that will be responsible for the long term operation and maintenance of each practice.





3. Enhanced Phosphorus Removal Standards - All construction projects identified in Table 2 of Appendix B that are located in the watersheds identified in Appendix C shall prepare a SWPPP that includes post-construction stormwater management practices designed in conformance with the applicable *sizing criteria* in Part I.C.2. b., c. or d. of this permit and the *performance criteria,* Enhanced Phosphorus Removal Standards included in the Design Manual. At a minimum, the post-construction stormwater management practice component of the SWPPP shall include items 2.a - 2.f. above.

**C. Required SWPPP Components by Project Type**

Unless otherwise notified by the Department, *owners or operators* of *construction activities* identified in Table 1 of Appendix B are required to prepare a SWPPP that only includes erosion and sediment control practices designed in conformance with Part III.B.1 of this permit. *Owners or operators* of the *construction activities* identified in Table 2 of Appendix B shall prepare a SWPPP that also includes post-construction stormwater management practices designed in conformance with Part III.B.2 or 3 of this permit.

## Part IV. INSPECTION AND MAINTENANCE REQUIREMENTS

**A. General Construction Site Inspection and Maintenance Requirements**

1. The *owner or operator* must ensure that all erosion and sediment control practices (including pollution prevention measures) and all post-construction stormwater management practices identified in the SWPPP are inspected and maintained in accordance with Part IV.B. and C. of this permit.

2. The terms of this permit shall not be construed to prohibit the State of New York from exercising any authority pursuant to the ECL, common law or federal law, or prohibit New York State from taking any measures, whether civil or criminal, to prevent violations of the laws of the State of New York or protect the public health and safety and/or the environment.

**B. Contractor Maintenance Inspection Requirements**

1. The *owner or operator* of each *construction activity* identified in Tables 1 and 2 of Appendix B shall have a *trained contractor* inspect the erosion and sediment control practices and pollution prevention measures being implemented within the active work area daily to ensure that they are being maintained in effective operating condition at all times. If deficiencies are identified, the contractor shall

begin implementing corrective actions within one business day and shall complete the corrective actions in a reasonable time frame.

2. For construction sites where soil disturbance activities have been temporarily suspended (e.g. winter shutdown) and *temporary stabilization* measures have been applied to all disturbed areas, the *trained contractor* can stop conducting the maintenance inspections. The *trained contractor* shall begin conducting the maintenance inspections in accordance with Part IV.B.1. of this permit as soon as soil disturbance activities resume.

3. For construction sites where soil disturbance activities have been shut down with partial project completion, the *trained contractor* can stop conducting the maintenance inspections if all areas disturbed as of the project shutdown date have achieved *final stabilization* and all post-construction stormwater management practices required for the completed portion of the project have been constructed in conformance with the SWPPP and are operational.

**C. Qualified Inspector Inspection Requirements**

The *owner or operator* shall have a *qualified inspector* conduct site inspections in conformance with the following requirements:

[Note: The *trained contractor* identified in Part III.A.6. and IV.B. of this permit **cannot** conduct the *qualified inspector* site inspections unless they meet the *qualified inspector* qualifications included in Appendix A. In order to perform these inspections, the *trained contractor* would have to be a:

- licensed Professional Engineer,
- Certified Professional in Erosion and Sediment Control (CPESC),
- New York State Erosion and Sediment Control Certificate Program holder
- Registered Landscape Architect, or
- someone working under the direct supervision of, and at the same company as, the licensed Professional Engineer or Registered Landscape Architect, provided they have received four (4) hours of Department endorsed training in proper erosion and sediment control principles from a Soil and Water Conservation District, or other Department endorsed entity].

1. A *qualified inspector* shall conduct site inspections for all *construction activities* identified in Tables 1 and 2 of Appendix B, with the exception of:

   a. the construction of a single family residential subdivision with 25% or less *impervious cover* at total site build-out that involves a soil disturbance of one (1) or more acres of land but less than five (5) acres and is not located





in one of the watersheds listed in Appendix C and not directly discharging to one of the 303(d) segments listed in Appendix E;

   b. the construction of a single family home that involves a soil disturbance of one (1) or more acres of land but less than five (5) acres and is not located in one of the watersheds listed in Appendix C and not directly discharging to one of the 303(d) segments listed in Appendix E;

   c. construction on agricultural property that involves a soil disturbance of one (1) or more acres of land but less than five (5) acres; and

   d. *construction activities* located in the watersheds identified in Appendix D that involve soil disturbances between five thousand (5,000) square feet and one (1) acre of land.

2. Unless otherwise notified by the Department, the *qualified inspector* shall conduct site inspections in accordance with the following timetable:

   a. For construction sites where soil disturbance activities are on-going, the *qualified inspector* shall conduct a site inspection at least once every seven (7) calendar days.

   b. For construction sites where soil disturbance activities are on-going and the *owner or operator* has received authorization in accordance with Part II.D.3 to disturb greater than five (5) acres of soil at any one time, the *qualified inspector* shall conduct at least two (2) site inspections every seven (7) calendar days. The two (2) inspections shall be separated by a minimum of two (2) full calendar days.

   c. For construction sites where soil disturbance activities have been temporarily suspended (e.g. winter shutdown) and *temporary stabilization* measures have been applied to all disturbed areas, the *qualified inspector* shall conduct a site inspection at least once every thirty (30) calendar days. The *owner or operator* shall notify the DOW Water (SPDES) Program contact at the Regional Office (see contact information in Appendix F) or, in areas under the jurisdiction of a *regulated, traditional land use control MS4,* the *regulated, traditional land use control MS4* (provided the *regulated, traditional land use control MS4* is not the *owner or operator* of the *construction activity*) in writing prior to reducing the frequency of inspections.

d. For construction sites where soil disturbance activities have been shut down with partial project completion, the *qualified inspector* can stop conducting inspections if all areas disturbed as of the project shutdown date have achieved *final stabilization* and all post-construction stormwater management practices required for the completed portion of the project have been constructed in conformance with the SWPPP and are operational. The *owner or operator* shall notify the DOW Water (SPDES) Program contact at the Regional Office (see contact information in Appendix F) or, in areas under the jurisdiction of a *regulated, traditional land use control MS4,* the *regulated, traditional land use control MS4* (provided the *regulated, traditional land use control MS4* is not the *owner or operator* of the *construction activity*) in writing prior to the shutdown. If soil disturbance activities are not resumed within 2 years from the date of shutdown, the *owner or operator* shall have the *qualified inspector* perform a final inspection and certify that all disturbed areas have achieved *final stabilization,* and all temporary, structural erosion and sediment control measures have been removed*;* and that all post-construction stormwater management practices have been constructed in conformance with the SWPPP by signing the "*Final Stabilization*" and "Post-Construction Stormwater Management Practice" certification statements on the NOT. The *owner or operator* shall then submit the completed NOT form to the address in Part II.B.1 of this permit.

e. For construction sites that directly *discharge* to one of the 303(d) segments listed in Appendix E or is located in one of the watersheds listed in Appendix C, the *qualified inspector* shall conduct at least two (2) site inspections every seven (7) calendar days. The two (2) inspections shall be separated by a minimum of two (2) full calendar days.

3. At a minimum, the *qualified inspector* shall inspect all erosion and sediment control practices and pollution prevention measures to ensure integrity and effectiveness, all post-construction stormwater management practices under construction to ensure that they are constructed in conformance with the SWPPP, all areas of disturbance that have not achieved *final stabilization,* all points of *discharge* to natural surface waterbodies located within, or immediately adjacent to, the property boundaries of the *construction site*, and all points of *discharge* from the *construction site*.

4. The *qualified inspector* shall prepare an inspection report subsequent to each and every inspection. At a minimum, the inspection report shall include and/or address the following:





a. Date and time of inspection;

b. Name and title of person(s) performing inspection;

c. A description of the weather and soil conditions (e.g. dry, wet, saturated) at the time of the inspection;

d. A description of the condition of the runoff at all points of *discharge* from the *construction site*. This shall include identification of any *discharges* of sediment from the *construction site*. Include *discharges* from conveyance systems (i.e. pipes, culverts, ditches, etc.) and overland flow;

e. A description of the condition of all natural surface waterbodies located within, or immediately adjacent to, the property boundaries of the *construction site* which receive runoff from disturbed areas. This shall include identification of any *discharges* of sediment to the surface waterbody;

f. Identification of all erosion and sediment control practices and pollution prevention measures that need repair or maintenance;

g. Identification of all erosion and sediment control practices and pollution prevention measures that were not installed properly or are not functioning as designed and need to be reinstalled or replaced;

h. Description and sketch of areas with active soil disturbance activity, areas that have been disturbed but are inactive at the time of the inspection, and areas that have been stabilized (temporary and/or final) since the last inspection;

i. Current phase of construction of all post-construction stormwater management practices and identification of all construction that is not in conformance with the SWPPP and technical standards;

j. Corrective action(s) that must be taken to install, repair, replace or maintain erosion and sediment control practices and pollution prevention measures; and to correct deficiencies identified with the construction of the post-construction stormwater management practice(s);

k. Identification and status of all corrective actions that were required by previous inspection; and

l. Digital photographs, with date stamp, that clearly show the condition of all practices that have been identified as needing corrective actions. The *qualified inspector* shall attach paper color copies of the digital photographs to the inspection report being maintained onsite within seven (7) calendar days of the date of the inspection. The *qualified inspector* shall also take digital photographs, with date stamp, that clearly show the condition of the practice(s) after the corrective action has been completed. The *qualified inspector* shall attach paper color copies of the digital photographs to the inspection report that documents the completion of the corrective action work within seven (7) calendar days of that inspection.

5. Within one business day of the completion of an inspection, the *qualified inspector* shall notify the *owner or operator* and appropriate contractor or subcontractor identified in Part III.A.6. of this permit of any corrective actions that need to be taken. The contractor or subcontractor shall begin implementing the corrective actions within one business day of this notification and shall complete the corrective actions in a reasonable time frame.

6. All inspection reports shall be signed by the *qualified inspector.* Pursuant to Part II.D.2. of this permit, the inspection reports shall be maintained on site with the SWPPP.

## Part V. TERMINATION OF PERMIT COVERAGE

### A. Termination of Permit Coverage

1. An *owner or operator* that is eligible to terminate coverage under this permit must submit a completed NOT form to the address in Part II.B.1 of this permit. The NOT form shall be one which is associated with this permit, signed in accordance with Part VII.H of this permit.

2. An *owner or operator* may terminate coverage when one or more the following conditions have been met:

   a. Total project completion - All *construction activity* identified in the SWPPP has been completed; and all areas of disturbance have achieved *final stabilization*; and all temporary, structural erosion and sediment control measures have been removed; and all post-construction stormwater management practices have been constructed in conformance with the SWPPP and are operational;





   b. Planned shutdown with partial project completion - All soil disturbance activities have ceased; and all areas disturbed as of the project shutdown date have achieved *final stabilization*; and all temporary, structural erosion and sediment control measures have been removed; and all post-construction stormwater management practices required for the completed portion of the project have been constructed in conformance with the SWPPP and are operational;

   c. A new *owner or operator* has obtained coverage under this permit in accordance with Part II.F. of this permit.

   d. The *owner or operator* obtains coverage under an alternative SPDES general permit or an individual SPDES permit.

3. For *construction activities* meeting subdivision 2a. or 2b. of this Part, the *owner or operator* shall have the *qualified inspector* perform a final site inspection prior to submitting the NOT. The *qualified inspector* shall, by signing the "*Final Stabilization*" and "Post-Construction Stormwater Management Practice certification statements on the NOT, certify that all the requirements in Part V.A.2.a. or b. of this permit have been achieved.

4. For *construction activities* that are subject to the requirements of a *regulated, traditional land use control MS4* and meet subdivision 2a. or 2b. of this Part, the *owner or operator* shall have the *regulated, traditional land use control MS4* sign the "MS4 Acceptance" statement on the NOT in accordance with the requirements in Part VII.H. of this permit. The *regulated, traditional land use control MS4* official, by signing this statement, has determined that it is acceptable for the *owner or operator* to submit the NOT in accordance with the requirements of this Part. The *regulated, traditional land use control MS4* can make this determination by performing a final site inspection themselves or by accepting the *qualified inspector*'s final site inspection certification(s) required in Part V.A.3. of this permit.

5. For *construction activities* that require post-construction stormwater management practices and meet subdivision 2a. of this Part, the *owner or operator* must, prior to submitting the NOT, ensure one of the following:

   a. the post-construction stormwater management practice(s) and any right-of-way(s) needed to maintain such practice(s) have been deeded to the municipality in which the practice(s) is located,

b. an executed maintenance agreement is in place with the municipality that will maintain the post-construction stormwater management practice(s),

c. for post-construction stormwater management practices that are privately owned, the *owner or operator* has a mechanism in place that requires operation and maintenance of the practice(s) in accordance with the operation and maintenance plan, such as a deed covenant in the *owner or operator's* deed of record,

d. for post-construction stormwater management practices that are owned by a public or private institution (e.g. school, university, hospital), government agency or authority, or public utility; the *owner or operator* has policy and procedures in place that ensures operation and maintenance of the practices in accordance with the operation and maintenance plan.

## Part VI. REPORTING AND RETENTION RECORDS

### A. Record Retention

The *owner or operator* shall retain a copy of the NOI, NOI Acknowledgment Letter, SWPPP, MS4 SWPPP Acceptance form and any inspection reports that were prepared in conjunction with this permit for a period of at least five (5) years from the date that the Department receives a complete NOT submitted in accordance with Part V. of this general permit.

### B. Addresses

With the exception of the NOI, NOT, and MS4 SWPPP Acceptance form (which must be submitted to the address referenced in Part II.B.1 of this permit), all written correspondence requested by the Department, including individual permit applications, shall be sent to the address of the appropriate DOW Water (SPDES) Program contact at the Regional Office listed in Appendix F.

## Part VII. STANDARD PERMIT CONDITIONS

### A. Duty to Comply

The *owner or operator* must comply with all conditions of this permit. All contractors and subcontractors associated with the project must comply with the terms of the SWPPP. Any non-compliance with this permit constitutes a violation of the Clean Water





Act (CWA) and the ECL and is grounds for an enforcement action against the *owner or operator* and/or the contractor/subcontractor; permit revocation, suspension or modification; or denial of a permit renewal application. Upon a finding of significant non-compliance with this permit or the applicable SWPPP, the Department may order an immediate stop to all *construction activity* at the site until the non-compliance is remedied. The stop work order shall be in writing, shall describe the non-compliance in detail, and shall be sent to the *owner or operator*.

If any human remains or archaeological remains are encountered during excavation, the *owner or operator* must immediately cease, or cause to cease, all *construction activity* in the area of the remains and notify the appropriate Regional Water Engineer (RWE). *Construction activity* shall not resume until written permission to do so has been received from the RWE.

### B. Continuation of the Expired General Permit

This permit expires five (5) years from the effective date. If a new general permit is not issued prior to the expiration of this general permit, an *owner or operator* with coverage under this permit may continue to operate and *discharge* in accordance with the terms and conditions of this general permit, if it is extended pursuant to the State Administrative Procedure Act and 6 NYCRR Part 621, until a new general permit is issued.

### C. Enforcement

Failure of the *owner or operator,* its contractors, subcontractors, agents and/or assigns to strictly adhere to any of the permit requirements contained herein shall constitute a violation of this permit. There are substantial criminal, civil, and administrative penalties associated with violating the provisions of this permit. Fines of up to $37,500 per day for each violation and imprisonment for up to fifteen (15) years may be assessed depending upon the nature and degree of the offense.

### D. Need to Halt or Reduce Activity Not a Defense

It shall not be a defense for an *owner or operator* in an enforcement action that it would have been necessary to halt or reduce the *construction activity* in order to maintain compliance with the conditions of this permit.

**E. Duty to Mitigate**

The *owner or operator* and its contractors and subcontractors shall take all reasonable steps to *minimize* or prevent any *discharge* in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.

**F. Duty to Provide Information**

The *owner or operator* shall furnish to the Department, within a reasonable specified time period of a written request, all documentation necessary to demonstrate eligibility and any information to determine compliance with this permit or to determine whether cause exists for modifying or revoking this permit, or suspending or denying coverage under this permit, in accordance with the terms and conditions of this permit. The NOI, SWPPP and inspection reports required by this permit are public documents that the *owner or operator* must make available for review and copying by any person within five (5) business days of the *owner or operator* receiving a written request by any such person to review these documents. Copying of documents will be done at the requester's expense.

**G. Other Information**

When the *owner or operator* becomes aware that they failed to submit any relevant facts, or submitted incorrect information in the NOI or in any of the documents required by this permit , or have made substantive revisions to the SWPPP (e.g. the scope of the project changes significantly, the type of post-construction stormwater management practice(s) changes, there is a reduction in the sizing of the post-construction stormwater management practice, or there is an increase in the disturbance area or *impervious area*), which were not reflected in the original NOI submitted to the Department, they shall promptly submit such facts or information to the Department using the contact information in Part II.A. of this permit. Failure of the *owner or operator* to correct or supplement any relevant facts within five (5) business days of becoming aware of the deficiency shall constitute a violation of this permit.

**H. Signatory Requirements**

1. All NOIs and NOTs shall be signed as follows:

   a. For a corporation these forms shall be signed by a responsible corporate officer. For the purpose of this section, a responsible corporate officer means:





   (i) a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation; or

   (ii) the manager of one or more manufacturing, production or operating facilities, provided the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures;

   b. For a partnership or sole proprietorship these forms shall be signed by a general partner or the proprietor, respectively; or

   c. For a municipality, State, Federal, or other public agency these forms shall be signed by either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a Federal agency includes:

   (i) the chief executive officer of the agency, or

   (ii) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., Regional Administrators of EPA).

2. The SWPPP and other information requested by the Department shall be signed by a person described in Part VII.H.1. of this permit or by a duly authorized representative of that person. A person is a duly authorized representative only if:

   a. The authorization is made in writing by a person described in Part VII.H.1. of this permit;

   b. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity, such as the position of plant manager, operator of a well or a well field,

superintendent, position of *equivalent* responsibility, or an individual or position having overall responsibility for environmental matters for the company. (A duly authorized representative may thus be either a named individual or any individual occupying a named position) and,

c. The written authorization shall include the name, title and signature of the authorized representative and be attached to the SWPPP.

3. All inspection reports shall be signed by the *qualified inspector* that performs the inspection.

4. The MS4 SWPPP Acceptance form shall be signed by the principal executive officer or ranking elected official from the *regulated, traditional land use control MS4,* or by a duly authorized representative of that person.

   It shall constitute a permit violation if an incorrect and/or improper signatory authorizes any required forms, SWPPP and/or inspection reports.

**I. Property Rights**

The issuance of this permit does not convey any property rights of any sort, nor any exclusive privileges, nor does it authorize any injury to private property nor any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations. *Owners or operators* must obtain any applicable conveyances, easements, licenses and/or access to real property prior to *commencing construction activity*.

**J. Severability**

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit shall not be affected thereby.

**K. Requirement to Obtain Coverage Under an Alternative Permit**

1. The Department may require any owner or operator authorized by this permit to apply for and/or obtain either an individual SPDES permit or another SPDES general permit. When the Department requires any discharger authorized by a general permit to apply for an individual SPDES permit, it shall notify the discharger in writing that a permit application is required. This notice shall





include a brief statement of the reasons for this decision, an application form, a statement setting a time frame for the owner or operator to file the application for an individual SPDES permit, and a deadline, not sooner than 180 days from owner or operator receipt of the notification letter, whereby the authorization to discharge under this general permit shall be terminated. Applications must be submitted to the appropriate Permit Administrator at the Regional Office. The Department may grant additional time upon demonstration, to the satisfaction of the Department, that additional time to apply for an alternative authorization is necessary or where the Department has not provided a permit determination in accordance with Part 621 of this Title.

2. When an individual SPDES permit is issued to a discharger authorized to *discharge* under a general SPDES permit for the same *discharge*(s), the general permit authorization for outfalls authorized under the individual SPDES permit is automatically terminated on the effective date of the individual permit unless termination is earlier in accordance with 6 NYCRR Part 750.

**L. Proper Operation and Maintenance**

The *owner or operator* shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the *owner or operator* to achieve compliance with the conditions of this permit and with the requirements of the SWPPP.

**M. Inspection and Entry**

The *owner or operator* shall allow an authorized representative of the Department, EPA, applicable county health department, or, in the case of a *construction site* which *discharges* through an *MS4*, an authorized representative of the *MS4* receiving the discharge, upon the presentation of credentials and other documents as may be required by law, to:

1. Enter upon the owner's or operator's premises where a regulated facility or activity is located or conducted or where records must be kept under the conditions of this permit;

2. Have access to and copy at reasonable times, any records that must be kept under the conditions of this permit; and

3. Inspect at reasonable times any facilities or equipment (including monitoring and control equipment), practices or operations regulated or required by this permit.

4. Sample or monitor at reasonable times, for purposes of assuring permit compliance or as otherwise authorized by the Act or ECL, any substances or parameters at any location.

**N. Permit Actions**

This permit may, at any time, be modified, suspended, revoked, or renewed by the Department in accordance with 6 NYCRR Part 621. The filing of a request by the *owner or operator* for a permit modification, revocation and reissuance, termination, a notification of planned changes or anticipated noncompliance does not limit, diminish and/or stay compliance with any terms of this permit.

**O. Definitions**

Definitions of key terms are included in Appendix A of this permit.

**P. Re-Opener Clause**

1. If there is evidence indicating potential or realized impacts on water quality due to any stormwater discharge associated with construction activity covered by this permit, the owner or operator of such discharge may be required to obtain an individual permit or alternative general permit in accordance with Part VII.K. of this permit or the permit may be modified to include different limitations and/or requirements.

2. Any Department initiated permit modification, suspension or revocation will be conducted in accordance with 6 NYCRR Part 621, 6 NYCRR 750-1.18, and 6 NYCRR 750-1.20.

**Q. Penalties for Falsification of Forms and Reports**

In accordance with 6NYCRR Part 750-2.4 and 750-2.5, any person who knowingly makes any false material statement, representation, or certification in any application, record, report or other document filed or required to be maintained under this permit, including reports of compliance or noncompliance shall, upon conviction, be punished in accordance with ECL §71-1933 and or Articles 175 and 210 of the New York State Penal Law.





**R. Other Permits**

Nothing in this permit relieves the *owner or operator* from a requirement to obtain any other permits required by law.

## APPENDIX A – Acronyms and Definitions

**Acronyms**

APO – Agency Preservation Officer
BMP – Best Management Practice
CPESC – Certified Professional in Erosion and Sediment Control
Cpv – Channel Protection Volume
CWA – Clean Water Act (or the Federal Water Pollution Control Act, 33 U.S.C. §1251 et seq)
DOW – Division of Water
EAF – Environmental Assessment Form
ECL - Environmental Conservation Law
EPA – U. S. Environmental Protection Agency
HSG – Hydrologic Soil Group
MS4 – Municipal Separate Storm Sewer System
NOI – Notice of Intent
NOT – Notice of Termination
NPDES – National Pollutant Discharge Elimination System
OPRHP – Office of Parks, Recreation and Historic Places
Qf – Extreme Flood
Qp – Overbank Flood
RRv – Runoff Reduction Volume
RWE – Regional Water Engineer
SEQR – State Environmental Quality Review
SEQRA - State Environmental Quality Review Act
SHPA – State Historic Preservation Act
SPDES – State Pollutant Discharge Elimination System
SWPPP – Stormwater Pollution Prevention Plan
TMDL – Total Maximum Daily Load
UPA – Uniform Procedures Act
USDA – United States Department of Agriculture
WQv – Water Quality Volume





**Definitions**

All definitions in this section are solely for the purposes of this permit.

**Agricultural Building –** a structure designed and constructed to house farm implements, hay, grain, poultry, livestock or other horticultural products; excluding any structure designed, constructed or used, in whole or in part, for human habitation, as a place of employment where agricultural products are processed, treated or packaged, or as a place used by the public.

**Agricultural Property** –means the land for construction of a barn, *agricultural building*, silo, stockyard, pen or other structural practices identified in Table II in the "Agricultural Management Practices Catalog for Nonpoint Source Pollution in New York State" prepared by the Department in cooperation with agencies of New York Nonpoint Source Coordinating Committee (dated June 2007).

**Alter Hydrology from Pre to Post-Development Conditions -** means the post-development peak flow rate(s) has increased by more than 5% of the pre-developed condition for the design storm of interest (e.g. 10 yr and 100 yr).

**Combined Sewer -** means a sewer that is designed to collect and convey both "sewage" and "stormwater".

**Commence (Commencement of) Construction Activities -** means the initial disturbance of soils associated with clearing, grading or excavation activities; or other construction related activities that disturb or expose soils such as demolition, stockpiling of fill material, and the initial installation of erosion and sediment control practices required in the SWPPP. See definition for "*Construction Activity(ies)*" also.

**Construction Activity(ies) -** means any clearing, grading, excavation, filling, demolition or stockpiling activities that result in soil disturbance. Clearing activities can include, but are not limited to, logging equipment operation, the cutting and skidding of trees, stump removal and/or brush root removal. Construction activity does not include routine maintenance that is performed to maintain the original line and grade, hydraulic capacity, or original purpose of a facility.

**Construction Site** – means the land area where *construction activity(ies)* will occur. See definition for "*Commence (Commencement of) Construction Activities"* and "*Larger Common Plan of Development or Sale" also.*

**Dewatering** – means the act of draining rainwater and/or groundwater from building foundations, vaults or excavations/trenches.

**Direct Discharge (to a specific surface waterbody) -** means that runoff flows from a *construction site* by overland flow and the first point of discharge is the specific surface waterbody, or runoff flows from a *construction site* to a separate storm sewer system

and the first point of discharge from the separate storm sewer system is the specific surface waterbody.

**Discharge(s) -** means any addition of any pollutant to waters of the State through an outlet or *point source*.

**Embankment** –means an earthen or rock slope that supports a road/highway.

**Endangered or Threatened Species** – see 6 NYCRR Part 182 of the Department's rules and regulations for definition of terms and requirements.

**Environmental Conservation Law (ECL)** - means chapter 43-B of the Consolidated Laws of the State of New York, entitled the Environmental Conservation Law.

**Equivalent (Equivalence)** – means that the practice or measure meets all the performance, longevity, maintenance, and safety objectives of the technical standard and will provide an equal or greater degree of water quality protection.

**Final Stabilization -** means that all soil disturbance activities have ceased and a uniform, perennial vegetative cover with a density of eighty (80) percent over the entire pervious surface has been established; or other equivalent stabilization measures, such as permanent landscape mulches, rock rip-rap or washed/crushed stone have been applied on all disturbed areas that are not covered by permanent structures, concrete or pavement.

**General SPDES permit** - means a SPDES permit issued pursuant to 6 NYCRR Part 750-1.21 and Section 70-0117 of the ECL authorizing a category of discharges.

**Groundwater(s) -** means waters in the saturated zone. The saturated zone is a subsurface zone in which all the interstices are filled with water under pressure greater than that of the atmosphere. Although the zone may contain gas-filled interstices or interstices filled with fluids other than water, it is still considered saturated.

**Historic Property** – means any building, structure, site, object or district that is listed on the State or National Registers of Historic Places or is determined to be eligible for listing on the State or National Registers of Historic Places.

**Impervious Area (Cover) -** means all impermeable surfaces that cannot effectively infiltrate rainfall. This includes paved, concrete and gravel surfaces (i.e. parking lots, driveways, roads, runways and sidewalks); building rooftops and miscellaneous impermeable structures such as patios, pools, and sheds.

**Infeasible** – means not technologically possible, or not economically practicable and achievable in light of best industry practices.





**Larger Common Plan of Development or Sale -** means a contiguous area where multiple separate and distinct *construction activities* are occurring, or will occur, under one plan. The term "plan" in "larger common plan of development or sale" is broadly defined as any announcement or piece of documentation (including a sign, public notice or hearing, marketing plan, advertisement, drawing, permit application, State Environmental Quality Review Act (SEQRA) environmental assessment form or other documents, zoning request, computer design, etc.) or physical demarcation (including boundary signs, lot stakes, surveyor markings, etc.) indicating that *construction activities* may occur on a specific plot.

For discrete construction projects that are located within a larger common plan of development or sale that are at least 1/4 mile apart, each project can be treated as a separate plan of development or sale provided any interconnecting road, pipeline or utility project that is part of the same "common plan" is not concurrently being disturbed.

**Minimize** – means reduce and/or eliminate to the extent achievable using control measures (including best management practices) that are technologically available and economically practicable and achievable in light of best industry practices.

**Municipal Separate Storm Sewer (MS4)** - a conveyance or system of conveyances (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, man-made channels, or storm drains):

(i) Owned or operated by a State, city, town, borough, county, parish, district, association, or other public body (created by or pursuant to State law) having jurisdiction over disposal of sewage, industrial wastes, stormwater, or other wastes, including special districts under State law such as a sewer district, flood control district or drainage district, or similar entity, or an Indian tribe or an authorized Indian tribal organization, or a designated and approved management agency under section 208 of the CWA that discharges to surface waters of the State*;*
(ii) Designed or used for collecting or conveying stormwater;
(iii) Which is not a *combined sewer*; and
(iv) Which is not part of a Publicly Owned Treatment Works (POTW) as defined at 40 CFR 122.2.

**National Pollutant Discharge Elimination System (NPDES)** - means the national system for the issuance of wastewater and stormwater permits under the Federal Water Pollution Control Act (Clean Water Act).

**Natural Buffer** –means an undisturbed area with natural cover running along a surface water (e.g. wetland, stream, river, lake, etc.).

**New Development** – means any land disturbance that does not meet the definition of Redevelopment Activity included in this appendix.

**New York State Erosion and Sediment Control Certificate Program** – a certificate program that establishes and maintains a process to identify and recognize individuals who are capable of developing, designing, inspecting and maintaining erosion and sediment control plans on projects that disturb soils in New York State. The certificate program is administered by the New York State Conservation District Employees Association.

**NOI Acknowledgment Letter** - means the letter that the Department sends to an owner or operator to acknowledge the Department's receipt and acceptance of a complete Notice of Intent. This letter documents the owner's or operator's authorization to discharge in accordance with the general permit for stormwater discharges from *construction activity*.

**Nonpoint Source** - means any source of water pollution or pollutants which is not a discrete conveyance or *point source* permitted pursuant to Title 7 or 8 of Article 17 of the Environmental Conservation Law (see ECL Section 17-1403).

**Overbank** –means flow events that exceed the capacity of the stream channel and spill out into the adjacent floodplain.

**Owner or Operator** - means the person, persons or legal entity which owns or leases the property on which the *construction activity* is occurring; an entity that has operational control over the construction plans and specifications, including the ability to make modifications to the plans and specifications; and/or an entity that has day-to-day operational control of those activities at a project that are necessary to ensure compliance with the permit conditions.

**Performance Criteria** – means the design criteria listed under the "Required Elements" sections in Chapters 5, 6 and 10 of the technical standard, New York State Stormwater Management Design Manual, dated January 2015. It does not include the Sizing Criteria (i.e. WQv, RRv, Cpv, Qp and Qf ) in Part I.C.2. of the permit.

**Point Source** - means any discernible, confined and discrete conveyance, including but not limited to any pipe, ditch, channel, tunnel, conduit, well, discrete fissure, container, rolling stock, concentrated animal feeding operation, vessel or other floating craft, or landfill leachate collection system from which *pollutants* are or may be discharged.

**Pollutant** - means dredged spoil, filter backwash, solid waste, incinerator residue, sewage, garbage, sewage sludge, munitions, chemical wastes, biological materials, radioactive materials, heat, wrecked or discarded equipment, rock, sand and industrial, municipal, agricultural waste and ballast discharged into water; which may cause or might reasonably be expected to cause pollution of the waters of the state in contravention of the standards or guidance values adopted as provided in 6 NYCRR Parts 700 et seq .





**Qualified Inspector** - means a person that is knowledgeable in the principles and practices of erosion and sediment control, such as a licensed Professional Engineer, Certified Professional in Erosion and Sediment Control (CPESC), Registered Landscape Architect, New York State Erosion and Sediment Control Certificate Program holder or other Department endorsed individual(s).

It can also mean someone working under the direct supervision of, and at the same company as, the licensed Professional Engineer or Registered Landscape Architect, provided that person has training in the principles and practices of erosion and sediment control. Training in the principles and practices of erosion and sediment control means that the individual working under the direct supervision of the licensed Professional Engineer or Registered Landscape Architect has received four (4) hours of Department endorsed training in proper erosion and sediment control principles from a Soil and Water Conservation District, or other Department endorsed entity. After receiving the initial training, the individual working under the direct supervision of the licensed Professional Engineer or Registered Landscape Architect shall receive four (4) hours of training every three (3) years.

It can also mean a person that meets the *Qualified Professional* qualifications in addition to the *Qualified Inspector* qualifications.

Note: Inspections of any post-construction stormwater management practices that include structural components, such as a dam for an impoundment, shall be performed by a licensed Professional Engineer.

**Qualified Professional -** means a person that is knowledgeable in the principles and practices of stormwater management and treatment, such as a licensed Professional Engineer, Registered Landscape Architect or other Department endorsed individual(s). Individuals preparing SWPPPs that require the post-construction stormwater management practice component must have an understanding of the principles of hydrology, water quality management practice design, water quantity control design, and, in many cases, the principles of hydraulics. All components of the SWPPP that involve the practice of engineering, as defined by the NYS Education Law (see Article 145), shall be prepared by, or under the direct supervision of, a professional engineer licensed to practice in the State of New York.

**Redevelopment Activity(ies)** – means the disturbance and reconstruction of existing impervious area, including impervious areas that were removed from a project site within five (5) years of preliminary project plan submission to the local government (i.e. site plan, subdivision, etc.).

**Regulated, Traditional Land Use Control MS4 -** means a city, town or village with land use control authority that is authorized to discharge under New York State DEC's

SPDES General Permit For Stormwater Discharges from Municipal Separate Stormwater Sewer Systems (MS4s) or the City of New York's Individual SPDES Permit for their Municipal Separate Storm Sewer Systems (NY-0287890).

**Routine Maintenance Activity -** means *construction activity* that is performed to maintain the original line and grade, hydraulic capacity, or original purpose of a facility, including, but not limited to:

- Re-grading of gravel roads or parking lots,
- Cleaning and shaping of existing roadside ditches and culverts that maintains the approximate original line and grade, and hydraulic capacity of the ditch,
- Cleaning and shaping of existing roadside ditches that does not maintain the approximate original grade, hydraulic capacity and purpose of the ditch if the changes to the line and grade, hydraulic capacity or purpose of the ditch are installed to improve water quality and quantity controls (e.g. installing grass lined ditch),
- Placement of aggregate shoulder backing that stabilizes the transition between the road shoulder and the ditch or *embankment*,
- Full depth milling and filling of existing asphalt pavements, replacement of concrete pavement slabs, and similar work that does not expose soil or disturb the bottom six (6) inches of subbase material,
- Long-term use of equipment storage areas at or near highway maintenance facilities,
- Removal of sediment from the edge of the highway to restore a previously existing sheet-flow drainage connection from the highway surface to the highway ditch or *embankment*,
- Existing use of Canal Corp owned upland disposal sites for the canal, and
- Replacement of curbs, gutters, sidewalks and guide rail posts.

**Site limitations** – means site conditions that prevent the use of an infiltration technique and or infiltration of the total WQv. Typical site limitations include: seasonal high groundwater, shallow depth to bedrock, and soils with an infiltration rate less than 0.5 inches/hour. The existence of site limitations shall be confirmed and documented using actual field testing (i.e. test pits, soil borings, and infiltration test) or using information from the most current United States Department of Agriculture (USDA) Soil Survey for the County where the project is located.

**Sizing Criteria** – means the criteria included in Part I.C.2 of the permit that are used to size post-construction stormwater management control practices. The criteria include; Water Quality Volume (WQv), Runoff Reduction Volume (RRv), Channel Protection Volume (Cpv), *Overbank* Flood (Qp), and Extreme Flood (Qf).

**State Pollutant Discharge Elimination System (SPDES)** - means the system established pursuant to Article 17 of the ECL and 6 NYCRR Part 750 for issuance of permits authorizing discharges to the waters of the state.





**Steep Slope** – means land area designated on the current United States Department of Agriculture ("USDA") Soil Survey as Soil Slope Phase "D", (provided the map unit name is inclusive of slopes greater than 25%) , or Soil Slope Phase E or F, (regardless of the map unit name), or a combination of the three designations.

**Streambank** – as used in this permit, means the terrain alongside the bed of a creek or stream. The bank consists of the sides of the channel, between which the flow is confined.

**Stormwater Pollution Prevention Plan (SWPPP)** – means a project specific report, including construction drawings, that among other things: describes the construction activity(ies), identifies the potential sources of pollution at the *construction site*; describes and shows the stormwater controls that will be used to control the pollutants (i.e. erosion and sediment controls; for many projects, includes post-construction stormwater management controls); and identifies procedures the *owner or operator* will implement to comply with the terms and conditions of the permit. See Part III of the permit for a complete description of the information that must be included in the SWPPP.

**Surface Waters of the State** - shall be construed to include lakes, bays, sounds, ponds, impounding reservoirs, springs, rivers, streams, creeks, estuaries, marshes, inlets, canals, the Atlantic ocean within the territorial seas of the state of New York and all other bodies of surface water, natural or artificial, inland or coastal, fresh or salt, public or private (except those private waters that do not combine or effect a junction with natural surface waters), which are wholly or partially within or bordering the state or within its jurisdiction. Waters of the state are further defined in 6 NYCRR Parts 800 to 941.

**Temporarily Ceased** – means that an existing disturbed area will not be disturbed again within 14 calendar days of the previous soil disturbance.

**Temporary Stabilization** - means that exposed soil has been covered with material(s) as set forth in the technical standard, New York Standards and Specifications for Erosion and Sediment Control, to prevent the exposed soil from eroding. The materials can include, but are not limited to, mulch, seed and mulch, and erosion control mats (e.g. jute twisted yarn, excelsior wood fiber mats).

**Total Maximum Daily Loads** (TMDLs) - A TMDL is the sum of the allowable loads of a single pollutant from all contributing point and *nonpoint sources*. It is a calculation of the maximum amount of a pollutant that a waterbody can receive on a daily basis and still meet *water quality standards*, and an allocation of that amount to the pollutant's sources. A TMDL stipulates wasteload allocations (WLAs) for *point source* discharges, load allocations (LAs) for *nonpoint sources*, and a margin of safety (MOS).

**Trained Contractor -** means an employee from the contracting (construction) company, identified in Part III.A.6., that has received four (4) hours of Department endorsed

training in proper erosion and sediment control principles from a Soil and Water Conservation District, or other Department endorsed entity. After receiving the initial training, the *trained contractor* shall receive four (4) hours of training every three (3) years.

It can also mean an employee from the contracting (construction) company, identified in Part III.A.6., that meets the *qualified inspector* qualifications (e.g. licensed Professional Engineer, Certified Professional in Erosion and Sediment Control (CPESC), Registered Landscape Architect, New York State Erosion and Sediment Control Certificate Program holder, or someone working under the direct supervision of, and at the same company as, the licensed Professional Engineer or Registered Landscape Architect, provided they have received four (4) hours of Department endorsed training in proper erosion and sediment control principles from a Soil and Water Conservation District, or other Department endorsed entity).

The *trained contractor* is responsible for the day to day implementation of the SWPPP.

**Uniform Procedures Act (UPA) Permit** - means a permit required under 6 NYCRR Part 621 of the Environmental Conservation Law (ECL), Article 70.

**Water Quality Standard** - means such measures of purity or quality for any waters in relation to their reasonable and necessary use as promulgated in 6 NYCRR Part 700 et seq.



## APPENDIX B – Required SWPPP Components by Project Type

**Table 1**
**Construction Activities that Require the Preparation of a SWPPP That Only Includes Erosion and Sediment Controls**

| |
|---|
| **The following construction activities that involve soil disturbances of one (1) or more acres of land, but less than five (5) acres:**<br>• Single family home not located in one of the watersheds listed in Appendix C or not *directly discharging* to one of the 303(d) segments listed in Appendix E<br>• Single family residential subdivisions with 25% or less impervious cover at total site build-out and not located in one of the watersheds listed in Appendix C and not directly discharging to one of the 303(d) segments listed in Appendix E<br>• Construction of a barn or other *agricultural building*, silo, stock yard or pen. |
| **The following construction activities that involve soil disturbances between five thousand (5000) square feet and one (1) acre of land:**<br>All construction activities located in the watersheds identified in Appendix D that involve soil disturbances between five thousand (5,000) square feet and one (1) acre of land. |
| **The following construction activities that involve soil disturbances of one (1) or more acres of land:**<br>• Installation of underground, linear utilities; such as gas lines, fiber-optic cable, cable TV, electric, telephone, sewer mains, and water mains<br>• Environmental enhancement projects, such as wetland mitigation projects, stormwater retrofits and stream restoration projects<br>• Pond construction<br>• Linear bike paths running through areas with vegetative cover, including bike paths surfaced with an impervious cover<br>• Cross-country ski trails and walking/hiking trails<br>• Sidewalk, bike path or walking path projects, surfaced with an impervious cover, that are not part of residential, commercial or institutional development;<br>• Sidewalk, bike path or walking path projects, surfaced with an impervious cover, that include incidental shoulder or curb work along an existing highway to support construction of the sidewalk, bike path or walking path.<br>• Slope stabilization projects<br>• Slope flattening that changes the grade of the site, but does not significantly change the runoff characteristics |

**Table 1 (Continued) CONSTRUCTION ACTIVITIES THAT REQUIRE THE PREPARATION OF A SWPPP THAT ONLY INCLUDES EROSION AND SEDIMENT CONTROLS**

**The following construction activities that involve soil disturbances of one (1) or more acres of land:**

- Spoil areas that will be covered with vegetation
- Vegetated open space projects (i.e. recreational parks, lawns, meadows, fields, downhill ski trails) excluding projects that *alter hydrology from pre to post development* conditions,
- Athletic fields (natural grass) that do not include the construction or reconstruction of *impervious area* and do not *alter hydrology from pre to post development* conditions
- Demolition project where vegetation will be established, and no redevelopment is planned
- Overhead electric transmission line project that does not include the construction of permanent access roads or parking areas surfaced with *impervious cover*
- Structural practices as identified in Table II in the "Agricultural Management Practices Catalog for Nonpoint Source Pollution in New York State", excluding projects that involve soil disturbances of greater than five acres and construction activities that include the construction or reconstruction of impervious area
- Temporary access roads, median crossovers, detour roads, lanes, or other temporary impervious areas that will be restored to pre-construction conditions once the construction activity is complete





**Table 2**
**CONSTRUCTION ACTIVITIES THAT REQUIRE THE PREPARATION OF A SWPPP THAT INCLUDES POST-CONSTRUCTION STORMWATER MANAGEMENT PRACTICES**

**The following construction activities that involve soil disturbances of one (1) or more acres of land:**

- Single family home located in one of the watersheds listed in Appendix C or *directly discharging* to one of the 303(d) segments listed in Appendix E
- Single family home that disturbs five (5) or more acres of land
- Single family residential subdivisions located in one of the watersheds listed in Appendix C or *directly discharging* to one of the 303(d) segments listed in Appendix E
- Single family residential subdivisions that involve soil disturbances of between one (1) and five (5) acres of land with greater than 25% impervious cover at total site build-out
- Single family residential subdivisions that involve soil disturbances of five (5) or more acres of land, and single family residential subdivisions that involve soil disturbances of less than five (5) acres that are part of a larger common plan of development or sale that will ultimately disturb five or more acres of land
- Multi-family residential developments; includes duplexes, townhomes, condominiums, senior housing complexes, apartment complexes, and mobile home parks
- Airports
- Amusement parks
- Breweries, cideries, and wineries, including establishments constructed on agricultural land
- Campgrounds
- Cemeteries that include the construction or reconstruction of impervious area (>5% of disturbed area) or *alter the hydrology from pre to post development* conditions
- Commercial developments
- Churches and other places of worship
- Construction of a barn or other *agricultural building* (e.g. silo) and structural practices as identified in Table II in the "Agricultural Management Practices Catalog for Nonpoint Source Pollution in New York State" that include the construction or reconstruction of *impervious area*, excluding projects that involve soil disturbances of less than five acres.
- Golf courses
- Institutional development; includes hospitals, prisons, schools and colleges
- Industrial facilities; includes industrial parks
- Landfills
- Municipal facilities; includes highway garages, transfer stations, office buildings, POTW's, water treatment plants, and water storage tanks
- Office complexes
- Playgrounds that include the construction or reconstruction of impervious area
- Sports complexes
- Racetracks; includes racetracks with earthen (dirt) surface
- Road construction or reconstruction, including roads constructed as part of the construction activities listed in Table 1

**Table 2 (Continued)**

**CONSTRUCTION ACTIVITIES THAT REQUIRE THE PREPARATION OF A SWPPP THAT INCLUDES POST-CONSTRUCTION STORMWATER MANAGEMENT PRACTICES**

**The following construction activities that involve soil disturbances of one (1) or more acres of land:**

- Parking lot construction or reconstruction, including parking lots constructed as part of the construction activities listed in Table 1
- Athletic fields (natural grass) that include the construction or reconstruction of impervious area (>5% of disturbed area) or *alter the hydrology from pre to post development* conditions
- Athletic fields with artificial turf
- Permanent access roads, parking areas, substations, compressor stations and well drilling pads, surfaced with *impervious cover,* and constructed as part of an over-head electric transmission line project, wind-power project, cell tower project, oil or gas well drilling project, sewer or water main project or other linear utility project
- Sidewalk, bike path or walking path projects, surfaced with an impervious cover, that are part of a residential, commercial or institutional development
- Sidewalk, bike path or walking path projects, surfaced with an impervious cover, that are part of a highway construction or reconstruction project
- All other construction activities that include the construction or reconstruction of *impervious area* or *alter the hydrology from pre to post development* conditions, and are not listed in Table 1





## APPENDIX C – Watersheds Requiring Enhanced Phosphorus Removal

**Watersheds where *owners or operators* of construction activities identified in Table 2 of Appendix B must prepare a SWPPP that includes post-construction stormwater management practices designed in conformance with the Enhanced Phosphorus Removal Standards included in the technical standard, New York State Stormwater Management Design Manual ("Design Manual").**

- Entire New York City Watershed located east of the Hudson River - Figure 1
- Onondaga Lake Watershed - Figure 2
- Greenwood Lake Watershed -Figure 3
- Oscawana Lake Watershed – Figure 4
- Kinderhook Lake Watershed – Figure 5

**Figure 1 - New York City Watershed East of the Hudson**

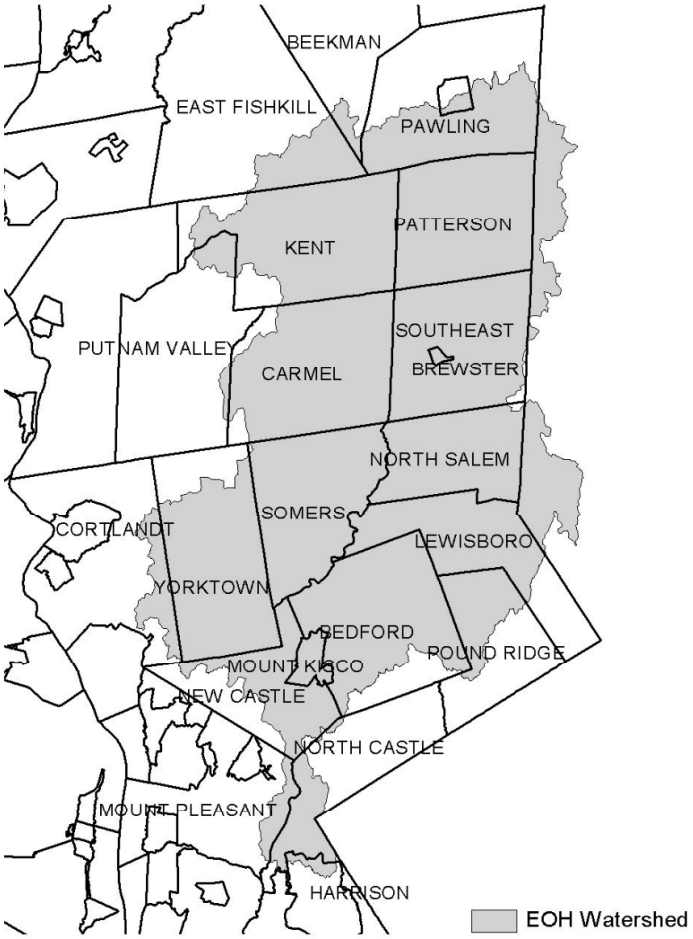







**Figure 2 - Onondaga Lake Watershed**



**Figure 3 - Greenwood Lake Watershed**

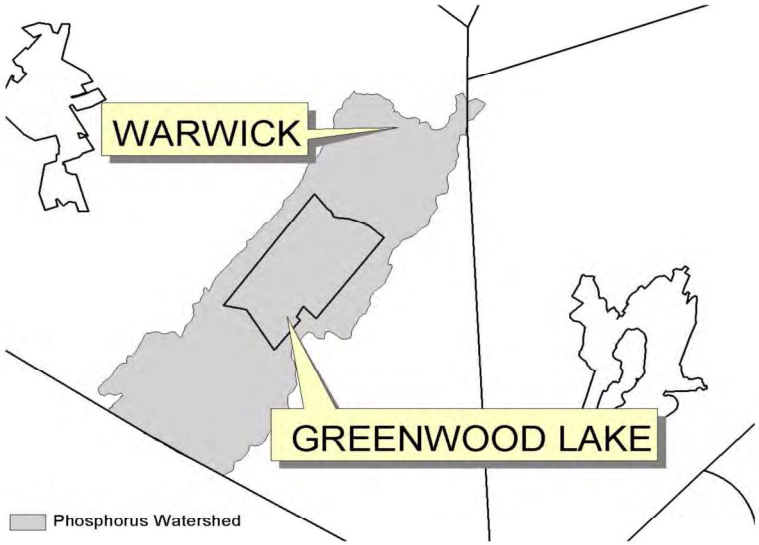







**Figure 4 - Oscawana Lake Watershed**

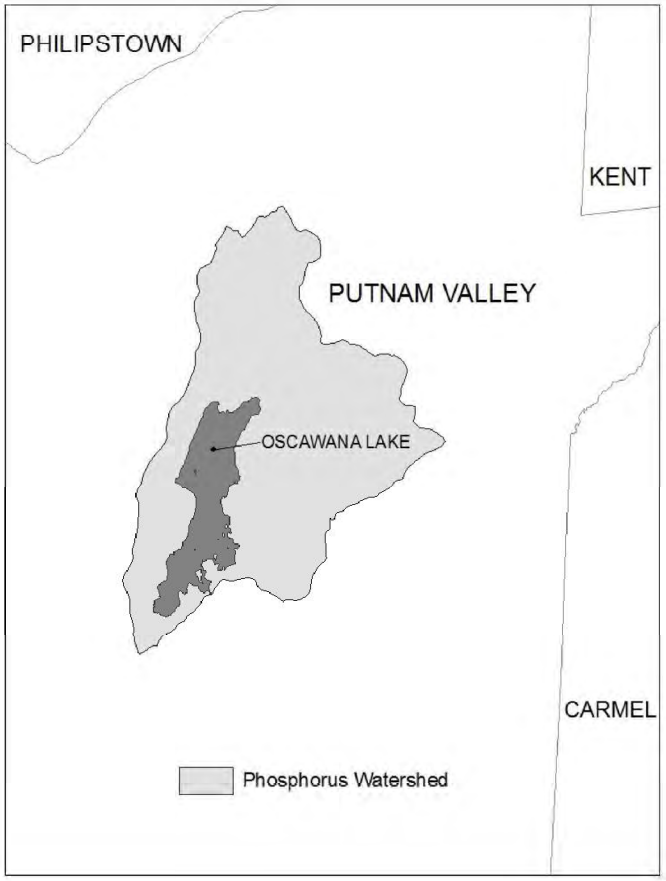
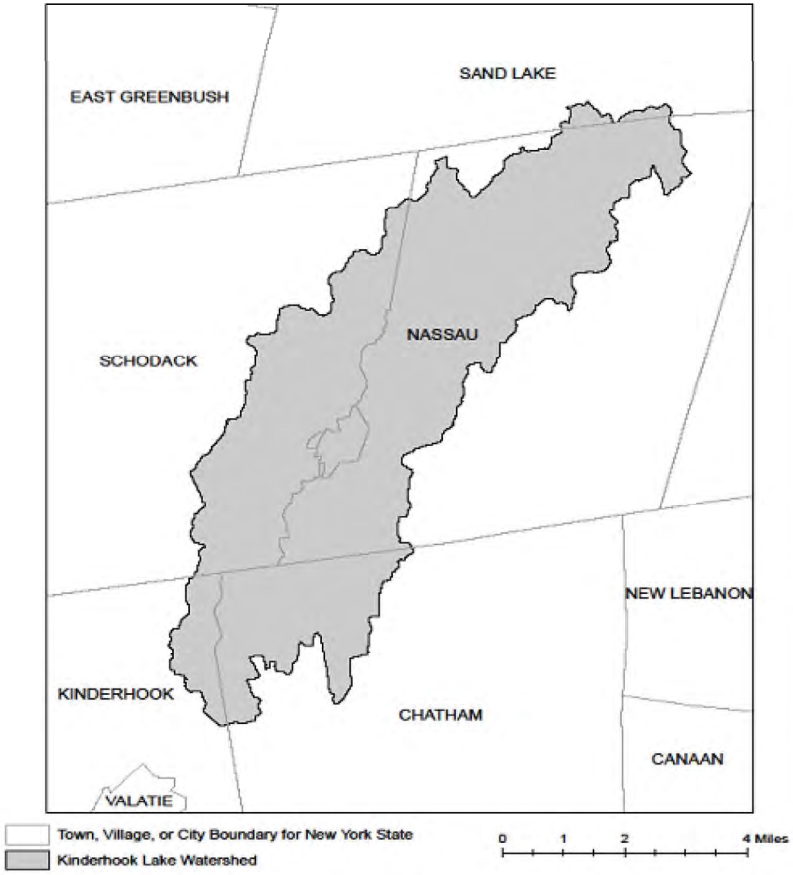


**Figure 5 - Kinderhook Lake Watershed**








## APPENDIX D – Watersheds with Lower Disturbance Threshold

**Watersheds where *owners or operators* of construction activities that involve soil disturbances between five thousand (5000) square feet and one (1) acre of land must obtain coverage under this permit.**

| |
|---|
| Entire New York City Watershed that is located east of the Hudson River - See Figure 1 in Appendix C |

## APPENDIX E – 303(d) Segments Impaired by Construction Related Pollutant(s)

List of 303(d) segments impaired by pollutants related to *construction activity* (e.g. silt, sediment or nutrients). The list was developed using "The Final New York State 2016 Section 303(d) List of Impaired Waters Requiring a TMDL/Other Strategy" dated November 2016. *Owners or operators* of single family home and single family residential subdivisions with 25% or less total impervious cover at total site build-out that involve soil disturbances of one or more acres of land, but less than 5 acres, and *directly discharge* to one of the listed segments below shall prepare a SWPPP that includes post-construction stormwater management practices designed in conformance with the New York State Stormwater Management Design Manual ("Design Manual"), dated January 2015.

| COUNTY | WATERBODY | POLLUTANT |
|---|---|---|
| Albany | Ann Lee (Shakers) Pond, Stump Pond | Nutrients |
| Albany | Basic Creek Reservoir | Nutrients |
| Allegany | Amity Lake, Saunders Pond | Nutrients |
| Bronx | Long Island Sound, Bronx | Nutrients |
| Bronx | Van Cortlandt Lake | Nutrients |
| Broome | Fly Pond, Deer Lake, Sky Lake | Nutrients |
| Broome | Minor Tribs to Lower Susquehanna (north) | Nutrients |
| Broome | Whitney Point Lake/Reservoir | Nutrients |
| Cattaraugus | Allegheny River/Reservoir | Nutrients |
| Cattaraugus | Beaver (Alma) Lake | Nutrients |
| Cattaraugus | Case Lake | Nutrients |
| Cattaraugus | Linlyco/Club Pond | Nutrients |
| Cayuga | Duck Lake | Nutrients |
| Cayuga | Little Sodus Bay | Nutrients |
| Chautauqua | Bear Lake | Nutrients |
| Chautauqua | Chadakoin River and tribs | Nutrients |
| Chautauqua | Chautauqua Lake, North | Nutrients |
| Chautauqua | Chautauqua Lake, South | Nutrients |
| Chautauqua | Findley Lake | Nutrients |
| Chautauqua | Hulburt/Clymer Pond | Nutrients |
| Clinton | Great Chazy River, Lower, Main Stem | Silt/Sediment |
| Clinton | Lake Champlain, Main Lake, Middle | Nutrients |
| Clinton | Lake Champlain, Main Lake, North | Nutrients |
| Columbia | Kinderhook Lake | Nutrients |
| Columbia | Robinson Pond | Nutrients |
| Cortland | Dean Pond | Nutrients |





| | | |
|---|---|---|
| Dutchess | Fall Kill and tribs | Nutrients |
| Dutchess | Hillside Lake | Nutrients |
| Dutchess | Wappingers Lake | Nutrients |
| Dutchess | Wappingers Lake | Silt/Sediment |
| Erie | Beeman Creek and tribs | Nutrients |
| Erie | Ellicott Creek, Lower, and tribs | Silt/Sediment |
| Erie | Ellicott Creek, Lower, and tribs | Nutrients |
| Erie | Green Lake | Nutrients |
| Erie | Little Sister Creek, Lower, and tribs | Nutrients |
| Erie | Murder Creek, Lower, and tribs | Nutrients |
| Erie | Rush Creek and tribs | Nutrients |
| Erie | Scajaquada Creek, Lower, and tribs | Nutrients |
| Erie | Scajaquada Creek, Middle, and tribs | Nutrients |
| Erie | Scajaquada Creek, Upper, and tribs | Nutrients |
| Erie | South Branch Smoke Cr, Lower, and tribs | Silt/Sediment |
| Erie | South Branch Smoke Cr, Lower, and tribs | Nutrients |
| Essex | Lake Champlain, Main Lake, South | Nutrients |
| Essex | Lake Champlain, South Lake | Nutrients |
| Essex | Willsboro Bay | Nutrients |
| Genesee | Bigelow Creek and tribs | Nutrients |
| Genesee | Black Creek, Middle, and minor tribs | Nutrients |
| Genesee | Black Creek, Upper, and minor tribs | Nutrients |
| Genesee | Bowen Brook and tribs | Nutrients |
| Genesee | LeRoy Reservoir | Nutrients |
| Genesee | Oak Orchard Cr, Upper, and tribs | Nutrients |
| Genesee | Tonawanda Creek, Middle, Main Stem | Nutrients |
| Greene | Schoharie Reservoir | Silt/Sediment |
| Greene | Sleepy Hollow Lake | Silt/Sediment |
| Herkimer | Steele Creek tribs | Silt/Sediment |
| Herkimer | Steele Creek tribs | Nutrients |
| Jefferson | Moon Lake | Nutrients |
| Kings | Hendrix Creek | Nutrients |
| Kings | Prospect Park Lake | Nutrients |
| Lewis | Mill Creek/South Branch, and tribs | Nutrients |
| Livingston | Christie Creek and tribs | Nutrients |
| Livingston | Conesus Lake | Nutrients |
| Livingston | Mill Creek and minor tribs | Silt/Sediment |
| Monroe | Black Creek, Lower, and minor tribs | Nutrients |
| Monroe | Buck Pond | Nutrients |
| Monroe | Cranberry Pond | Nutrients |

## 303(d) Segments Impaired by Construction Related Pollutant(s)

| | | |
|---|---|---|
| Monroe | Lake Ontario Shoreline, Western | Nutrients |
| Monroe | Long Pond | Nutrients |
| Monroe | Mill Creek and tribs | Nutrients |
| Monroe | Mill Creek/Blue Pond Outlet and tribs | Nutrients |
| Monroe | Minor Tribs to Irondequoit Bay | Nutrients |
| Monroe | Rochester Embayment - East | Nutrients |
| Monroe | Rochester Embayment - West | Nutrients |
| Monroe | Shipbuilders Creek and tribs | Nutrients |
| Monroe | Thomas Creek/White Brook and tribs | Nutrients |
| Nassau | Beaver Lake | Nutrients |
| Nassau | Camaans Pond | Nutrients |
| Nassau | East Meadow Brook, Upper, and tribs | Silt/Sediment |
| Nassau | East Rockaway Channel | Nutrients |
| Nassau | Grant Park Pond | Nutrients |
| Nassau | Hempstead Bay | Nutrients |
| Nassau | Hempstead Lake | Nutrients |
| Nassau | Hewlett Bay | Nutrients |
| Nassau | Hog Island Channel | Nutrients |
| Nassau | Long Island Sound, Nassau County Waters | Nutrients |
| Nassau | Massapequa Creek and tribs | Nutrients |
| Nassau | Milburn/Parsonage Creeks, Upp, and tribs | Nutrients |
| Nassau | Reynolds Channel, west | Nutrients |
| Nassau | Tidal Tribs to Hempstead Bay | Nutrients |
| Nassau | Tribs (fresh) to East Bay | Nutrients |
| Nassau | Tribs (fresh) to East Bay | Silt/Sediment |
| Nassau | Tribs to Smith/Halls Ponds | Nutrients |
| Nassau | Woodmere Channel | Nutrients |
| New York | Harlem Meer | Nutrients |
| New York | The Lake in Central Park | Nutrients |
| Niagara | Bergholtz Creek and tribs | Nutrients |
| Niagara | Hyde Park Lake | Nutrients |
| Niagara | Lake Ontario Shoreline, Western | Nutrients |
| Niagara | Lake Ontario Shoreline, Western | Nutrients |
| Oneida | Ballou, Nail Creeks and tribs | Nutrients |
| Onondaga | Harbor Brook, Lower, and tribs | Nutrients |
| Onondaga | Ley Creek and tribs | Nutrients |
| Onondaga | Minor Tribs to Onondaga Lake | Nutrients |
| Onondaga | Ninemile Creek, Lower, and tribs | Nutrients |
| Onondaga | Onondaga Creek, Lower, and tribs | Nutrients |
| Onondaga | Onondaga Creek, Middle, and tribs | Nutrients |



303(d) Segments Impaired by Construction Related Pollutant(s)

| | | |
|---|---|---|
| Onondaga | Onondaga Lake, northern end | Nutrients |
| Onondaga | Onondaga Lake, southern end | Nutrients |
| Ontario | Great Brook and minor tribs | Silt/Sediment |
| Ontario | Great Brook and minor tribs | Nutrients |
| Ontario | Hemlock Lake Outlet and minor tribs | Nutrients |
| Ontario | Honeoye Lake | Nutrients |
| Orange | Greenwood Lake | Nutrients |
| Orange | Monhagen Brook and tribs | Nutrients |
| Orange | Orange Lake | Nutrients |
| Orleans | Lake Ontario Shoreline, Western | Nutrients |
| Orleans | Lake Ontario Shoreline, Western | Nutrients |
| Oswego | Lake Neatahwanta | Nutrients |
| Oswego | Pleasant Lake | Nutrients |
| Putnam | Bog Brook Reservoir | Nutrients |
| Putnam | Boyd Corners Reservoir | Nutrients |
| Putnam | Croton Falls Reservoir | Nutrients |
| Putnam | Diverting Reservoir | Nutrients |
| Putnam | East Branch Reservoir | Nutrients |
| Putnam | Lake Carmel | Nutrients |
| Putnam | Middle Branch Reservoir | Nutrients |
| Putnam | Oscawana Lake | Nutrients |
| Putnam | Palmer Lake | Nutrients |
| Putnam | West Branch Reservoir | Nutrients |
| Queens | Bergen Basin | Nutrients |
| Queens | Flushing Creek/Bay | Nutrients |
| Queens | Jamaica Bay, Eastern, and tribs (Queens) | Nutrients |
| Queens | Kissena Lake | Nutrients |
| Queens | Meadow Lake | Nutrients |
| Queens | Willow Lake | Nutrients |
| Rensselaer | Nassau Lake | Nutrients |
| Rensselaer | Snyders Lake | Nutrients |
| Richmond | Grasmere Lake/Bradys Pond | Nutrients |
| Rockland | Congers Lake, Swartout Lake | Nutrients |
| Rockland | Rockland Lake | Nutrients |
| Saratoga | Ballston Lake | Nutrients |
| Saratoga | Dwaas Kill and tribs | Silt/Sediment |
| Saratoga | Dwaas Kill and tribs | Nutrients |
| Saratoga | Lake Lonely | Nutrients |
| Saratoga | Round Lake | Nutrients |
| Saratoga | Tribs to Lake Lonely | Nutrients |

## 303(d) Segments Impaired by Construction Related Pollutant(s)

| | | |
|---|---|---|
| Schenectady | Collins Lake | Nutrients |
| Schenectady | Duane Lake | Nutrients |
| Schenectady | Mariaville Lake | Nutrients |
| Schoharie | Engleville Pond | Nutrients |
| Schoharie | Summit Lake | Nutrients |
| Seneca | Reeder Creek and tribs | Nutrients |
| St.Lawrence | Black Lake Outlet/Black Lake | Nutrients |
| St.Lawrence | Fish Creek and minor tribs | Nutrients |
| Steuben | Smith Pond | Nutrients |
| Suffolk | Agawam Lake | Nutrients |
| Suffolk | Big/Little Fresh Ponds | Nutrients |
| Suffolk | Canaan Lake | Silt/Sediment |
| Suffolk | Canaan Lake | Nutrients |
| Suffolk | Flanders Bay, West/Lower Sawmill Creek | Nutrients |
| Suffolk | Fresh Pond | Nutrients |
| Suffolk | Great South Bay, East | Nutrients |
| Suffolk | Great South Bay, Middle | Nutrients |
| Suffolk | Great South Bay, West | Nutrients |
| Suffolk | Lake Ronkonkoma | Nutrients |
| Suffolk | Long Island Sound, Suffolk County, West | Nutrients |
| Suffolk | Mattituck (Marratooka) Pond | Nutrients |
| Suffolk | Meetinghouse/Terrys Creeks and tribs | Nutrients |
| Suffolk | Mill and Seven Ponds | Nutrients |
| Suffolk | Millers Pond | Nutrients |
| Suffolk | Moriches Bay, East | Nutrients |
| Suffolk | Moriches Bay, West | Nutrients |
| Suffolk | Peconic River, Lower, and tidal tribs | Nutrients |
| Suffolk | Quantuck Bay | Nutrients |
| Suffolk | Shinnecock Bay and Inlet | Nutrients |
| Suffolk | Tidal tribs to West Moriches Bay | Nutrients |
| Sullivan | Bodine, Montgomery Lakes | Nutrients |
| Sullivan | Davies Lake | Nutrients |
| Sullivan | Evens Lake | Nutrients |
| Sullivan | Pleasure Lake | Nutrients |
| Tompkins | Cayuga Lake, Southern End | Nutrients |
| Tompkins | Cayuga Lake, Southern End | Silt/Sediment |
| Tompkins | Owasco Inlet, Upper, and tribs | Nutrients |
| Ulster | Ashokan Reservoir | Silt/Sediment |
| Ulster | Esopus Creek, Upper, and minor tribs | Silt/Sediment |
| Warren | Hague Brook and tribs | Silt/Sediment |



## 303(d) Segments Impaired by Construction Related Pollutant(s)

| | | |
|---|---|---|
| Warren | Huddle/Finkle Brooks and tribs | Silt/Sediment |
| Warren | Indian Brook and tribs | Silt/Sediment |
| Warren | Lake George | Silt/Sediment |
| Warren | Tribs to L.George, Village of L George | Silt/Sediment |
| Washington | Cossayuna Lake | Nutrients |
| Washington | Lake Champlain, South Bay | Nutrients |
| Washington | Tribs to L.George, East Shore | Silt/Sediment |
| Washington | Wood Cr/Champlain Canal and minor tribs | Nutrients |
| Wayne | Port Bay | Nutrients |
| Westchester | Amawalk Reservoir | Nutrients |
| Westchester | Blind Brook, Upper, and tribs | Silt/Sediment |
| Westchester | Cross River Reservoir | Nutrients |
| Westchester | Lake Katonah | Nutrients |
| Westchester | Lake Lincolndale | Nutrients |
| Westchester | Lake Meahagh | Nutrients |
| Westchester | Lake Mohegan | Nutrients |
| Westchester | Lake Shenorock | Nutrients |
| Westchester | Long Island Sound, Westchester (East) | Nutrients |
| Westchester | Mamaroneck River, Lower | Silt/Sediment |
| Westchester | Mamaroneck River, Upper, and minor tribs | Silt/Sediment |
| Westchester | Muscoot/Upper New Croton Reservoir | Nutrients |
| Westchester | New Croton Reservoir | Nutrients |
| Westchester | Peach Lake | Nutrients |
| Westchester | Reservoir No.1 (Lake Isle) | Nutrients |
| Westchester | Saw Mill River, Lower, and tribs | Nutrients |
| Westchester | Saw Mill River, Middle, and tribs | Nutrients |
| Westchester | Sheldrake River and tribs | Silt/Sediment |
| Westchester | Sheldrake River and tribs | Nutrients |
| Westchester | Silver Lake | Nutrients |
| Westchester | Teatown Lake | Nutrients |
| Westchester | Titicus Reservoir | Nutrients |
| Westchester | Truesdale Lake | Nutrients |
| Westchester | Wallace Pond | Nutrients |
| Wyoming | Java Lake | Nutrients |
| Wyoming | Silver Lake | Nutrients |

## APPENDIX F – List of NYS DEC Regional Offices

| Region | Covering the following counties: | DIVISION OF ENVIRONMENTAL PERMITS (DEP) Permit Administrators | DIVISION OF WATER (DOW) Water (SPDES) Program |
|---|---|---|---|
| 1 | Nassau and Suffolk | 50 Circle Road<br>Stony Brook, NY 11790<br>Tel. (631) 444-0365 | 50 Circle Road<br>Stony Brook, NY 11790-3409<br>Tel. (631) 444-0405 |
| 2 | Bronx, Kings, New York, Queens and Richmond | 1 Hunters Point Plaza,<br>47-40 21st St.<br>Long Island City, NY 11101-5407<br>Tel. (718) 482-4997 | 1 Hunters Point Plaza,<br>47-40 21st St.<br>Long Island City, NY 11101-5407<br>Tel. (718) 482-4933 |
| 3 | Dutchess, Orange, Putnam, Rockland, Sullivan, Ulster and Westchester | 21 South Putt Corners Road<br>New Paltz, NY 12561-1696<br>Tel. (845) 256-3059 | 100 Hillside Avenue, Suite 1w<br>White Plains, NY 10603<br>Tel. (914) 428 - 2505 |
| 4 | Albany, Columbia, Delaware, Greene, Montgomery, Otsego, Rensselaer, Schenectady and Schoharie | 1150 North Westcott Road<br>Schenectady, NY 12306-2014<br>Tel. (518) 357-2069 | 1130 North Westcott Road<br>Schenectady, NY 12306-2014<br>Tel. (518) 357-2045 |
| 5 | Clinton, Essex, Franklin, Fulton, Hamilton, Saratoga, Warren and Washington | 1115 State Route 86, Po Box 296<br>Ray Brook, NY 12977-0296<br>Tel. (518) 897-1234 | 232 Golf Course Road<br>Warrensburg, NY 12885-1172 Tel. (518) 623-1200 |
| 6 | HERKIMER, JEFFERSON, LEWIS, ONEIDA AND ST. LAWRENCE | STATE OFFICE BUILDING<br>317 WASHINGTON STREET<br>WATERTOWN, NY 13601-3787<br>TEL. (315) 785-2245 | STATE OFFICE BUILDING<br>207 GENESEE STREET<br>UTICA, NY 13501-2885 TEL. (315) 793-2554 |
| 7 | BROOME, CAYUGA, CHENANGO, CORTLAND, MADISON, ONONDAGA, OSWEGO, TIOGA AND TOMPKINS | 615 ERIE BLVD. WEST<br>SYRACUSE, NY 13204-2400<br>TEL. (315) 426-7438 | 615 ERIE BLVD. WEST<br>SYRACUSE, NY 13204-2400<br>TEL. (315) 426-7500 |
| 8 | CHEMUNG, GENESEE, LIVINGSTON, MONROE, ONTARIO, ORLEANS, SCHUYLER, SENECA, STEUBEN, WAYNE AND YATES | 6274 EAST AVON-LIMA<br>ROADAVON, NY 14414-9519<br>TEL. (585) 226-2466 | 6274 EAST AVON-LIMA RD.<br>AVON, NY 14414-9519<br>TEL. (585) 226-2466 |
| 9 | ALLEGANY, CATTARAUGUS, CHAUTAUQUA, ERIE, NIAGARA AND WYOMING | 270 MICHIGAN AVENUE<br>BUFFALO, NY 14203-2999<br>TEL. (716) 851-7165 | 270 MICHIGAN AVENUE<br>BUFFALO, NY 14203-2999<br>TEL. (716) 851-7070 |

# Appendix B:
# NYSDEC Forms

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# NOTICE OF INTENT

**New York State Department of Environmental Conservation**
**Division of Water**
**625 Broadway, 4th Floor**
**Albany, New York 12233-3505**

NYR _____
(for DEC use only)

**Stormwater Discharges Associated with Construction Activity Under State Pollutant Discharge Elimination System (SPDES) General Permit # GP-0-20-001**

**All sections must be completed unless otherwise noted**. Failure to complete all items may result in this form being returned to you, thereby delaying your coverage under this General Permit. Applicants must read and understand the conditions of the permit and prepare a Stormwater Pollution Prevention Plan prior to submitting this NOI. Applicants are responsible for identifying and obtaining other DEC permits that may be required.

## -IMPORTANT-
## RETURN THIS FORM TO THE ADDRESS ABOVE

**OWNER/OPERATOR MUST SIGN FORM**

**Owner/Operator Information**

Owner/Operator (Company Name/Private Owner Name/Municipality Name)
Northside Junction, LLC

Owner/Operator Contact Person Last Name (NOT CONSULTANT)
Alsup

Owner/Operator Contact Person First Name
Caroline

Owner/Operator Mailing Address
1 Civic Center Plaza #200

City
Poughkeepsie

State: NY
Zip: 12601-____

Phone (Owner/Operator): 845-473-4440
Fax (Owner/Operator): ___-___-____

Email (Owner/Operator)
calsup@scenichudson.com

FED TAX ID
__-_____ (not required for individuals)

**Project Site Information**

Project/Site Name
Scenic Hudson Workspace

Street Address (NOT P.O. BOX)
58 Parker Ave

Side of Street
● **North** ○ **South** ○ **East** ○ **West**

City/Town/Village (THAT ISSUES BUILDING PERMIT)
City of Poughkeepsie

State: NY
Zip: 12601-
County: Dutchess
DEC Region:

Name of Nearest Cross Street
Garden Street

Distance to Nearest Cross Street (Feet)
320

Project In Relation to Cross Street
○ **North** ○ **South** ● **East** ○ **West**

Tax Map Numbers
Section-Block-Parcel
6162-62-148369

Tax Map Numbers
131300

1. Provide the Geographic Coordinates for the project site in NYTM Units. To do this you **must** go to the NYSDEC Stormwater Interactive Map on the DEC website at:

**www.dec.ny.gov/imsmaps/stormwater/viewer.htm**

Zoom into your Project Location such that you can accurately click on the centroid of your site. Once you have located your project site, go to the tool boxes on the top and choose "i"(identify). Then click on the center of your site and a new window containing the X, Y coordinates in UTM will pop up. Transcribe these coordinates into the boxes below. For problems with the interactive map use the help function.

**X Coordinates (Easting)**: 589212

**Y Coordinates (Northing)**: 4664422334411

2. What is the nature of this construction project?

○ **New Construction**

○ **Redevelopment with increase in impervious area**

● **Redevelopment with no increase in impervious area**

3. Select the predominant land use for both pre and post development conditions.
**SELECT ONLY ONE CHOICE FOR EACH**

**Pre-Development Existing Land Use**

- ○ FOREST
- ○ PASTURE/OPEN LAND
- ○ CULTIVATED LAND
- ○ SINGLE FAMILY HOME
- ○ SINGLE FAMILY SUBDIVISION
- ○ TOWN HOME RESIDENTIAL
- ○ MULTIFAMILY RESIDENTIAL
- ○ INSTITUTIONAL/SCHOOL
- ○ INDUSTRIAL
- ○ COMMERCIAL
- ○ ROAD/HIGHWAY
- ○ RECREATIONAL/SPORTS FIELD
- ○ BIKE PATH/TRAIL
- ○ LINEAR UTILITY
- ○ PARKING LOT
- ● OTHER

Parking/Storage

**Post-Development Future Land Use**

- ○ SINGLE FAMILY HOME
- ○ SINGLE FAMILY SUBDIVISION — Number of Lots
- ○ TOWN HOME RESIDENTIAL
- ○ MULTIFAMILY RESIDENTIAL
- ○ INSTITUTIONAL/SCHOOL
- ○ INDUSTRIAL
- ○ COMMERCIAL
- ○ MUNICIPAL
- ○ ROAD/HIGHWAY
- ○ RECREATIONAL/SPORTS FIELD
- ○ BIKE PATH/TRAIL
- ○ LINEAR UTILITY (water, sewer, gas, etc.)
- ○ PARKING LOT
- ○ CLEARING/GRADING ONLY
- ○ DEMOLITION, NO REDEVELOPMENT
- ○ WELL DRILLING ACTIVITY *(Oil, Gas, etc.)
- ● OTHER

Parking/Commerc

***Note**: for gas well drilling, non-high volume hydraulic fractured wells only

4. In accordance with the larger common plan of development or sale, enter the total project site area; the total area to be disturbed; existing impervious area to be disturbed (for redevelopment activities); and the future impervious area constructed within the disturbed area. (Round to the nearest tenth of an acre.)

| Total Site Area | Total Area To Be Disturbed | Existing Impervious Area To Be Disturbed | Future Impervious Area Within Disturbed Area |
|---|---|---|---|
| 4.2 | 2.9 | 1.2 | 2.6 |

5. Do you plan to disturb more than 5 acres of soil at any one time? ○ **Yes** ● **No**

6. Indicate the percentage of each Hydrologic Soil Group(HSG) at the site.

| A | B | C | D |
|---|---|---|---|
| 0% | 0% | 0% | 100% |

7. Is this a phased project? ○ **Yes** ● **No**

8. Enter the planned start and end dates of the disturbance activities.

**Start Date** / / — **End Date** / /

9. Identify the nearest surface waterbody(ies) to which construction site runoff will discharge.

Name

Fishkill Creek

9a. Type of waterbody identified in Question 9?

- ○ Wetland / State Jurisdiction On Site (Answer 9b)
- ○ Wetland / State Jurisdiction Off Site
- ○ Wetland / Federal Jurisdiction On Site (Answer 9b)
- ○ Wetland / Federal Jurisdiction Off Site
- ○ Stream / Creek On Site
- ● Stream / Creek Off Site
- ○ River On Site
- ○ River Off Site
- ○ Lake On Site
- ○ Lake Off Site
- ○ Other Type On Site
- ○ Other Type Off Site

9b. How was the wetland identified?

- ○ Regulatory Map
- ○ Delineated by Consultant
- ○ Delineated by Army Corps of Engineers
- ○ Other (identify)

10. Has the surface waterbody(ies) in question 9 been identified as a 303(d) segment in Appendix E of GP-0-20-001? ● **Yes** ○ **No**

11. Is this project located in one of the Watersheds identified in Appendix C of GP-0-20-001? ○ **Yes** ● **No**

12. Is the project located in one of the watershed areas associated with AA and AA-S classified waters? ○ **Yes** ● **No**
**If no, skip question 13.**

13. Does this construction activity disturb land with no existing impervious cover and where the Soil Slope Phase is identified as an E or F on the USDA Soil Survey? ○ **Yes** ○ **No**
**If Yes, what is the acreage to be disturbed?**

14. Will the project disturb soils within a State regulated wetland or the protected 100 foot adjacent area? ○ **Yes** ● **No**

15. Does the site runoff enter a separate storm sewer system (including roadside drains, swales, ditches, culverts, etc)? ◉ **Yes** ○ **No** ○ **Unknown**

16. What is the name of the municipality/entity that owns the separate storm sewer system?

City of Poughkeepsie

17. Does any runoff from the site enter a sewer classified as a Combined Sewer? ◉ **Yes** ○ **No** ○ **Unknown**

18. Will future use of this site be an agricultural property as defined by the NYS Agriculture and Markets Law? ○ **Yes** ◉ **No**

19. Is this property owned by a state authority, state agency, federal government or local government? ◉ **Yes** ○ **No**

20. Is this a remediation project being done under a Department approved work plan? (i.e. CERCLA, RCRA, Voluntary Cleanup Agreement, etc.) ○ **Yes** ○ **No**

21. Has the required Erosion and Sediment Control component of the SWPPP been developed in conformance with the current NYS Standards and Specifications for Erosion and Sediment Control (aka Blue Book)? ◉ **Yes** ○ **No**

22. Does this construction activity require the development of a SWPPP that includes the post-construction stormwater management practice component (i.e. Runoff Reduction, Water Quality and Quantity Control practices/techniques)? ◉ **Yes** ○ **No**
**If No, skip questions 23 and 27-39.**

23. Has the post-construction stormwater management practice component of the SWPPP been developed in conformance with the current NYS Stormwater Management Design Manual? ◉ **Yes** ○ **No**

24. The Stormwater Pollution Prevention Plan (SWPPP) was prepared by:

- ● **Professional Engineer (P.E.)**
- ○ **Soil and Water Conservation District (SWCD)**
- ○ **Registered Landscape Architect (R.L.A)**
- ○ **Certified Professional in Erosion and Sediment Control (CPESC)**
- ○ **Owner/Operator**
- ○ **Other**

SWPPP Preparer
The Chazen Companies

Contact Name (Last, Space, First)
Lapine Christopher

Mailing Address
21 Fox Street

City
Poughkeepsie

State Zip
NY 12601-

Phone
845-454-3980

Fax

Email
clapine@chazencompanies.com

**SWPPP Preparer Certification**

I hereby certify that the Stormwater Pollution Prevention Plan (SWPPP) for this project has been prepared in accordance with the terms and conditions of the GP-0-20-001. Furthermore, I understand that certifying false, incorrect or inaccurate information is a violation of this permit and the laws of the State of New York and could subject me to criminal, civil and/or administrative proceedings.

**First Name**
Christopher

**MI**

**Last Name**
Lapine

**Signature**

**Date** / /

25. Has a construction sequence schedule for the planned management practices been prepared? ● Yes ○ No

26. Select **all** of the erosion and sediment control practices that will be employed on the project site:

## Temporary Structural

- ● Check Dams
- ○ Construction Road Stabilization
- ● Dust Control
- ○ Earth Dike
- ○ Level Spreader
- ○ Perimeter Dike/Swale
- ○ Pipe Slope Drain
- ○ Portable Sediment Tank
- ○ Rock Dam
- ○ Sediment Basin
- ○ Sediment Traps
- ● Silt Fence
- ● Stabilized Construction Entrance
- ● Storm Drain Inlet Protection
- ○ Straw/Hay Bale Dike
- ○ Temporary Access Waterway Crossing
- ○ Temporary Stormdrain Diversion
- ○ Temporary Swale
- ○ Turbidity Curtain
- ○ Water bars

## Biotechnical

- ○ Brush Matting
- ○ Wattling

## Vegetative Measures

- ○ Brush Matting
- ○ Dune Stabilization
- ○ Grassed Waterway
- ○ Mulching
- ○ Protecting Vegetation
- ○ Recreation Area Improvement
- ● Seeding
- ○ Sodding
- ● Straw/Hay Bale Dike
- ○ Streambank Protection
- ○ Temporary Swale
- ● Topsoiling
- ○ Vegetating Waterways

## Permanent Structural

- ○ Debris Basin
- ○ Diversion
- ○ Grade Stabilization Structure
- ○ Land Grading
- ○ Lined Waterway (Rock)
- ○ Paved Channel (Concrete)
- ○ Paved Flume
- ○ Retaining Wall
- ○ Riprap Slope Protection
- ● Rock Outlet Protection
- ○ Streambank Protection

**Other**

**Post-construction Stormwater Management Practice (SMP) Requirements**

**Important: Completion of Questions 27-39 is not required if response to Question 22 is No.**

27. Identify all site planning practices that were used to prepare the final site plan/layout for the project.

- ○ **Preservation of Undisturbed Areas**
- ○ **Preservation of Buffers**
- ○ **Reduction of Clearing and Grading**
- ○ **Locating Development in Less Sensitive Areas**
- ○ **Roadway Reduction**
- ● **Sidewalk Reduction**
- ○ **Driveway Reduction**
- ○ **Cul-de-sac Reduction**
- ● **Building Footprint Reduction**
- ○ **Parking Reduction**

27a. Indicate which of the following soil restoration criteria was used to address the requirements in Section 5.1.6("Soil Restoration") of the Design Manual (2010 version).

- ● All disturbed areas will be restored in accordance with the Soil Restoration requirements in Table 5.3 of the Design Manual (see page 5-22).
- ○ Compacted areas were considered as impervious cover when calculating the **WQv Required**, and the compacted areas were assigned a post-construction Hydrologic Soil Group (HSG) designation that is one level less permeable than existing conditions for the hydrology analysis.

28. Provide the total Water Quality Volume (WQv) required for this project (based on final site plan/layout).

**Total WQv Required**

0.142 **acre-feet**

29. Identify the RR techniques (Area Reduction), RR techniques(Volume Reduction) and Standard SMPs with RRv Capacity in Table 1 (See Page 9) that were used to reduce the Total WQv Required(#28).

Also, provide in Table 1 the total impervious area that contributes runoff to each technique/practice selected. For the Area Reduction Techniques, provide the total contributing area (includes pervious area) and, if applicable, the total impervious area that contributes runoff to the technique/practice.

**Note:** Redevelopment projects shall use Tables 1 and 2 to identify the SMPs used to treat and/or reduce the WQv required. If runoff reduction techniques will not be used to reduce the required WQv, skip to question 33a after identifying the SMPs.

**Table 1 - Runoff Reduction (RR) Techniques and Standard Stormwater Management Practices (SMPs)**

| | Total Contributing Area (acres) | | Total Contributing Impervious Area(acres) |
|---|---|---|---|
| **RR Techniques (Area Reduction)** | | | |
| ○ Conservation of Natural Areas (RR-1) | | and/or | |
| ○ Sheetflow to Riparian Buffers/Filters Strips (RR-2) | | and/or | |
| ○ Tree Planting/Tree Pit (RR-3) | | and/or | |
| ○ Disconnection of Rooftop Runoff (RR-4) | | and/or | |
| **RR Techniques (Volume Reduction)** | | | |
| ○ Vegetated Swale (RR-5) | | | |
| ○ Rain Garden (RR-6) | | | |
| ○ Stormwater Planter (RR-7) | | | |
| ○ Rain Barrel/Cistern (RR-8) | | | |
| ○ Porous Pavement (RR-9) | | | |
| ● Green Roof (RR-10) | | | 0.09 |
| **Standard SMPs with RRv Capacity** | | | |
| ○ Infiltration Trench (I-1) | | | |
| ○ Infiltration Basin (I-2) | | | |
| ○ Dry Well (I-3) | | | |
| ● Underground Infiltration System (I-4) | | | 0.09 |
| ● Bioretention (F-5) | | | 0.05 |
| ○ Dry Swale (O-1) | | | |
| **Standard SMPs** | | | |
| ○ Micropool Extended Detention (P-1) | | | |
| ○ Wet Pond (P-2) | | | |
| ○ Wet Extended Detention (P-3) | | | |
| ○ Multiple Pond System (P-4) | | | |
| ○ Pocket Pond (P-5) | | | |
| ○ Surface Sand Filter (F-1) | | | |
| ○ Underground Sand Filter (F-2) | | | |
| ○ Perimeter Sand Filter (F-3) | | | |
| ○ Organic Filter (F-4) | | | |
| ○ Shallow Wetland (W-1) | | | |
| ○ Extended Detention Wetland (W-2) | | | |
| ○ Pond/Wetland System (W-3) | | | |
| ○ Pocket Wetland (W-4) | | | |
| ○ Wet Swale (O-2) | | | |

**Table 2 - Alternative SMPs (DO NOT INCLUDE PRACTICES BEING USED FOR PRETREATMENT ONLY)**

| Alternative SMP | Total Contributing Impervious Area(acres) |
|---|---|
| ● Hydrodynamic ..... | 1.12 |
| ○ Wet Vault ..... | |
| ○ Media Filter ..... | |
| ○ Other _____ ..... | |

Provide the name and manufacturer of the Alternative SMPs (i.e. proprietary practice(s)) being used for WQv treatment.

Name

Manufacturer

**Note**: Redevelopment projects which do not use RR techniques, shall use questions 28, 29, 33 and 33a to provide SMPs used, total WQv required and total WQv provided for the project.

30. Indicate the Total RRv provided by the RR techniques (Area/Volume Reduction) and Standard SMPs with RRv capacity identified in question 29.

**Total RRv provided**

0.024 **acre-feet**

31. Is the Total RRv provided (#30) greater than or equal to the total WQv required (#28).

○ **Yes** ● **No**

**If Yes, go to question 36.**
**If No, go to question 32.**

32. Provide the Minimum RRv required based on HSG.
[Minimum RRv Required = (P)(0.95)(Ai)/12, Ai=(S)(Aic)]

**Minimum RRv Required**

0.000 **acre-feet**

32a. Is the Total RRv provided (#30) greater than or equal to the Minimum RRv Required (#32)?

● **Yes** ○ **No**

**If Yes, go to question 33.**
**Note**: Use the space provided in question #39 to summarize the specific site limitations and justification for not reducing 100% of WQv required (#28). A detailed evaluation of the specific site limitations and justification for not reducing 100% of the WQv required (#28) must also be included in the SWPPP.
**If No, sizing criteria has not been met, so NOI can not be processed. SWPPP preparer must modify design to meet sizing criteria.**

33. Identify the Standard SMPs in Table 1 and, if applicable, the Alternative SMPs in Table 2 that were used to treat the remaining total WQv(=Total WQv Required in 28 - Total RRv Provided in 30).

Also, provide in Table 1 and 2 the total impervious area that contributes runoff to each practice selected.

**Note**: Use Tables 1 and 2 to identify the SMPs used on Redevelopment projects.

33a. Indicate the Total WQv provided (i.e. WQv treated) by the SMPs identified in question #33 and Standard SMPs with RRv Capacity identified in question 29.

**WQv Provided**

0.139 **acre-feet**

**Note**: For the standard SMPs with RRv capacity, the WQv provided by each practice = the WQv calculated using the contributing drainage area to the practice - RRv provided by the practice. (See Table 3.5 in Design Manual)

34. Provide the sum of the Total RRv provided (#30) and the WQv provided (#33a). 0.162

35. Is the sum of the RRv provided (#30) and the WQv provided (#33a) greater than or equal to the total WQv required (#28)? ● **Yes** ○ **No**

**If Yes, go to question 36.**
**If No, sizing criteria has not been met, so NOI can not be processed. SWPPP preparer must modify design to meet sizing criteria.**

36. Provide the total Channel Protection Storage Volume (CPv) required and provided or select waiver (36a), if applicable.

**CPv Required** . **acre-feet**

**CPv Provided** . **acre-feet**

36a. The need to provide channel protection has been waived because:

○ Site discharges directly to tidal waters or a fifth order or larger stream.

● Reduction of the total CPv is achieved on site through runoff reduction techniques or infiltration systems.

37. Provide the Overbank Flood (Qp) and Extreme Flood (Qf) control criteria or select waiver (37a), if applicable.

**Total Overbank Flood Control Criteria (Qp)**

**Pre-Development** 8.34 **CFS**

**Post-development** 8.14 **CFS**

**Total Extreme Flood Control Criteria (Qf)**

**Pre-Development** 15.40 **CFS**

**Post-development** 15.18 **CFS**

37a. The need to meet the Qp and Qf criteria has been waived because:

- ○ Site discharges directly to tidal waters or a fifth order or larger stream.
- ○ Downstream analysis reveals that the Qp and Qf controls are not required

38. Has a long term Operation and Maintenance Plan for the post-construction stormwater management practice(s) been developed? ● **Yes** ○ **No**

If Yes, Identify the entity responsible for the long term Operation and Maintenance

Northside Junction, LLC

39. Use this space to summarize the specific site limitations and justification for not reducing 100% of WQv required(#28). (See question 32a) This space can also be used for other pertinent project information.

40. Identify other DEC permits, existing and new, that are required for this project/facility.

- ○ Air Pollution Control
- ○ Coastal Erosion
- ○ Hazardous Waste
- ○ Long Island Wells
- ○ Mined Land Reclamation
- ○ Solid Waste
- ○ Navigable Waters Protection / Article 15
- ○ Water Quality Certificate
- ○ Dam Safety
- ○ Water Supply
- ○ Freshwater Wetlands/Article 24
- ○ Tidal Wetlands
- ○ Wild, Scenic and Recreational Rivers
- ○ Stream Bed or Bank Protection / Article 15
- ○ Endangered or Threatened Species(Incidental Take Permit)
- ○ Individual SPDES
- ○ SPDES Multi-Sector GP [N][Y][R][ ][ ][ ][ ][ ][ ]
- ○ Other [ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ]
- ● None

41. Does this project require a US Army Corps of Engineers Wetland Permit? ○ **Yes** ● **No**
**If Yes, Indicate Size of Impact.** [ ][ ][ ][ ][ ][ ].[ ]

42. Is this project subject to the requirements of a regulated, traditional land use control MS4? ● **Yes** ○ **No**
**(If No, skip question 43)**

43. Has the "MS4 SWPPP Acceptance" form been signed by the principal executive officer or ranking elected official and submitted along with this NOI? ● **Yes** ○ **No**

44. If this NOI is being submitted for the purpose of continuing or transferring coverage under a general permit for stormwater runoff from construction activities, please indicate the former SPDES number assigned. [N][Y][R][ ][ ][ ][ ][ ][ ]

## Owner/Operator Certification

I have read or been advised of the permit conditions and believe that I understand them. I also understand that, under the terms of the permit, there may be reporting requirements. I hereby certify that this document and the corresponding documents were prepared under my direction or supervision. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further understand that coverage under the general permit will be identified in the acknowledgment that I will receive as a result of submitting this NOI and can be as long as sixty (60) business days as provided for in the general permit. I also understand that, by submitting this NOI, I am acknowledging that the SWPPP has been developed and will be implemented as the first element of construction, and agreeing to comply with all the terms and conditions of the general permit for which this NOI is being submitted.

**Print First Name**

**MI**

**Print Last Name**

**Owner/Operator Signature**

**Date**

/ /

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

# Owner/Operator Certification Form

**SPDES General Permit For Stormwater Discharges From Construction Activity (GP-0-20-001)**

**Project/Site Name:** Scenic Hudson Workspace

**eNOI Submission Number:** _____

**eNOI Submitted by:** ☐ **Owner/Operator** ☑ **SWPPP Preparer** ☐ **Other**

## Certification Statement - Owner/Operator

I have read or been advised of the permit conditions and believe that I understand them. I also understand that, under the terms of the permit, there may be reporting requirements. I hereby certify that this document and the corresponding documents were prepared under my direction or supervision. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further understand that coverage under the general permit will be identified in the acknowledgment that I will receive as a result of submitting this NOI and can be as long as sixty (60) business days as provided for in the general permit. I also understand that, by submitting this NOI, I am acknowledging that the SWPPP has been developed and will be implemented as the first element of construction, and agreeing to comply with all the terms and conditions of the general permit for which this NOI is being submitted.

Owner/Operator First Name M.I. Last Name

_____

Signature

_____

Date

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

# SWPPP Preparer Certification Form

*SPDES General Permit for Stormwater Discharges From Construction Activity (GP-0-20-001)*

## Project Site Information

**Project/Site Name**

Scenic Hudson Workspace

## Owner/Operator Information

**Owner/Operator (Company Name/Private Owner/Municipality Name)**

## Certification Statement – SWPPP Preparer

I hereby certify that the Stormwater Pollution Prevention Plan (SWPPP) for this project has been prepared in accordance with the terms and conditions of the GP-0-20-001. Furthermore, I understand that certifying false, incorrect or inaccurate information is a violation of this permit and the laws of the State of New York and could subject me to criminal, civil and/or administrative proceedings.

First name | MI | Last Name

Signature | Date

Revised: January 2020

**NYS Department of Environmental Conservation**
**Division of Water**
**625 Broadway, 4th Floor**
**Albany, New York 12233-3505**

# MS4 Stormwater Pollution Prevention Plan (SWPPP) Acceptance Form

**for**

**Construction Activities Seeking Authorization Under SPDES General Permit**

*(NOTE: Attach Completed Form to Notice Of Intent and Submit to Address Above)

| | |
|---|---|
| **I. Project Owner/Operator Information** | |
| 1. Owner/Operator Name: | Northside Junction, LLC |
| 2. Contact Person: | Caroline Alsup |
| 3. Street Address: | 1 Civic Center Plaza #200 |
| 4. City/State/Zip: | Poughkeepsie, NY 12601 |
| **II. Project Site Information** | |
| 5. Project/Site Name: | Scenic Hudson HQ |
| 6. Street Address: | 58 Parker Ave |
| 7. City/State/Zip: | Poughkeepsie, NY 12601 |
| **III. Stormwater Pollution Prevention Plan (SWPPP) Review and Acceptance Information** | |
| 8. SWPPP Reviewed by: | Chris Lapine, P.E. |
| 9. Title/Position: | Director of Land Development |
| 10. Date Final SWPPP Reviewed and Accepted: | |
| **IV. Regulated MS4 Information** | |
| 11. Name of MS4: | City of Poughkeepsie |
| 12. MS4 SPDES Permit Identification Number: NYR20A | |
| 13. Contact Person: | Rich DuPilka |
| 14. Street Address: | 62 Civic Center Plaza |
| 15. City/State/Zip: | Poughkeepsie, NY 12601 |
| 16. Telephone Number: | 845-451-4192 |

## MS4 SWPPP Acceptance Form - continued

**V. Certification Statement - MS4 Official (principal executive officer or ranking elected official) or Duly Authorized Representative**

I hereby certify that the final Stormwater Pollution Prevention Plan (SWPPP) for the construction project identified in question 5 has been reviewed and meets the substantive requirements in the SPDES General Permit For Stormwater Discharges from Municipal Separate Storm Sewer Systems (MS4s). Note: The MS4, through the acceptance of the SWPPP, assumes no responsibility for the accuracy and adequacy of the design included in the SWPPP. In addition, review and acceptance of the SWPPP by the MS4 does not relieve the owner/operator or their SWPPP preparer of responsibility or liability for errors or omissions in the plan.

Printed Name:

Title/Position:

Signature:

Date:

**VI. Additional Information**

(NYS DEC - MS4 SWPPP Acceptance Form - January 2015)

**New York State Department of Environmental Conservation**
**Division of Water**
**625 Broadway, 4th Floor**
**Albany, New York 12233-3505**
***(NOTE: Submit completed form to address above)***

# NOTICE OF TERMINATION for Storm Water Discharges Authorized under the SPDES General Permit for Construction Activity

**Please indicate your permit identification number:** NYR ___ ___ ___ ___ ___ ___

**I. Owner or Operator Information**

1. Owner/Operator Name: **Northsdie Junction, LLC**

2. Street Address: **1 Civic Center Plaza #200**

3. City/State/Zip: **Poughkeepsie, NY 12601**

4. Contact Person**: Caroline Alsup** | 4a.Telephone: **845-473-4440**

4b. Contact Person E-Mail: **calsup@scenichudson.com**

**II. Project Site Information**

5. Project/Site Name: **Scenic Hudson Workspace**

6. Street Address: **58 Parker Ave**

7. City/Zip: **Poughkeepsie, NY 12601**

8. County: **Dutchess**

**III. Reason for Termination**

9a. □ All disturbed areas have achieved final stabilization in accordance with the general permit and SWPPP. ***Date final stabilization completed** (month/year): _____

9b. □ Permit coverage has been transferred to new owner/operator. Indicate new owner/operator's permit identification number: NYR ___ ___ ___ ___ ___ ___
(Note: Permit coverage can not be terminated by owner identified in I.1. above until new owner/operator obtains coverage under the general permit)

9c. □ Other (Explain on Page 2)

**IV. Final Site Information**:

10a. Did this construction activity require the development of a SWPPP that includes post-construction stormwater management practices? □ yes □ no ( If no, go to question 10f.)

10b. Have all post-construction stormwater management practices included in the final SWPPP been constructed? □ yes □ no (If no, explain on Page 2)

10c. Identify the entity responsible for long-term operation and maintenance of practice(s)?

_____

## NOTICE OF TERMINATION for Storm Water Discharges Authorized under the SPDES General Permit for Construction Activity - continued

10d. Has the entity responsible for long-term operation and maintenance been given a copy of the operation and maintenance plan required by the general permit? □ yes □ no

10e. Indicate the method used to ensure long-term operation and maintenance of the post-construction stormwater management practice(s):

□ Post-construction stormwater management practice(s) and any right-of-way(s) needed to maintain practice(s) have been deeded to the municipality.

□ Executed maintenance agreement is in place with the municipality that will maintain the post-construction stormwater management practice(s).

□ For post-construction stormwater management practices that are privately owned, a mechanism is in place that requires operation and maintenance of the practice(s) in accordance with the operation and maintenance plan, such as a deed covenant in the owner or operator's deed of record.

□ For post-construction stormwater management practices that are owned by a public or private institution (e.g. school, university or hospital), government agency or authority, or public utility; policy and procedures are in place that ensures operation and maintenance of the practice(s) in accordance with the operation and maintenance plan.

10f. Provide the total area of impervious surface (i.e. roof, pavement, concrete, gravel, etc.) constructed within the disturbance area? _____ (acres)

11. Is this project subject to the requirements of a regulated, traditional land use control MS4? □ yes □ no

(If Yes, complete section VI - "MS4 Acceptance" statement

**V. Additional Information/Explanation:**

(Use this section to answer questions 9c. and 10b., if applicable)

**VI. MS4 Acceptance - MS4 Official (principal executive officer or ranking elected official) or Duly Authorized Representative** (Note: Not required when 9b. is checked -transfer of coverage)

I have determined that it is acceptable for the owner or operator of the construction project identified in question 5 to submit the Notice of Termination at this time.

| | |
|---|---|
| Printed Name: | |
| Title/Position: | |
| Signature: | Date: |

## NOTICE OF TERMINATION for Storm Water Discharges Authorized under the SPDES General Permit for Construction Activity - continued

**VII. Qualified Inspector Certification - Final Stabilization**:

I hereby certify that all disturbed areas have achieved final stabilization as defined in the current version of the general permit, and that all temporary, structural erosion and sediment control measures have been removed. Furthermore, I understand that certifying false, incorrect or inaccurate information is a violation of the referenced permit and the laws of the State of New York and could subject me to criminal, civil and/or administrative proceedings.

| | |
|---|---|
| Printed Name: | |
| Title/Position: | |
| Signature: | Date: |

**VIII. Qualified Inspector Certification - Post-construction Stormwater Management Practice(s):**

I hereby certify that all post-construction stormwater management practices have been constructed in conformance with the SWPPP. Furthermore, I understand that certifying false, incorrect or inaccurate information is a violation of the referenced permit and the laws of the State of New York and could subject me to criminal, civil and/or administrative proceedings.

| | |
|---|---|
| Printed Name: | |
| Title/Position: | |
| Signature: | Date: |

**IX. Owner or Operator Certification**

I hereby certify that this document was prepared by me or under my direction or supervision. My determination, based upon my inquiry of the person(s) who managed the construction activity, or those persons directly responsible for gathering the information, is that the information provided in this document is true, accurate and complete. Furthermore, I understand that certifying false, incorrect or inaccurate information is a violation of the referenced permit and the laws of the State of New York and could subject me to criminal, civil and/or administrative proceedings.

| | |
|---|---|
| Printed Name: | |
| Title/Position: | |
| Signature: | Date: |

(NYS DEC Notice of Termination - January 2015)

# Appendix C:
# Contractor's Certification Form
# Subcontractor's Certification Form

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**Stormwater Pollution Prevention Plan**
**Contractor Certification Statement**
**(Responsible for overall SWPPP Compliance)**

Scenic Hudson Workspace
58 Parker Ave, City of Poughkeepsie, Dutchess County, New York

This is to certify that the following contracting firm will be responsible for installing, constructing, repairing, inspecting and/or maintaining the erosion and sediment control practices and post-construction stormwater management control practices required by the SWPPP.

**Contracting Firm Information**

Name: _____

Address: _____

Telephone & Fax: _____

**Trained Contractor(s)[1] Responsible for SWPPP Implementation (**Provide name, title, and date of last training)

_____

_____

**Prior to commencement of construction activity, the following certification shall be issued:**

I hereby certify under penalty of law that I understand and agree to comply with the terms and conditions of the SWPPP and agree to implement any corrective actions identified by the *qualified inspector* during a site inspection. I also understand that the *owner or operator* must comply with the terms and conditions of the most current version of the New York State Pollutant Discharge Elimination System ("SPDES") general permit for stormwater *discharges* from *construction activities* and that it is unlawful for any person to cause or contribute to a violation of *water quality standards*. Furthermore, I am aware that there are significant penalties for submitting false information, that I do not believe to be true, including the possibility of fine and imprisonment for knowing violations.

Printed Name: _____

Title/Position: _____

Signature: _____ Date: _____

**Upon completion of construction activities, the following certification shall be issued, prior to issuance of the NOT:**

I hereby certify that that all permanent stormwater management practices required by the SWPPP have been installed in accordance with the contract documents. I further certify that all temporary erosion and sediment control measures have been removed from the site, and that the on-site soils disturbed by construction activity have been restored in accordance with the SWPPP and the NYSDEC Division of Water's publication "Deep-Ripping and Decompaction".

Printed Name: _____

Title/Position: _____

Signature: _____ Date: _____

[1] "Trained Contractor" means an employee from a contracting (construction) company that has received four (4) hours of Department endorsed training in proper erosion and sediment control principles from a Soil and Water Conservation District, or other Department endorsed entity. After receiving the initial training, the "trained contractor" shall receive four (4) hours of training every three (3) years. It can also mean an employee from the contracting (construction) company that meets the "qualified inspector" qualifications (e.g. licensed Professional Engineer, Certified Professional in Erosion and Sediment Control (CPESC), Registered Landscape Architect, or someone working under the direct supervision of, and at the same company as, the licensed Professional Engineer or Registered Landscape Architect, provided they have received four (4) hours of Department endorsed training in proper erosion and sediment control principles from a Soil and Water Conservation District, or other Department endorsed entity). The "Trained Contractor" will be responsible for the day to day implementation of the SWPPP.

[2] Signatory Requirements:

a. For a corporation, this form shall be signed by (i) a president, secretary, treasurer, or vice-president of the corporation in charge of a principle business function, or any other person who performs similar policy or decision-making functions for the corporation; or (ii) the manager of one or more manufacturing, production or operating facilities, provided the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.

b. For a partnership or sole proprietorship, this form shall be signed by a general partner or the proprietor, respectively.

c. For a municipality, State, Federal, or other public agency, this form shall be signed by either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a Federal agency includes (i) the chief executive officer of the agency, or (ii) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g. Regional Administrators of EPA).

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**Stormwater Pollution Prevention Plan**
**Subcontractor Certification Statement**
**(whose work involves soil disturbance)**

Scenic Hudson Workspace

58 Parker Ave, City of Poughkeepsie, Dutchess County, New York

Each Subcontractor whose work will involve soil disturbance of any kind is required to complete and sign this Certification Statement before commencing any construction activity at the site. This completed Certification Statement(s) shall be maintained at the construction site in the Site Log Book.

**Subcontracting Firm Information**

Name: _____

Address: _____

_____

Telephone & Fax: _____

**Trained Contractor(s)[2] Responsible for SWPPP Implementation (**Provide name, title, and date of last training)

_____

_____

**Prior to commencement of construction activities, the following certification shall be issued:**

I hereby certify under penalty of law that I understand and agree to comply with the terms and conditions of the SWPPP and agree to implement any corrective actions identified by the *qualified inspector* during a site inspection. I also understand that the *owner or operator* must comply with the terms and conditions of the most current version of the New York State Pollutant Discharge Elimination System ("SPDES") general permit for stormwater *discharges* from *construction activities* and that it is unlawful for any person to cause or contribute to a violation of *water quality standards*. Furthermore, I am aware that there are significant penalties for submitting false information, that I do not believe to be true, including the possibility of fine and imprisonment for knowing violations.

Printed Name: _____

Title/Position: _____

Signature: _____ Date: _____

[2] "Trained Contractor" means an employee from a contracting (construction) company that has received four (4) hours of Department endorsed training in proper erosion and sediment control principles from a Soil and Water Conservation District, or other Department endorsed entity. After receiving the initial training, the "trained contractor" shall receive four (4) hours of training every three (3) years. It can also mean an employee from the contracting (construction) company that meets the "qualified inspector" qualifications (e.g. licensed Professional Engineer, Certified Professional in Erosion and Sediment Control (CPESC), Registered Landscape Architect, or someone working under the direct supervision of, and at the same company as, the licensed Professional Engineer or Registered Landscape Architect, provided they have received four (4) hours of Department endorsed training in proper erosion and sediment control principles from a Soil and Water Conservation District, or other Department endorsed entity). The "Trained Contractor" will be responsible for the day to day implementation of the SWPPP.

[2] Signatory Requirements:

a. For a corporation, this form shall be signed by (i) a president, secretary, treasurer, or vice-president of the corporation in charge of a principle business function, or any other person who performs similar policy or decision-making functions for the corporation; or (ii) the manager of one or more manufacturing, production or operating facilities, provided the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.

b. For a partnership or sole proprietorship, this form shall be signed by a general partner or the proprietor, respectively.

c. For a municipality, State, Federal, or other public agency, this form shall be signed by either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a Federal agency includes (i) the chief executive officer of the agency, or (ii) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g. Regional Administrators of EPA).

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# Appendix D:
# SWPPP Inspection Report
# (Sample Form)

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**Stormwater Pollution Prevention Plan**
**Inspection Report**

Scenic Hudson Workspace
58 Parker Ave
City of Poughkeepsie, Dutchess County, New York

A Qualified Inspector[1] shall prepare an inspection report subsequent to each and every inspection, as required in Part IV.C of the SPDES General Permit GP-0-20-001. All sections of this report are to be completed.

**1. Inspection Information**

Inspection number: _____

Date and Time of Inspection: _____

Weather Conditions: _____

Soil Conditions (e.g. dry, wet, saturated): _____

**2. Inspector Information**

Qualified Inspector[1]

Printed Name: _____ Date: _____

Signature: _____

Qualified Professional[1]

Printed Name _____ Date: _____

Signature: _____

**3. On the included site plan, provide a sketch of areas that are disturbed at the time of the inspection and areas that have been stabilized (temporary and/or final) since the last inspection. Provide additional descriptions below if necessary.**

_____

_____

_____

_____

[1] *A Qualified Inspector means a person that is knowledgeable in the principles and practices of erosion and sediment control, such as licensed Professional Engineer, Certified Professional in Erosion and Sediment Control (CPESC), Registered Landscape Architect, or other Department endorsed individual(s). It can also mean someone working under the direct supervision of, and at the same company as, the licensed Professional Engineer or Registered Landscape Architect, provided that person has training in the principles and practices of erosion and sediment control. Training in the principles and practices of erosion and sediment control means that the individual working under the direct supervision of the licensed Professional Engineer or Registered Landscape Architect has received four (4) hours of Department endorsed training in proper erosion and sediment control principles from a Soil and Water Conservation District, or other Department endorsed entity. After receiving the initial training, the individual working under the direct supervision of the licensed Professional Engineer or Registered Landscape Architect shall receive four (4) hours of training every three (3) years. It can also mean a person that meets the Qualified Professional qualifications in addition to the Qualified Inspector qualifications. Note: Inspections of any post-construction stormwater management practices that include structural components, such as a dam for an impoundment, shall be performed by a licensed Professional Engineer.*

4. **In the following table, provide a description of the condition of the runoff at all points of discharge from the construction site, including conveyance systems (pipes, culverts, ditches, etc.) and overland flow. Provide a description of the condition of all natural surface waterbodies located within the property boundaries of the construction site which receive runoff from disturbed areas. Identify any discharges of sediment from the construction site. Use additional sheets if necessary.**

| Description of Discharge Point/Adjacent Natural Surface Waterbodies | Condition of Runoff | Sediment Discharge Noted |
|---|---|---|
| | | Yes / No |
| | | Yes / No |
| | | Yes / No |
| | | Yes / No |

5. **For all discharge points where sediment discharge has been noted in the above table, provide detailed corrective actions that are required. Use additional sheets if necessary.**

**6. In the following table, provide checkmarks in the appropriate columns to indicate the condition of all erosion and sediment control practices at the site.**

| Erosion & Sediment Control Practice | Not Applicable | Functioning as Designed | Needs Repair or Maintenance | Not Installed Properly | Date Deficiency First Reported (If Applicable) | Deficiency Corrected? Y/N (If Applicable) |
|---|---|---|---|---|---|---|
| **Temporary Erosion & Sediment Control Practices** | | | | | | |
| Stabilized construction entrance | | | | | | |
| Silt fence | | | | | | |
| Inlet protection measures | | | | | | |
| Soil stockpiles | | | | | | |
| Dust control measures | | | | | | |
| Pavement sweeping | | | | | | |
| Temporary stabilization | | | | | | |
| Dewatering operations | | | | | | |
| Slope protection measures | | | | | | |
| Temporary parking areas | | | | | | |
| Concrete washout | | | | | | |
| Temporary swales and berms | | | | | | |
| Stone check dams | | | | | | |
| Sediment traps | | | | | | |
| Fiber Roll | | | | | | |
| Other: | | | | | | |
| **Permanent Erosion & Sediment Control Practices** | | | | | | |
| Rock outlet protection | | | | | | |
| Permanent turf reinforcement | | | | | | |
| Permanent stabilization | | | | | | |
| Other: | | | | | | |

**7. For all erosion and sediment control practices identified in the above table as "needs repair or maintenance" or "not installed properly", provide detailed corrective actions that are required. Use additional sheets if necessary.**

**8. In the following table, indicate the current phase of construction of all post-construction stormwater management practices and identify all construction that is not in conformance with the SWPPP and technical standards.**

| SWM Practice | Current Phase of Construction | Items not in conformance with the SWPPP |
|---|---|---|
| | | |
| | | |
| | | |
| | | |

**9. For all post-construction stormwater management practices which are identified in the above table as including "items not in conformance with the SWPPP", provide detailed corrective action(s) that are required to correct the deficiencies. Use additional sheets if necessary.**

**Photo Log**

| | |
|---|---|
| *Date – Item in need of repair or maintenance:* | *Date – Corrected Action:* |
| *Date – Item in need of repair or maintenance:* | *Date – Corrected Action:* |
| *Date – Item in need of repair or maintenance:* | *Date – Corrected Action:* |

**Photo Log**

| | |
|---|---|
| *Date – Item in need of repair or maintenance:* | *Date – Corrected Action:* |
| *Date – Item in need of repair or maintenance:* | *Date – Corrected Action:* |
| *Date – Item in need of repair or maintenance:* | *Date – Corrected Action:* |

# Appendix E:
# NYSDEC “Deep-Ripping and Decompaction,” April 2008

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New York State
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Water

# Deep-Ripping and Decompaction

**April 2008**

Document Prepared by:

John E. Lacey,
Land Resource Consultant and Environmental Compliance Monitor
(Formerly with the Division of Agricultural Protection and Development Services,
NYS Dept. of Agriculture & Markets)

**New York State**
**Department of Environmental Conservation**

Alternative Stormwater Management
Deep-Ripping and Decompaction

## Description

The two-phase practice of 1) “Deep Ripping;” and 2) “Decompaction” (deep subsoiling), of the soil material as a step in the cleanup and restoration/landscaping of a construction site, helps mitigate the physically induced impacts of soil compression; i.e.: soil compaction or the substantial increase in the bulk density of the soil material.

Deep Ripping and Decompaction are key factors which help in restoring soil pore space and permeability for water infiltration. Conversely, the physical actions of cut-and-fill work, land grading, the ongoing movement of construction equipment and the transport of building materials throughout a site alter the architecture and structure of the soil, resulting in: the mixing of layers (horizons) of soil materials, compression of those materials and diminished soil porosity which, if left unchecked, severely impairs the soil’s water holding capacity and vertical drainage (rainfall infiltration), from the surface downward.

In a humid climate region, compaction damage on a site is virtually guaranteed over the duration of a project. Soil in very moist to wet condition when compacted, will have severely reduced permeability. Figure 1 displays the early stage of the deep-ripping phase (Note that all topsoil was stripped prior to construction access, and it remains stockpiled until the next phase – decompaction – is complete). A heavy-duty tractor is pulling a three-shank ripper on the first of several series of incrementally deepening passes through the construction access corridor's densely compressed subsoil material. Figure 2 illustrates the approximate volumetric composition of a loam surface soil when conditions are good for plant growth, with adequate natural pore space for fluctuating moisture conditions.



Fig. 1. A typical deep ripping phase of this practice, during the first in a series of progressively deeper “rips” through severely compressed subsoil.

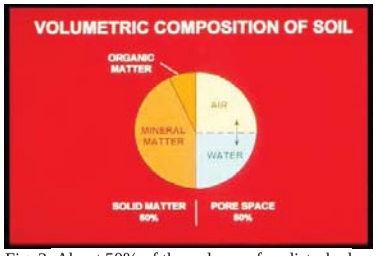



Fig. 2. About 50% of the volume of undisturbed loam surface soil is pore space, when soil is in good condition for plant growth. Brady, 2002.



## Recommended Application of Practice



Fig. 3. Construction site with significant compaction of the deep basal till subsoil extends 24 inches below this exposed cut-and-fill work surface.

The objective of Deep Ripping and Decompaction is to effectively fracture (vertically and laterallly) through the thickness of the physically compressed subsoil material (see Figure 3), restoring soil porosity and permeability and aiding infiltration to help reduce runoff. Together with topsoil stripping, the “two-phase” practice of Deep Ripping and Decompaction first became established as a “best management practice” through ongoing success on commercial farmlands affected by heavy utility construction right-of-way projects (transmission pipelines and large power lines).

Soil permeability, soil drainage and cropland productivity were restored. For broader construction application, the two-phase practice of Deep Ripping and Decompaction is best adapted to areas impacted with significant soil compaction, on contiguous open portions of large construction sites and inside long, open construction corridors used as temporary access over the duration of construction. Each mitigation area should have minimal above-and-below-ground obstructions for the easy avoidance and maneuvering of a large tractor and ripping/decompacting implements. Conversely, the complete two-phase practice is not recommended in congested or obstructed areas due to the limitations on tractor and implement movement.

## Benefits

Aggressive “deep ripping” through the compressed thickness of exposed subsoil before the replacement/respreading of the topsoil layer, followed by “decompaction,” i.e.: “sub-soiling,” through the restored topsoil layer down into the subsoil, offers the following benefits:

- Increases the project (larger size) area’s direct surface infiltration of rainfall by providing the open site’s mitigated soil condition and lowers the demand on concentrated runoff control structures
- Enhances direct groundwater recharge through greater dispersion across and through a broader surface than afforded by some runoff-control structural measures
- Decreases runoff volume generated and provides hydrologic source control
- May be planned for application in feasible open locations either alone or in

conjunction with plans for structural practices (e.g., subsurface drain line or infiltration basin) serving the same or contiguous areas

- Promotes successful long-term revegetation by restoring soil permeability, drainage and water holding capacity for healthy (rather than restricted) root-system development of trees, shrubs and deep rooted ground cover, minimizing plant drowning during wet periods and burnout during dry periods.

## Feasibility/Limitations

The effectiveness of Deep Ripping and Decompaction is governed mostly by site factors such as: the original (undisturbed) soil's hydrologic characteristics; the general slope; local weather/timing (soil moisture) for implementation; the space-related freedom of equipment/implement maneuverability (noted above in **Recommended Application of Practice**), and by the proper selection and operation of tractor and implements (explained below in **Design Guidance**). The more notable site-related factors include:

**Soil**
In the undisturbed condition, each identified soil type comprising a site is grouped into one of four categories of soil hydrology, Hydrologic Soil Group A, B, C or D, determined primarily by a range of characteristics including soil texture, drainage capability when thoroughly wet, and depth to water table. The natural rates of infiltration and transmission of soil-water through the undisturbed soil layers for Group A is "high" with a low runoff potential while soils in Group B are moderate in infiltration and the transmission of soil-water with a moderate runoff potential, depending somewhat on slope. Soils in Group C have slow rates of infiltration and transmission of soil-water and a moderately high runoff potential influenced by soil texture and slope; while soils in Group D have exceptionally slow rates of infiltration and transmission of soil-water, and high runoff potential.

In Figure 4, the profile displays the undisturbed horizons of a soil in Hydrologic Soil Group C and the naturally slow rate of infiltration through the subsoil. The slow rate of infiltration begins immediately below the topsoil horizon (30 cm), due to the limited amount of macro pores, e.g.: natural subsoil fractures, worm holes and root channels. Infiltration after the construction-induced mixing and compression of such subsoil material is virtually absent; but can be restored back to this natural level with the two-phase practice of deep ripping and decompaction, followed by the permanent establishment of an appropriate, deep taproot

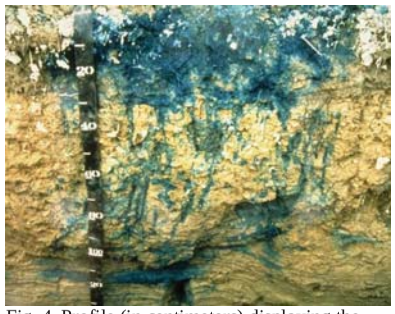


Fig. 4. Profile (in centimeters) displaying the infiltration test result of the natural undisturbed horizons of a soil in Hydrologic Soil Group C.



lawn/ground cover to help maintain the restored subsoil structure. Infiltration after construction-induced mixing and compression of such subsoil material can be notably rehabilitated with the Deep Ripping and Decompaction practice, which prepares the site for the appropriate long-term lawn/ground cover mix including deep taproot plants such as clover, fescue or trefoil, etc. needed for all rehabilitated soils.

Generally, soils in Hydrologic Soil Groups A and B, which respectively may include deep, well-drained, sandy-gravelly materials or deep, moderately well-drained basal till materials, are among the easier ones to restore permeability and infiltration, by deep ripping and decompaction. Among the many different soils in Hydrologic Soil Group C are those unique glacial tills having a natural fragipan zone, beginning about 12 to 18 inches (30 – 45cm), below surface. Although soils in Hydrologic Soil Group C do require a somewhat more carefully applied level of the Deep Ripping and Decompaction practice, it can greatly benefit such affected areas by reducing the runoff and fostering infiltration to a level equal to that of pre-disturbance.

Soils in Hydrologic Soil Group D typically have a permanent high water table close to the surface, influenced by a clay or other highly impervious layer of material. In many locations with clay subsoil material, the bulk density is so naturally high that heavy trafficking has little or no added impact on infiltration; and structural runoff control practices rather than Deep Ripping and Decompaction should be considered.

The information about Hydrologic Soil Groups is merely a general guideline. Site-specific data such as limited depths of cut-and-fill grading with minimal removal or translocation of the inherent subsoil materials (as analyzed in the county soil survey) or, conversely, the excavation and translocation of deeper, unconsolidated substratum or consolidated bedrock materials (unlike the analyzed subsoil horizons' materials referred to in the county soil survey) should always be taken into account.

Sites made up with significant quantities of large rocks, or having a very shallow depth to bedrock, are not conducive to deep ripping and decompation (subsoiling); and other measures may be more practical.

**Slope**
The two-phase application of 1) deep ripping and 2) decompaction (deep subsoiling), is most practical on flat, gentle and moderate slopes. In some situations, such as but not limited to temporary construction access corridors, inclusion areas that are moderately steep along a project's otherwise gentle or moderate slope may also be deep ripped and decompacted. For limited instances of moderate steepness on other projects, however, the post-construction land use and the relative alignment of the potential ripping and decompaction work in relation to the lay of the slope should be reviewed for safety and practicality. In broad construction areas predominated by moderately steep or steep slopes, the practice is generally not used.

**Local Weather/Timing/Soil Moisture**
Effective fracturing of compressed subsoil material from the exposed work surface, laterally and vertically down through the affected zone is achieved only when the soil material is moderately dry to moderately moist. Neither one of the two-phases, deep ripping nor decompaction (deep

subsoiling), can be effectively conducted when the soil material (subsoil or replaced topsoil) is in either a “plastic” or “liquid” state of soil consistency. Pulling the respective implements legs through the soil when it is overly moist only results in the “slicing and smearing” of the material or added “squeezing and compression” instead of the necessary fracturing. Ample drying time is needed for a “rippable” soil condition not merely in the material close to the surface, but throughout the material located down to the bottom of the physically compressed zone of the subsoil.

The “poor man’s Atterberg field test” for soil plasticity is a simple “hand-roll” method used for quick, on-site determination of whether or not the moisture level of the affected soil material is low enough for: effective deep ripping of subsoil; respreading of topsoil in a friable state; and final decompaction (deep subsoiling). Using a sample of soil material obtained from the planned bottom depth of ripping, e.g.: 20 - 24 inches below exposed subsoil surface, the sample is hand rolled between the palms down to a 1/8-inch diameter thread. (Use the same test for stored topsoil material before respreading on the site.) If the respective soil sample crumbles apart in segments no greater than 3/8 of an inch long, by the time it is rolled down to 1/8 inch diameter, it is low enough in moisture for deep ripping (or topsoil replacement), and decompaction. Conversely, as shown in Figure 5, if the rolled sample stretches out in increments greater than 3/8 of an inch long before crumbling, it is in a “plastic” state of soil consistency and is too wet for subsoil ripping (as well as topsoil replacement) and final decompaction.



Fig. 5. Augered from a depth of 19 inches below the surface of the replaced topsoil, this subsoil sample was hand rolled to a 1/8-inch diameter. The test shows the soil at this site stretches out too far without crumbling; it indicates the material is in a plastic state of consistence, too wet for final decompaction (deep subsoiling) at this time.

## Design Guidance

Beyond the above-noted site factors, a vital requirement for the effective Deep Ripping and Decompaction (deep subsoiling), is implementing the practice in its distinct, two-phase process:

1) Deep rip the affected thickness of exposed subsoil material (see Figure 10 and 11), aggressively fracturing it before the protected topsoil is reapplied on the site (see Figure 12); and

2) Decompact (deep subsoil), simultaneously through the restored topsoil layer and the upper half of the affected subsoil (Figure 13). The second phase, “decompaction,” mitigates the partial recompaction which occurs during the heavy process of topsoil spreading/grading. Prior to deep ripping and decompacting the site, all construction activity, including construction equipment and material storage, site cleanup and trafficking (Figure 14), should be finished; and the site closed off to further disturbance. Likewise, once the practice is underway and the area’s soil permeability and



rainfall infiltration are being restored, a policy limiting all further traffic to permanent travel lanes is maintained.

The other critical elements, outlined below, are: using the proper implements (deep, heavy-duty rippers and subsoilers), and ample pulling-power equipment (tractors); and conducting the practice at the appropriate speed, depth and pattern(s) of movement.

Note that an appropriate plan for the separate practice of establishing a healthy perennial ground cover, with deep rooting to help maintain the restored soil structure, should be developed in advance. This may require the assistance of an agronomist or landscape horticulturist.

**Implements**

Avoid the use of all undersize implements. The small-to-medium, light-duty tool will, at best, only “scarify” the uppermost surface portion of the mass of compacted subsoil material. The term “chisel plow” is commonly but incorrectly applied to a broad range of implements. While a few may be adapted for the moderate subsoiling of non-impacted soils, the majority are less durable and used for only lighter land-fitting (see Figure 6).



Fig. 6. A light duty chisel implement, not adequate for either the deep ripping or decompaction (deep subsoiling) phase.



Fig. 7. One of several variations of an agricultural ripper. This unit has long, rugged shanks mounted on a steel V-frame for deep, aggressive fracturing through Phase 1.

Use a “heavy duty” agricultural-grade, deep ripper (see Figures 7,9,10 and 11) for the first phase: the lateral and vertical fracturing of the mass of exposed and compressed subsoil, down and through, to the bottom of impact, prior to the replacement of the topsoil layer. (Any oversize rocks which are uplifted to the subsoil surface during the deep ripping phase are picked and removed.) Like the heavy-duty class of implement for the first phase, the decompaction (deep subsoiling) of Phase 2 is conducted with the heavy-duty version of the deep subsoiler. More preferable is the angled-leg variety of deep subsoiler (shown in Figures 8 and 13). It minimizes the inversion of the subsoil and topsoil layers while laterally and vertically fracturing the upper half of the previously ripped subsoil layer and all of the topsoil layer by delivering a momentary, wave-like “lifting and shattering” action up through the soil layers as it is pulled.

**Pulling-Power of Equipment**
Use the following rule of thumb for tractor horsepower (hp) whenever deep ripping and decompacting a significantly impacted site: For both types of implement, have at least 40 hp of tractor pull available for each mounted shank/ leg.

Using the examples of a 3-shank and a 5-shank implement, the respective tractors should have 120 and 200 hp available for fracturing down to the final depth of 20-to-24 inches per phase. Final depth for the deep ripping in Phase 1 is achieved incrementally by a progressive series of passes (see Depth and Patterns of Movement, below); while for Phase 2, the full operating depth of the deep subsoiler is applied from the beginning.

The operating speed for pulling both types of implement should not exceed 2 to 3 mph. At this slow and managed rate of operating speed, maximum functional performance is sustained by the tractor and the implement performing the soil fracturing. Referring to Figure 8, the implement is the 6-leg version of the deep angled-leg subsoiler. Its two outside legs are "chained up" so that only four legs will be engaged (at the maximum depth), requiring no less than 160 hp, (rather than 240 hp) of pull. The 4-wheel drive, articulated-frame tractor in Figure 8 is 174 hp. It will be decompacting this unobstructed, former construction access area simultaneously through 11 inches of replaced topsoil and the upper 12 inches of the previously deep-ripped subsoil. In constricted areas of Phase 1) Deep Ripping, a medium-size tractor with adequate hp, such as the one in Figure 9 pulling a 3-shank deep ripper, may be more maneuverable.


Fig. 8. A deep, angled-leg subsoiler, ideal for Phase 2 decompaction of after the topsoil layer is graded on top of the ripped subsoil.


Fig. 9. This medium tractor is pulling a 3-shank deep ripper. The severely compacted construction access corridor is narrow, and the 120 hp tractor is more maneuverable for Phase 1 deep ripping (subsoil fracturing), here.

Some industrial-grade variations of ripping implements are attached to power graders and bulldozers. Although highly durable, they are generally not recommended. Typically, the shanks or "teeth" of these rippers are too short and stout; and they are mounted too far apart to achieve the well-distributed type of lateral and vertical fracturing of the soil materials necessary to restore soil permeability and infiltration. In addition, the power graders and bulldozers, as pullers, are far less maneuverable for turns and patterns than the tractor.



**Depth and Patterns of Movement**
As previously noted both Phase 1 Deep Ripping through significantly compressed, exposed subsoil and Phase 2 Decompaction (deep subsoiling) through the replaced topsoil and upper subsoil need to be performed at maximum capable depth of each implement. With an implement's guide wheels attached, some have a "normal" maximum operating depth of 18 inches, while others may go deeper. In many situations, however, the tractor/implement operator must first remove the guide wheels and other non essential elements from the implement. This adapts the ripper or the deep subsoiler for skillful pulling with its frame only a few inches above surface, while the shanks or legs, fracture the soil material 20-to-24 inches deep.

There may be construction sites where the depth of the exposed subsoil's compression is moderate, e.g.: 12 inches, rather than deep. This can be verified by using a ¾ inch cone penetrometer and a shovel to test the subsoil for its level of compaction, incrementally, every three inches of increasing depth. Once the full thickness of the subsoil's compacted zone is finally "pieced" and there is a significant drop in the psi measurements of the soil penetrometer, the depth/thickness of compaction is determined. This is repeated at several representative locations of the construction site. If the thickness of the site's subsoil compaction is verified as, for example, ten inches, then the Phase 1 Deep Ripping can be correspondingly reduced to the implement's minimum operable depth of 12 inches. However, the Phase 2 simultaneous Decompation (subsoiling) of an 11 inch thick layer of replaced topsoil and the upper subsoil should run at the subsoiling implements full operating depth.


Fig. 10. An early pass with a 3-shank deep ripper penetrating only 8 inches into this worksite's severely compressed subsoil.


Fig. 11. A repeat run of the 3-shank ripper along the same patterned pass area as Fig. 9; here, incrementally reaching 18 of the needed 22 inches of subsoil fracture.

Typically, three separate series (patterns) are used for both the Phase 1 Deep Ripping and the Phase 2 Decompaction on significantly compacted sites. For Phase 1, each series begins with a moderate depth of rip and, by repeat-pass, continues until full depth is reached. Phase 2 applies the full depth of Decompation (subsoiling), from the beginning.

Every separate series (pattern) consists of parallel, forward-and-return runs, with each progressive

pass of the implement's legs or shanks evenly staggered between those from the previous pass. This compensates for the shank or leg-spacing on the implement, e.g., with 24-to-30 inches between each shank or leg. The staggered return pass ensures lateral and vertical fracturing actuated every 12 to 15 inches across the densely compressed soil mass.

**Large, Unobstructed Areas**
For larger easy areas, use the standard patterns of movement:

- The first series (pattern) of passes is applied lengthwise, parallel with the longest spread of the site; gradually progressing across the site's width, with each successive pass.

- The second series runs obliquely, crossing the first series at an angle of about 45 degrees.

- The third series runs at right angle (or 90 degrees), to the first series to complete the fracturing and shattering on severely compacted sites, and avoid leaving large unbroken blocks of compressed soil material. (In certain instances, the third series may be optional, depending on how thoroughly the first two series loosen the material and eliminate large chunks/blocks of material as verified by tests with a ¾-inch cone penetrometer.)



Fig. 12. Moderately dry topsoil is being replaced on the affected site now that Phase 1 deep ripping of the compressed subsoil is complete.



Fig. 13. The same deep, angled-leg subsoiler shown in Fig. 7 is engaged at maximum depth for Phase 2, decompaction (deep soiling), of the replaced topsoil and the upper subsoil materials.

**Corridors**
In long corridors of limited width and less maneuverability than larger sites, e.g.: along compacted areas used as temporary construction access, a modified series of pattern passes are used.

- First, apply the same initial lengthwise, parallel series of passes described above.



- A second series of passes makes a broad "S" shaped pattern of rips, continually and gradually alternating the "S" curves between opposite edges inside the compacted corridor.

- The third and final series again uses the broad, alternating S pattern, but it is "flip-flopped" to continually cross the previous S pattern along the corridor's centerline. This final series of the S pattern curves back along the edge areas skipped by the second series.

## Maintenance and Cost

Once the two-phase practice of Deep Ripping and Decompation is completed, two items are essential for maintaining a site's soil porosity and permeability for infiltration. They are: planting and maintaining the appropriate ground cover with deep roots to maintain the soil structure (see Figure 15); and keeping the site free of traffic or other weight loads.

Note that site-specific choice of an appropriate vegetative ground-cover seed mix, including the proper seeding ratio of one or more perennial species with a deep taproot system and the proper amount of lime and soil nutrients (fertilizer mix) adapted to the soil-needs, are basic to the final practice of landscaping, i.e: surface tillage, seeding/planting/fertilizing and culti-packing or mulching is applied. The "maintenance" of an effectively deep-ripped and decompacted area is generally limited to the successful perennial (long-term) landscape ground cover; as long as no weight-bearing force of soil compaction is applied.



Fig. 14. The severely compacted soil of a temporary construction yard used daily by heavy equipment for four months; shown before deep ripping, topsoil replacement, and decompaction.



Fig. 15. The same site as Fig. 14 after deep ripping of the exposed subsoil, topsoil replacement, decompaction through the topsoil and upper subsoil and final surface tillage and revegetation to maintain soil permeability and infiltration.

The Deep Ripping and Decompaction practice is, by necessity, more extensive than periodic subsoiling of farmland.The cost of deep ripping and decompacting (deep subsoiling), will vary according to the depth and severity of soil-material compression and the relative amount of tractor and implement time that is required. In some instances, depending on open maneuverability, two-to-three acres of compacted project area may be deep-ripped in one day. In other situations of more severe compaction and - or less maneuverability, as little as one acre may be fully ripped in a day. Generally, if the Phase 1) Deep Ripping is fully effective, the Phase 2) Decompaction should be completed in 2/3 to 3/4 of the time required for Phase 1.

Using the example of two acres of Phase 1) Deep Ripping in one day, at $1800 per day, the net cost is $900 per acre. If the Phase 2) Decompacting or deep subsoiling takes 3/4 the time as Phase 1, it costs $675 per acre for a combined total of $1575 per acre to complete the practice (these figures do not include the cost of the separate practice of topsoil stripping and replacement). Due to the many variables, it must be recognized that cost will be determined by the specific conditions or constraints of the site and the availability of proper equipment.



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- US Department of Agriculture in cooperation with Cornell University Agricultural Experiment Station. Various years. *Soil Survey of (various names) County, New York.* USDA.

Internet Access:

- Examples of implements:

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- Soil penetrometer information. Access by internet searches of: *Diagnosing Soil Compaction using a Penetrometer (soil compaction tester), PSU Extension;* as well as *Dickey-john Soil Compaction Tester.* http://www.dickey-johnproducts.com/pdf/SoilCompactionTest.pdf and http://cropsoil.psu.edu/Extension/Facts/uc178pdf Last visited Sept. 07

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# Appendix F:
# Post-Construction Inspections and Maintenance

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# POST CONSTRUCTION INSPECTIONS AND MAINTENANCE

## 1. SITE COVER

### a. Inspections

Site cover and associated structures and embankments should be inspected periodically for the first few months following construction and then on a biannual basis. Site inspections should also be performed following all major storm events. Items to check for include (but are not limited to):

i. Differential settlement of embankments, cracking or erosion.

ii. Lack of vigor and density of grass turf.

iii. Accumulation of sediments or litter on lawn areas, paved areas, or within catch basin sumps.

iv. Accumulation of pollutants, including oils or grease, in catch basin sumps.

v. Damage or fatigue of storm sewer structures or associated components.

### b. Mowing and Sweeping

Vegetated areas and landscaping should be maintained to promote vigorous and dense growth. Lawn areas should be mowed at least three times a year (more frequent mowing may be desired for aesthetic reasons). Resultant yard waste shall be collected and disposed of off-site.

Paved areas should be swept at least twice a year. Additional sweeping may be appropriate in the early spring for removal of deicing materials

### c. Debris and Litter Removal

Accumulation of litter and debris should be removed during each mowing or sweep operation.

### d. Structural Repair or Replacement

Components of the system which require repair or replacement should be addressed immediately following identification.

### e. Catch Basins

The frequency for cleanout of catch basin sumps will depend on the efficiency of mowing, sweeping, and debris and litter removal. Sumps should be cleaned when accumulation of sediments are within six inches of the catch basin outlet pipe.

Disposal of material from catch basins sumps, drainage manholes, and trench drains shall be in accordance with local, state, and federal guidelines.

**f. Rip-rap Dissipation structures**

Rip-rap used to dissipate energy from pipe outfalls shall be cleaned or replaced when it becomes overburdened with silt or sediment.

**g. Winter Maintenance**

To prevent impacts to storm water management facilities, the following winter maintenance limitations, restrictions, or requirements are recommended:

i. Remove snow and ice from inlet structures, basin inlet and outlet structures and away from culvert end sections.

ii. Snow removed from paved areas should not be piled at inlets/outlets of the storm water management basin.

iii. Use of deicing materials should be limited to sand and "environmentally friendly" chemical products. Use of salt mixtures should be kept to a minimum.

iv. Sand used for deicing should be clean, course material free of fines, silt, and clay.

v. Materials used for deicing should be removed during the early spring by sweeping and/ or vacuuming.

## 2. BIORETENTION FILTERS

**a. Inspection Schedule**

Bioretention filters should be inspected periodically for the first few months after construction and then on a monthly basis. Bioretention filters should be inspected after all major storm events.

**b. Inspection of Uphill Drainage Area**

Inspect areas that are uphill from the Bioretention filter.

i. Bare soil and/or erosion of the ground should be seeded and mulches to establish vegetation. Areas of erosion should be filled with soil, compacted, and seeded and strawed to establish vegetation.

ii. If a small channel(s) is forming, try to redirect water flowing to this area by creating a small berm or adding topsoil to areas that are heavily compacted.

iii. Piles of grass clippings, mulch, dirt, salt or other materials should be removed.

iv. Open containers of oil, grease, paint, or other substances should be covered and properly disposed of.

**c. Inspection of Inlets**

Stand in the Bioretention filter itself and inspect each location where water flows in.

i. Inlets should have a clear pathway for water to flow into the filter. Grit and debris or grass/weeds should be removed at curb inlets or openings.

ii. Clumps of growing grass or weeds and the associated soil or grit should be removed.

iii. Grass clippings, leaves, sticks, and other debris collecting at inlets should be removed.

iv. For pipes and ditches, sediment and debris partially blocking the pipe or ditch opening into the Bioretention filter should be removed.

v. All materials removed should be properly disposed in such a way that it may not re-enter the Bioretention filter.

vi. Small areas of erosion should be smoothed out and rock or stone applied to prevent further erosion. Reseeding and applying erosion-control matting can be used to prevent further erosion.

**d. Inspection of Ponding Area**

Examine the entire Bioretention surface and side slopes:

i. In areas where the mulch layer has decomposed or is less than 1-inch thick, new mulch should be added to a total depth of 2 to 3 inches. The mulch should be a shredded hardwood mulch that is less likely to float away during rainstorms. Avoid adding too much mulch so that inlets are obstructed, or certain areas become higher than the rest of the Bioretention surface.

ii. Excess sediment, grit, trash, or other debris that has accumulated on the bottom should be removed and disposed of in such a way that it cannot re-enter the Bioretention filter. If removing the material creates a hole or low area, fill in with a soil mix that matches the original mix and cover with mulch to create a flat surface.

iii. Eroded areas in the bottom or on the side slopes should be filled with clean topsoil or sand and covered with mulch. If the problem reoccurs, stone can be used to fill in the areas. If the erosion is on a side slope, fill in with clay that can be compacted and seed and mulch the area.

iv. The bottom of the Bioretention filter should be flat. The surface should be raked or mulch added to low spots to create a more level surface.

**e. Inspection of Vegetation**

Examine all Bioretention filter vegetation:

i. Weeds and dead and/or diseased plants should be removed and the mulch surrounding these replaced. Plants should be added to fill in areas that are not well vegetated.

ii. If bioretention filter utilized a vegetated seed mix, then grass areas shall be mowed to ensure that grass height does not exceed 6-inches.

iii. Undesirable trees and shrubs should be removed. Resultant yard wastes shall be collected and disposed of off-site

**f. Inspection of Outlets**

Examine the outlets that release water out of the Bioretention filter:

i. Stone should be added in areas of erosion at the outlet to reduce the impact from the water flowing out of the outlet pipe or weir during storms.

ii. Outlet obstructions should be removed and disposed of where it cannot re-enter the Bioretention filter.

**g. Debris, Trash and Litter Control**

Removal of debris and litter shall be accomplished during mowing operations. Inlet structures should be cleared of all debris and litter.

**h. Structural Repairs and Replacement**

Components of the bioretention filter, which require repair or replacement, should be addressed immediately following identification. This includes treating and or replacing diseased trees and shrub, fertilizing as necessary, replacing tree stakes and wires, replacing mulch where bare spots appear, replacing clogged underdrains, filter beds, and pea gravel diaphragm.

**i. Erosion and Sediment Control**

Sources of sedimentation, specifically eroded areas in upland drainage areas, should be stabilized immediately upon identification. Stabilization should be with vegetative practices or other erosion control practices when vegetative measures do not prove effective.

Soil slumpage, erosion of the embankments or around inlets/outlets, and cracking should be stabilized and repaired immediately upon identification.

**j. Sediment Removal**

Sediments that accumulate in the bioretention filter should be removed annually to prevent clogging of inlet or outlet structures. Disposal of material removed from bioretention filter shall be in accordance with local, state, and federal guidelines.

## 3. GREEN ROOF

**a. Inspection of Vegetation and Surface**

Visually inspect the surface and vegetation of the practice:

i. Wilting or nutrient-deprived vegetation should be watered or irrigated and dead or dying vegetation pruned or removed. Weeds should be removed by hand and lime should be applied to kill moss.

**b. Inspection of Overflows and Drains**

Remove the cover and inspect the ports:

i. Debris should be removed by hand or flushed through with a hose.

# 4. HYDRODYNAMIC DEVICE

The hydrodynamic device is a confined space environment and only properly trained personnel possessing the necessary safety equipment should enter the unit to perform maintenance or inspection.

**a. Inspection Schedule**

The hydrodynamic device shall be inspected every four months.

**b. Inspection Items**

The unit's internal components should be inspected for any signs of damage or any loosening of the bolts used to fasten the various components to the manhole structure and to each other.

Refer to attached Operations and Maintenance Guidelines, for the CDS-4 (2015) Hydrodynamic Device, for the manufacturer's detailed inspection and maintenance requirements.

**c. Debris, Trash and Litter Control**

The screen shall be power washed for the inspection. The floatables shall be removed and the sump cleaned when it has reached 50% capacity. The unit may require cleaning in the event of a spill of a toxic or foreign substance. At a minimum, the hydrodynamic device shall be pumped out at least once a year if the sump does not reach its 50% capacity.

**d. Sediment removal**

Disposal of material from the hydrodynamic device shall be in accordance with local, state, and federal guidelines.

# 5. POROUS WALKWAYS

**a. Inspection Schedule**

Porous pavement surfaces shall be inspected periodically after construction, and then on a monthly basis.

**b. Inspection of Uphill Drainage Area**

Look for areas that are uphill from the porous pavement

i. Bare soil should be seeded and strawed to establish vegetation. Areas of erosion should be filled in with soil, compacted, and seeded and strawed to establish vegetation. If a small channel(s) forms, water flowing to this area should be redirected by creating a small berm or add topsoil to areas that are heavily compacted.

ii. Piles of grass clippings, mulch, dirt, salt, or other materials should be removed.

iii. Open containers of oil, grease, paint, or other substances should be covered or properly disposed.

### c. Inspection of Surface

Examine the entire porous pavement surface:

i. Dirt and grit accumulation on the pavement surface should be removed utilizing a blower or sweeping the area. If dirt/grit remain in the joint areas, agitate with a rough brush and vacuum the surface with a wet/dry vac. Clogged blocks should be removed and replaced. Any material removed should be disposed where it cannot re-enter the system.

ii. If the paver type is not intended to be covered in vegetation, grass/weeds should be removed either mechanically or with an herbicide.

iii. Damaged pavers should be removed and replaced in areas of slumping, sinking, cracking, or breaking of the pavement surface. The fill in the underlying gravel should be checked and replaced with new materials if necessary.

## 6. UNDERGROUND INFILTRATION SYSTEM

### a. Inspection Schedule

Underground infiltration systems should be inspected periodically for the first few months after construction and then on an annual basis. Underground infiltration systems should be inspected after major storm events to ensure inlets and outlets remain clear.

### b. Inspection Items

Items to check for include (but are not limited to):

i. Measure the sediment buildup at each riser.

ii. Inspect each header, all laterals, inlets, and outlet pipes for sediment build up, obstructions or other problems. Cracking, erosion or seepage through embankments.

Refer to the attached Stormtech “Isolator Row Operations and Maintenance Manual” for the manufacturer’s inspection and maintenance requirements.

### c. Debris and Litter Control

Inlet and outlet structures should be cleared of all debris and litter.

### d. Structural repairs and Replacement

Components of the underground infiltration system, which require repair or replacement, should be addressed immediately following identification.

**e. Sedimentation Control**

Sources of sedimentation, specifically eroded areas in upland drainage areas, should be stabilized immediately upon identification. Stabilization should be with vegetative practices or other erosion control practices when vegetative measures do not prove effective.

**f. Sediment removal**

Sediments, which accumulate in the underground infiltration system, should be removed when it reaches 4% of the pipe diameter to prevent clogging of the outlet. A typical clean-out cycle should be between 5 to 10 years with more frequent cleanings near inlet and outlet structures. The unit may require cleaning in the event of a spill of a toxic or foreign substance. Disposal of material from the underground infiltration systems shall be in accordance with local, state, and federal guidelines.

Underground infiltration systems are confined space environment and only properly trained personnel possessing the necessary safety equipment should enter the systems to perform maintenance or inspection.

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## Save Valuable Land and Protect Water Resources



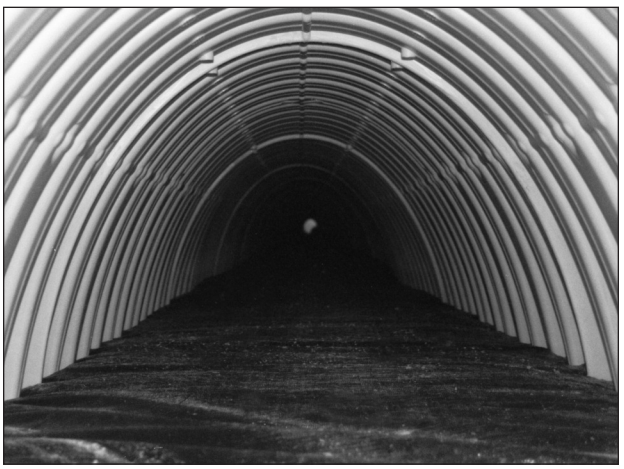
# Isolator® Row O&M Manual

StormTech® Chamber System for Stormwater Management

# 1.0 The Isolator® Row

## 1.1 INTRODUCTION

An important component of any Stormwater Pollution Prevention Plan is inspection and maintenance. The StormTech Isolator Row is a patented technique to inexpensively enhance Total Suspended Solids (TSS) removal and provide easy access for inspection and maintenance.



*Looking down the Isolator Row from the manhole opening, woven geotextile is shown between the chamber and stone base.*

## 1.2 THE ISOLATOR ROW

The Isolator Row is a row of StormTech chambers, either SC-310, SC-310-3, SC-740, DC-780, MC-3500 or MC-4500 models, that is surrounded with filter fabric and connected to a closely located manhole for easy access. The fabric-wrapped chambers provide for settling and filtration of sediment as storm water rises in the Isolator Row and ultimately passes through the filter fabric. The open bottom chambers and perforated sidewalls (SC-310, SC-310-3 and SC-740 models) allow storm water to flow both vertically and horizontally out of the chambers. Sediments are captured in the Isolator Row protecting the storage areas of the adjacent stone and chambers from sediment accumulation.

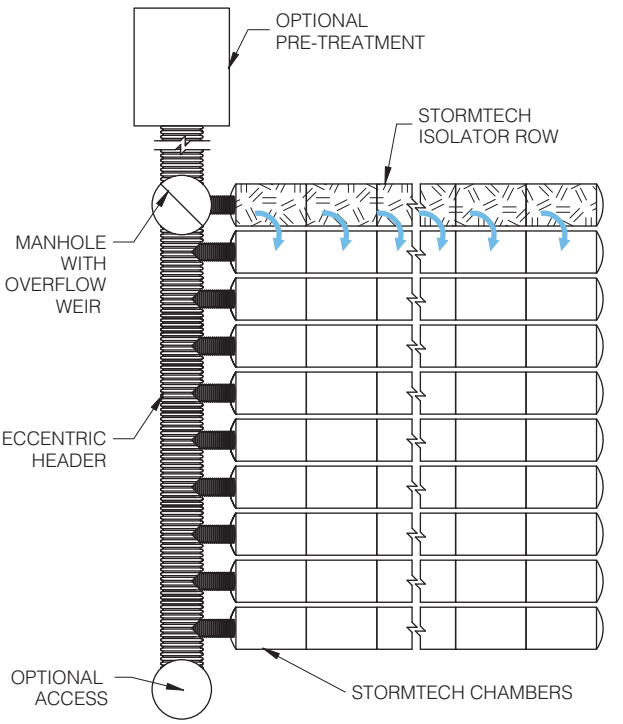
Two different fabrics are used for the Isolator Row. A woven geotextile fabric is placed between the stone and the Isolator Row chambers. The tough geotextile provides a media for storm water filtration and provides a durable surface for maintenance operations. It is also designed to prevent scour of the underlying stone and remain intact during high pressure jetting. A non-woven fabric is placed over the chambers to provide a filter media for flows passing through the perforations in the sidewall of the chamber. The non-woven fabric is not required over the DC-780, MC-3500 or MC-4500 models as these chambers do not have perforated side walls.

The Isolator Row is typically designed to capture the "first flush" and offers the versatility to be sized on a volume basis or flow rate basis. An upstream manhole not only provides access to the Isolator Row but typically includes a high flow weir such that storm water flowrates or volumes that exceed the capacity of the Isolator Row overtop the over flow weir and discharge through a manifold to the other chambers.

The Isolator Row may also be part of a treatment train. By treating storm water prior to entry into the chamber system, the service life can be extended and pollutants such as hydrocarbons can be captured. Pre-treatment best management practices can be as simple as deep sump catch basins, oil-water separators or can be innovative storm water treatment devices. The design of the treatment train and selection of pretreatment devices by the design engineer is often driven by regulatory requirements. Whether pretreatment is used or not, the Isolator Row is recommended by StormTech as an effective means to minimize maintenance requirements and maintenance costs.

*Note: See the StormTech Design Manual for detailed information on designing inlets for a StormTech system, including the Isolator Row.*

**StormTech Isolator Row with Overflow Spillway**
(not to scale)



# 2.0 Isolator Row Inspection/Maintenance

## 2.1 INSPECTION

The frequency of Inspection and Maintenance varies by location. A routine inspection schedule needs to be established for each individual location based upon site specific variables. The type of land use (i.e. industrial, commercial, residential), anticipated pollutant load, percent imperviousness, climate, etc. all play a critical role in determining the actual frequency of inspection and maintenance practices.

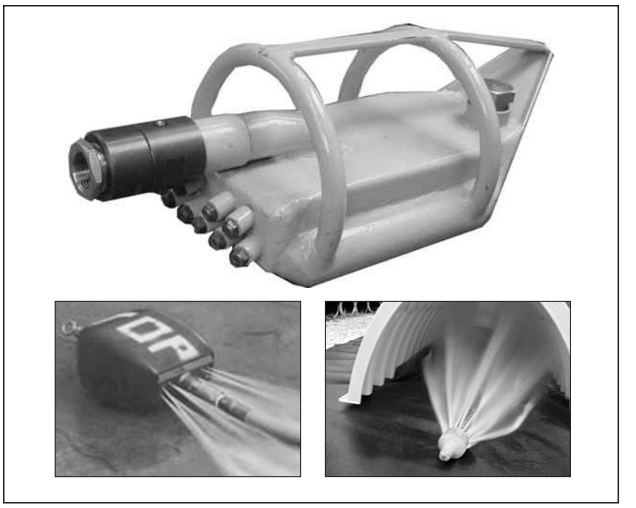
At a minimum, StormTech recommends annual inspections. Initially, the Isolator Row should be inspected every 6 months for the first year of operation. For subsequent years, the inspection should be adjusted based upon previous observation of sediment deposition.

The Isolator Row incorporates a combination of standard manhole(s) and strategically located inspection ports (as needed). The inspection ports allow for easy access to the system from the surface, eliminating the need to perform a confined space entry for inspection purposes.

If upon visual inspection it is found that sediment has accumulated, a stadia rod should be inserted to determine the depth of sediment. When the average depth of sediment exceeds 3 inches throughout the length of the Isolator Row, clean-out should be performed.

## 2.2 MAINTENANCE

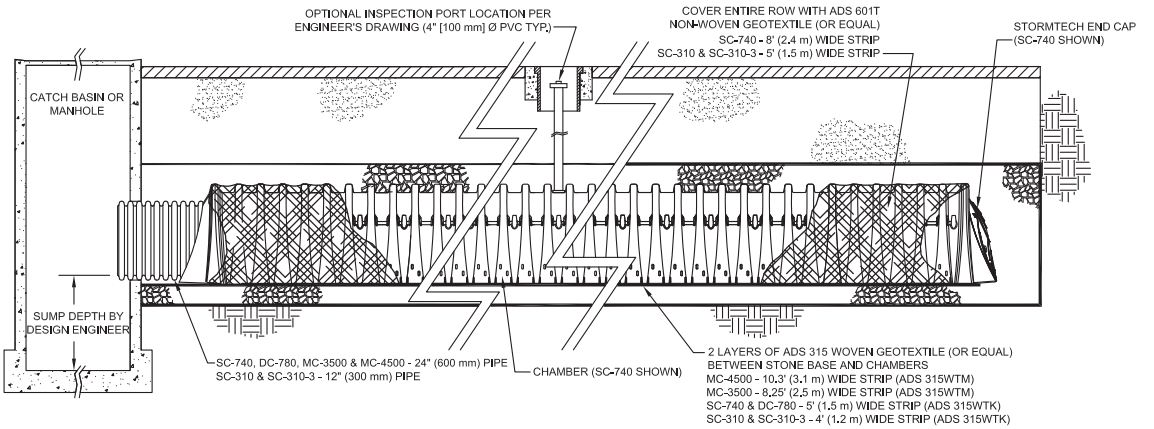
The Isolator Row was designed to reduce the cost of periodic maintenance. By "isolating" sediments to just one row, costs are dramatically reduced by eliminating the need to clean out each row of the entire storage bed. If inspection indicates the potential need for maintenance, access is provided via a manhole(s) located on the end(s) of the row for cleanout. If entry into the manhole is required, please follow local and OSHA rules for a confined space entries.



*Examples of culvert cleaning nozzles appropriate for Isolator Row maintenance. (These are not StormTech products.)*

Maintenance is accomplished with the JetVac process. The JetVac process utilizes a high pressure water nozzle to propel itself down the Isolator Row while scouring and suspending sediments. As the nozzle is retrieved, the captured pollutants are flushed back into the manhole for vacuuming. Most sewer and pipe maintenance companies have vacuum/JetVac combination vehicles. Selection of an appropriate JetVac nozzle will improve maintenance efficiency. Fixed nozzles designed for culverts or large diameter pipe cleaning are preferable. Rear facing jets with an effective spread of at least 45" are best. Most JetVac reels have 400 feet of hose allowing maintenance of an Isolator Row up to 50 chambers long. **The JetVac process shall only be performed on StormTech Isolator Rows that have AASHTO class 1 woven geotextile (as specified by StormTech) over their angular base stone.**

**StormTech Isolator Row** (not to scale)




**NOTE:** NON-WOVEN FABRIC IS ONLY REQUIRED OVER THE INLET PIPE CONNECTION INTO THE END CAP FOR DC-780, MC-3500 AND MC-4500 CHAMBER MODELS AND IS NOT REQUIRED OVER THE ENTIRE ISOLATOR ROW.

# 3.0 Isolator Row Step By Step Maintenance Procedures

**Step 1)** Inspect Isolator Row for sediment

A) Inspection ports (if present)

i. Remove lid from floor box frame

ii. Remove cap from inspection riser

iii. Using a flashlight and stadia rod, measure depth of sediment and record results on maintenance log.

iv. If sediment is at, or above, 3 inch depth proceed to Step 2. If not proceed to step 3.

B) All Isolator Rows

i. Remove cover from manhole at upstream end of Isolator Row

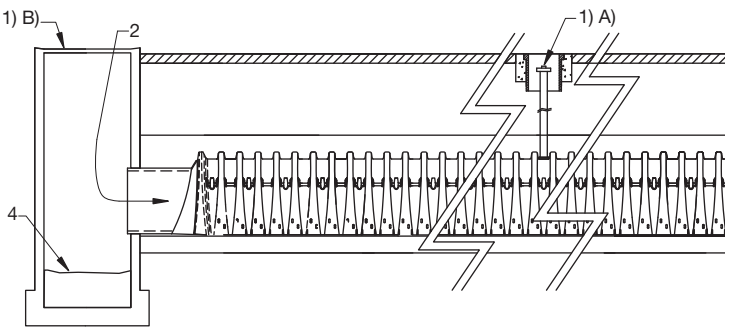
ii. Using a flashlight, inspect down Isolator Row through outlet pipe

1. Mirrors on poles or cameras may be used to avoid a confined space entry

2. Follow OSHA regulations for confined space entry if entering manhole

iii. If sediment is at or above the lower row of sidewall holes (approximately 3 inches) proceed to Step 2. If not proceed to Step 3.

**StormTech Isolator Row** (not to scale)




**Step 2)** Clean out Isolator Row using the JetVac process

A) A fixed culvert cleaning nozzle with rear facing nozzle spread of 45 inches or more is preferable

B) Apply multiple passes of JetVac until backflush water is clean

C) Vacuum manhole sump as required

**Step 3)** Replace all caps, lids and covers, record observations and actions

**Step 4)** Inspect & clean catch basins and manholes upstream of the StormTech system

**Sample Maintenance Log**

| Date | Stadia Rod Readings | | Sediment Depth (1) - (2) | Observations/Actions | Inspector |
|---|---|---|---|---|---|
| | Fixed point to chamber bottom (1) | Fixed point to top of sediment (2) | | | |
| 3/15/01 | 6.3 ft. | none | | New installation. Fixed point is CI frame at grade | djm |
| 9/24/01 | | 6.2 | 0.1 ft. | Some grit felt | sm |
| 6/20/03 | | 5.8 | 0.5 ft. | Mucky feel, debris visible in manhole and in Isolator row, maintenance due | rv |
| 7/7/03 | 6.3 ft. | | 0 | System jetted and vacuumed | djm |


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# CDS Guide
## Operation, Design, Performance and Maintenance



## CDS®

Using patented continuous deflective separation technology, the CDS system screens, separates and traps debris, sediment, and oil and grease from stormwater runoff. The indirect screening capability of the system allows for 100% removal of floatables and neutrally buoyant material without blinding. Flow and screening controls physically separate captured solids, and minimize the re-suspension and release of previously trapped pollutants. Inline units can treat up to 6 cfs, and internally bypass flows in excess of 50 cfs (1416 L/s). Available precast or cast-in-place, offline units can treat flows from 1 to 300 cfs (28.3 to 8495 L/s). The pollutant removal capacity of the CDS system has been proven in lab and field testing.

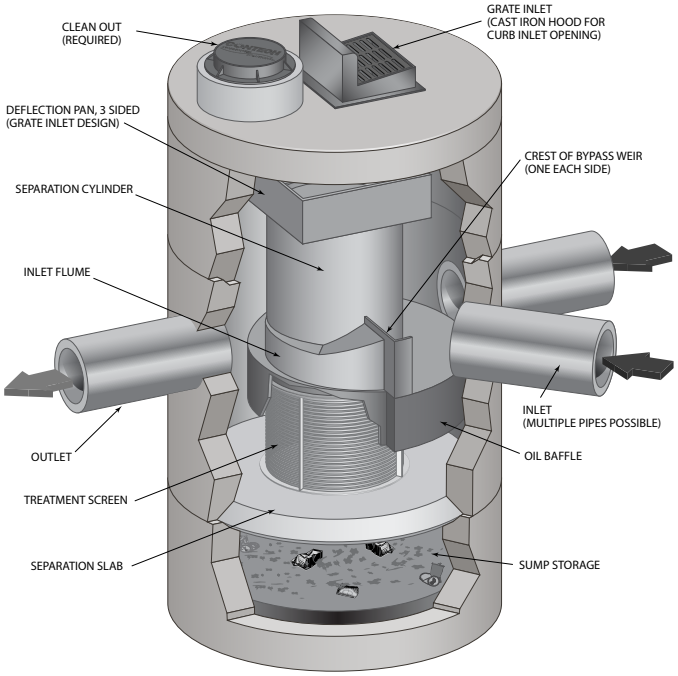
## Operation Overview

Stormwater enters the diversion chamber where the diversion weir guides the flow into the unit's separation chamber and pollutants are removed from the flow. All flows up to the system's treatment design capacity enter the separation chamber and are treated.

Swirl concentration and screen deflection force floatables and solids to the center of the separation chamber where 100% of floatables and neutrally buoyant debris larger than the screen apertures are trapped.

Stormwater then moves through the separation screen, under the oil baffle and exits the system. The separation screen remains clog free due to continuous deflection.

During the flow events exceeding the treatment design capacity, the diversion weir bypasses excessive flows around the separation chamber, so captured pollutants are retained in the separation cylinder.




## Design Basics

There are three primary methods of sizing a CDS system. The Water Quality Flow Rate Method determines which model size provides the desired removal efficiency at a given flow rate for a defined particle size. The Rational Rainfall Method™ or the and Probabilistic Method is used when a specific removal efficiency of the net annual sediment load is required.

Typically in the Unites States, CDS systems are designed to achieve an 80% annual solids load reduction based on lab generated performance curves for a gradation with an average particle size (d50) of 125 microns ($\mu$m). For some regulatory environments, CDS systems can also be designed to achieve an 80% annual solids load reduction based on an average particle size (d50) of 75 microns ($\mu$m) or 50 microns ($\mu$m).

### Water Quality Flow Rate Method

In some cases, regulations require that a specific treatment rate, often referred to as the water quality design flow (WQQ), be treated. This WQQ represents the peak flow rate from either an event with a specific recurrence interval, e.g. the six-month storm, or a water quality depth, e.g. 1/2-inch (13 mm) of rainfall.

The CDS is designed to treat all flows up to the WQQ. At influent rates higher than the WQQ, the diversion weir will direct most flow exceeding the WQQ around the separation chamber. This allows removal efficiency to remain relatively constant in the separation chamber and eliminates the risk of washout during bypass flows regardless of influent flow rates.

Treatment flow rates are defined as the rate at which the CDS will remove a specific gradation of sediment at a specific removal efficiency. Therefore the treatment flow rate is variable, based on the gradation and removal efficiency specified by the design engineer.

### Rational Rainfall Method™

Differences in local climate, topography and scale make every site hydraulically unique. It is important to take these factors into consideration when estimating the long-term performance of any stormwater treatment system. The Rational Rainfall Method combines site-specific information with laboratory generated performance data, and local historical precipitation records to estimate removal efficiencies as accurately as possible.

Short duration rain gauge records from across the United States and Canada were analyzed to determine the percent of the total annual rainfall that fell at a range of intensities. US stations' depths were totaled every 15 minutes, or hourly, and recorded in 0.01-inch increments. Depths were recorded hourly with 1-mm resolution at Canadian stations. One trend was consistent at all sites; the vast majority of precipitation fell at low intensities and high intensity storms contributed relatively little to the total annual depth.

These intensities, along with the total drainage area and runoff coefficient for each specific site, are translated into flow rates using the Rational Rainfall Method. Since most sites are relatively small and highly impervious, the Rational Rainfall Method is appropriate. Based on the runoff flow rates calculated for each intensity, operating rates within a proposed CDS system are

determined. Performance efficiency curve determined from full scale laboratory tests on defined sediment PSDs is applied to calculate solids removal efficiency. The relative removal efficiency at each operating rate is added to produce a net annual pollutant removal efficiency estimate.

### Probabilistic Rational Method

The Probabilistic Rational Method is a sizing program Contech developed to estimate a net annual sediment load reduction for a particular CDS model based on site size, site runoff coefficient, regional rainfall intensity distribution, and anticipated pollutant characteristics.

The Probabilistic Method is an extension of the Rational Method used to estimate peak discharge rates generated by storm events of varying statistical return frequencies (e.g. 2-year storm event). Under the Rational Method, an adjustment factor is used to adjust the runoff coefficient estimated for the 10-year event, correlating a known hydrologic parameter with the target storm event. The rainfall intensities vary depending on the return frequency of the storm event under consideration. In general, these two frequency dependent parameters (rainfall intensity and runoff coefficient) increase as the return frequency increases while the drainage area remains constant.

These intensities, along with the total drainage area and runoff coefficient for each specific site, are translated into flow rates using the Rational Method. Since most sites are relatively small and highly impervious, the Rational Method is appropriate. Based on the runoff flow rates calculated for each intensity, operating rates within a proposed CDS are determined. Performance efficiency curve on defined sediment PSDs is applied to calculate solids removal efficiency. The relative removal efficiency at each operating rate is added to produce a net annual pollutant removal efficiency estimate.

### Treatment Flow Rate

The inlet throat area is sized to ensure that the WQQ passes through the separation chamber at a water surface elevation equal to the crest of the diversion weir. The diversion weir bypasses excessive flows around the separation chamber, thus preventing re-suspension or re-entrainment of previously captured particles.

### Hydraulic Capacity

The hydraulic capacity of a CDS system is determined by the length and height of the diversion weir and by the maximum allowable head in the system. Typical configurations allow hydraulic capacities of up to ten times the treatment flow rate. The crest of the diversion weir may be lowered and the inlet throat may be widened to increase the capacity of the system at a given water surface elevation. The unit is designed to meet project specific hydraulic requirements.

## Performance

### Full-Scale Laboratory Test Results

A full-scale CDS system (Model CDS2020-5B) was tested at the facility of University of Florida, Gainesville, FL. This CDS unit was evaluated under controlled laboratory conditions of influent flow rate and addition of sediment.

Two different gradations of silica sand material (UF Sediment & OK-110) were used in the CDS performance evaluation. The particle size distributions (PSDs) of the test materials were analyzed using standard method "Gradation ASTM D-422 "Standard Test Method for Particle-Size Analysis of Soils" by a certified laboratory.

UF Sediment is a mixture of three different products produced by the U.S. Silica Company: "Sil-Co-Sil 106", "#1 DRY" and "20/40 Oil Frac". Particle size distribution analysis shows that the UF Sediment has a very fine gradation (d50 = 20 to 30 $\mu$m) covering a wide size range (Coefficient of Uniformity, C averaged at 10.6). In comparison with the hypothetical TSS gradation specified in the NJDEP (New Jersey Department of Environmental Protection) and NJCAT (New Jersey Corporation for Advanced Technology) protocol for lab testing, the UF Sediment covers a similar range of particle size but with a finer d50 (d50 for NJDEP is approximately 50 $\mu$m) (NJDEP, 2003).

The OK-110 silica sand is a commercial product of U.S. Silica Sand. The particle size distribution analysis of this material, also included in Figure 1, shows that 99.9% of the OK-110 sand is finer than 250 microns, with a mean particle size (d50) of 106 microns. The PSDs for the test material are shown in Figure 1.

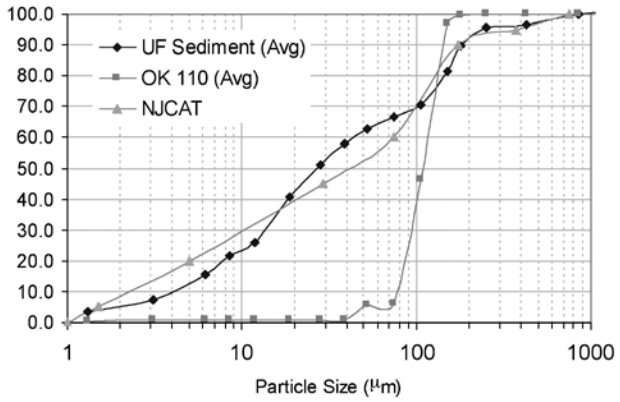



Figure 1. Particle size distributions

Tests were conducted to quantify the performance of a specific CDS unit (1.1 cfs (31.3-L/s) design capacity) at various flow rates, ranging from 1% up to 125% of the treatment design capacity of the unit, using the 2400 micron screen. All tests were conducted with controlled influent concentrations of approximately 200 mg/L. Effluent samples were taken at equal time intervals across the entire duration of each test run. These samples were then processed with a Dekaport Cone sample splitter to obtain representative sub-samples for Suspended Sediment Concentration (SSC) testing using ASTM D3977-97 "Standard Test Methods for Determining Sediment Concentration in Water Samples", and particle size distribution analysis.

## Results and Modeling

Based on the data from the University of Florida, a performance model was developed for the CDS system. A regression analysis was used to develop a fitting curve representative of the scattered data points at various design flow rates. This model, which demonstrated good agreement with the laboratory data, can then be used to predict CDS system performance with respect

to SSC removal for any particle size gradation, assuming the particles are inorganic sandy-silt. Figure 2 shows CDS predictive performance for two typical particle size gradations (NJCAT gradation and OK-110 sand) as a function of operating rate.

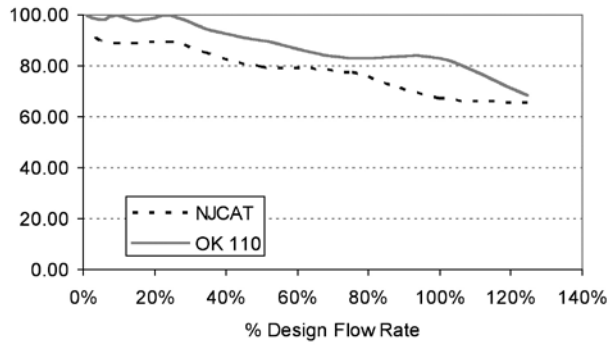



Figure 2. CDS stormwater treatment predictive performance for various particle gradations as a function of operating rate.

Many regulatory jurisdictions set a performance standard for hydrodynamic devices by stating that the devices shall be capable of achieving an 80% removal efficiency for particles having a mean particle size (d50) of 125 microns (e.g. Washington State Department of Ecology — WASDOE - 2008). The model can be used to calculate the expected performance of such a PSD (shown in Figure 3). The model indicates (Figure 4) that the CDS system with 2400 micron screen achieves approximately 80% removal at the design (100%) flow rate, for this particle size distribution (d50 = 125 $\mu$m).

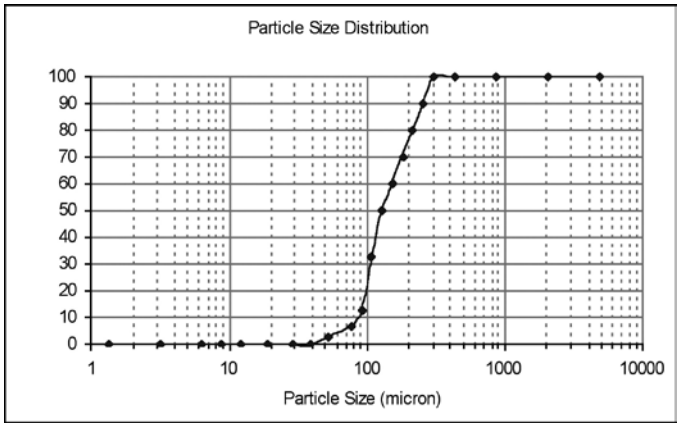



Figure 3. WASDOE PSD

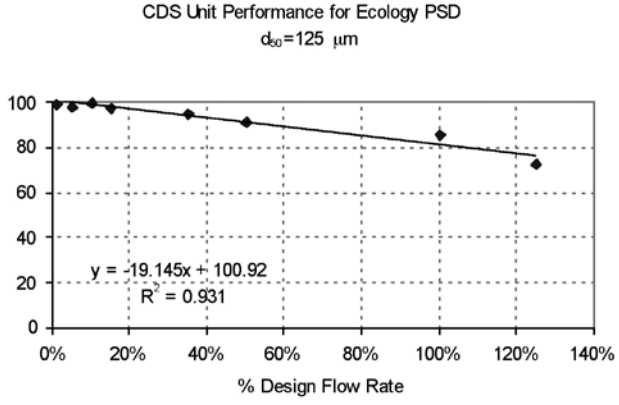



Figure 4. Modeled performance for WASDOE PSD.

## Maintenance

The CDS system should be inspected at regular intervals and maintained when necessary to ensure optimum performance. The rate at which the system collects pollutants will depend more heavily on site activities than the size of the unit. For example, unstable soils or heavy winter sanding will cause the grit chamber to fill more quickly but regular sweeping of paved surfaces will slow accumulation.

## Inspection

Inspection is the key to effective maintenance and is easily performed. Pollutant transport and deposition may vary from year to year and regular inspections will help ensure that the system is cleaned out at the appropriate time. At a minimum, inspections should be performed twice per year (e.g. spring and fall) however more frequent inspections may be necessary in climates where winter sanding operations may lead to rapid accumulations, or in equipment washdown areas. Installations should also be inspected more frequently where excessive amounts of trash are expected.

The visual inspection should ascertain that the system components are in working order and that there are no blockages or obstructions in the inlet and separation screen. The inspection should also quantify the accumulation of hydrocarbons, trash, and sediment in the system. Measuring pollutant accumulation can be done with a calibrated dipstick, tape measure or other measuring instrument. If absorbent material is used for enhanced removal of hydrocarbons, the level of discoloration of the sorbent material should also be identified



during inspection. It is useful and often required as part of an operating permit to keep a record of each inspection. A simple form for doing so is provided.

Access to the CDS unit is typically achieved through two manhole access covers. One opening allows for inspection and cleanout of the separation chamber (cylinder and screen) and isolated sump. The other allows for inspection and cleanout of sediment captured and retained outside the screen. For deep units, a single manhole access point would allows both sump cleanout and access outside the screen.

The CDS system should be cleaned when the level of sediment has reached 75% of capacity in the isolated sump or when an appreciable level of hydrocarbons and trash has accumulated. If absorbent material is used, it should be replaced when significant discoloration has occurred. Performance will not be impacted until 100% of the sump capacity is exceeded however it is recommended that the system be cleaned prior to that for easier removal of sediment. The level of sediment is easily determined by measuring from finished grade down to the top of the sediment pile. To avoid underestimating the level of sediment in the chamber, the measuring device must be lowered to the top of the sediment pile carefully. Particles at the top of the pile typically offer less resistance to the end of the rod than consolidated particles toward the bottom of the pile. Once this measurement is recorded, it should be compared to the as-built drawing for the unit to determine weather the height of the sediment pile off the bottom of the sump floor exceeds 75% of the total height of isolated sump.

## Cleaning

Cleaning of a CDS systems should be done during dry weather conditions when no flow is entering the system. The use of a vacuum truck is generally the most effective and convenient method of removing pollutants from the system. Simply remove the manhole covers and insert the vacuum hose into the sump. The system should be completely drained down and the sump fully evacuated of sediment. The area outside the screen should also be cleaned out if pollutant build-up exists in this area.

In installations where the risk of petroleum spills is small, liquid contaminants may not accumulate as quickly as sediment. However, the system should be cleaned out immediately in the event of an oil or gasoline spill. Motor oil and other hydrocarbons that accumulate on a more routine basis should be removed when an appreciable layer has been captured. To remove these pollutants, it may be preferable to use absorbent pads since they are usually less expensive to dispose than the oil/water emulsion that may be created by vacuuming the oily layer. Trash and debris can be netted out to separate it from the other pollutants. The screen should be cleaned to ensure it is free of trash and debris.

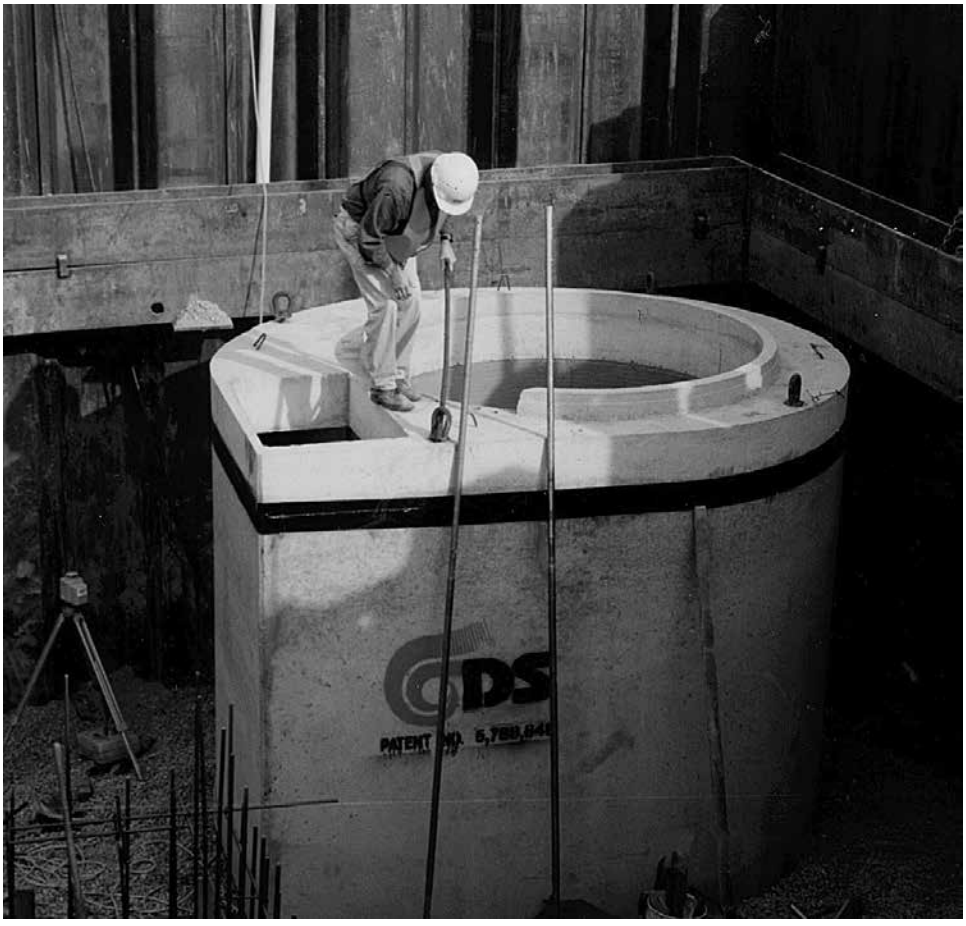
Manhole covers should be securely seated following cleaning activities to prevent leakage of runoff into the system from above and also to ensure that proper safety precautions have been followed. Confined space entry procedures need to be followed if physical access is required. Disposal of all material removed from the CDS system should be done in accordance with local regulations. In many jurisdictions, disposal of the sediments may be handled in the same manner as the disposal of sediments removed from catch basins or deep sump manholes. Check your local regulations for specific requirements on disposal.



| CDS Model | Diameter | | Distance from Water Surface to Top of Sediment Pile | | Sediment Storage Capacity | |
|---|---|---|---|---|---|---|
| | ft | m | ft | m | $y^3$ | $m^3$ |
| CDS1515 | 3 | 0.9 | 3.0 | 0.9 | 0.5 | 0.4 |
| CDS2015 | 4 | 1.2 | 3.0 | 0.9 | 0.9 | 0.7 |
| CDS2015 | 5 | 1.5 | 3.0 | 0.9 | 1.3 | 1.0 |
| CDS2020 | 5 | 1.5 | 3.5 | 1.1 | 1.3 | 1.0 |
| CDS2025 | 5 | 1.5 | 4.0 | 1.2 | 1.3 | 1.0 |
| CDS3020 | 6 | 1.8 | 4.0 | 1.2 | 2.1 | 1.6 |
| CDS3025 | 6 | 1.8 | 4.0 | 1.2 | 2.1 | 1.6 |
| CDS3030 | 6 | 1.8 | 4.6 | 1.4 | 2.1 | 1.6 |
| CDS3035 | 6 | 1.8 | 5.0 | 1.5 | 2.1 | 1.6 |
| CDS4030 | 8 | 2.4 | 4.6 | 1.4 | 5.6 | 4.3 |
| CDS4040 | 8 | 2.4 | 5.7 | 1.7 | 5.6 | 4.3 |
| CDS4045 | 8 | 2.4 | 6.2 | 1.9 | 5.6 | 4.3 |
| CDS5640 | 10 | 3.0 | 6.3 | 1.9 | 8.7 | 6.7 |
| CDS5653 | 10 | 3.0 | 7.7 | 2.3 | 8.7 | 6.7 |
| CDS5668 | 10 | 3.0 | 9.3 | 2.8 | 8.7 | 6.7 |
| CDS5678 | 10 | 3.0 | 10.3 | 3.1 | 8.7 | 6.7 |

Table 1: CDS Maintenance Indicators and Sediment Storage Capacities

Note: To avoid underestimating the volume of sediment in the chamber, carefully lower the measuring device to the top of the sediment pile. Finer silty particles at the top of the pile may be more difficult to feel with a measuring stick. These finer particles typically offer less resistance to the end of the rod than larger particles toward the bottom of the pile.



# CDS Inspection & Maintenance Log

CDS Model: _____ Location: _____

| Date | Water depth to sediment[1] | Floatable Layer Thickness[2] | Describe Maintenance Performed | Maintenance Personnel | Comments |
|---|---|---|---|---|---|
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1. The water depth to sediment is determined by taking two measurements with a stadia rod: one measurement from the manhole opening to the top of the sediment pile and the other from the manhole opening to the water surface. If the difference between these measurements is less than the values listed in table 1 the system should be cleaned out. **Note: to avoid underestimating the volume of sediment in the chamber, the measuring device must be carefully lowered to the top of the sediment pile**.

2. For optimum performance, the system should be cleaned out when the floating hydrocarbon layer accumulates to an appreciable thickness. In the event of an oil spill, the system should be cleaned immediately.

SUPPORT

- Drawings and specifications are available at www.ContechES.com.
- Site-specific design support is available from our engineers.

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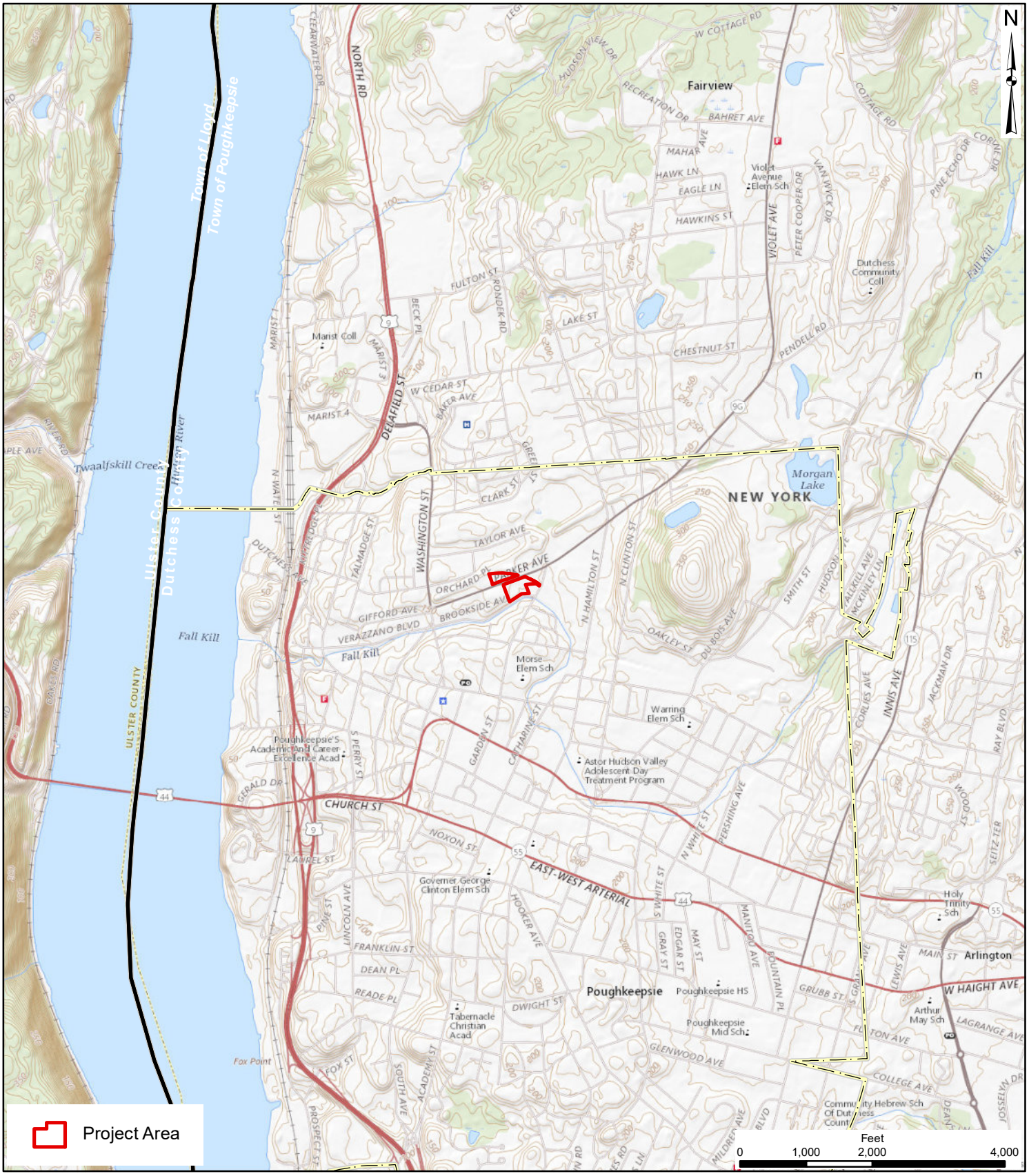
The product(s) described may be protected by one or more of the following US patents: 5,322,629; 5,624,576; 5,707,527; 5,759,415; 5,788,848; 5,985,157; 6,027,639; 6,350,374; 6,406,218; 6,641,720; 6,511,595; 6,649,048; 6,991,114; 6,998,038; 7,186,058; 7,296,692; 7,297,266; related foreign patents or other patents pending.

cds_manual 3/17 PDF

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# Appendix G:
# Figures




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***North Country Office:***
20 Elm Street, Suite 110, Glens Falls, NY 12801

***Westchester County Office:***
1 North Broadway, Suite 803, White Plains, NY 10601

www.chazencompanies.com Phone: (888) 539-9073

***Scenic Hudson Workspace***

# Location Map

58 Parker Ave, City of Poughkeepsie - Dutchess County, NY

| | |
|---|---|
| Drawn: | RL-B |
| Date: | 07/29/2021 |
| Scale: | 1 inch = 2,000 feet |
| Project: | 82105 |
| Figure: | 1 |

Document Path: E:\NY_Projects\82105\82105_USGS_8x11.mxd




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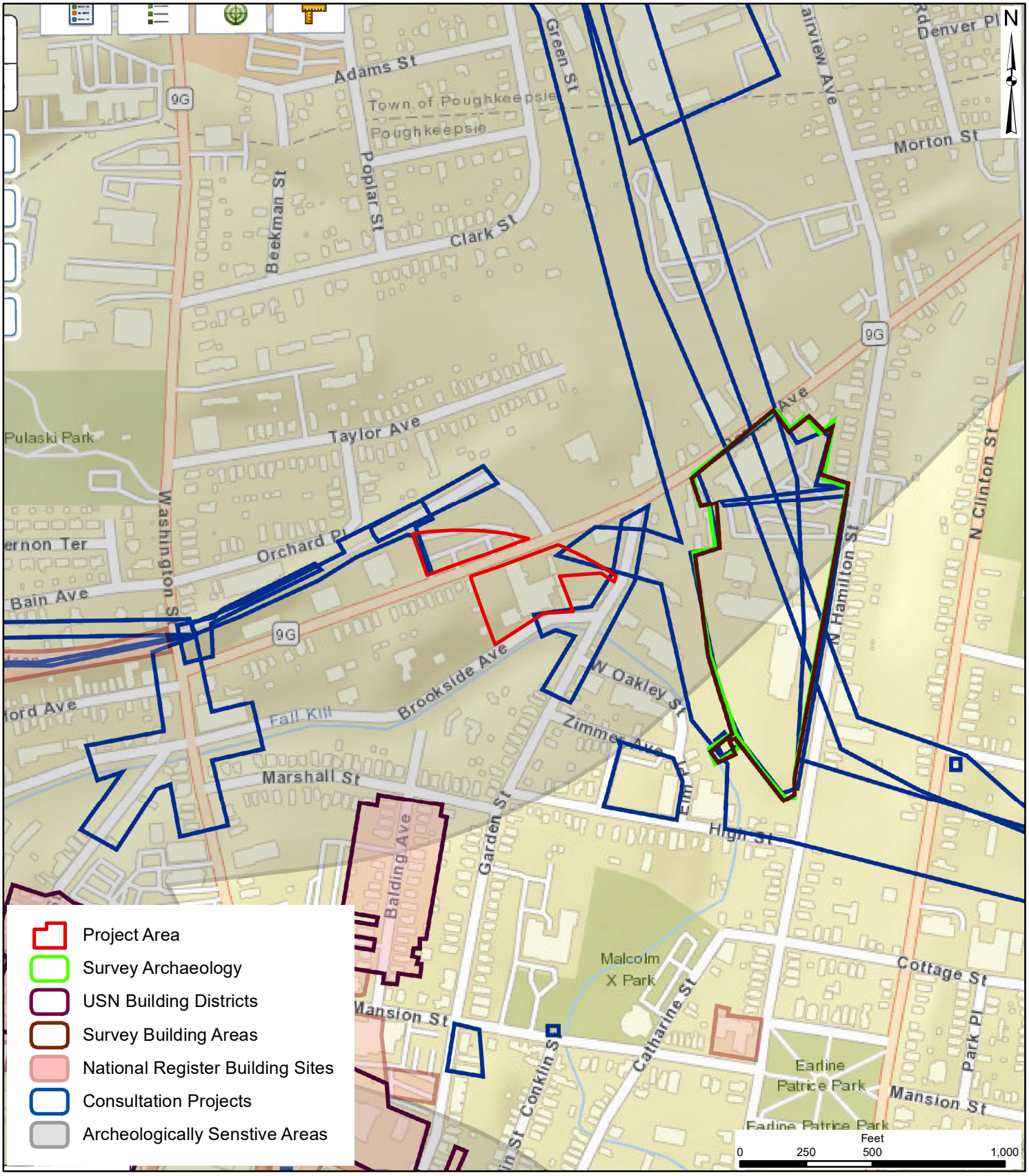
***Scenic Hudson Workspace***

# Soils

58 Parker Ave, City of Poughkeepsie - Dutchess County, NY

| | |
|---|---|
| Drawn: | RL-B |
| Date: | 07/29/2021 |
| Scale: | 1 inch = 150 feet |
| Project: | 82105 |
| Figure: | 2 |

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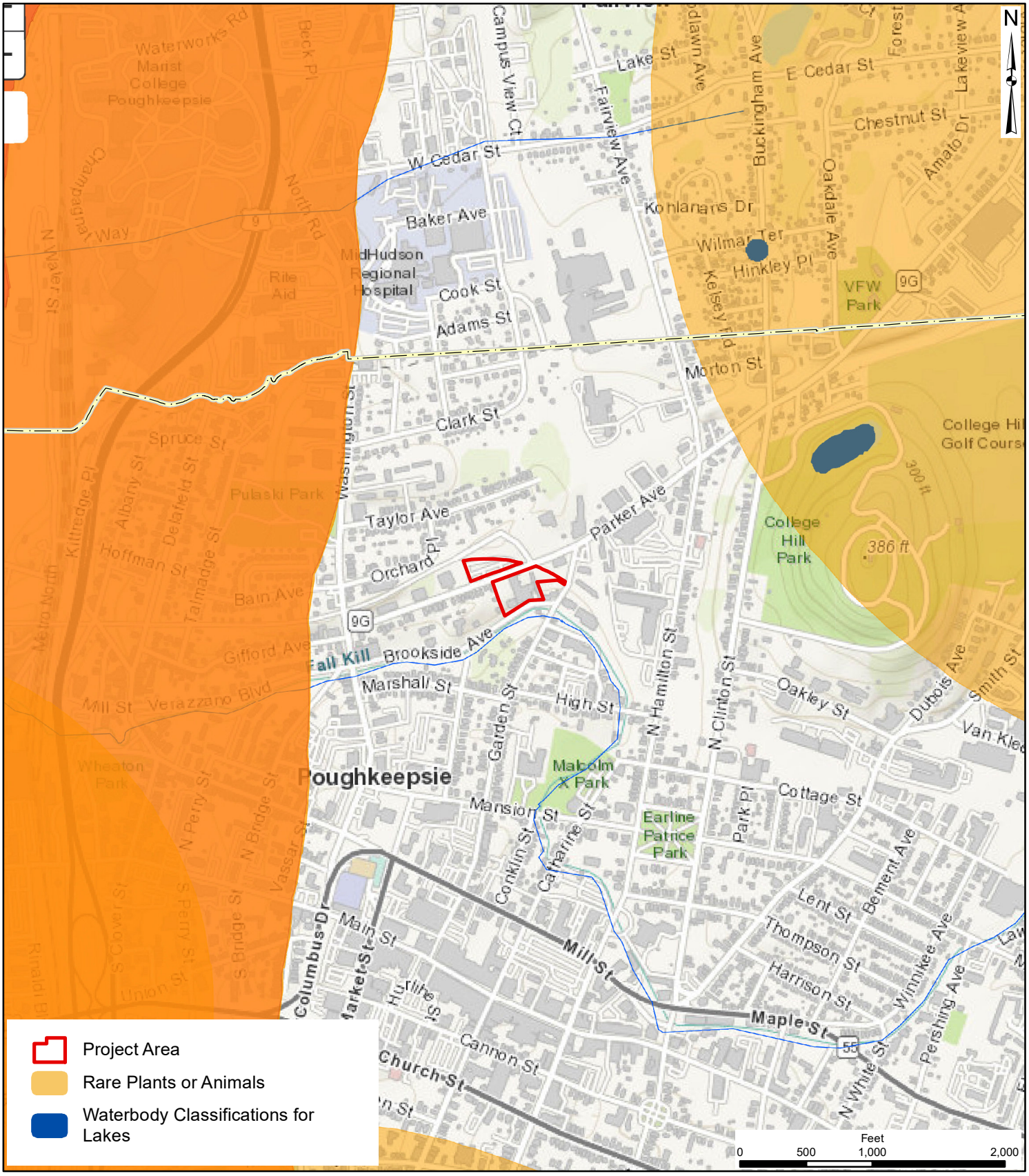
*Scenic Hudson Workspace*

# NYSOPRHP
# Cultural Resource Information System (CRIS) Map

58 Parker Ave, City of Poughkeepsie - Dutchess County, NY

| | |
|---|---|
| Drawn: | RL-B |
| Date: | 07/29/2021 |
| Scale: | 1 inch = 500 feet |
| Project: | 82105 |
| Figure: | 3 |

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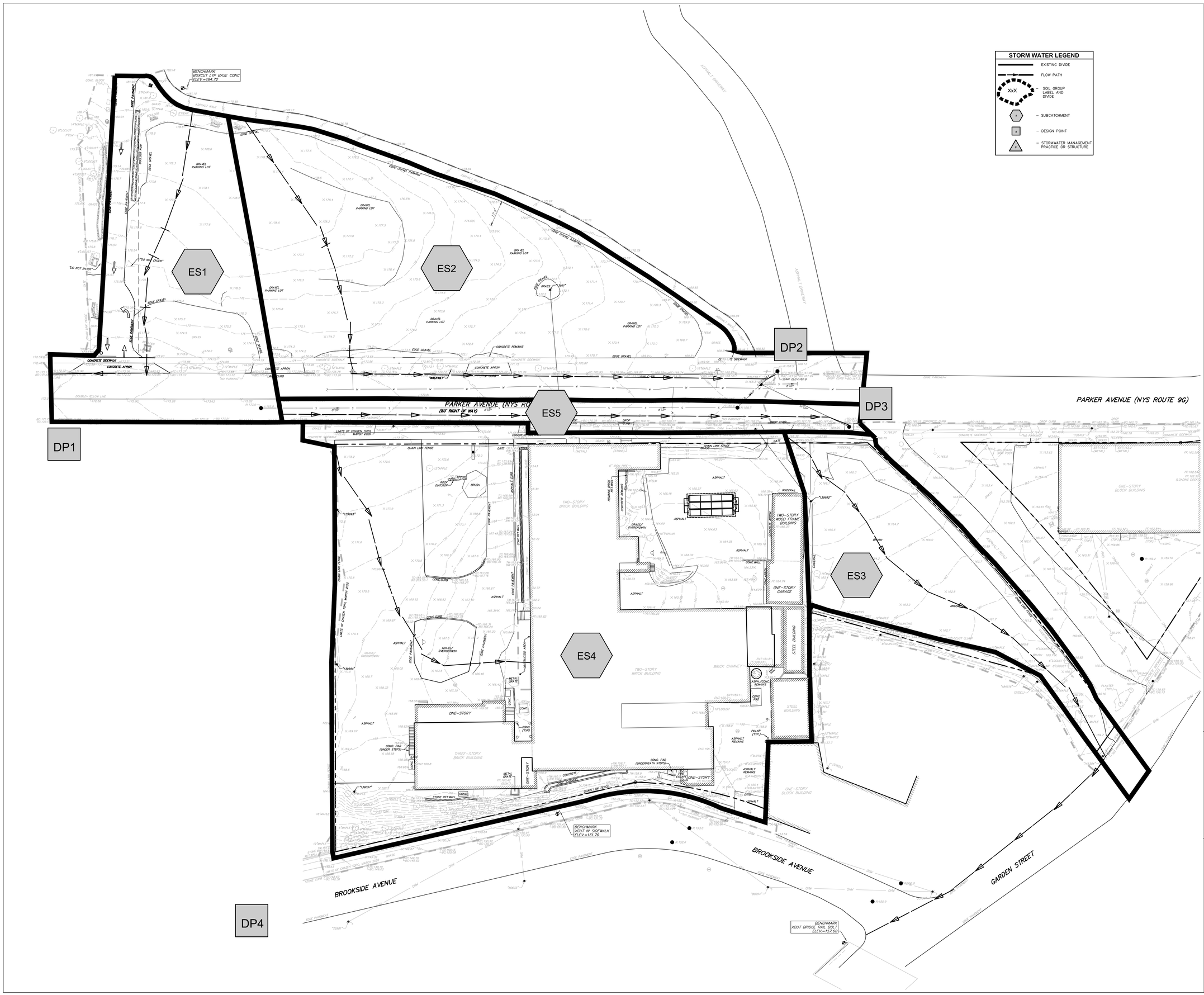
***Scenic Hudson Workspace***

# NYSDEC Environmental Resource Map

58 Parker Ave, City of Poughkeepsie - Dutchess County, NY

| | |
|---|---|
| Drawn: | RL-B |
| Date: | 07/29/2021 |
| Scale: | 1 inch = 1,000 feet |
| Project: | 82105 |
| Figure: | 4 |

Document Path: E:\NY_Projects\82105\82105_DECERM_8x11.mxd




REV

| No. | Description | ISSUE Date |
|---|---|---|

NOTES

Architect

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Civil Engineering

CHAZEN

21 FOX ST
POUGHKEEPSIE NY 12601

Structural Engineer

SILMAN

32 OLD SLIP
NEW YORK NY 10005

Sustainability Engineer

TRANSSOLAR KLIMA ENGINEERING

200 EAST 23RD STREET

SUITE 403
NEW YORK NY 10010

MEP Engineer

VANDERWEIL ENGINEERS

1001 6TH AVE
NEW YORK NY 10018

FP AND Code Consultant

HOWE ENGINEERS

101 LONGWATER CIRCLE
SUITE 203
NORWELL MA 02061

Lighting Consultant

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NEW YORK NY 10018

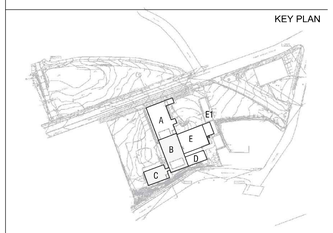
Acoustic Consultant

WSDG

262 MARTIN AVE
HIGHLAND NY 12528

STAMP + SIGNATURE

KEY PLAN




MASS.

Owner:
NORTHSIDE JUNCTION LLC,
1 CIVIC CENTER PLAZA STE 200
POUGHKEEPSIE, NY, 12601

58 PARKER AVE
POUGHKEEPSIE NY 12601

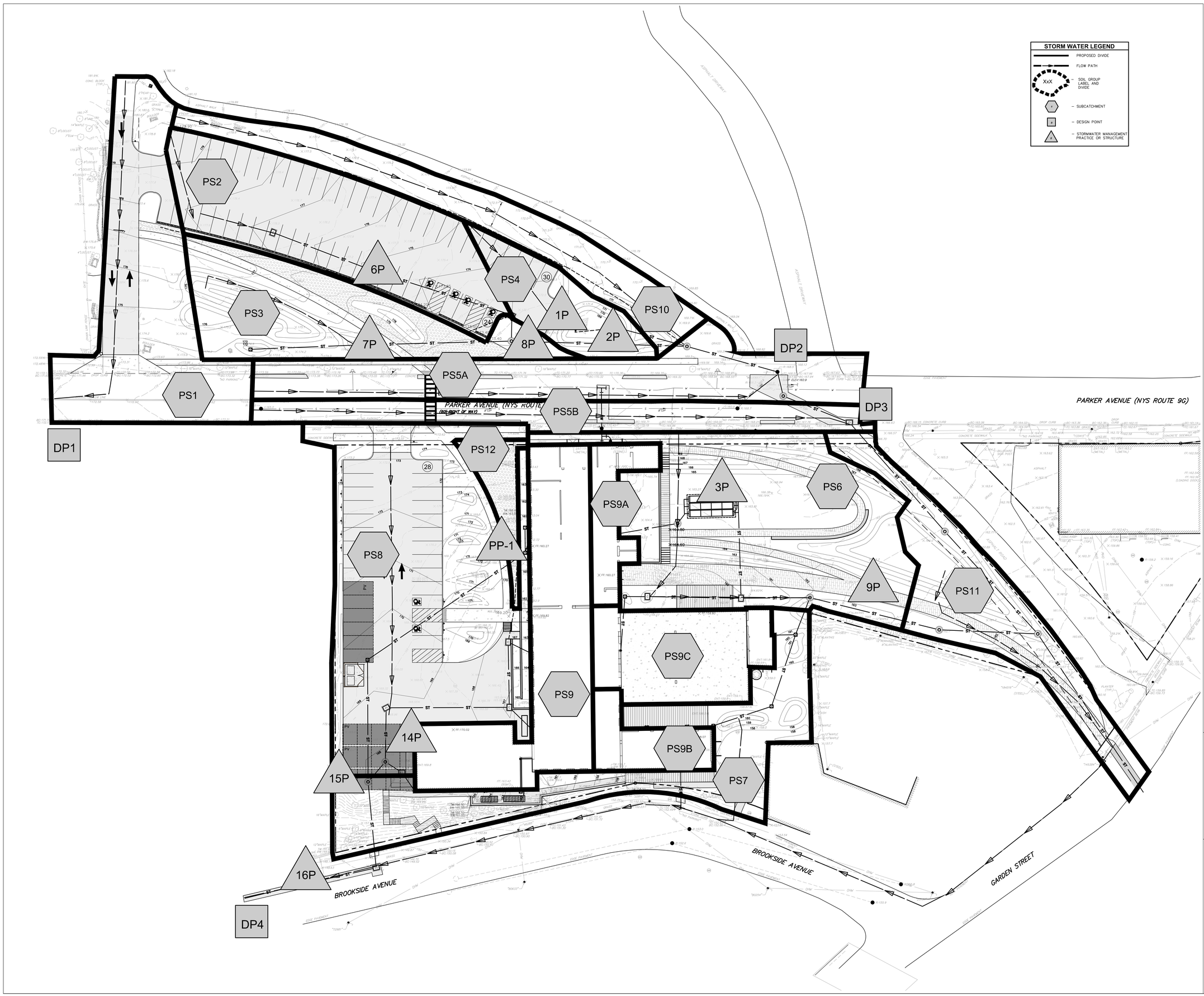
PLANNING BOARD SUBMISSION

PRE-DEVELOPMENT
WATERSHED MAP

TRUE NORTH

FIG 5

SCALE: 1"=20'




| REV | | ISSUE |
|---|---|---|
| No. | Description | Date |

NOTES

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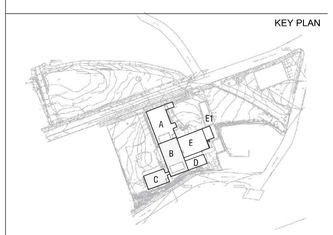
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POUGHKEEPSIE, NY, 12601

58 PARKER AVE
POUGHKEEPSIE NY 12601

PLANNING BOARD SUBMISSION

POST-DEVELOPMENT
WATERSHED MAP

TRUE NORTH

FIG 6

SCALE: 1"=20'

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# Appendix H:
# Chazen Certifying Professionals Letter

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Poughkeepsie, NY 12601
P: 845.454.3980 or 888.539.9073
www.chazencompanies.com

January 29, 2020

To Whom it May Concern:

In accordance with the NYSDEC SPDES General Permit GP-0-20-001, part VII.H.2, the New York State licensed Professional Engineers employed by the Chazen Companies and listed on the attachment to this letter are duly authorized to sign and seal Stormwater Pollution Prevention Plan (SWPPPs), NOIs, and NOTs prepared under their direct supervision.

Sincerely,

Richard M. Loewenstein, Jr., P.E.
Chief Executive Officer

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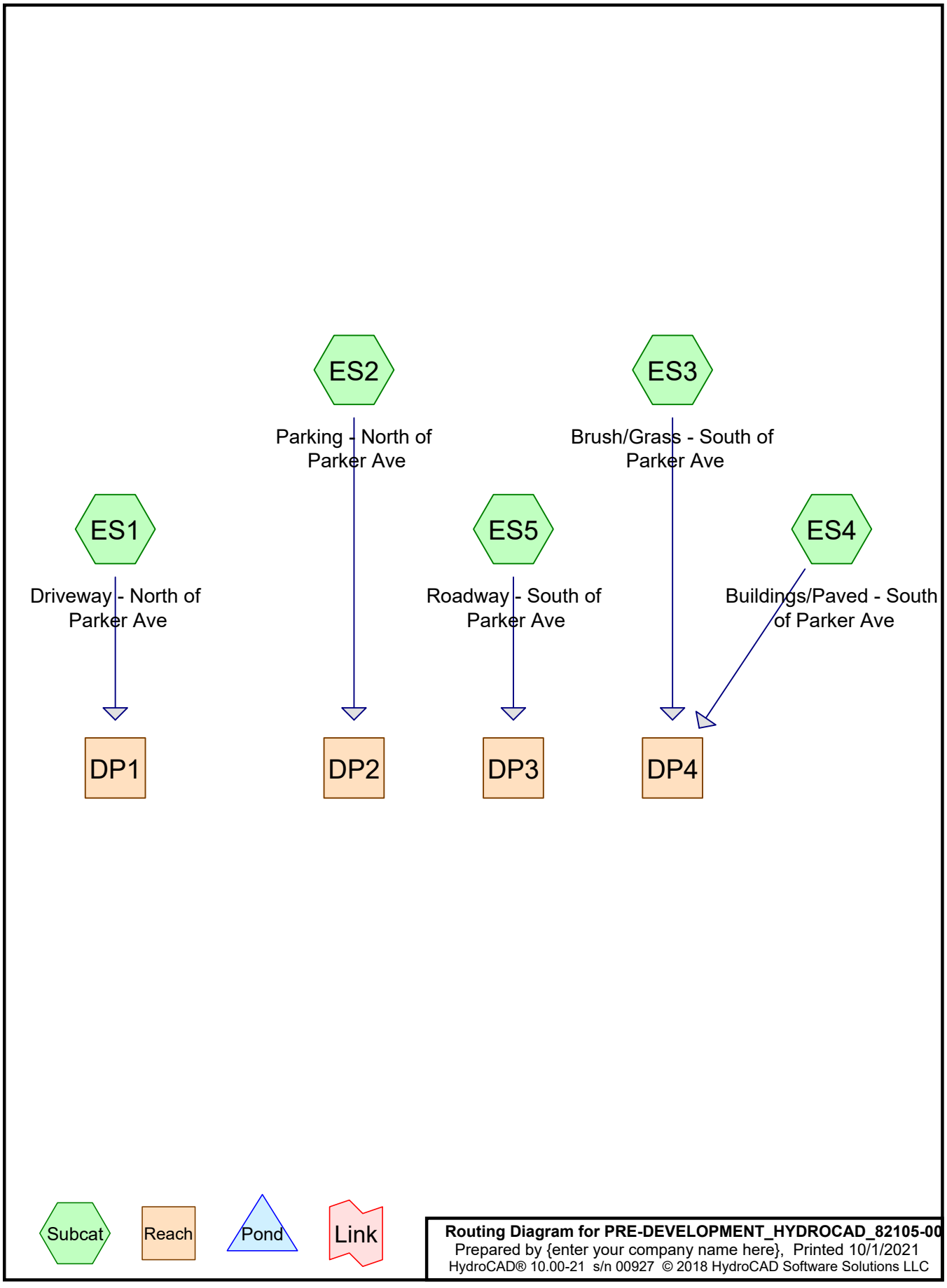
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P: 845.454.3980 or 888.539.9073
www.chazencompanies.com

**Chazen Professional Engineers duly authorized to sign and seal SWPPPs, NOIs, and NOTs**

| Name: | Position: | Signature: | Date: |
|---|---|---|---|
| Joseph Lanaro, P.E. | Vice President of Engineering | | 1/30/2020 |
| James Connors, P.E. | Senior Director | | 1/30/2020 |
| Christopher Lapine, P.E. | Director | Christopher Lapine | 1/31/2020 |
| Roger Keating, P.E. | Director | | 1/30/2020 |
| Peter Romano, P.E. | Director | | 1/31/2020 |
| Walter Kubow, P.E. | Manager | | 1/29/2020 |
| Eric Johnson, P.E. | Director | Eric P. Johnson | 1/30/2020 |
| George Cronk, P.E. | Director | | 1/31/2020 |
| Sean Doty, P.E. | Director | | 1/31/2020 |
| Michael Flanagan, P.E. | Sr. Project Engineer/Project Manager | | 1/31/2020 |
| Kyle Ahearn, P.E. | Project Manager | | 1/31/2020 |

# Appendix I:
# Pre-Development Stormwater Modeling

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ES2
Parking - North of Parker Ave
ES3
Brush/Grass - South of Parker Ave
ES1
Driveway - North of Parker Ave
ES5
Roadway - South of Parker Ave
ES4
Buildings/Paved - South of Parker Ave
DP1
DP2
DP3
DP4
Subcat
Reach
Pond
Link
Routing Diagram for PRE-DEVELOPMENT_HYDROCAD_82105-00
Prepared by {enter your company name here}, Printed 10/1/2021
HydroCAD® 10.00-21 s/n 00927 © 2018 HydroCAD Software Solutions LLC

## Summary for Subcatchment ES1: Driveway - North of Parker Ave

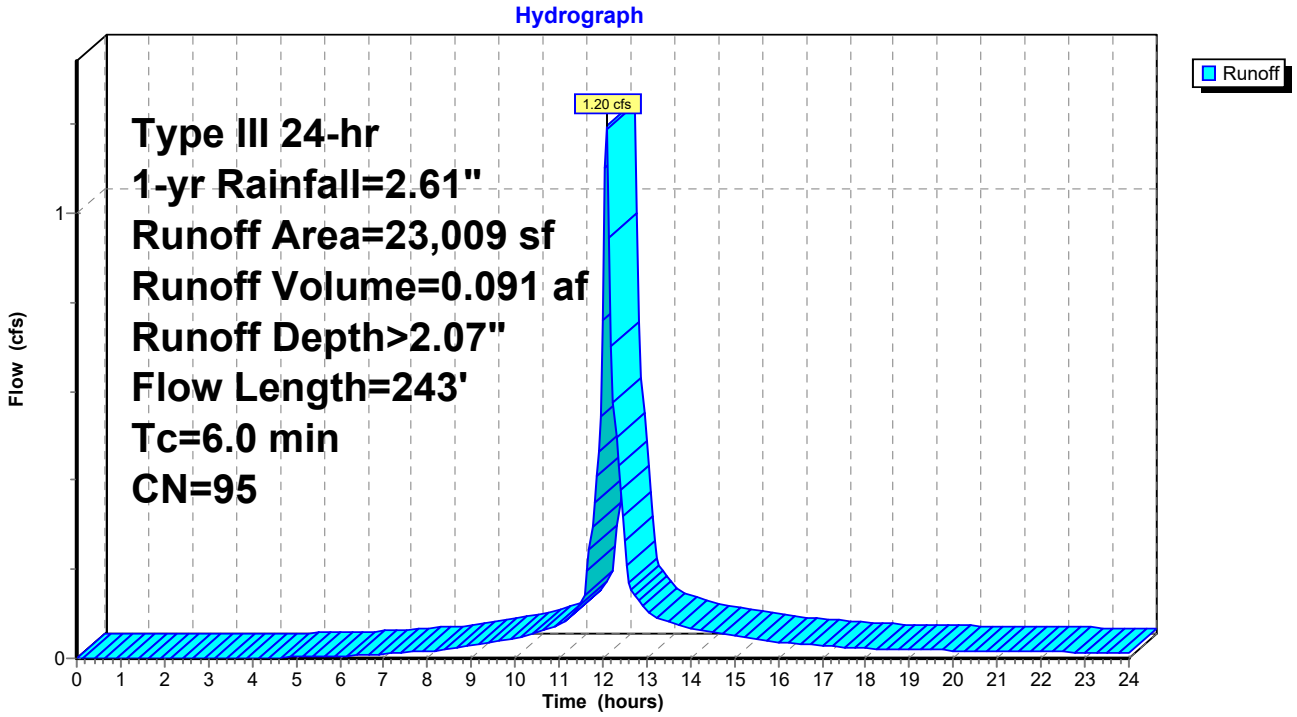
Runoff = 1.20 cfs @ 12.09 hrs, Volume= 0.091 af, Depth> 2.07"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 1-yr Rainfall=2.61"

| | Area (sf) | CN | Description |
|---|---|---|---|
| | 8,960 | 98 | Paved parking, HSG D |
| * | 9,263 | 98 | Gravel parking, HSG D |
| | 4,786 | 84 | 50-75% Grass cover, Fair, HSG D |
| | 23,009 | 95 | Weighted Average |
| | 4,786 | | 20.80% Pervious Area |
| | 18,223 | | 79.20% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 2.1 | 11 | 0.0118 | 0.09 | | **Sheet Flow, 11 feet grass @ 11.8%**<br>Grass: Short n= 0.150 P2= 3.16" |
| 1.0 | 89 | 0.0280 | 1.53 | | **Sheet Flow, 89 feet gravel @ 2.8%**<br>Smooth surfaces n= 0.011 P2= 3.16" |
| 0.2 | 37 | 0.0320 | 3.63 | | **Shallow Concentrated Flow, 37 feet gravel @ 3.2 %**<br>Paved Kv= 20.3 fps |
| 0.2 | 33 | 0.0510 | 3.39 | | **Shallow Concentrated Flow, 33 feet grass @ 5.2%**<br>Grassed Waterway Kv= 15.0 fps |
| 0.4 | 73 | 0.0270 | 3.34 | | **Shallow Concentrated Flow, 77 feet Concrete/HMA @ 2.7%**<br>Paved Kv= 20.3 fps |
| 3.9 | 243 | Total, Increased to minimum Tc = 6.0 min | | | |

## Subcatchment ES1: Driveway - North of Parker Ave



## Summary for Subcatchment ES2: Parking - North of Parker Ave

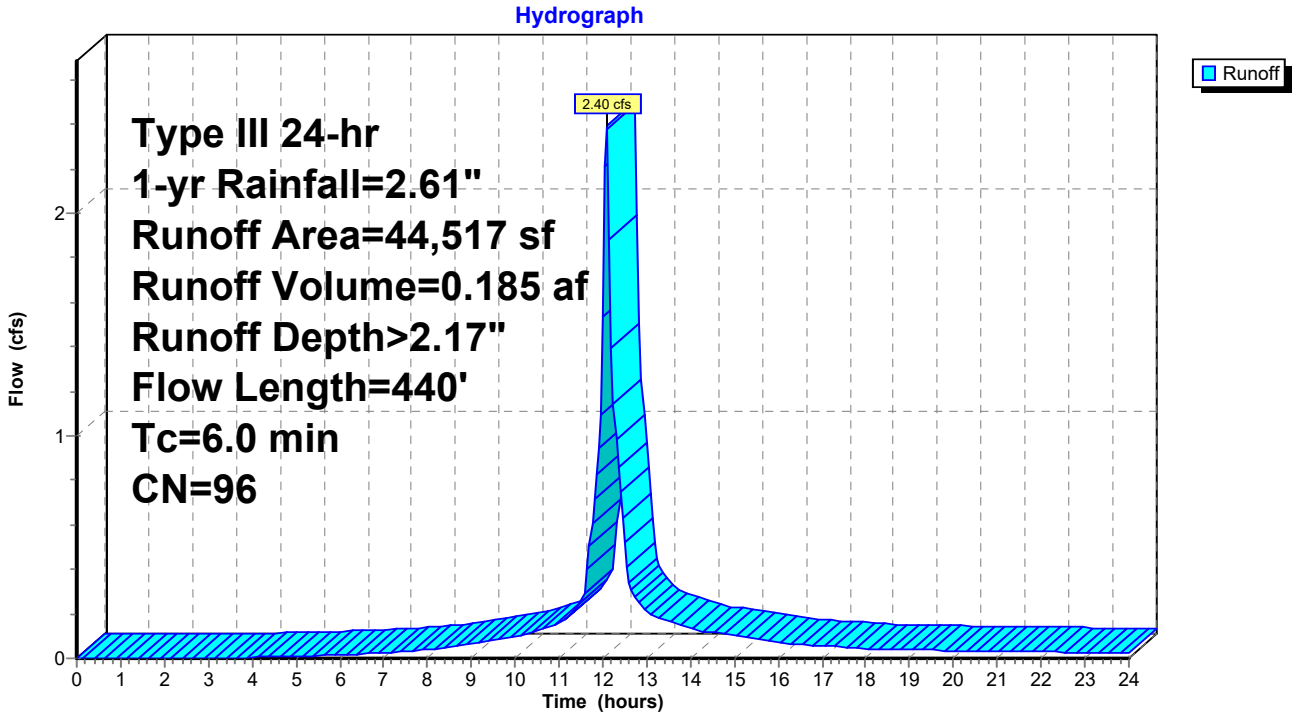
Runoff = 2.40 cfs @ 12.09 hrs, Volume= 0.185 af, Depth> 2.17"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 1-yr Rainfall=2.61"

| | Area (sf) | CN | Description |
|---|---|---|---|
| | 9,258 | 98 | Paved parking, HSG D |
| * | 30,273 | 98 | Gravel parking, HSG D |
| | 4,986 | 84 | 50-75% Grass cover, Fair, HSG D |
| | 44,517 | 96 | Weighted Average |
| | 4,986 | | 11.20% Pervious Area |
| | 39,531 | | 88.80% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 0.8 | 9 | 0.0880 | 0.19 | | **Sheet Flow, 9 feet grass @ 8.8%**<br>Grass: Short n= 0.150 P2= 3.16" |
| 1.4 | 91 | 0.0110 | 1.06 | | **Sheet Flow, 91 feet gravel @ 1.1%**<br>Smooth surfaces n= 0.011 P2= 3.16" |
| 0.3 | 72 | 0.0390 | 4.01 | | **Shallow Concentrated Flow, 72 feet gravel @ 3.9%**<br>Paved Kv= 20.3 fps |
| 0.1 | 5 | 0.0420 | 1.43 | | **Shallow Concentrated Flow, 5 feet grass @4.2%**<br>Short Grass Pasture Kv= 7.0 fps |
| 0.0 | 4 | 0.0150 | 2.49 | | **Shallow Concentrated Flow, 4 feet concrete @ 1.5%**<br>Paved Kv= 20.3 fps |
| 0.1 | 7 | 0.0320 | 1.25 | | **Shallow Concentrated Flow, 7 feet grass @ 3.2%**<br>Short Grass Pasture Kv= 7.0 fps |
| 1.5 | 252 | 0.0180 | 2.72 | | **Shallow Concentrated Flow, 282 feet HMA @ 1.8%**<br>Paved Kv= 20.3 fps |
| 4.2 | 440 | Total, Increased to minimum Tc = 6.0 min | | | |

## Subcatchment ES2: Parking - North of Parker Ave



## Summary for Subcatchment ES3: Brush/Grass - South of Parker Ave

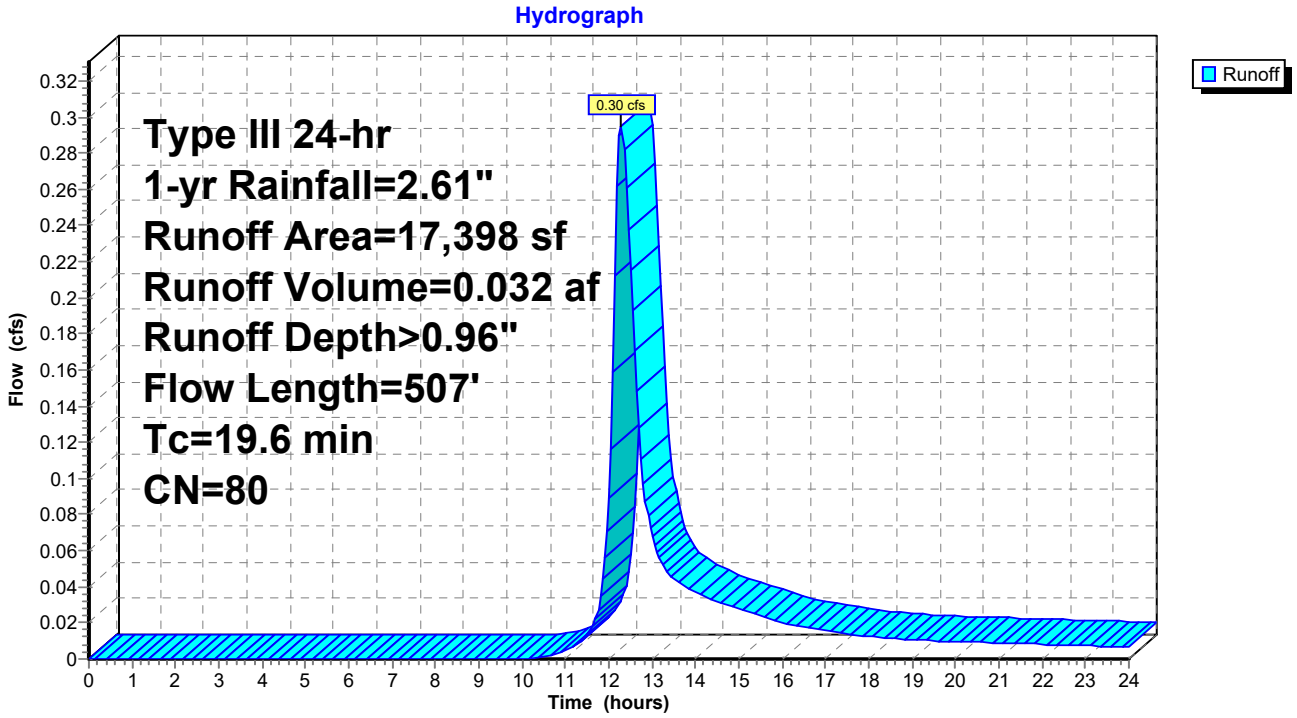
Runoff = 0.30 cfs @ 12.29 hrs, Volume= 0.032 af, Depth> 0.96"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 1-yr Rainfall=2.61"

| Area (sf) | CN | Description |
|---|---|---|
| 1,051 | 98 | Paved parking, HSG D |
| 13,241 | 77 | Brush, Fair, HSG D |
| 3,106 | 84 | 50-75% Grass cover, Fair, HSG D |
| 17,398 | 80 | Weighted Average |
| 16,347 | | 93.96% Pervious Area |
| 1,051 | | 6.04% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 3.5 | 35 | 0.0320 | 0.17 | | **Sheet Flow, 35 feet grass @ 3.2%** Grass: Short n= 0.150 P2= 3.16" |
| 11.6 | 65 | 0.0400 | 0.09 | | **Sheet Flow, 65 feet brush @ 4.0%** Woods: Light underbrush n= 0.400 P2= 3.16" |
| 4.2 | 199 | 0.0250 | 0.79 | | **Shallow Concentrated Flow, 199 feet brush @ 2.5%** Woodland Kv= 5.0 fps |
| 0.3 | 208 | 0.3070 | 11.25 | | **Shallow Concentrated Flow, 208 feet HMA @ 2.0%** Paved Kv= 20.3 fps |
| 19.6 | 507 | Total | | | |

## Subcatchment ES3: Brush/Grass - South of Parker Ave



## Summary for Subcatchment ES4: Buildings/Paved - South of Parker Ave

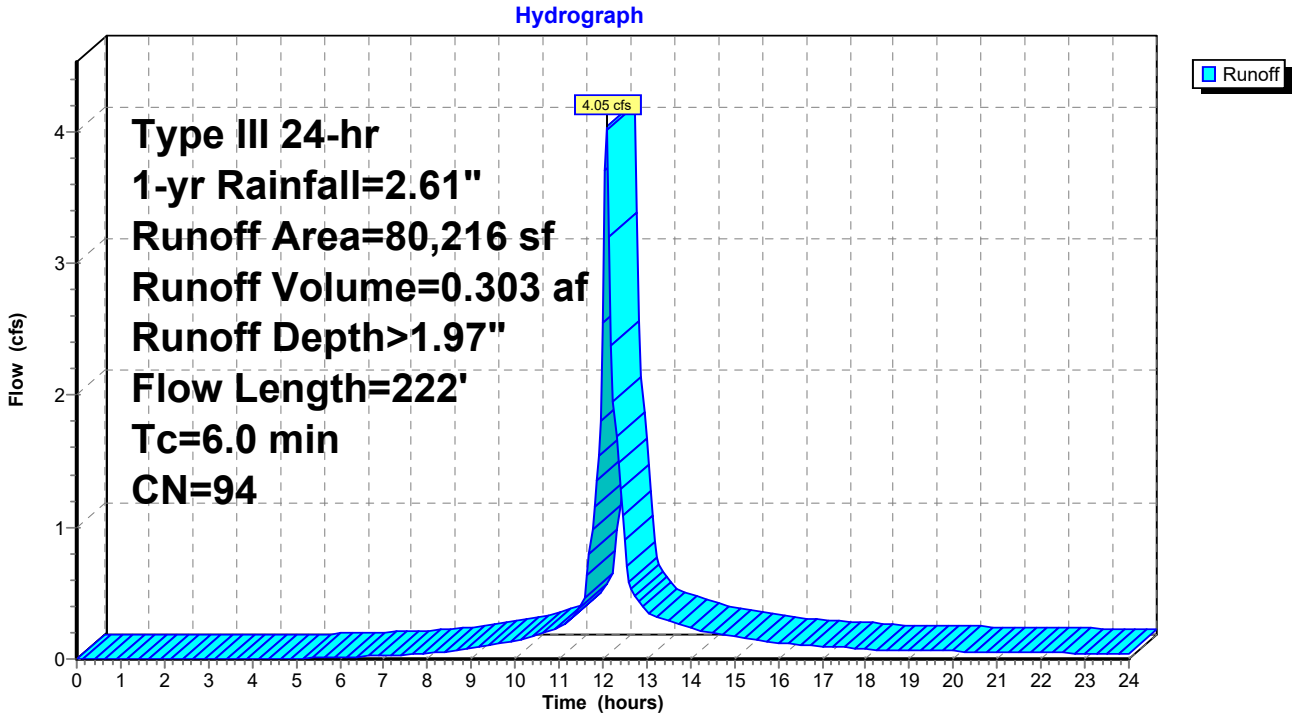
Runoff = 4.05 cfs @ 12.09 hrs, Volume= 0.303 af, Depth> 1.97"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 1-yr Rainfall=2.61"

| Area (sf) | CN | Description |
|---|---|---|
| 65,157 | 98 | Paved parking, HSG D |
| 10,238 | 77 | Brush, Fair, HSG D |
| 4,821 | 84 | 50-75% Grass cover, Fair, HSG D |
| 80,216 | 94 | Weighted Average |
| 15,059 | | 18.77% Pervious Area |
| 65,157 | | 81.23% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 1.0 | 100 | 0.0320 | 1.65 | | **Sheet Flow, 100 feet impervious @ 3.2%** Smooth surfaces n= 0.011 P2= 3.16" |
| 0.2 | 36 | 0.0330 | 3.69 | | **Shallow Concentrated Flow, 36 feet impervious @ 3.3%** Paved Kv= 20.3 fps |
| 0.5 | 46 | 0.0540 | 1.63 | | **Shallow Concentrated Flow, 46 feet brush @ 5.4%** Short Grass Pasture Kv= 7.0 fps |
| 0.3 | 40 | 0.0110 | 2.13 | | **Shallow Concentrated Flow, 40 feet impervious @ 1%** Paved Kv= 20.3 fps |
| 2.0 | 222 | Total, Increased to minimum Tc = 6.0 min | | | |

## Subcatchment ES4: Buildings/Paved - South of Parker Ave



## Summary for Subcatchment ES5: Roadway - South of Parker Ave

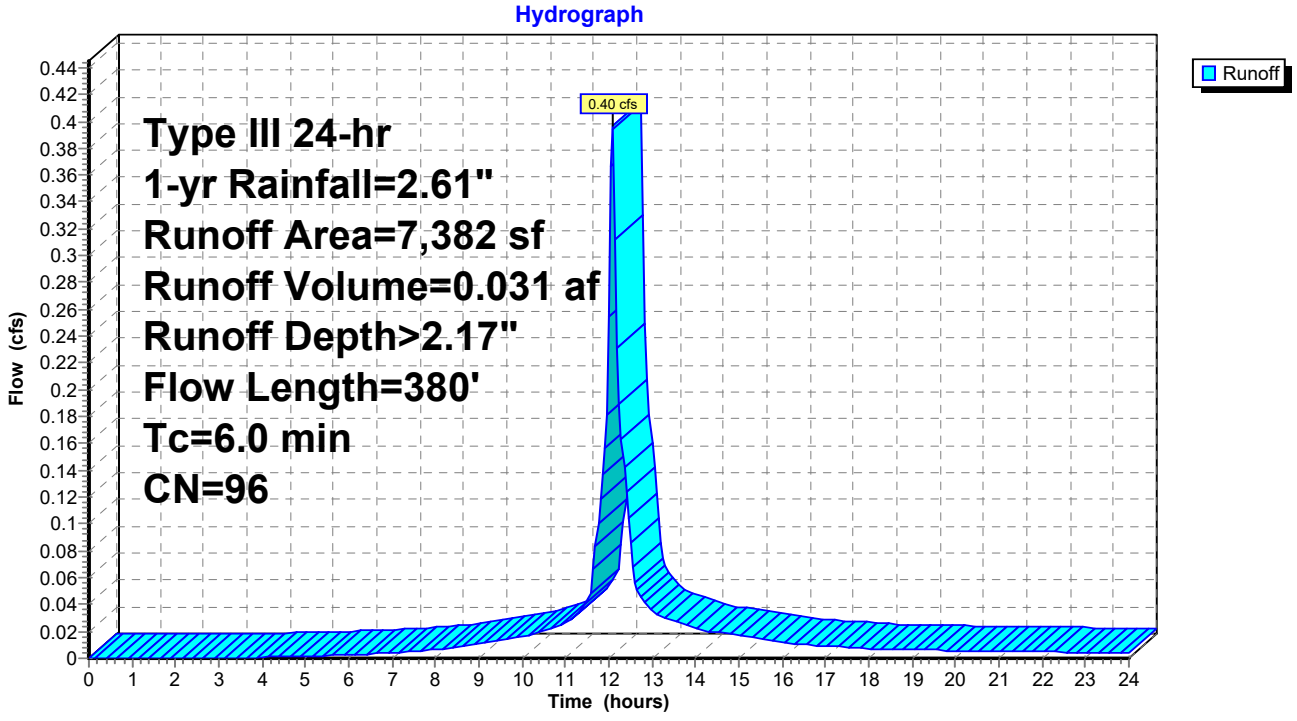
Runoff = 0.40 cfs @ 12.09 hrs, Volume= 0.031 af, Depth> 2.17"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 1-yr Rainfall=2.61"

| Area (sf) | CN | Description |
|---|---|---|
| 6,142 | 98 | Paved parking, HSG D |
| 0 | 77 | Brush, Fair, HSG D |
| 1,240 | 84 | 50-75% Grass cover, Fair, HSG D |
| 7,382 | 96 | Weighted Average |
| 1,240 | | 16.80% Pervious Area |
| 6,142 | | 83.20% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 1.7 | 100 | 0.0090 | 0.99 | | **Sheet Flow, 100 feet impervious @ 0.9%** Smooth surfaces n= 0.011 P2= 3.16" |
| 1.6 | 280 | 0.0200 | 2.87 | | **Shallow Concentrated Flow, 280 feet HMA @ 2.0%** Paved Kv= 20.3 fps |
| 3.3 | 380 | Total, Increased to minimum Tc = 6.0 min | | | |

## Subcatchment ES5: Roadway - South of Parker Ave

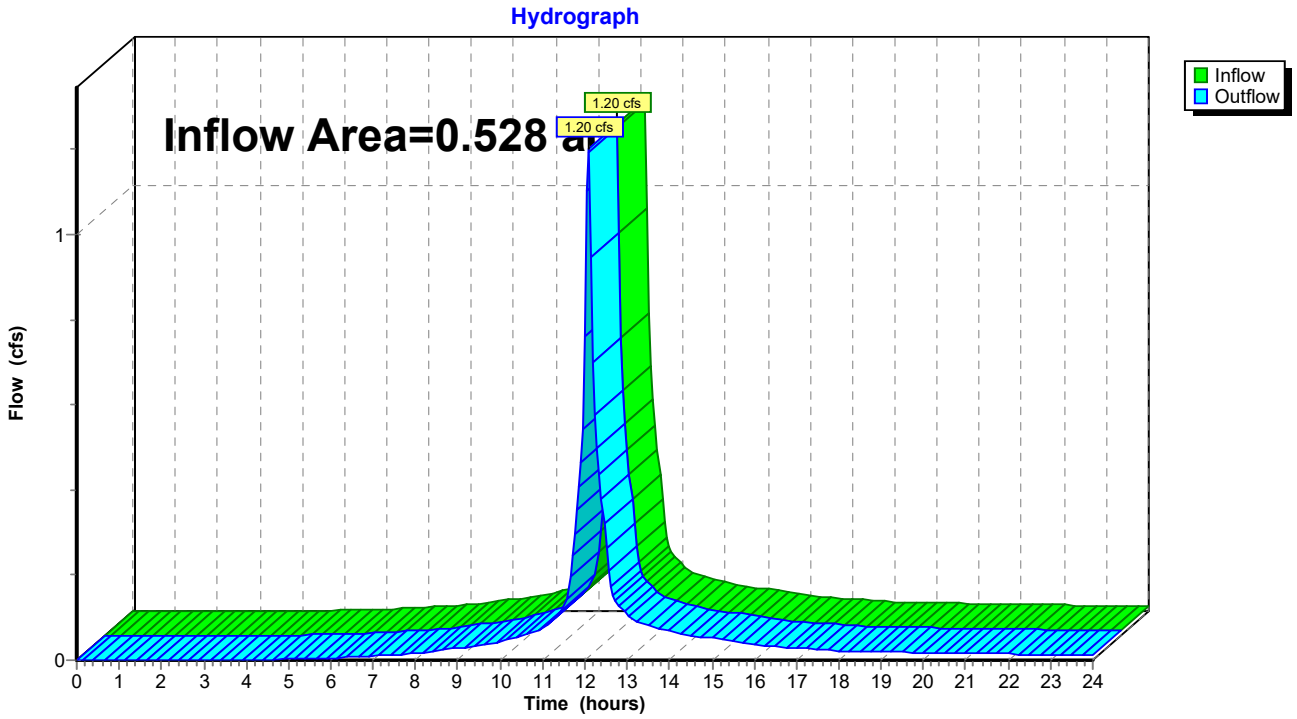


## Summary for Reach DP1:

Inflow Area = 0.528 ac, 79.20% Impervious, Inflow Depth > 2.07" for 1-yr event
Inflow = 1.20 cfs @ 12.09 hrs, Volume= 0.091 af
Outflow = 1.20 cfs @ 12.09 hrs, Volume= 0.091 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

## Reach DP1:

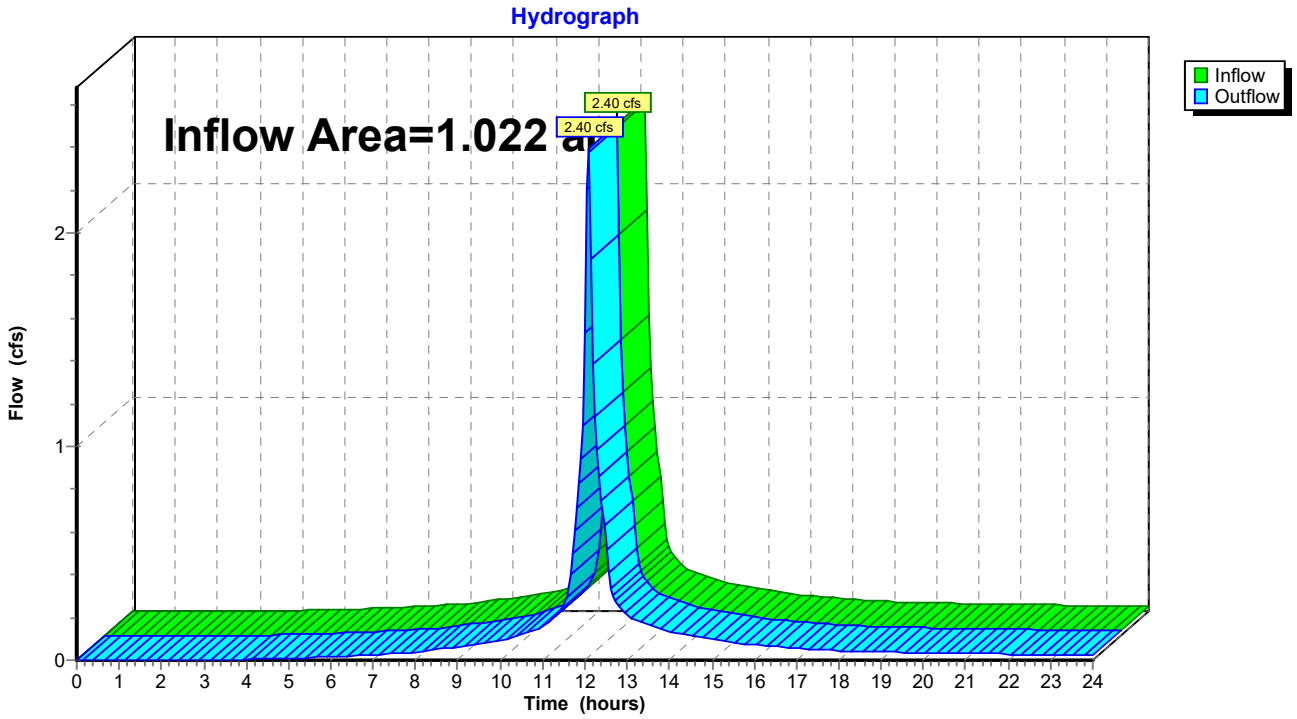


## Summary for Reach DP2:

Inflow Area = 1.022 ac, 88.80% Impervious, Inflow Depth > 2.17" for 1-yr event
Inflow = 2.40 cfs @ 12.09 hrs, Volume= 0.185 af
Outflow = 2.40 cfs @ 12.09 hrs, Volume= 0.185 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

## Reach DP2:

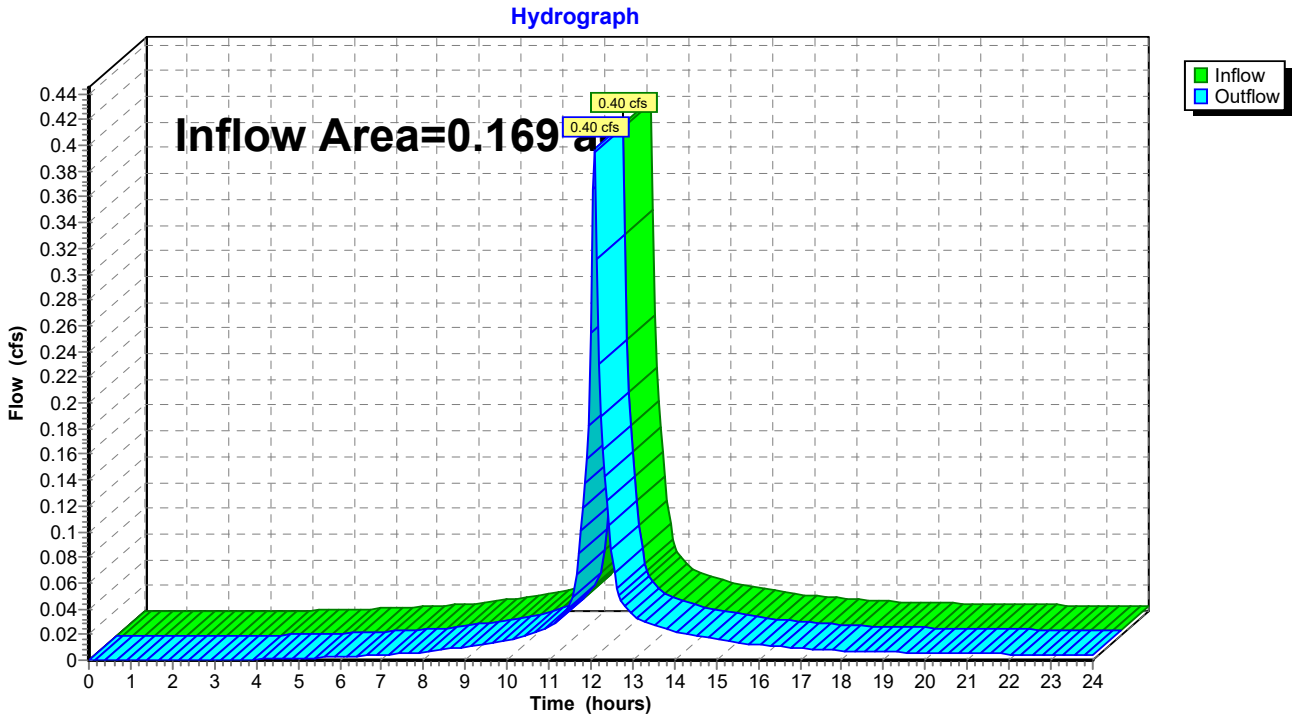


## Summary for Reach DP3:

Inflow Area = 0.169 ac, 83.20% Impervious, Inflow Depth > 2.17" for 1-yr event
Inflow = 0.40 cfs @ 12.09 hrs, Volume= 0.031 af
Outflow = 0.40 cfs @ 12.09 hrs, Volume= 0.031 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

## Reach DP3:

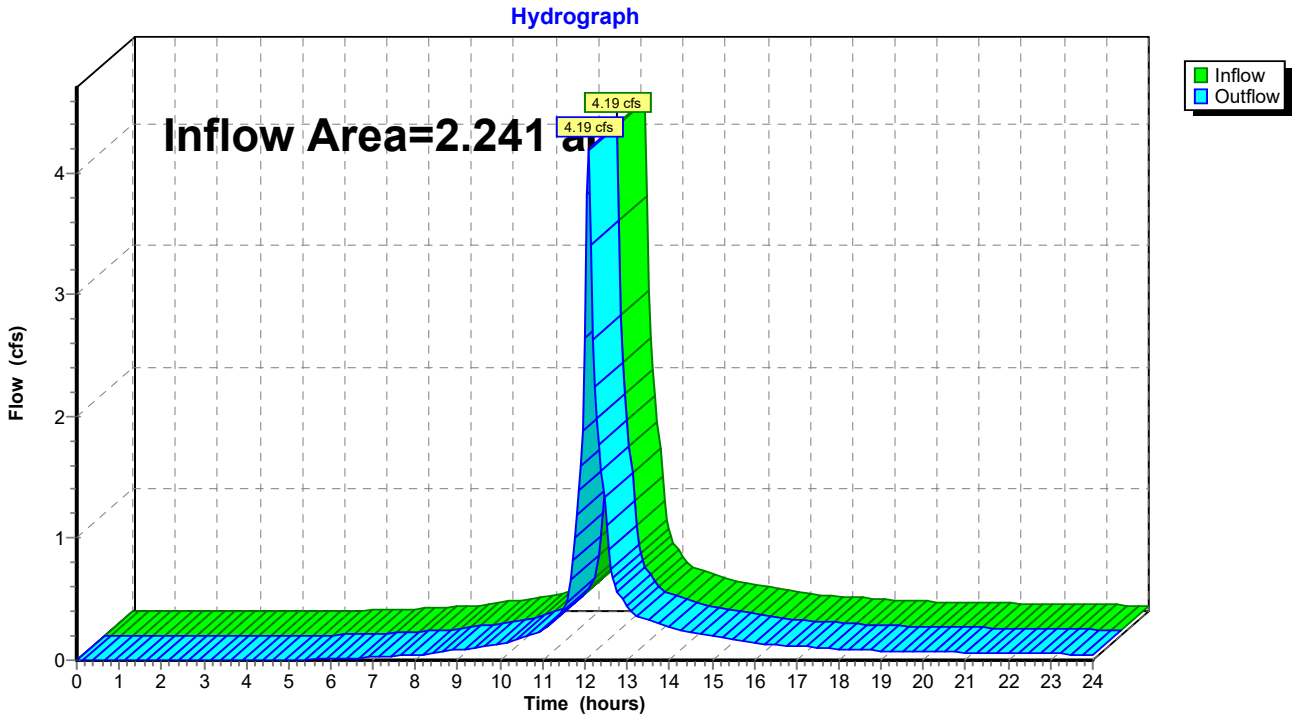


## Summary for Reach DP4:

Inflow Area = 2.241 ac, 67.83% Impervious, Inflow Depth > 1.79" for 1-yr event
Inflow = 4.19 cfs @ 12.09 hrs, Volume= 0.335 af
Outflow = 4.19 cfs @ 12.09 hrs, Volume= 0.335 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

## Reach DP4:



## Summary for Subcatchment ES1: Driveway - North of Parker Ave

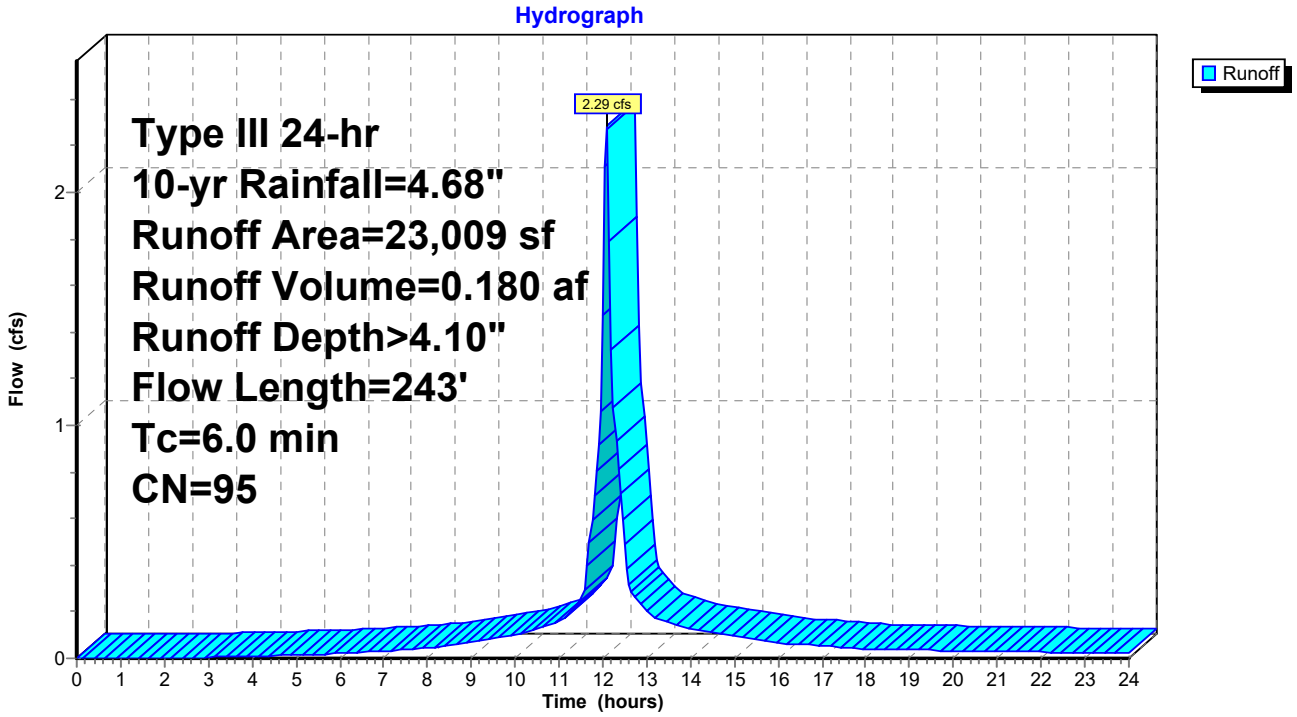
Runoff = 2.29 cfs @ 12.09 hrs, Volume= 0.180 af, Depth> 4.10"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-yr Rainfall=4.68"

| | Area (sf) | CN | Description |
|---|---|---|---|
| | 8,960 | 98 | Paved parking, HSG D |
| * | 9,263 | 98 | Gravel parking, HSG D |
| | 4,786 | 84 | 50-75% Grass cover, Fair, HSG D |
| | 23,009 | 95 | Weighted Average |
| | 4,786 | | 20.80% Pervious Area |
| | 18,223 | | 79.20% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 2.1 | 11 | 0.0118 | 0.09 | | **Sheet Flow, 11 feet grass @ 11.8%**<br>Grass: Short n= 0.150 P2= 3.16" |
| 1.0 | 89 | 0.0280 | 1.53 | | **Sheet Flow, 89 feet gravel @ 2.8%**<br>Smooth surfaces n= 0.011 P2= 3.16" |
| 0.2 | 37 | 0.0320 | 3.63 | | **Shallow Concentrated Flow, 37 feet gravel @ 3.2 %**<br>Paved Kv= 20.3 fps |
| 0.2 | 33 | 0.0510 | 3.39 | | **Shallow Concentrated Flow, 33 feet grass @ 5.2%**<br>Grassed Waterway Kv= 15.0 fps |
| 0.4 | 73 | 0.0270 | 3.34 | | **Shallow Concentrated Flow, 77 feet Concrete/HMA @ 2.7%**<br>Paved Kv= 20.3 fps |
| 3.9 | 243 | Total, Increased to minimum Tc = 6.0 min | | | |

## Subcatchment ES1: Driveway - North of Parker Ave



## Summary for Subcatchment ES2: Parking - North of Parker Ave

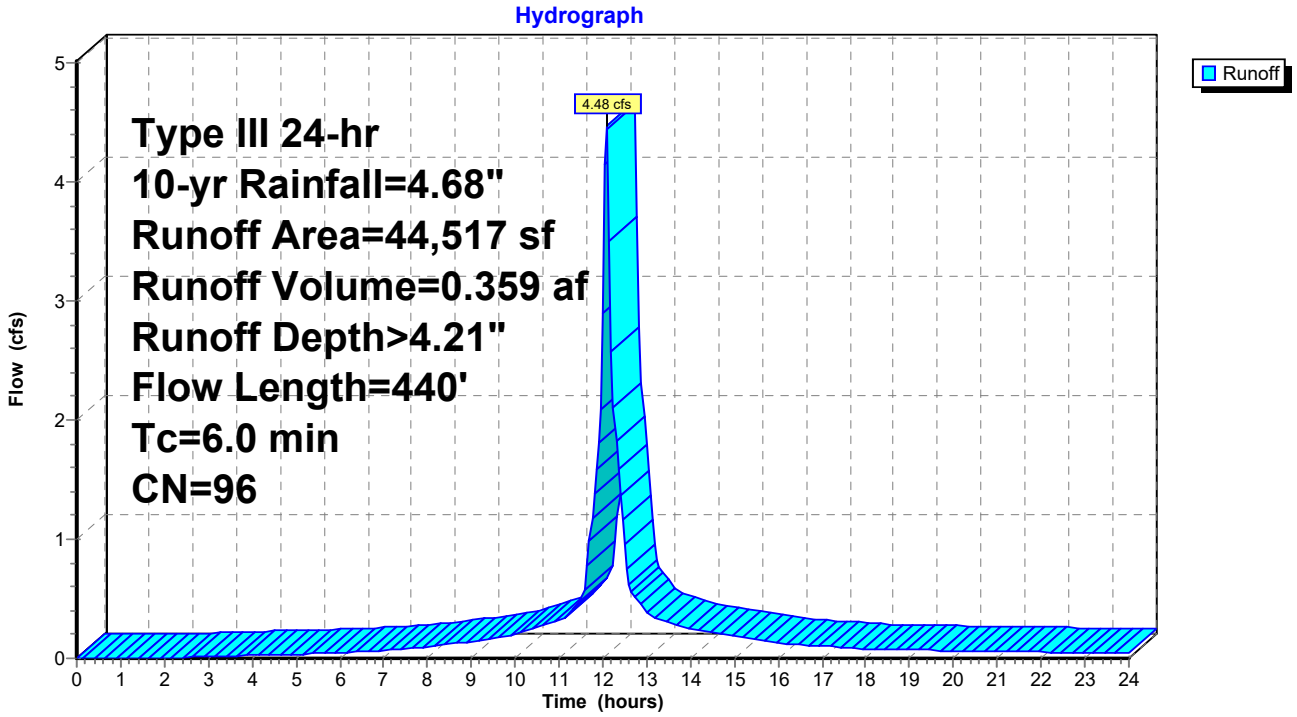
Runoff = 4.48 cfs @ 12.09 hrs, Volume= 0.359 af, Depth> 4.21"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-yr Rainfall=4.68"

| | Area (sf) | CN | Description |
|---|---|---|---|
| | 9,258 | 98 | Paved parking, HSG D |
| * | 30,273 | 98 | Gravel parking, HSG D |
| | 4,986 | 84 | 50-75% Grass cover, Fair, HSG D |
| | 44,517 | 96 | Weighted Average |
| | 4,986 | | 11.20% Pervious Area |
| | 39,531 | | 88.80% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 0.8 | 9 | 0.0880 | 0.19 | | **Sheet Flow, 9 feet grass @ 8.8%**<br>Grass: Short n= 0.150 P2= 3.16" |
| 1.4 | 91 | 0.0110 | 1.06 | | **Sheet Flow, 91 feet gravel @ 1.1%**<br>Smooth surfaces n= 0.011 P2= 3.16" |
| 0.3 | 72 | 0.0390 | 4.01 | | **Shallow Concentrated Flow, 72 feet gravel @ 3.9%**<br>Paved Kv= 20.3 fps |
| 0.1 | 5 | 0.0420 | 1.43 | | **Shallow Concentrated Flow, 5 feet grass @4.2%**<br>Short Grass Pasture Kv= 7.0 fps |
| 0.0 | 4 | 0.0150 | 2.49 | | **Shallow Concentrated Flow, 4 feet concrete @ 1.5%**<br>Paved Kv= 20.3 fps |
| 0.1 | 7 | 0.0320 | 1.25 | | **Shallow Concentrated Flow, 7 feet grass @ 3.2%**<br>Short Grass Pasture Kv= 7.0 fps |
| 1.5 | 252 | 0.0180 | 2.72 | | **Shallow Concentrated Flow, 282 feet HMA @ 1.8%**<br>Paved Kv= 20.3 fps |
| 4.2 | 440 | Total, Increased to minimum Tc = 6.0 min | | | |

## Subcatchment ES2: Parking - North of Parker Ave



## Summary for Subcatchment ES3: Brush/Grass - South of Parker Ave

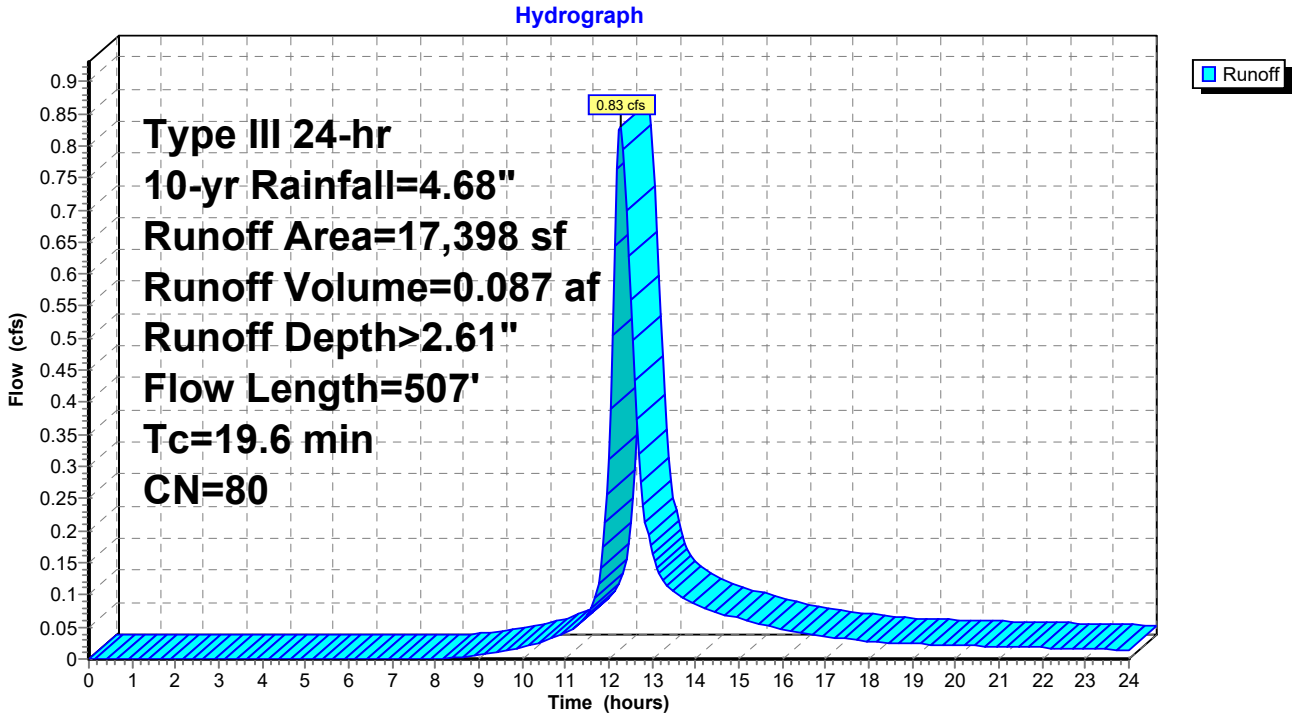
Runoff = 0.83 cfs @ 12.27 hrs, Volume= 0.087 af, Depth> 2.61"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-yr Rainfall=4.68"

| Area (sf) | CN | Description |
|---|---|---|
| 1,051 | 98 | Paved parking, HSG D |
| 13,241 | 77 | Brush, Fair, HSG D |
| 3,106 | 84 | 50-75% Grass cover, Fair, HSG D |
| 17,398 | 80 | Weighted Average |
| 16,347 | | 93.96% Pervious Area |
| 1,051 | | 6.04% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 3.5 | 35 | 0.0320 | 0.17 | | **Sheet Flow, 35 feet grass @ 3.2%** Grass: Short n= 0.150 P2= 3.16" |
| 11.6 | 65 | 0.0400 | 0.09 | | **Sheet Flow, 65 feet brush @ 4.0%** Woods: Light underbrush n= 0.400 P2= 3.16" |
| 4.2 | 199 | 0.0250 | 0.79 | | **Shallow Concentrated Flow, 199 feet brush @ 2.5%** Woodland Kv= 5.0 fps |
| 0.3 | 208 | 0.3070 | 11.25 | | **Shallow Concentrated Flow, 208 feet HMA @ 2.0%** Paved Kv= 20.3 fps |
| 19.6 | 507 | Total | | | |

## Subcatchment ES3: Brush/Grass - South of Parker Ave



## Summary for Subcatchment ES4: Buildings/Paved - South of Parker Ave

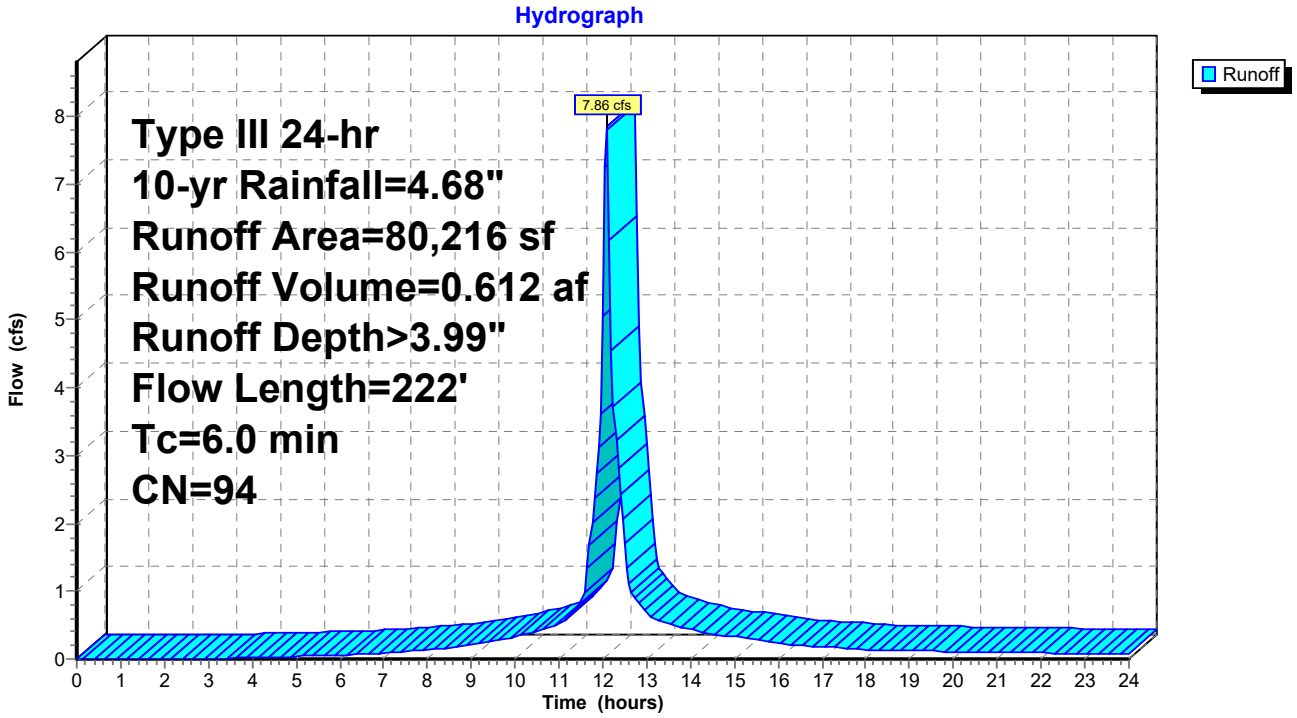
Runoff = 7.86 cfs @ 12.09 hrs, Volume= 0.612 af, Depth> 3.99"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-yr Rainfall=4.68"

| Area (sf) | CN | Description |
|---|---|---|
| 65,157 | 98 | Paved parking, HSG D |
| 10,238 | 77 | Brush, Fair, HSG D |
| 4,821 | 84 | 50-75% Grass cover, Fair, HSG D |
| 80,216 | 94 | Weighted Average |
| 15,059 | | 18.77% Pervious Area |
| 65,157 | | 81.23% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 1.0 | 100 | 0.0320 | 1.65 | | **Sheet Flow, 100 feet impervious @ 3.2%** Smooth surfaces n= 0.011 P2= 3.16" |
| 0.2 | 36 | 0.0330 | 3.69 | | **Shallow Concentrated Flow, 36 feet impervious @ 3.3%** Paved Kv= 20.3 fps |
| 0.5 | 46 | 0.0540 | 1.63 | | **Shallow Concentrated Flow, 46 feet brush @ 5.4%** Short Grass Pasture Kv= 7.0 fps |
| 0.3 | 40 | 0.0110 | 2.13 | | **Shallow Concentrated Flow, 40 feet impervious @ 1%** Paved Kv= 20.3 fps |
| 2.0 | 222 | Total, Increased to minimum Tc = 6.0 min | | | |

## Subcatchment ES4: Buildings/Paved - South of Parker Ave



## Summary for Subcatchment ES5: Roadway - South of Parker Ave

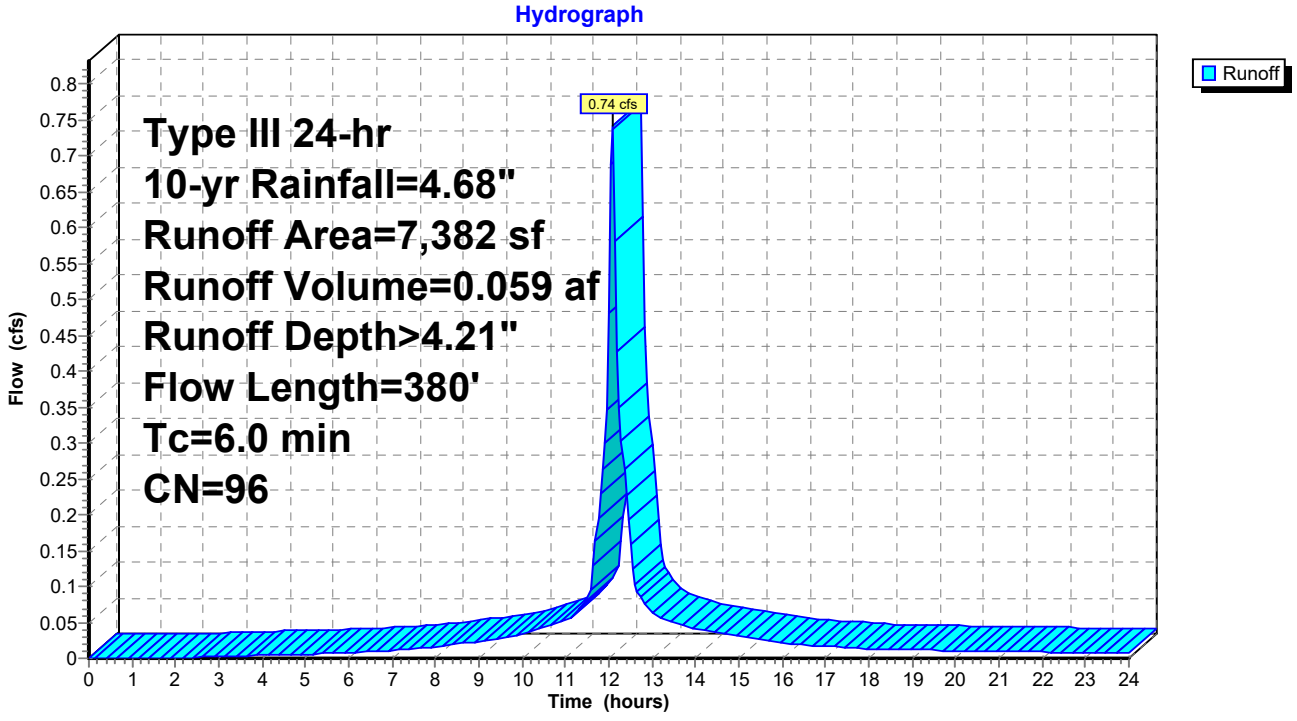
Runoff = 0.74 cfs @ 12.09 hrs, Volume= 0.059 af, Depth> 4.21"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-yr Rainfall=4.68"

| Area (sf) | CN | Description |
|---|---|---|
| 6,142 | 98 | Paved parking, HSG D |
| 0 | 77 | Brush, Fair, HSG D |
| 1,240 | 84 | 50-75% Grass cover, Fair, HSG D |
| 7,382 | 96 | Weighted Average |
| 1,240 | | 16.80% Pervious Area |
| 6,142 | | 83.20% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 1.7 | 100 | 0.0090 | 0.99 | | **Sheet Flow, 100 feet impervious @ 0.9%** Smooth surfaces n= 0.011 P2= 3.16" |
| 1.6 | 280 | 0.0200 | 2.87 | | **Shallow Concentrated Flow, 280 feet HMA @ 2.0%** Paved Kv= 20.3 fps |
| 3.3 | 380 | Total, Increased to minimum Tc = 6.0 min | | | |

## Subcatchment ES5: Roadway - South of Parker Ave

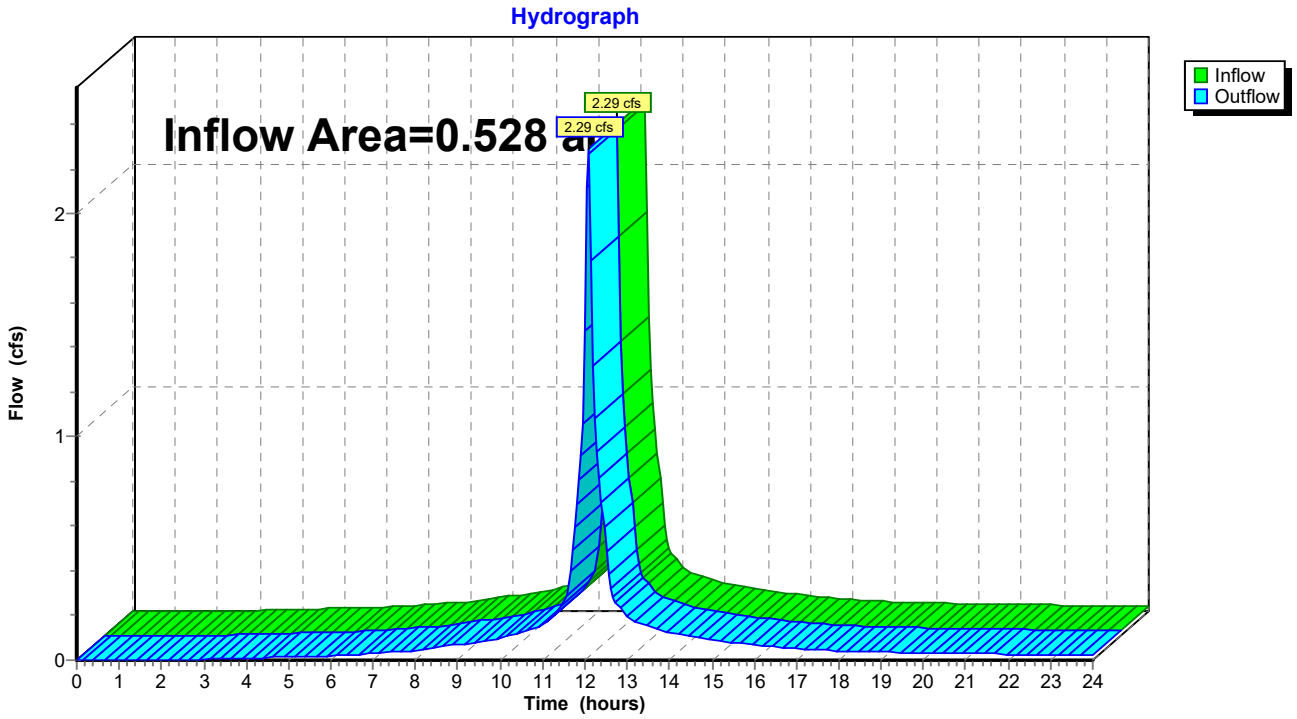


## Summary for Reach DP1:

Inflow Area = 0.528 ac, 79.20% Impervious, Inflow Depth > 4.10" for 10-yr event
Inflow = 2.29 cfs @ 12.09 hrs, Volume= 0.180 af
Outflow = 2.29 cfs @ 12.09 hrs, Volume= 0.180 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

## Reach DP1:

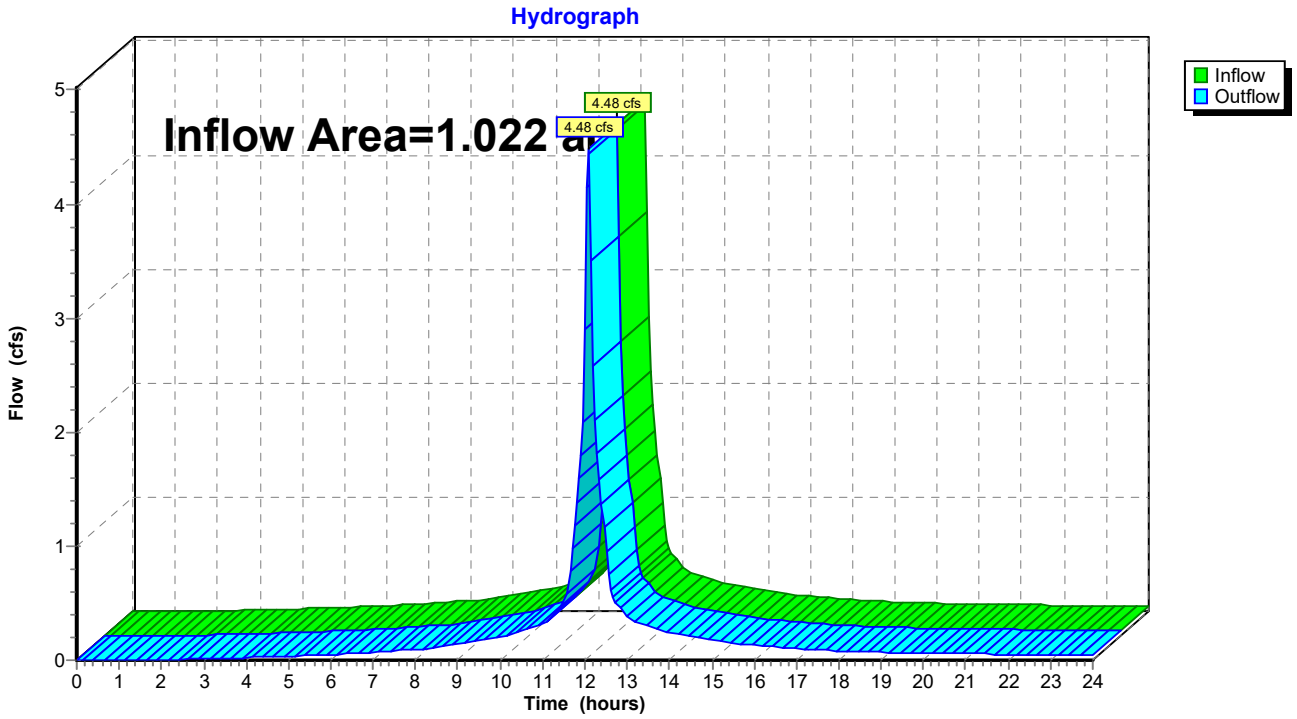


## Summary for Reach DP2:

Inflow Area = 1.022 ac, 88.80% Impervious, Inflow Depth > 4.21" for 10-yr event
Inflow = 4.48 cfs @ 12.09 hrs, Volume= 0.359 af
Outflow = 4.48 cfs @ 12.09 hrs, Volume= 0.359 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

## Reach DP2:

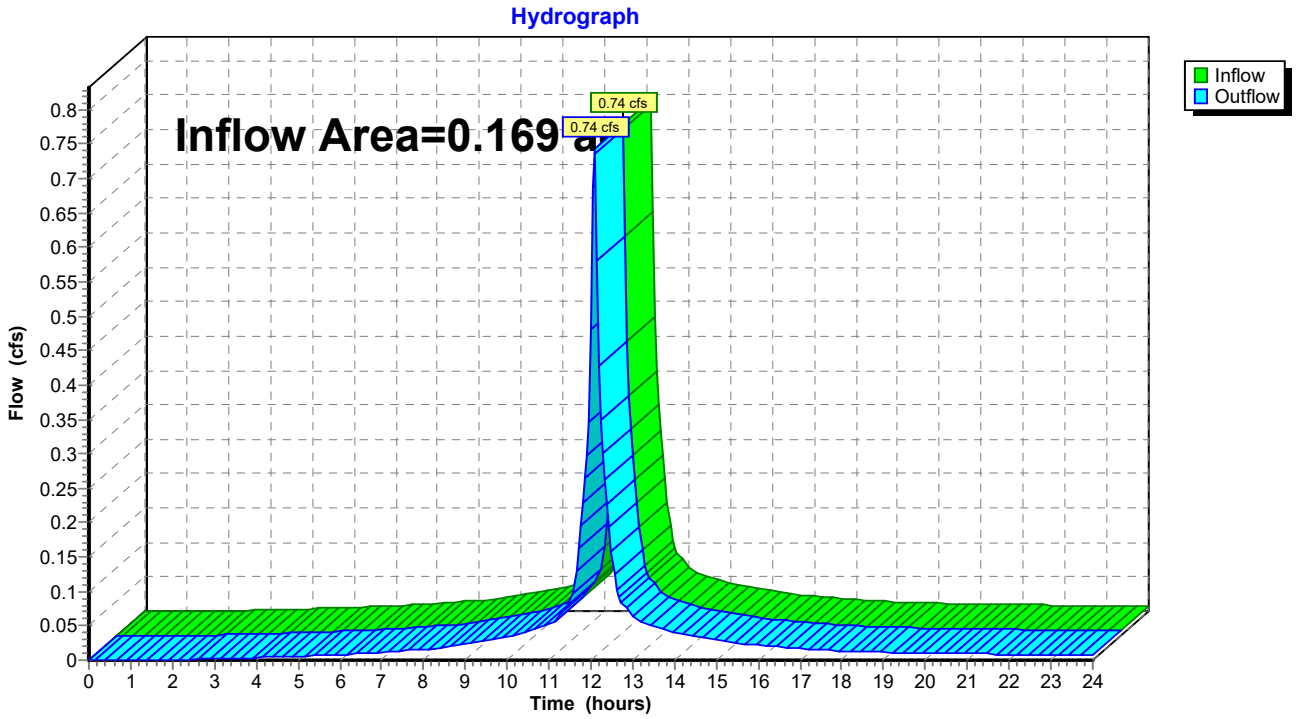


## Summary for Reach DP3:

Inflow Area = 0.169 ac, 83.20% Impervious, Inflow Depth > 4.21" for 10-yr event
Inflow = 0.74 cfs @ 12.09 hrs, Volume= 0.059 af
Outflow = 0.74 cfs @ 12.09 hrs, Volume= 0.059 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

## Reach DP3:

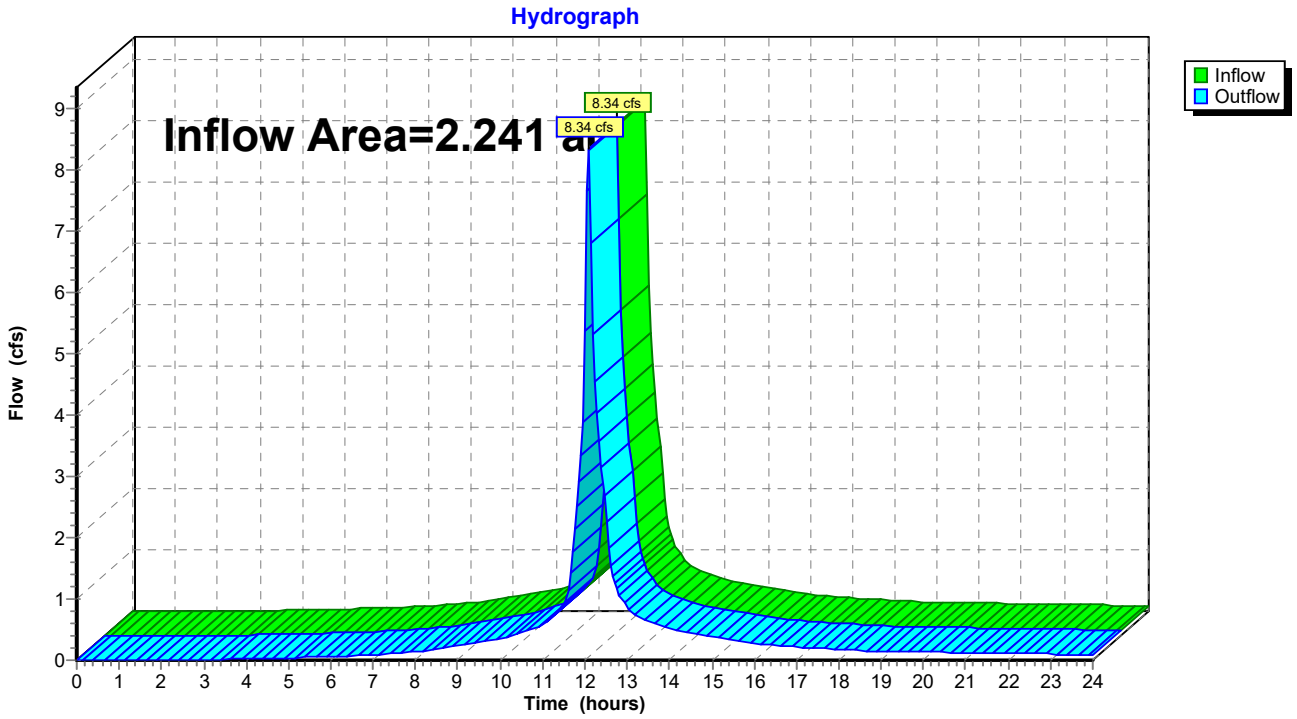


## Summary for Reach DP4:

Inflow Area = 2.241 ac, 67.83% Impervious, Inflow Depth > 3.74" for 10-yr event
Inflow = 8.34 cfs @ 12.09 hrs, Volume= 0.699 af
Outflow = 8.34 cfs @ 12.09 hrs, Volume= 0.699 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

## Reach DP4:



## Summary for Subcatchment ES1: Driveway - North of Parker Ave

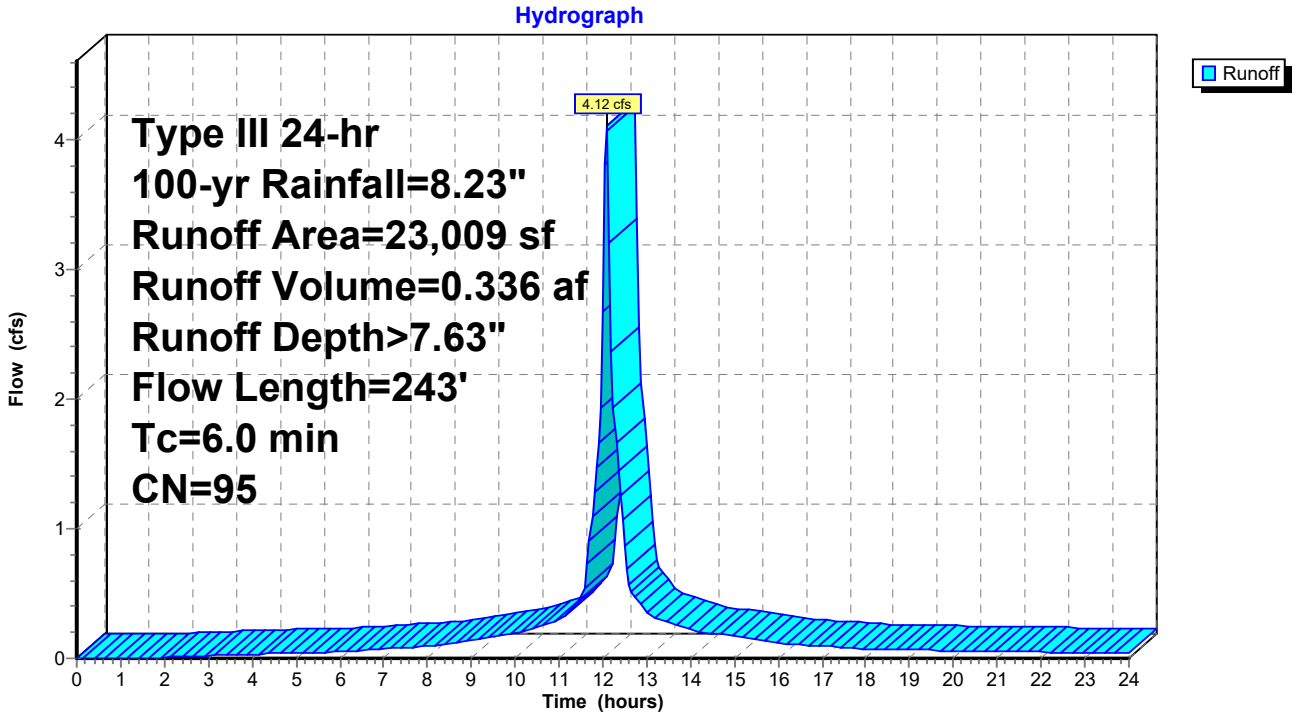
Runoff = 4.12 cfs @ 12.09 hrs, Volume= 0.336 af, Depth> 7.63"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-yr Rainfall=8.23"

| | Area (sf) | CN | Description |
|---|---|---|---|
| | 8,960 | 98 | Paved parking, HSG D |
| * | 9,263 | 98 | Gravel parking, HSG D |
| | 4,786 | 84 | 50-75% Grass cover, Fair, HSG D |
| | 23,009 | 95 | Weighted Average |
| | 4,786 | | 20.80% Pervious Area |
| | 18,223 | | 79.20% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 2.1 | 11 | 0.0118 | 0.09 | | **Sheet Flow, 11 feet grass @ 11.8%**<br>Grass: Short n= 0.150 P2= 3.16" |
| 1.0 | 89 | 0.0280 | 1.53 | | **Sheet Flow, 89 feet gravel @ 2.8%**<br>Smooth surfaces n= 0.011 P2= 3.16" |
| 0.2 | 37 | 0.0320 | 3.63 | | **Shallow Concentrated Flow, 37 feet gravel @ 3.2 %**<br>Paved Kv= 20.3 fps |
| 0.2 | 33 | 0.0510 | 3.39 | | **Shallow Concentrated Flow, 33 feet grass @ 5.2%**<br>Grassed Waterway Kv= 15.0 fps |
| 0.4 | 73 | 0.0270 | 3.34 | | **Shallow Concentrated Flow, 77 feet Concrete/HMA @ 2.7%**<br>Paved Kv= 20.3 fps |
| 3.9 | 243 | Total, Increased to minimum Tc = 6.0 min | | | |

## Subcatchment ES1: Driveway - North of Parker Ave



## Summary for Subcatchment ES2: Parking - North of Parker Ave

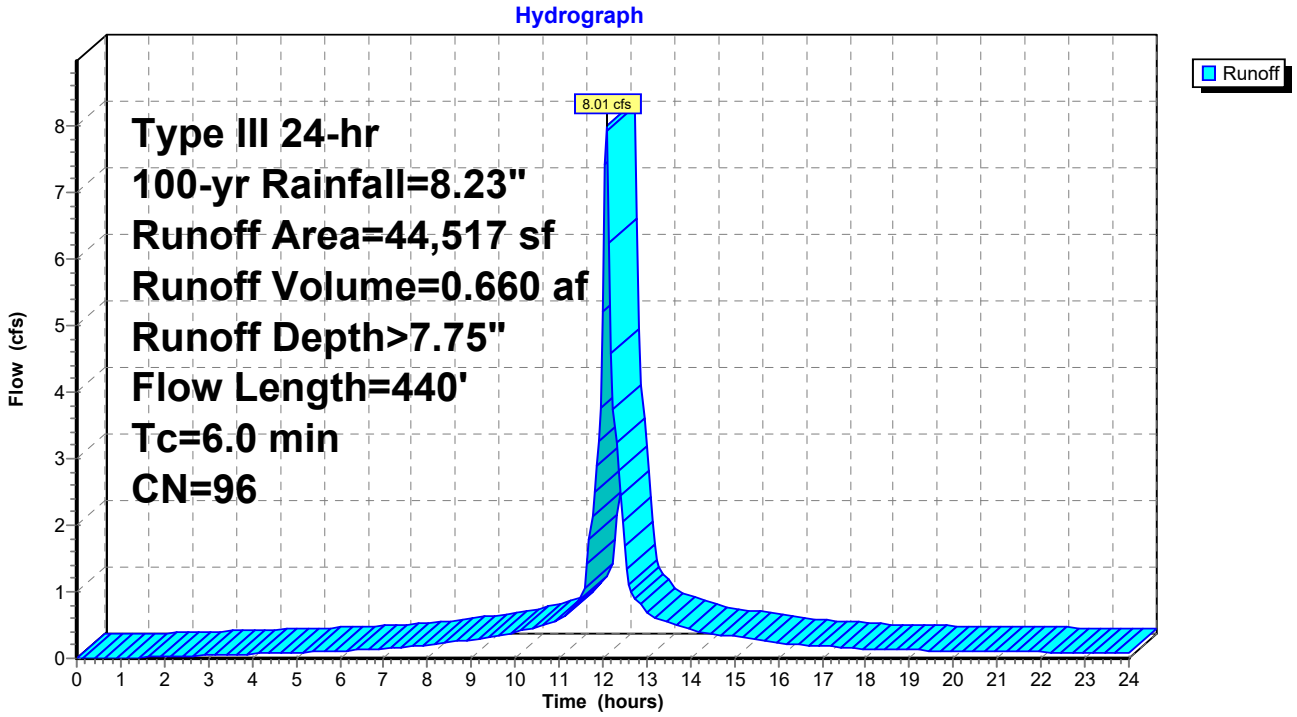
Runoff = 8.01 cfs @ 12.09 hrs, Volume= 0.660 af, Depth> 7.75"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-yr Rainfall=8.23"

| | Area (sf) | CN | Description |
|---|---|---|---|
| | 9,258 | 98 | Paved parking, HSG D |
| * | 30,273 | 98 | Gravel parking, HSG D |
| | 4,986 | 84 | 50-75% Grass cover, Fair, HSG D |
| | 44,517 | 96 | Weighted Average |
| | 4,986 | | 11.20% Pervious Area |
| | 39,531 | | 88.80% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 0.8 | 9 | 0.0880 | 0.19 | | **Sheet Flow, 9 feet grass @ 8.8%**<br>Grass: Short n= 0.150 P2= 3.16" |
| 1.4 | 91 | 0.0110 | 1.06 | | **Sheet Flow, 91 feet gravel @ 1.1%**<br>Smooth surfaces n= 0.011 P2= 3.16" |
| 0.3 | 72 | 0.0390 | 4.01 | | **Shallow Concentrated Flow, 72 feet gravel @ 3.9%**<br>Paved Kv= 20.3 fps |
| 0.1 | 5 | 0.0420 | 1.43 | | **Shallow Concentrated Flow, 5 feet grass @4.2%**<br>Short Grass Pasture Kv= 7.0 fps |
| 0.0 | 4 | 0.0150 | 2.49 | | **Shallow Concentrated Flow, 4 feet concrete @ 1.5%**<br>Paved Kv= 20.3 fps |
| 0.1 | 7 | 0.0320 | 1.25 | | **Shallow Concentrated Flow, 7 feet grass @ 3.2%**<br>Short Grass Pasture Kv= 7.0 fps |
| 1.5 | 252 | 0.0180 | 2.72 | | **Shallow Concentrated Flow, 282 feet HMA @ 1.8%**<br>Paved Kv= 20.3 fps |
| 4.2 | 440 | Total, Increased to minimum Tc = 6.0 min | | | |

## Subcatchment ES2: Parking - North of Parker Ave



## Summary for Subcatchment ES3: Brush/Grass - South of Parker Ave

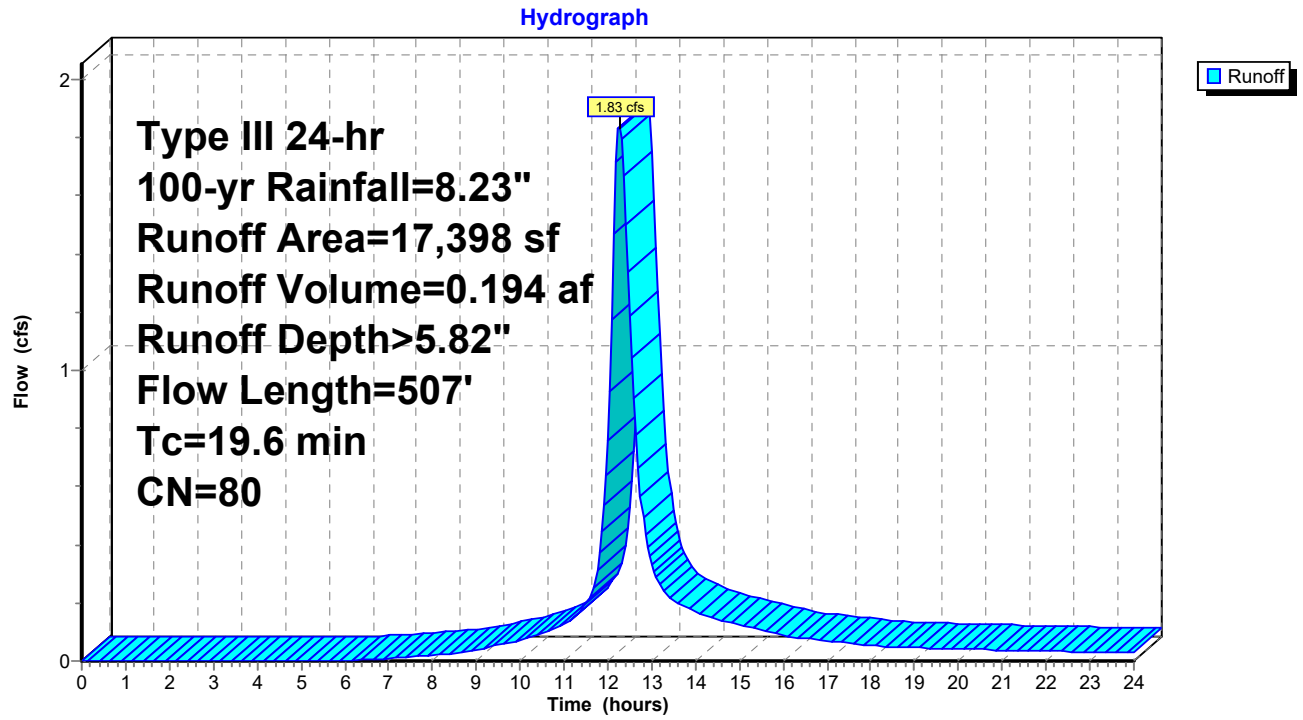
Runoff = 1.83 cfs @ 12.26 hrs, Volume= 0.194 af, Depth> 5.82"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-yr Rainfall=8.23"

| Area (sf) | CN | Description |
|---|---|---|
| 1,051 | 98 | Paved parking, HSG D |
| 13,241 | 77 | Brush, Fair, HSG D |
| 3,106 | 84 | 50-75% Grass cover, Fair, HSG D |
| 17,398 | 80 | Weighted Average |
| 16,347 | | 93.96% Pervious Area |
| 1,051 | | 6.04% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 3.5 | 35 | 0.0320 | 0.17 | | **Sheet Flow, 35 feet grass @ 3.2%** Grass: Short n= 0.150 P2= 3.16" |
| 11.6 | 65 | 0.0400 | 0.09 | | **Sheet Flow, 65 feet brush @ 4.0%** Woods: Light underbrush n= 0.400 P2= 3.16" |
| 4.2 | 199 | 0.0250 | 0.79 | | **Shallow Concentrated Flow, 199 feet brush @ 2.5%** Woodland Kv= 5.0 fps |
| 0.3 | 208 | 0.3070 | 11.25 | | **Shallow Concentrated Flow, 208 feet HMA @ 2.0%** Paved Kv= 20.3 fps |
| 19.6 | 507 | Total | | | |

## Subcatchment ES3: Brush/Grass - South of Parker Ave



## Summary for Subcatchment ES4: Buildings/Paved - South of Parker Ave

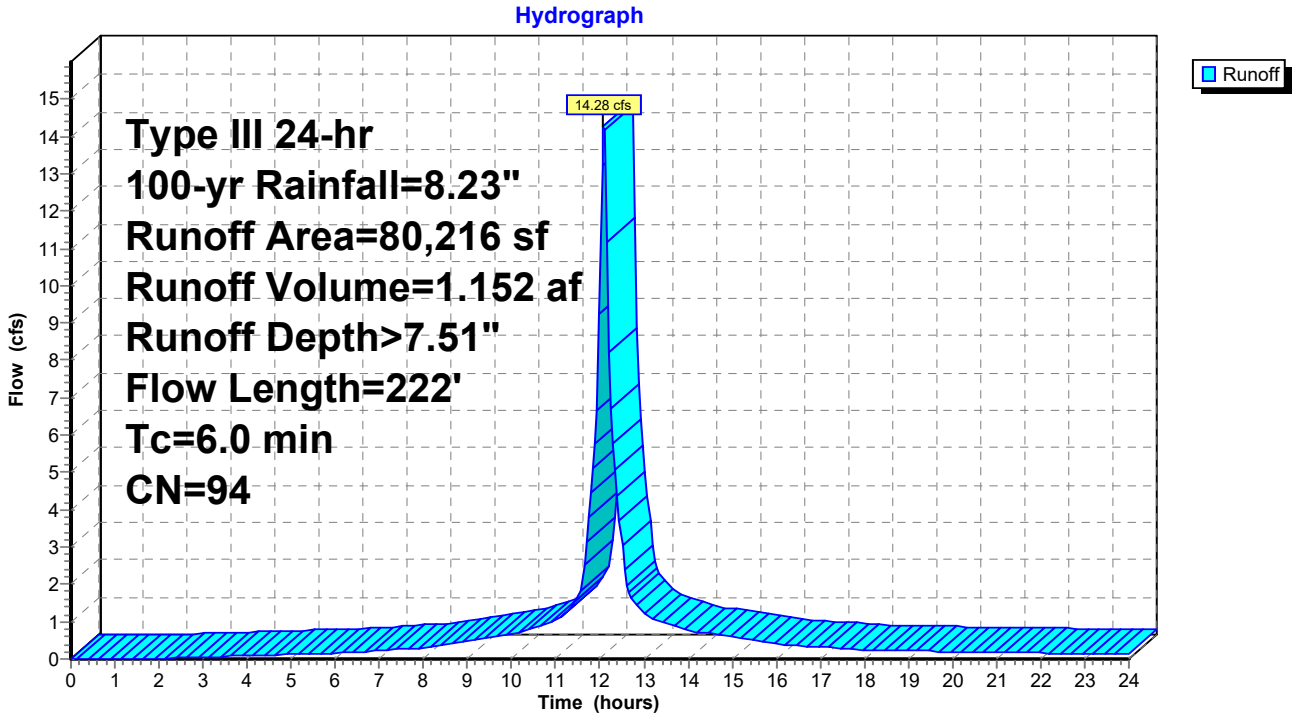
Runoff = 14.28 cfs @ 12.09 hrs, Volume= 1.152 af, Depth> 7.51"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-yr Rainfall=8.23"

| Area (sf) | CN | Description |
|---|---|---|
| 65,157 | 98 | Paved parking, HSG D |
| 10,238 | 77 | Brush, Fair, HSG D |
| 4,821 | 84 | 50-75% Grass cover, Fair, HSG D |
| 80,216 | 94 | Weighted Average |
| 15,059 | | 18.77% Pervious Area |
| 65,157 | | 81.23% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 1.0 | 100 | 0.0320 | 1.65 | | **Sheet Flow, 100 feet impervious @ 3.2%** Smooth surfaces n= 0.011 P2= 3.16" |
| 0.2 | 36 | 0.0330 | 3.69 | | **Shallow Concentrated Flow, 36 feet impervious @ 3.3%** Paved Kv= 20.3 fps |
| 0.5 | 46 | 0.0540 | 1.63 | | **Shallow Concentrated Flow, 46 feet brush @ 5.4%** Short Grass Pasture Kv= 7.0 fps |
| 0.3 | 40 | 0.0110 | 2.13 | | **Shallow Concentrated Flow, 40 feet impervious @ 1%** Paved Kv= 20.3 fps |
| 2.0 | 222 | Total, Increased to minimum Tc = 6.0 min | | | |

## Subcatchment ES4: Buildings/Paved - South of Parker Ave



## Summary for Subcatchment ES5: Roadway - South of Parker Ave

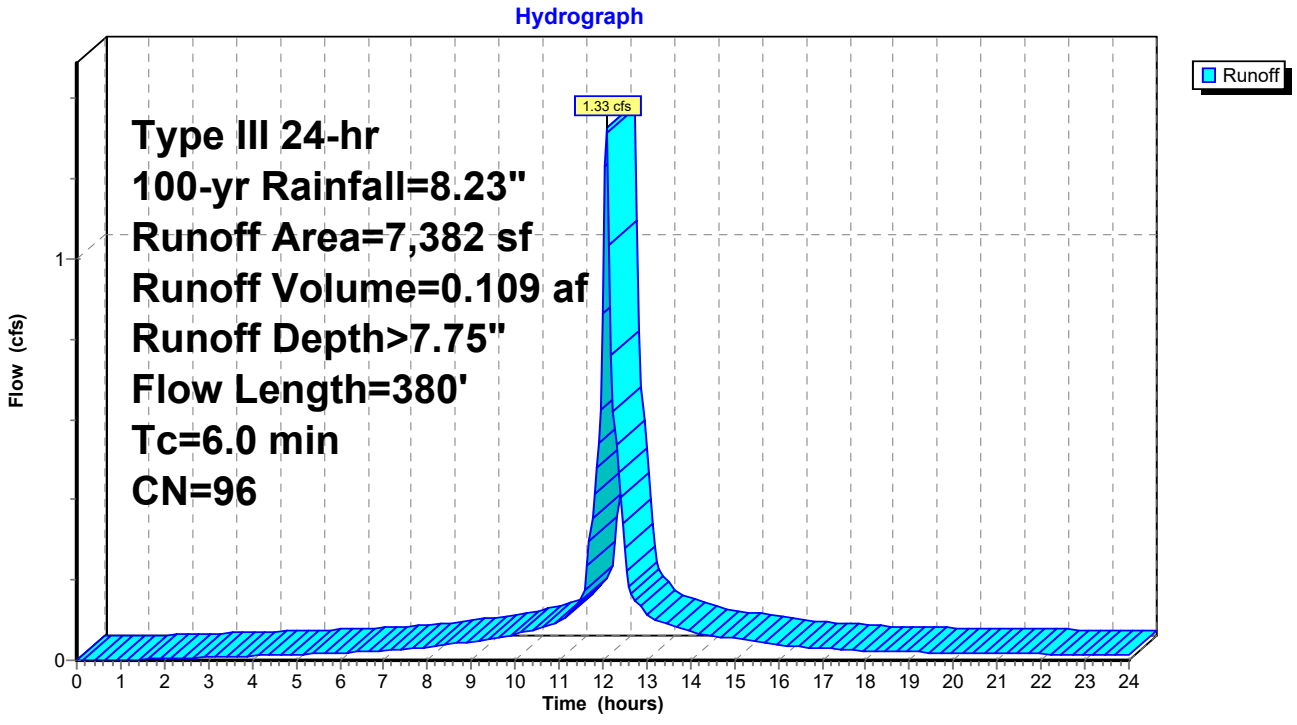
Runoff = 1.33 cfs @ 12.09 hrs, Volume= 0.109 af, Depth> 7.75"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-yr Rainfall=8.23"

| Area (sf) | CN | Description |
|---|---|---|
| 6,142 | 98 | Paved parking, HSG D |
| 0 | 77 | Brush, Fair, HSG D |
| 1,240 | 84 | 50-75% Grass cover, Fair, HSG D |
| 7,382 | 96 | Weighted Average |
| 1,240 | | 16.80% Pervious Area |
| 6,142 | | 83.20% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 1.7 | 100 | 0.0090 | 0.99 | | **Sheet Flow, 100 feet impervious @ 0.9%** Smooth surfaces n= 0.011 P2= 3.16" |
| 1.6 | 280 | 0.0200 | 2.87 | | **Shallow Concentrated Flow, 280 feet HMA @ 2.0%** Paved Kv= 20.3 fps |
| 3.3 | 380 | Total, Increased to minimum Tc = 6.0 min | | | |

## Subcatchment ES5: Roadway - South of Parker Ave

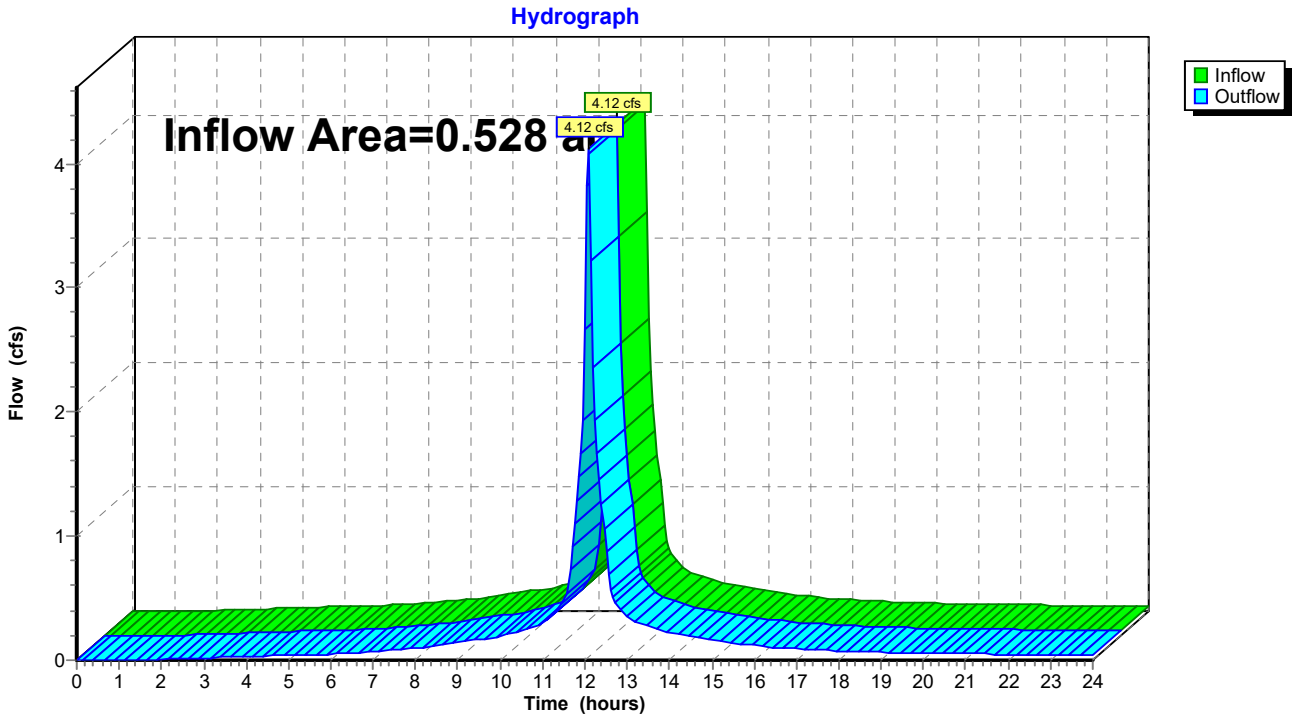


## Summary for Reach DP1:

Inflow Area = 0.528 ac, 79.20% Impervious, Inflow Depth > 7.63" for 100-yr event
Inflow = 4.12 cfs @ 12.09 hrs, Volume= 0.336 af
Outflow = 4.12 cfs @ 12.09 hrs, Volume= 0.336 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

## Reach DP1:

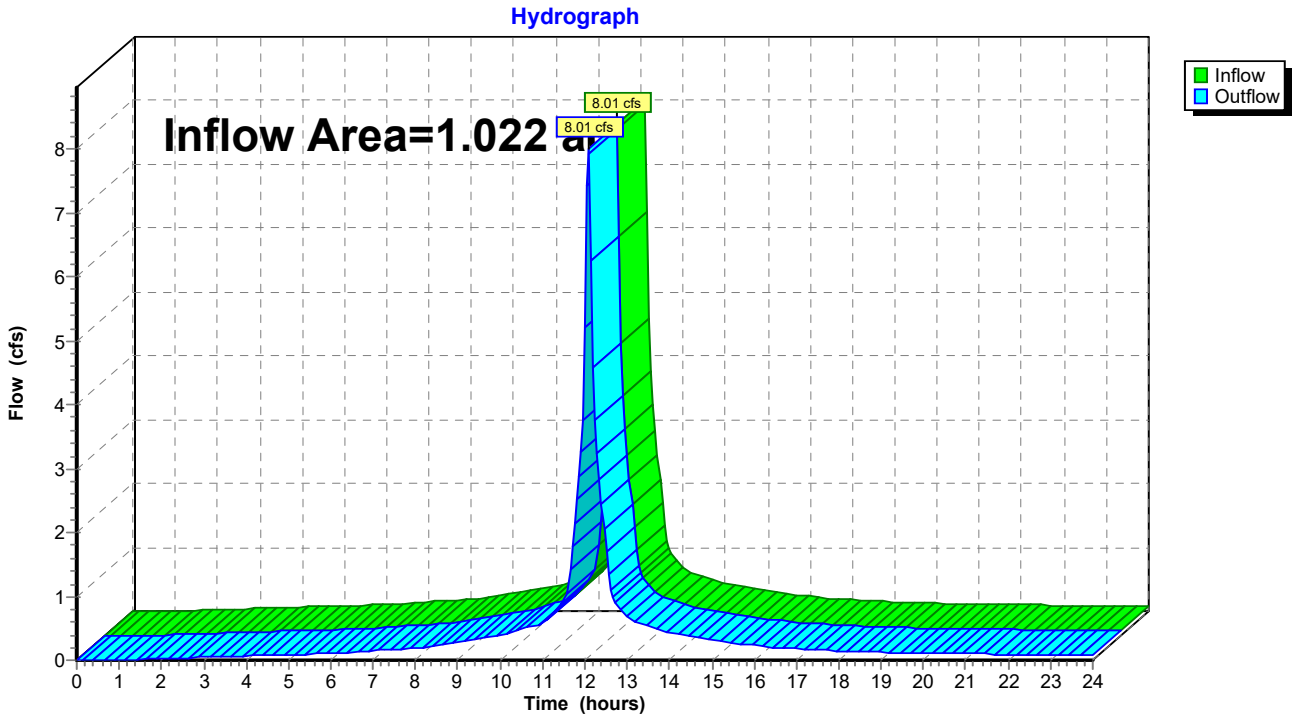


## Summary for Reach DP2:

Inflow Area = 1.022 ac, 88.80% Impervious, Inflow Depth > 7.75" for 100-yr event
Inflow = 8.01 cfs @ 12.09 hrs, Volume= 0.660 af
Outflow = 8.01 cfs @ 12.09 hrs, Volume= 0.660 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

## Reach DP2:

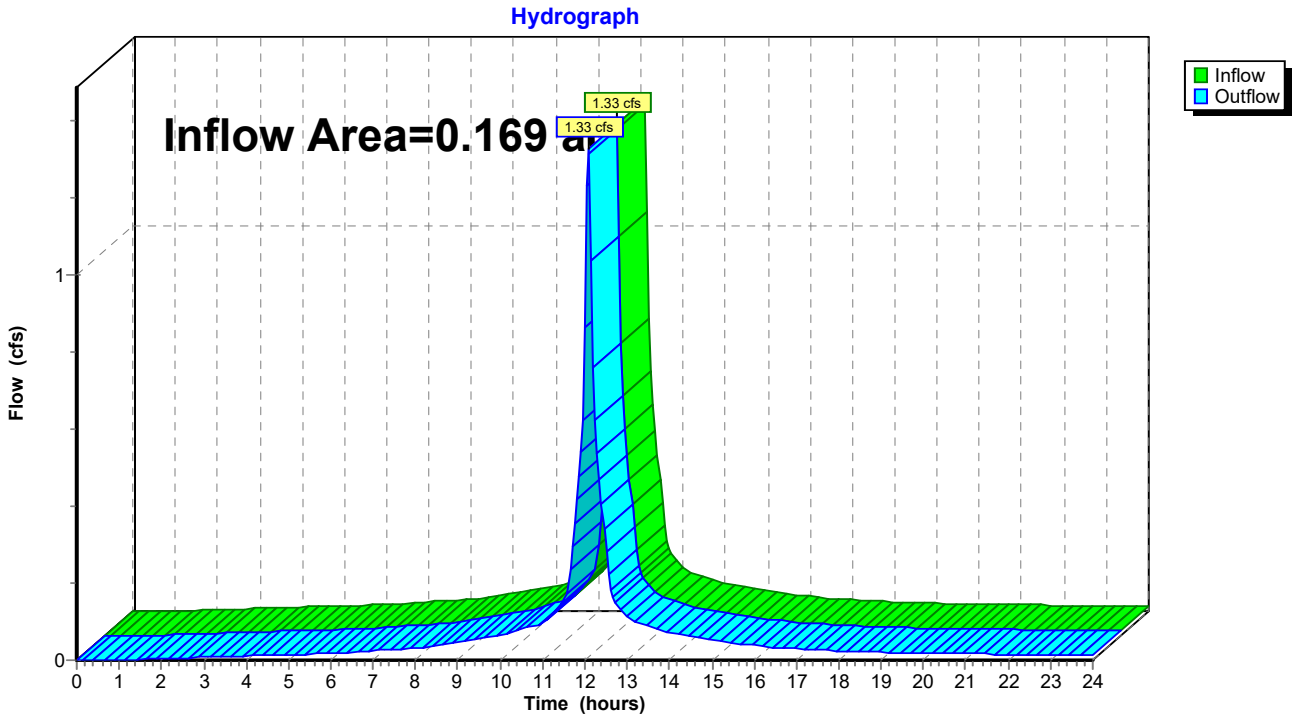


## Summary for Reach DP3:

Inflow Area = 0.169 ac, 83.20% Impervious, Inflow Depth > 7.75" for 100-yr event
Inflow = 1.33 cfs @ 12.09 hrs, Volume= 0.109 af
Outflow = 1.33 cfs @ 12.09 hrs, Volume= 0.109 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

## Reach DP3:

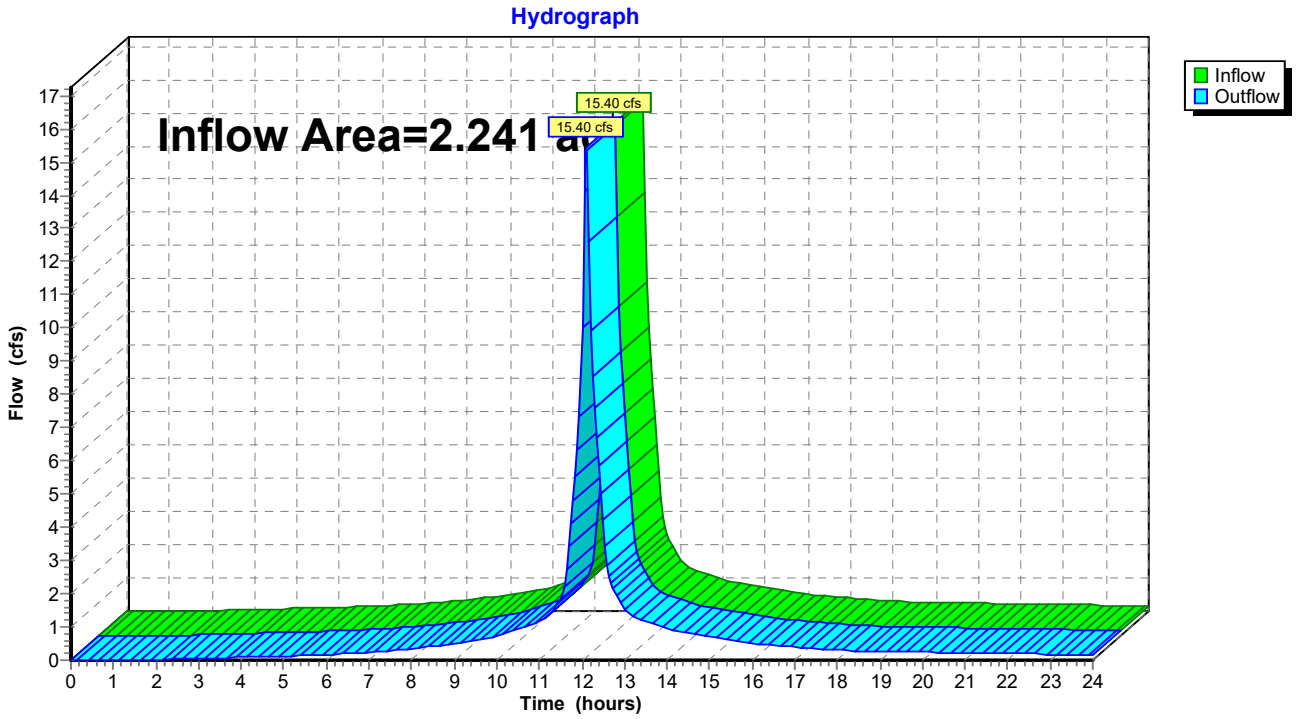


## Summary for Reach DP4:

Inflow Area = 2.241 ac, 67.83% Impervious, Inflow Depth > 7.21" for 100-yr event
Inflow = 15.40 cfs @ 12.09 hrs, Volume= 1.346 af
Outflow = 15.40 cfs @ 12.09 hrs, Volume= 1.346 af, Atten= 0%, Lag= 0.0 min

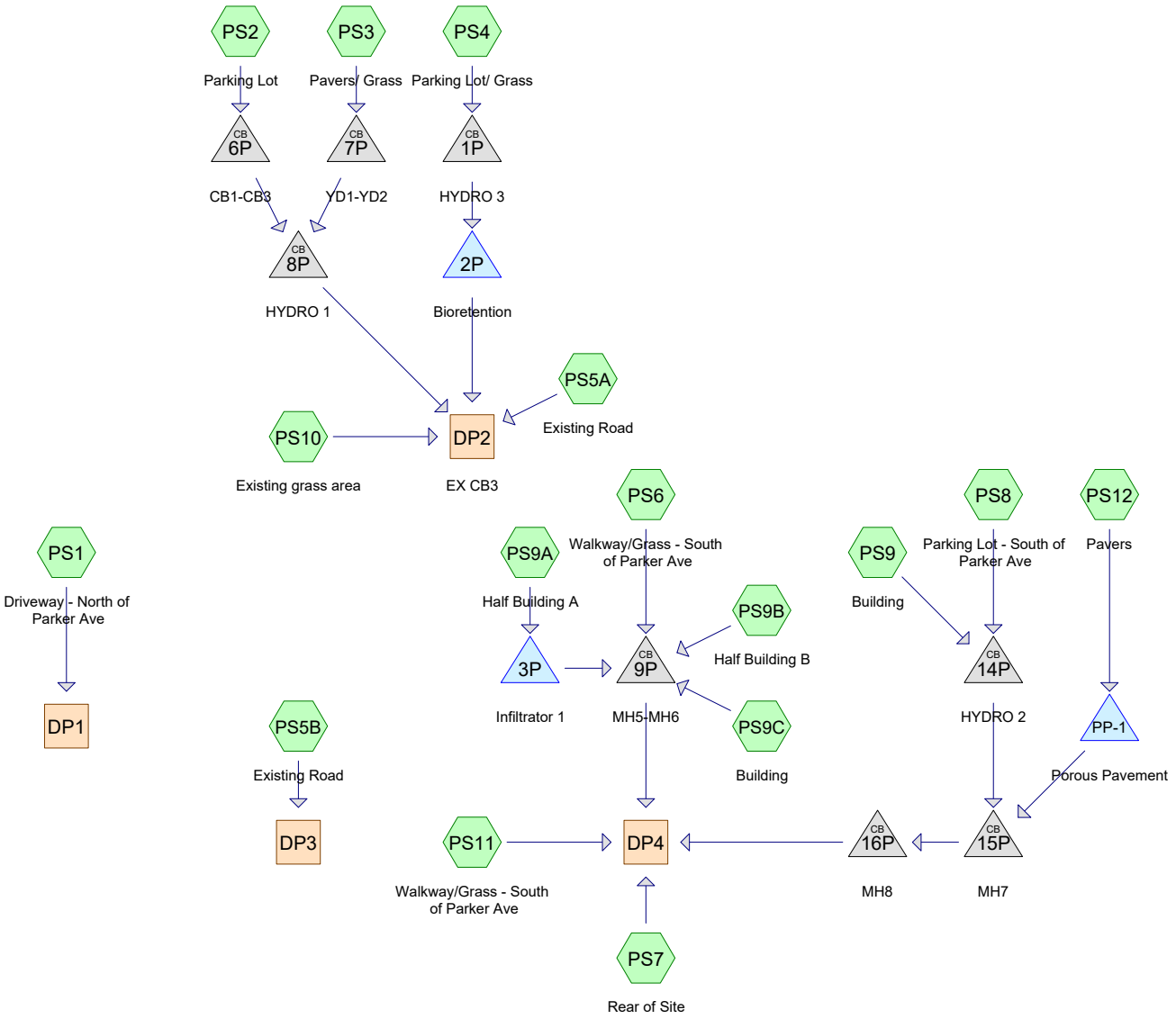
Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

## Reach DP4:



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# Appendix J:
# Post-Development Stormwater Modeling




**Routing Diagram for POST-DEVELOPMENT_HYDROCAD_82105-00**
Prepared by {enter your company name here}, Printed 10/1/2021
HydroCAD® 10.00-21 s/n 00927 © 2018 HydroCAD Software Solutions LLC

## Summary for Subcatchment PS1: Driveway - North of Parker Ave

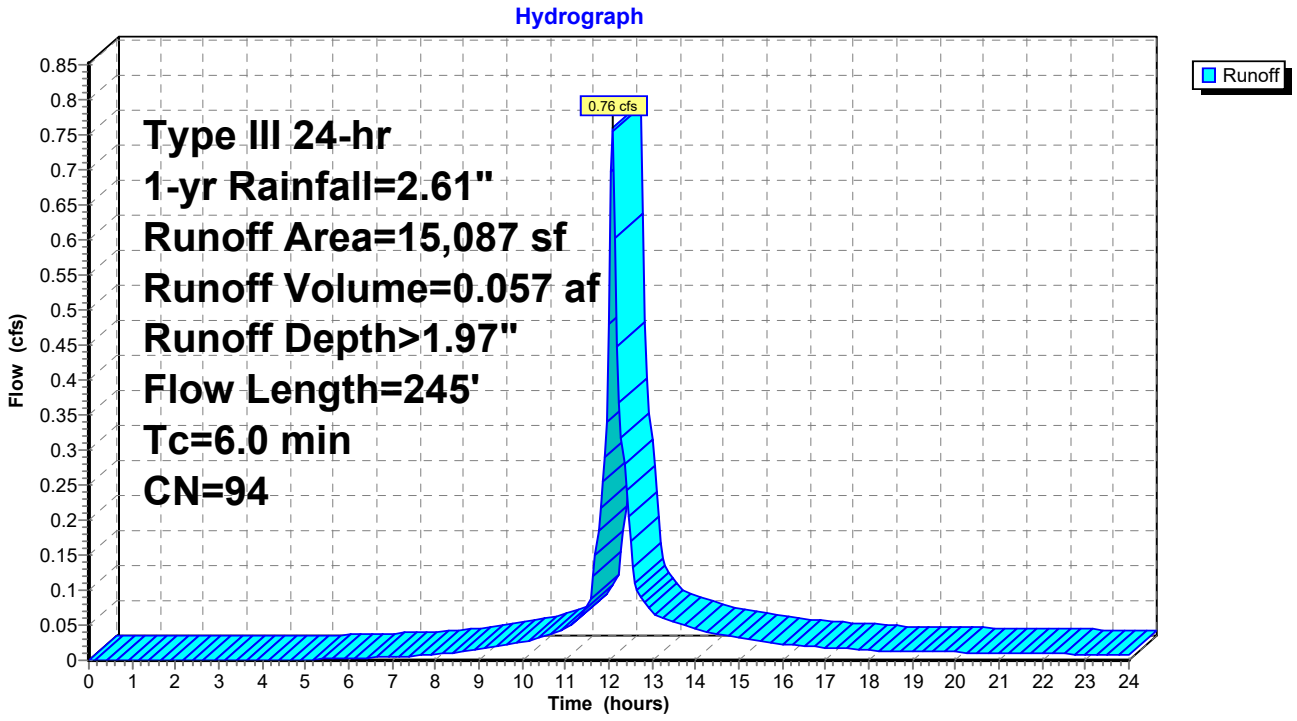
Runoff = 0.76 cfs @ 12.09 hrs, Volume= 0.057 af, Depth> 1.97"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 1-yr Rainfall=2.61"

| | Area (sf) | CN | Description |
|---|---|---|---|
| | 10,446 | 98 | Paved parking, HSG D |
| * | 0 | 98 | Gravel parking, HSG D |
| | 4,641 | 84 | 50-75% Grass cover, Fair, HSG D |
| | 15,087 | 94 | Weighted Average |
| | 4,641 | | 30.76% Pervious Area |
| | 10,446 | | 69.24% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 0.8 | 100 | 0.0500 | 1.97 | | **Sheet Flow, 100 feet paved @ 5%** Smooth surfaces n= 0.011 P2= 3.16" |
| 0.6 | 145 | 0.0340 | 3.74 | | **Shallow Concentrated Flow, 145 feet paved @ 3.4%** Paved Kv= 20.3 fps |
| 1.4 | 245 | Total, Increased to minimum Tc = 6.0 min | | | |

## Subcatchment PS1: Driveway - North of Parker Ave



## Summary for Subcatchment PS10: Existing grass area

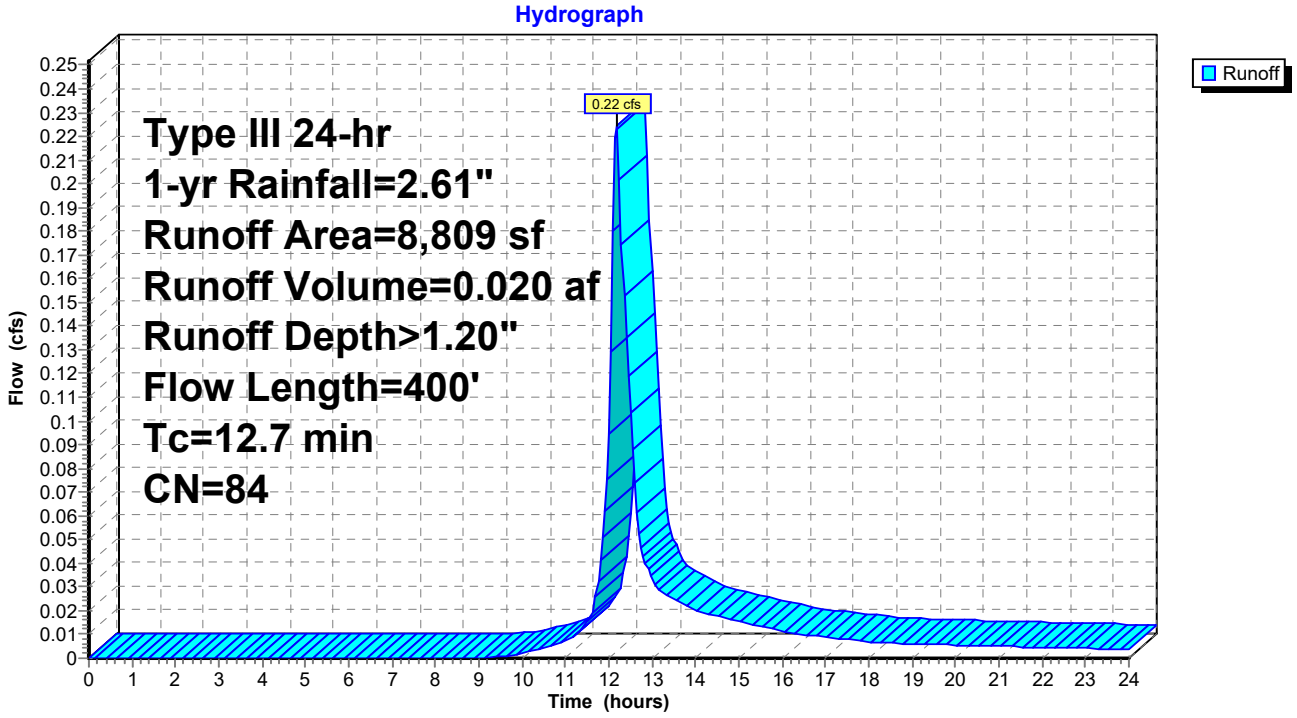
Runoff = 0.22 cfs @ 12.18 hrs, Volume= 0.020 af, Depth> 1.20"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 1-yr Rainfall=2.61"

| | Area (sf) | CN | Description |
|---|---|---|---|
| | 8,809 | 84 | 50-75% Grass cover, Fair, HSG D |
| * | 0 | 98 | Gravel parking, HSG D |
| | 8,809 | 84 | Weighted Average |
| | 8,809 | | 100.00% Pervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 8.3 | 100 | 0.0310 | 0.20 | | **Sheet Flow, 100 ft grass @3.1%** Grass: Short n= 0.150 P2= 3.16" |
| 4.4 | 300 | 0.0268 | 1.15 | | **Shallow Concentrated Flow, 300 ft grass @ 2.68%** Short Grass Pasture Kv= 7.0 fps |
| 12.7 | 400 | Total | | | |

## Subcatchment PS10: Existing grass area



## Summary for Subcatchment PS11: Walkway/Grass - South of Parker Ave

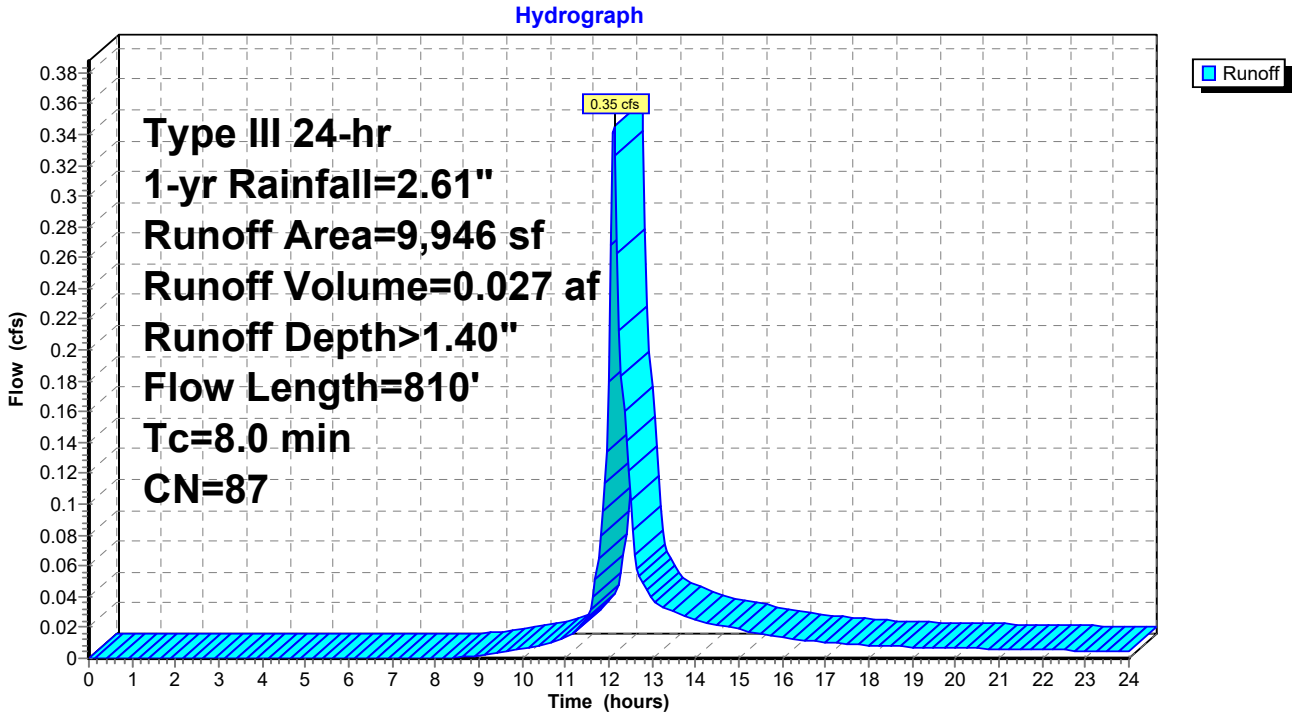
Runoff = 0.35 cfs @ 12.12 hrs, Volume= 0.027 af, Depth> 1.40"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 1-yr Rainfall=2.61"

| Area (sf) | CN | Description |
|---|---|---|
| 2,302 | 98 | Paved parking, HSG D |
| 0 | 77 | Brush, Fair, HSG D |
| 7,644 | 84 | 50-75% Grass cover, Fair, HSG D |
| 9,946 | 87 | Weighted Average |
| 7,644 | | 76.86% Pervious Area |
| 2,302 | | 23.14% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 2.7 | 10 | 0.0050 | 0.06 | | **Sheet Flow, 10 ft grass @ 0.5%** Grass: Short n= 0.150 P2= 3.16" |
| 0.5 | 9 | 0.3300 | 0.32 | | **Sheet Flow, 9 ft grass @ 33%** Grass: Short n= 0.150 P2= 3.16" |
| 0.7 | 76 | 0.0410 | 1.72 | | **Sheet Flow, 76 ft Sidewalk @ 4.1%** Smooth surfaces n= 0.011 P2= 3.16" |
| 0.3 | 70 | 0.0410 | 4.11 | | **Shallow Concentrated Flow, 70 ft Sidewalk @4.1%** Paved Kv= 20.3 fps |
| 1.0 | 173 | 0.0200 | 2.87 | | **Shallow Concentrated Flow, 173 ft HMA @ 2 %** Paved Kv= 20.3 fps |
| 2.8 | 472 | 0.0190 | 2.80 | | **Shallow Concentrated Flow, 472 ft gutter flow** Paved Kv= 20.3 fps |
| 8.0 | 810 | Total | | | |

## Subcatchment PS11: Walkway/Grass - South of Parker Ave



## Summary for Subcatchment PS12: Pavers

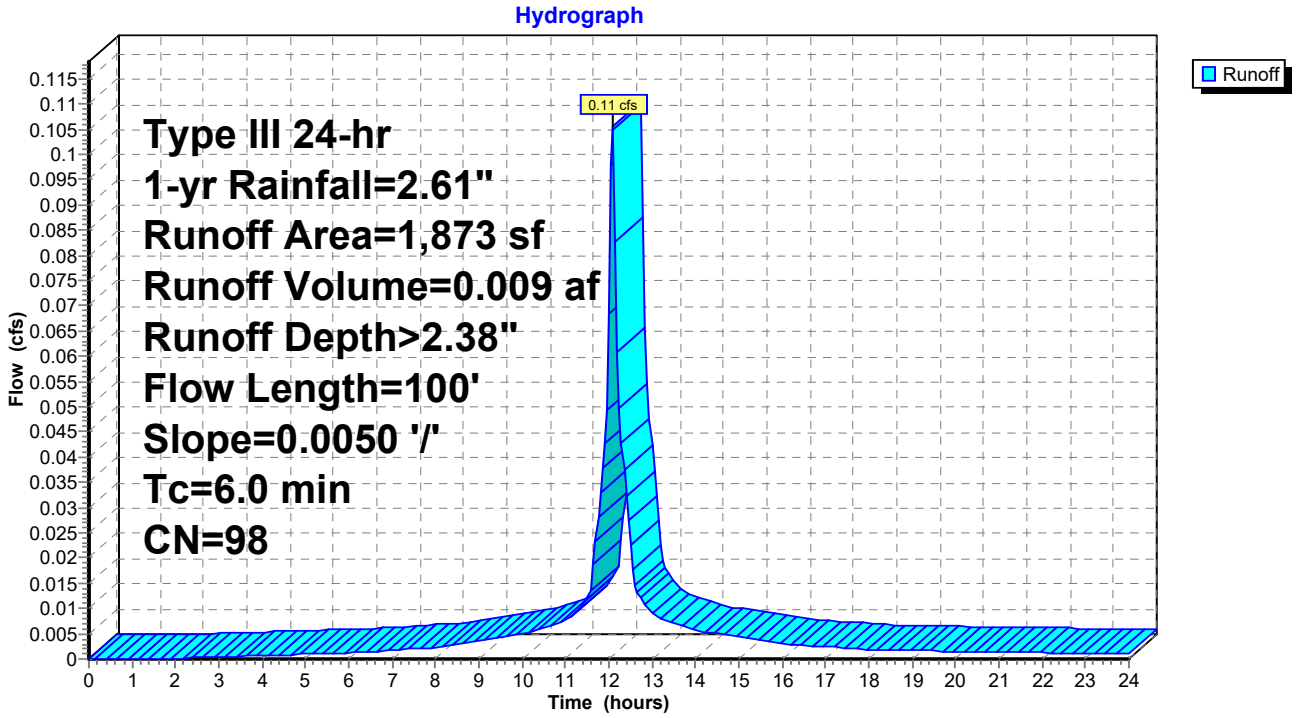
Runoff = 0.11 cfs @ 12.09 hrs, Volume= 0.009 af, Depth> 2.38"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 1-yr Rainfall=2.61"

| Area (sf) | CN | Description |
|---|---|---|
| 1,873 | 98 | Paved parking, HSG D |
| 0 | 77 | Brush, Fair, HSG D |
| 0 | 84 | 50-75% Grass cover, Fair, HSG D |
| 1,873 | 98 | Weighted Average |
| 1,873 | | 100.00% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 2.1 | 100 | 0.0050 | 0.79 | | **Sheet Flow, 25 ft pavers @ 0.5%** Smooth surfaces n= 0.011 P2= 3.16" |
| 2.1 | 100 | Total, Increased to minimum Tc = 6.0 min | | | |

## Subcatchment PS12: Pavers



## Summary for Subcatchment PS2: Parking Lot

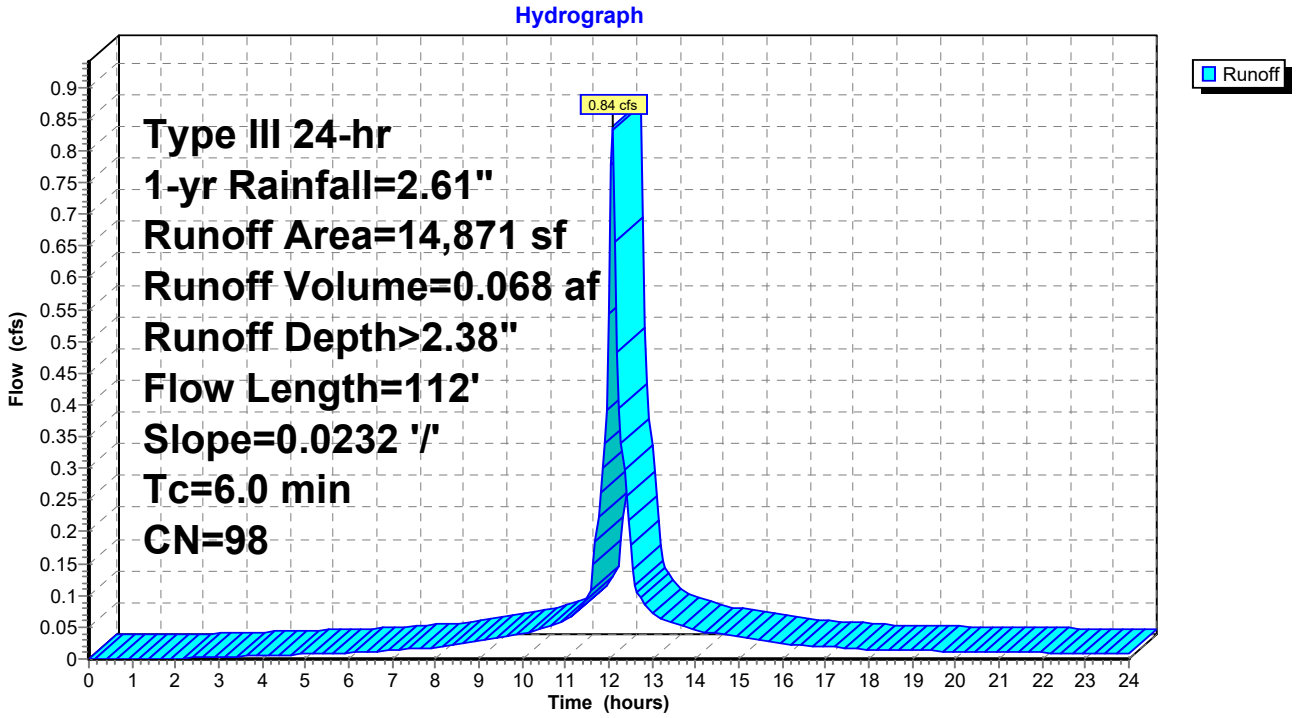
Runoff = 0.84 cfs @ 12.09 hrs, Volume= 0.068 af, Depth> 2.38"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 1-yr Rainfall=2.61"

| | Area (sf) | CN | Description |
|---|---|---|---|
| | 14,871 | 98 | Paved parking, HSG D |
| * | 0 | 98 | Gravel parking, HSG D |
| | 0 | 84 | 50-75% Grass cover, Fair, HSG D |
| | 14,871 | 98 | Weighted Average |
| | 14,871 | | 100.00% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 1.3 | 112 | 0.0232 | 1.48 | | **Sheet Flow, 112 ft imprevious @2.32%** Smooth surfaces n= 0.011 P2= 3.16" |
| 1.3 | 112 | Total, Increased to minimum Tc = 6.0 min | | | |

## Subcatchment PS2: Parking Lot



## Summary for Subcatchment PS3: Pavers/ Grass

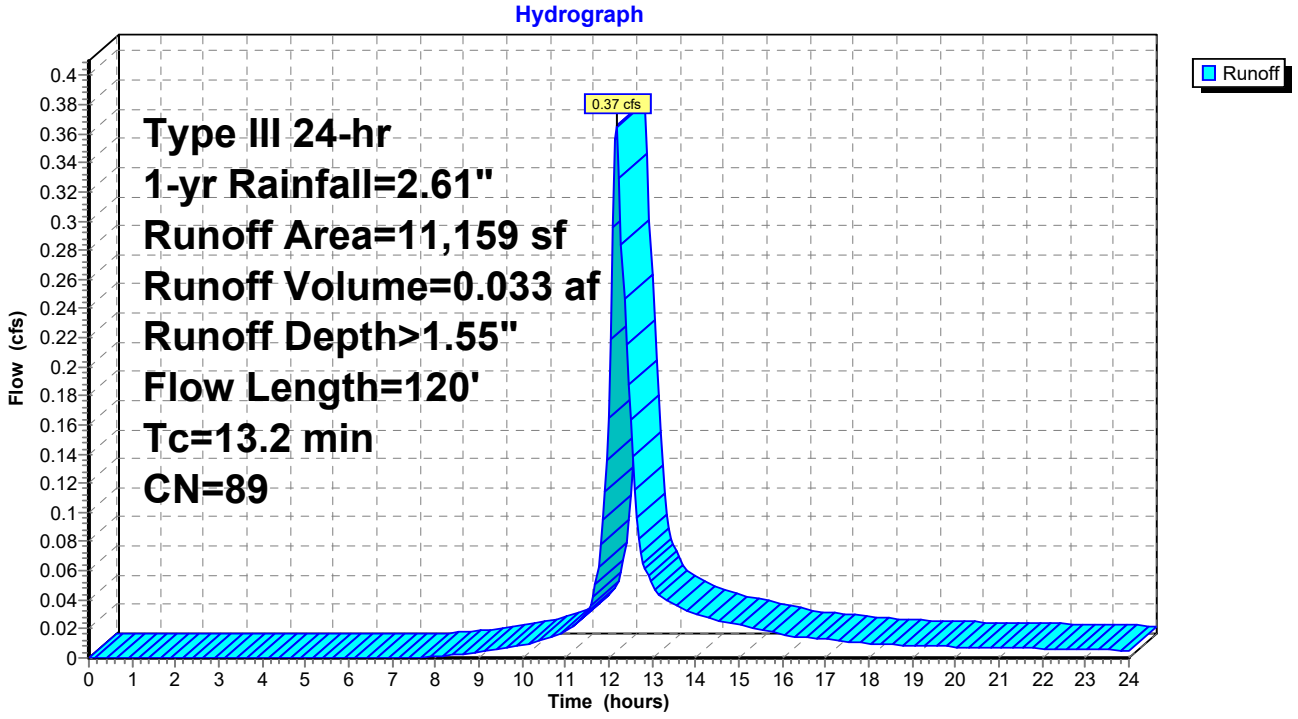
Runoff = 0.37 cfs @ 12.18 hrs, Volume= 0.033 af, Depth> 1.55"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 1-yr Rainfall=2.61"

| | Area (sf) | CN | Description |
|---|---|---|---|
| | 4,001 | 98 | Paved parking, HSG D |
| * | 0 | 98 | Gravel parking, HSG D |
| | 7,158 | 84 | 50-75% Grass cover, Fair, HSG D |
| | 11,159 | 89 | Weighted Average |
| | 7,158 | | 64.15% Pervious Area |
| | 4,001 | | 35.85% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 0.4 | 8 | 0.3300 | 0.31 | | **Sheet Flow, 8 ft grass @ 33%** Grass: Short n= 0.150 P2= 3.16" |
| 12.7 | 92 | 0.0090 | 0.12 | | **Sheet Flow, 92 ft grass @ 0.09%** Grass: Short n= 0.150 P2= 3.16" |
| 0.1 | 20 | 0.1400 | 2.62 | | **Shallow Concentrated Flow, 20 ft grass @ 14%** Short Grass Pasture Kv= 7.0 fps |
| 13.2 | 120 | Total | | | |

## Subcatchment PS3: Pavers/ Grass



## Summary for Subcatchment PS4: Parking Lot/ Grass

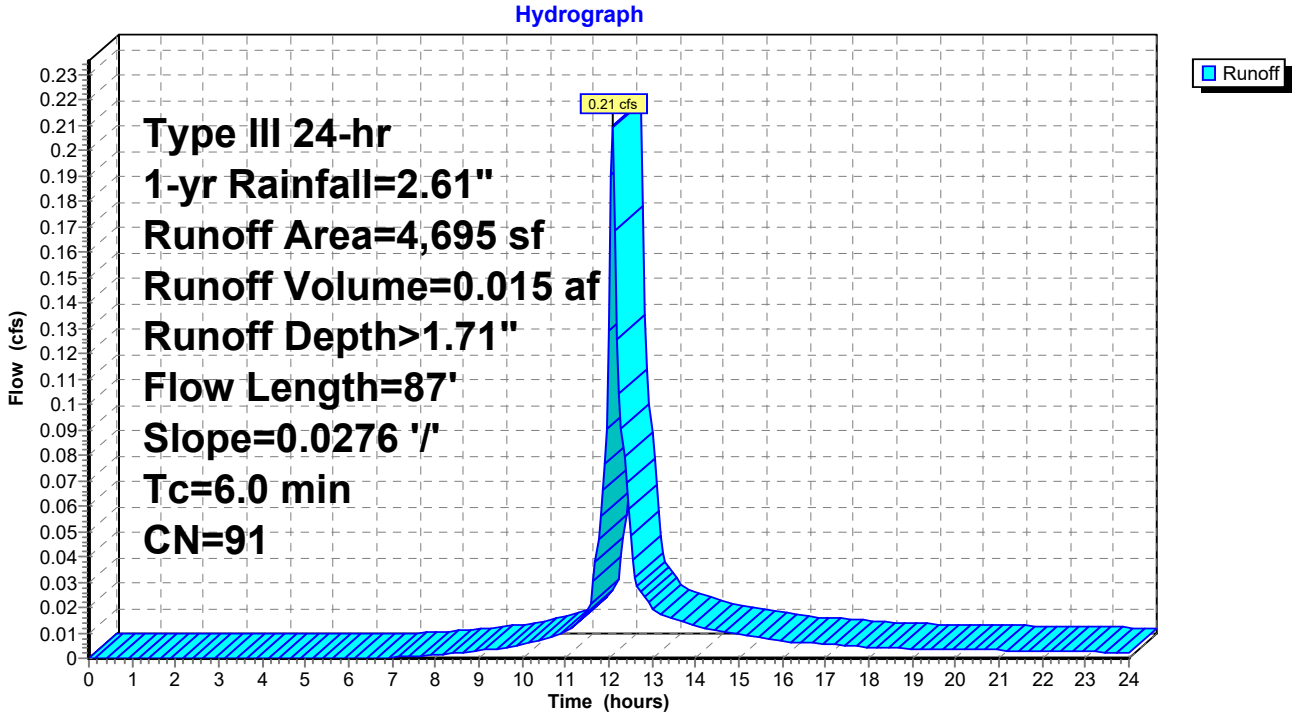
Runoff = 0.21 cfs @ 12.09 hrs, Volume= 0.015 af, Depth> 1.71"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 1-yr Rainfall=2.61"

| | Area (sf) | CN | Description |
|---|---|---|---|
| | 2,238 | 98 | Paved parking, HSG D |
| * | 0 | 98 | Gravel parking, HSG D |
| | 2,457 | 84 | 50-75% Grass cover, Fair, HSG D |
| | 4,695 | 91 | Weighted Average |
| | 2,457 | | 52.33% Pervious Area |
| | 2,238 | | 47.67% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 1.0 | 87 | 0.0276 | 1.51 | | **Sheet Flow, 87 ft impervious @2.76%** Smooth surfaces n= 0.011 P2= 3.16" |
| 1.0 | 87 | Total, Increased to minimum Tc = 6.0 min | | | |

## Subcatchment PS4: Parking Lot/ Grass



## Summary for Subcatchment PS5A: Existing Road

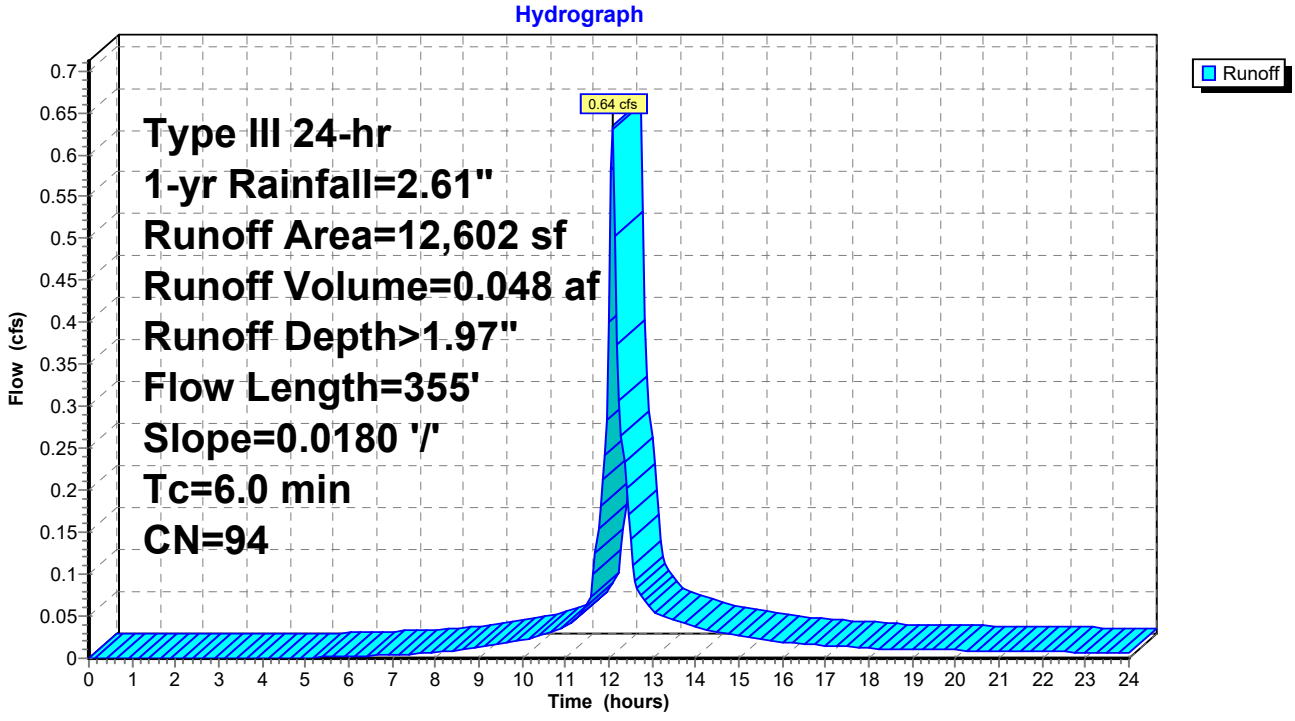
Runoff = 0.64 cfs @ 12.09 hrs, Volume= 0.048 af, Depth> 1.97"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 1-yr Rainfall=2.61"

| | Area (sf) | CN | Description |
|---|---|---|---|
| | 9,246 | 98 | Paved parking, HSG D |
| * | 0 | 98 | Gravel parking, HSG D |
| | 3,356 | 84 | 50-75% Grass cover, Fair, HSG D |
| | 12,602 | 94 | Weighted Average |
| | 3,356 | | 26.63% Pervious Area |
| | 9,246 | | 73.37% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 1.3 | 100 | 0.0180 | 1.31 | | **Sheet Flow, 100 ft impervious @1.8%** Smooth surfaces n= 0.011 P2= 3.16" |
| 1.6 | 255 | 0.0180 | 2.72 | | **Shallow Concentrated Flow, 255 ft impervious @ 1.8%** Paved Kv= 20.3 fps |
| 2.9 | 355 | Total, Increased to minimum Tc = 6.0 min | | | |

## Subcatchment PS5A: Existing Road



## Summary for Subcatchment PS5B: Existing Road

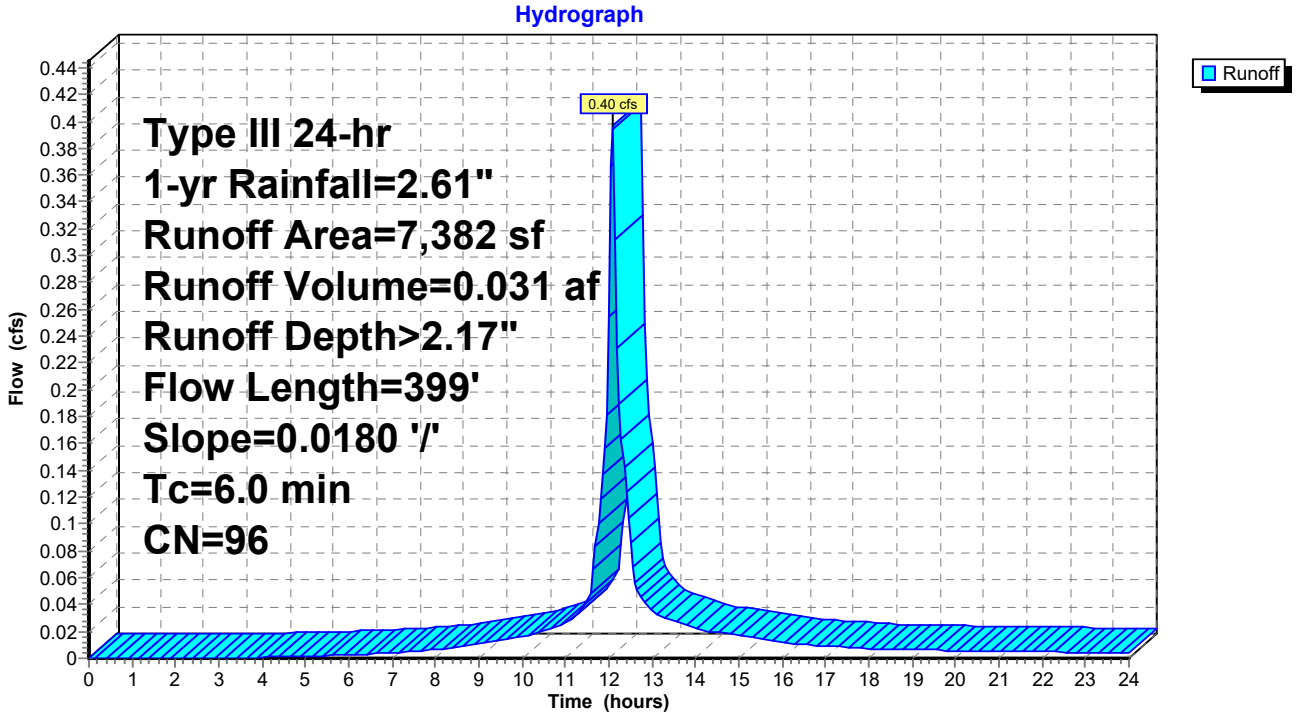
Runoff = 0.40 cfs @ 12.09 hrs, Volume= 0.031 af, Depth> 2.17"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 1-yr Rainfall=2.61"

| | Area (sf) | CN | Description |
|---|---|---|---|
| | 6,142 | 98 | Paved parking, HSG D |
| * | 0 | 98 | Gravel parking, HSG D |
| | 1,240 | 84 | 50-75% Grass cover, Fair, HSG D |
| | 7,382 | 96 | Weighted Average |
| | 1,240 | | 16.80% Pervious Area |
| | 6,142 | | 83.20% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 1.3 | 100 | 0.0180 | 1.31 | | **Sheet Flow, 100 ft impervious @1.8%** Smooth surfaces n= 0.011 P2= 3.16" |
| 1.8 | 299 | 0.0180 | 2.72 | | **Shallow Concentrated Flow, 299 ft impervious @ 1.8%** Paved Kv= 20.3 fps |
| 3.1 | 399 | Total, Increased to minimum Tc = 6.0 min | | | |

## Subcatchment PS5B: Existing Road



## Summary for Subcatchment PS6: Walkway/Grass - South of Parker Ave

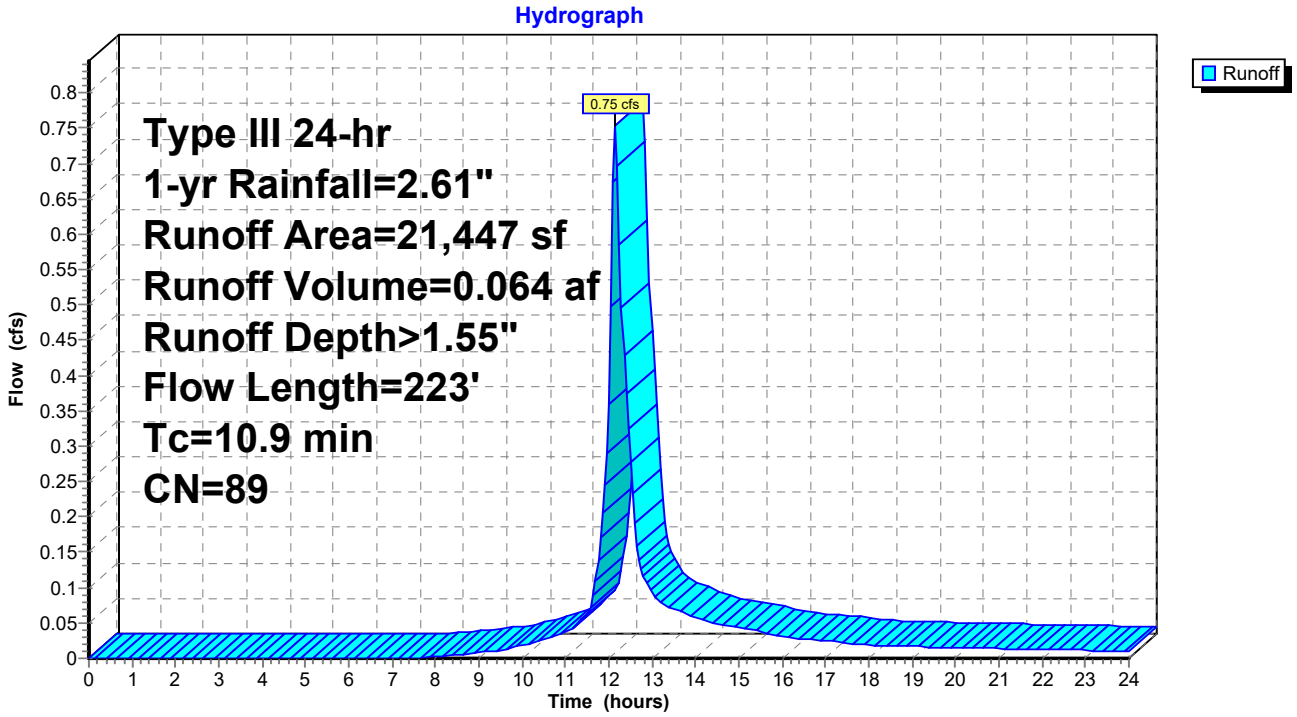
Runoff = 0.75 cfs @ 12.15 hrs, Volume= 0.064 af, Depth> 1.55"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 1-yr Rainfall=2.61"

| Area (sf) | CN | Description |
|---|---|---|
| 8,292 | 98 | Paved parking, HSG D |
| 0 | 77 | Brush, Fair, HSG D |
| 13,155 | 84 | 50-75% Grass cover, Fair, HSG D |
| 21,447 | 89 | Weighted Average |
| 13,155 | | 61.34% Pervious Area |
| 8,292 | | 38.66% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 0.1 | 4 | 0.0150 | 0.64 | | **Sheet Flow, 4 ft impervious @1.5%**<br>Smooth surfaces n= 0.011 P2= 3.16" |
| 0.8 | 4 | 0.0150 | 0.08 | | **Sheet Flow, 5 ft grass @1.5%**<br>Grass: Short n= 0.150 P2= 3.16" |
| 0.1 | 5 | 0.0150 | 0.67 | | **Sheet Flow, 5 ft concrete @1.5%**<br>Smooth surfaces n= 0.011 P2= 3.16" |
| 0.7 | 14 | 0.3200 | 0.35 | | **Sheet Flow, 13.5 ft grass @3 2%**<br>Grass: Short n= 0.150 P2= 3.16" |
| 7.9 | 38 | 0.0050 | 0.08 | | **Sheet Flow, 38 ft grass @ 0.5%**<br>Grass: Short n= 0.150 P2= 3.16" |
| 0.1 | 10 | 0.0200 | 2.87 | | **Shallow Concentrated Flow, 10 ft concrete @ 2%**<br>Paved Kv= 20.3 fps |
| 0.1 | 13 | 0.3300 | 4.02 | | **Shallow Concentrated Flow, 12.5 ft grass @ 33%**<br>Short Grass Pasture Kv= 7.0 fps |
| 0.2 | 17 | 0.0070 | 1.70 | | **Shallow Concentrated Flow, 16.5 ft concrete @ 0.7%**<br>Paved Kv= 20.3 fps |
| 0.3 | 10 | 0.0070 | 0.59 | | **Shallow Concentrated Flow, 10 ft grass @ 0.7%**<br>Short Grass Pasture Kv= 7.0 fps |
| 0.6 | 108 | 0.0050 | 3.21 | 2.52 | **Pipe Channel, cb7-cb8**<br>12.0" Round Area= 0.8 sf Perim= 3.1' r= 0.25'<br>n= 0.013 Corrugated PE, smooth interior |
| 10.9 | 223 | Total | | | |

## Subcatchment PS6: Walkway/Grass - South of Parker Ave



## Summary for Subcatchment PS7: Rear of Site

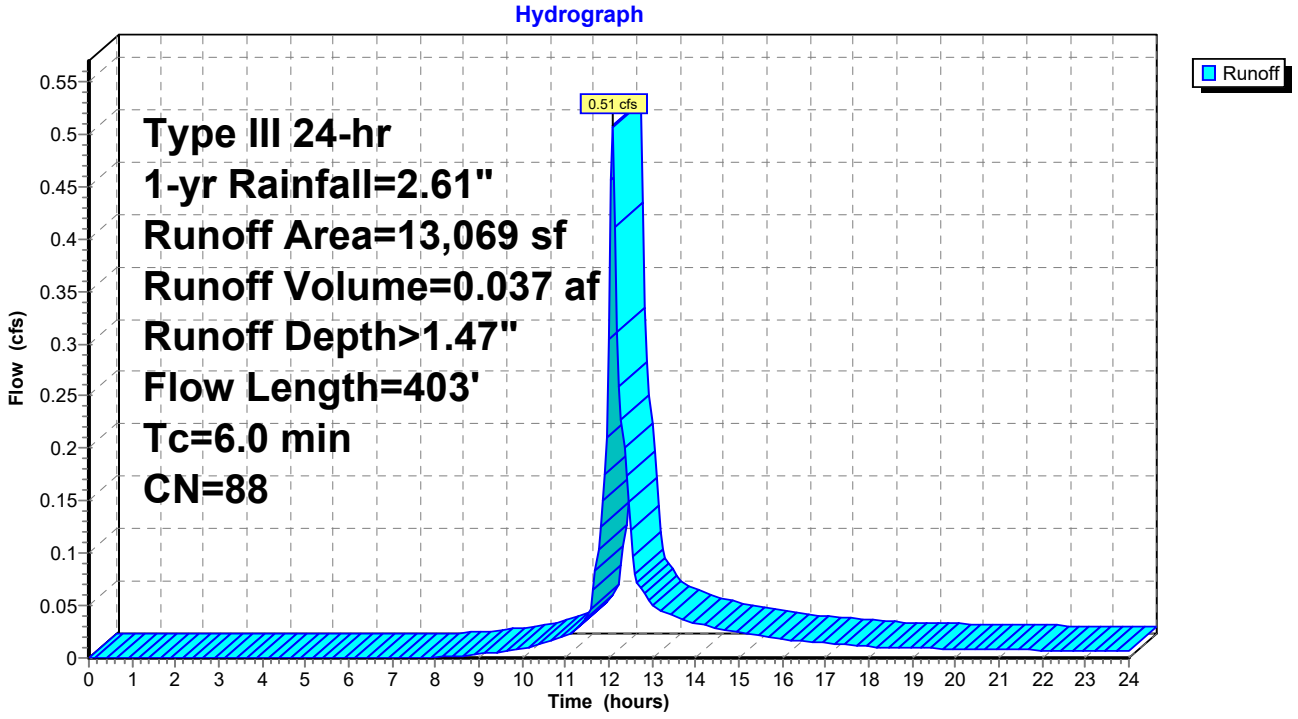
Runoff = 0.51 cfs @ 12.09 hrs, Volume= 0.037 af, Depth> 1.47"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 1-yr Rainfall=2.61"

| Area (sf) | CN | Description |
|---|---|---|
| 3,514 | 98 | Paved parking, HSG D |
| 0 | 77 | Brush, Fair, HSG D |
| 9,555 | 84 | 50-75% Grass cover, Fair, HSG D |
| 13,069 | 88 | Weighted Average |
| 9,555 | | 73.11% Pervious Area |
| 3,514 | | 26.89% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 3.6 | 64 | 0.1050 | 0.30 | | **Sheet Flow, 64 ft grass @ 10.5%** Grass: Short n= 0.150 P2= 3.16" |
| 0.5 | 36 | 0.0310 | 1.33 | | **Sheet Flow, 36 ft HMA @ 3.1%** Smooth surfaces n= 0.011 P2= 3.16" |
| 1.9 | 303 | 0.0170 | 2.65 | | **Shallow Concentrated Flow, 303 ft HMA @ 1.7%** Paved Kv= 20.3 fps |
| 6.0 | 403 | Total | | | |

## Subcatchment PS7: Rear of Site



## Summary for Subcatchment PS8: Parking Lot - South of Parker Ave

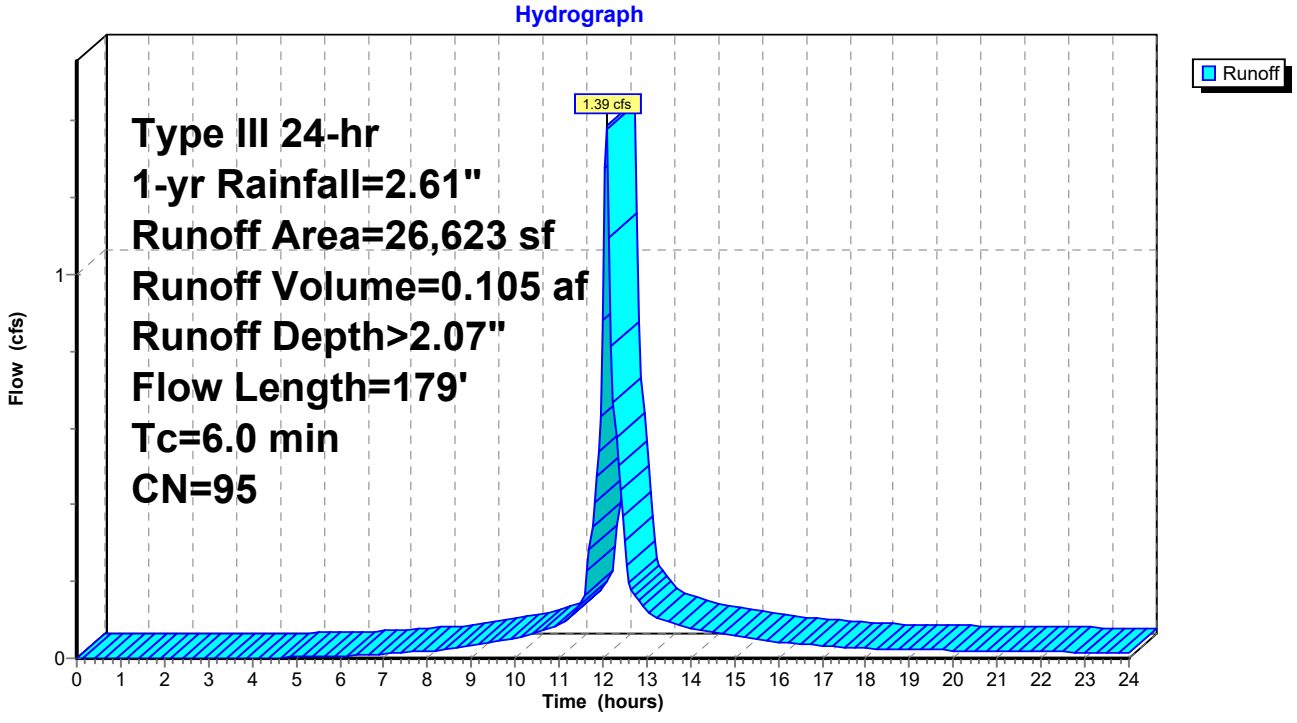
Runoff = 1.39 cfs @ 12.09 hrs, Volume= 0.105 af, Depth> 2.07"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 1-yr Rainfall=2.61"

| Area (sf) | CN | Description |
|---|---|---|
| 20,106 | 98 | Paved parking, HSG D |
| 0 | 77 | Brush, Fair, HSG D |
| 6,517 | 84 | 50-75% Grass cover, Fair, HSG D |
| 26,623 | 95 | Weighted Average |
| 6,517 | | 24.48% Pervious Area |
| 20,106 | | 75.52% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 1.1 | 100 | 0.0290 | 1.59 | | **Sheet Flow, 100 ft HMA @ 2.9%** Smooth surfaces n= 0.011 P2= 3.16" |
| 0.5 | 79 | 0.0200 | 2.87 | | **Shallow Concentrated Flow, 79 ft HMA @ 2%** Paved Kv= 20.3 fps |
| 1.6 | 179 | Total, Increased to minimum Tc = 6.0 min | | | |

## Subcatchment PS8: Parking Lot - South of Parker Ave



## Summary for Subcatchment PS9: Building

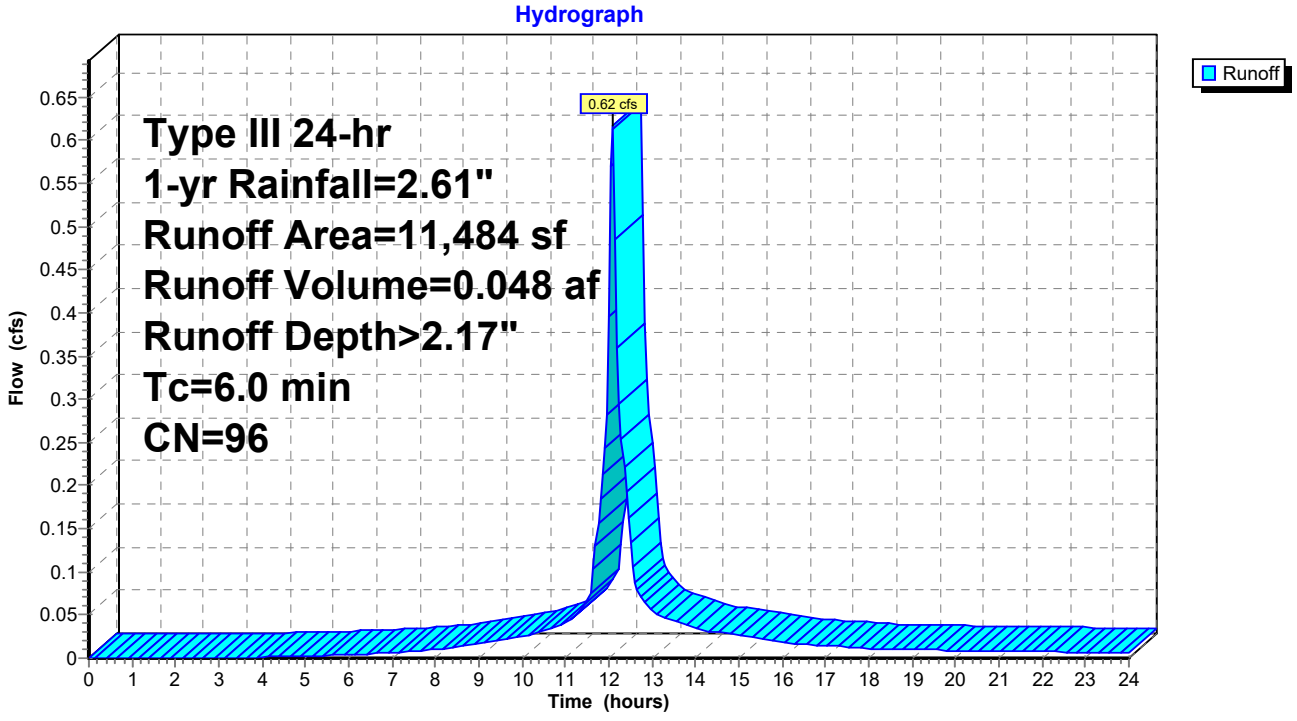
Runoff = 0.62 cfs @ 12.09 hrs, Volume= 0.048 af, Depth> 2.17"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 1-yr Rainfall=2.61"

| Area (sf) | CN | Description |
|---|---|---|
| 9,574 | 98 | Paved parking, HSG D |
| 0 | 77 | Brush, Fair, HSG D |
| 1,910 | 84 | 50-75% Grass cover, Fair, HSG D |
| 11,484 | 96 | Weighted Average |
| 1,910 | | 16.63% Pervious Area |
| 9,574 | | 83.37% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 6.0 | | | | | **Direct Entry, min** |

## Subcatchment PS9: Building



## Summary for Subcatchment PS9A: Half Building A

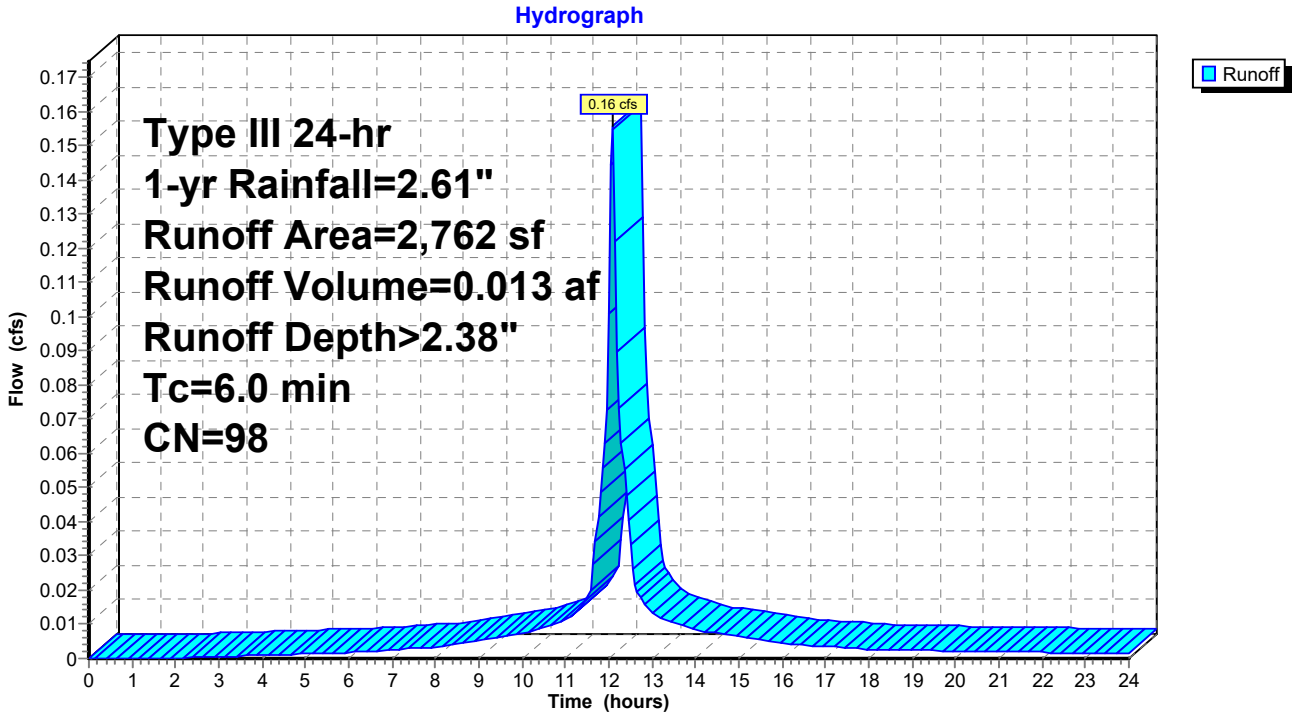
Runoff = 0.16 cfs @ 12.09 hrs, Volume= 0.013 af, Depth> 2.38"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 1-yr Rainfall=2.61"

| Area (sf) | CN | Description |
|---|---|---|
| 2,762 | 98 | Paved parking, HSG D |
| 0 | 77 | Brush, Fair, HSG D |
| 0 | 84 | 50-75% Grass cover, Fair, HSG D |
| 2,762 | 98 | Weighted Average |
| 2,762 | | 100.00% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 6.0 | | | | | **Direct Entry, min** |

## Subcatchment PS9A: Half Building A



## Summary for Subcatchment PS9B: Half Building B

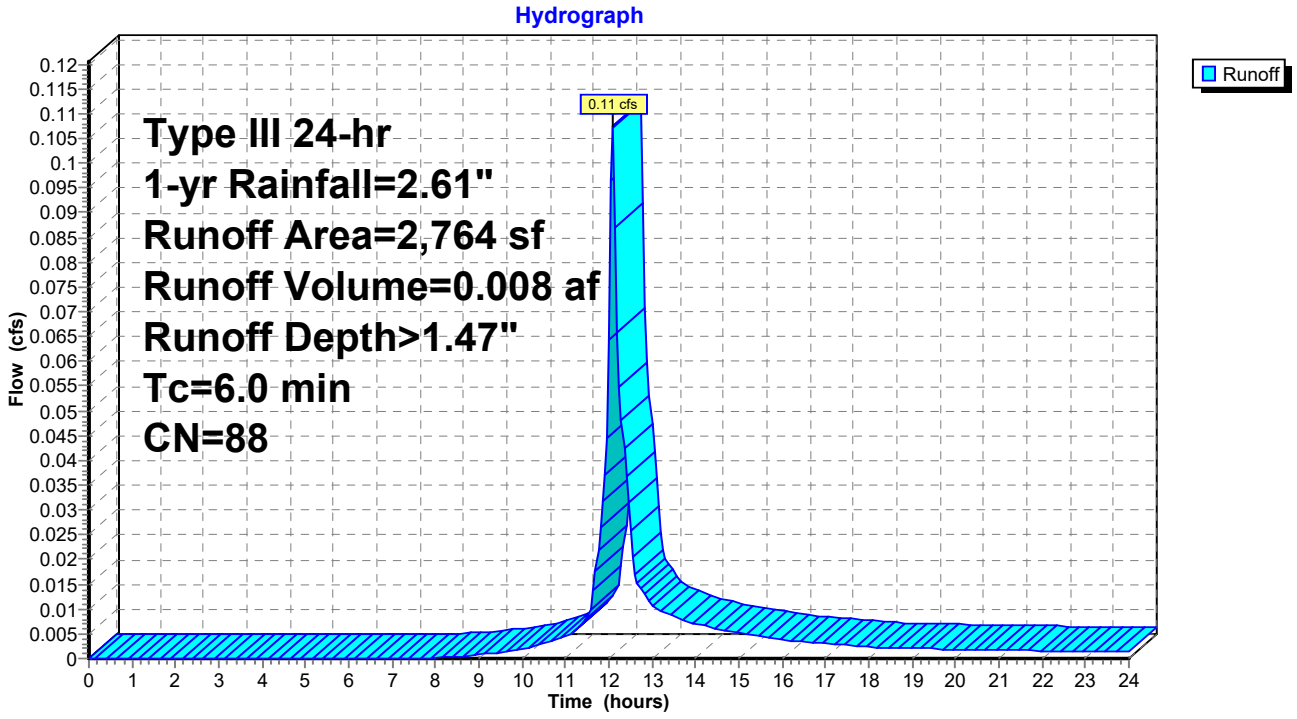
Runoff = 0.11 cfs @ 12.09 hrs, Volume= 0.008 af, Depth> 1.47"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 1-yr Rainfall=2.61"

| Area (sf) | CN | Description |
|---|---|---|
| 1,910 | 84 | 50-75% Grass cover, Fair, HSG D |
| 854 | 98 | Roofs, HSG A |
| 2,764 | 88 | Weighted Average |
| 1,910 | | 69.10% Pervious Area |
| 854 | | 30.90% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 6.0 | | | | | **Direct Entry, min** |

## Subcatchment PS9B: Half Building B



## Summary for Subcatchment PS9C: Building

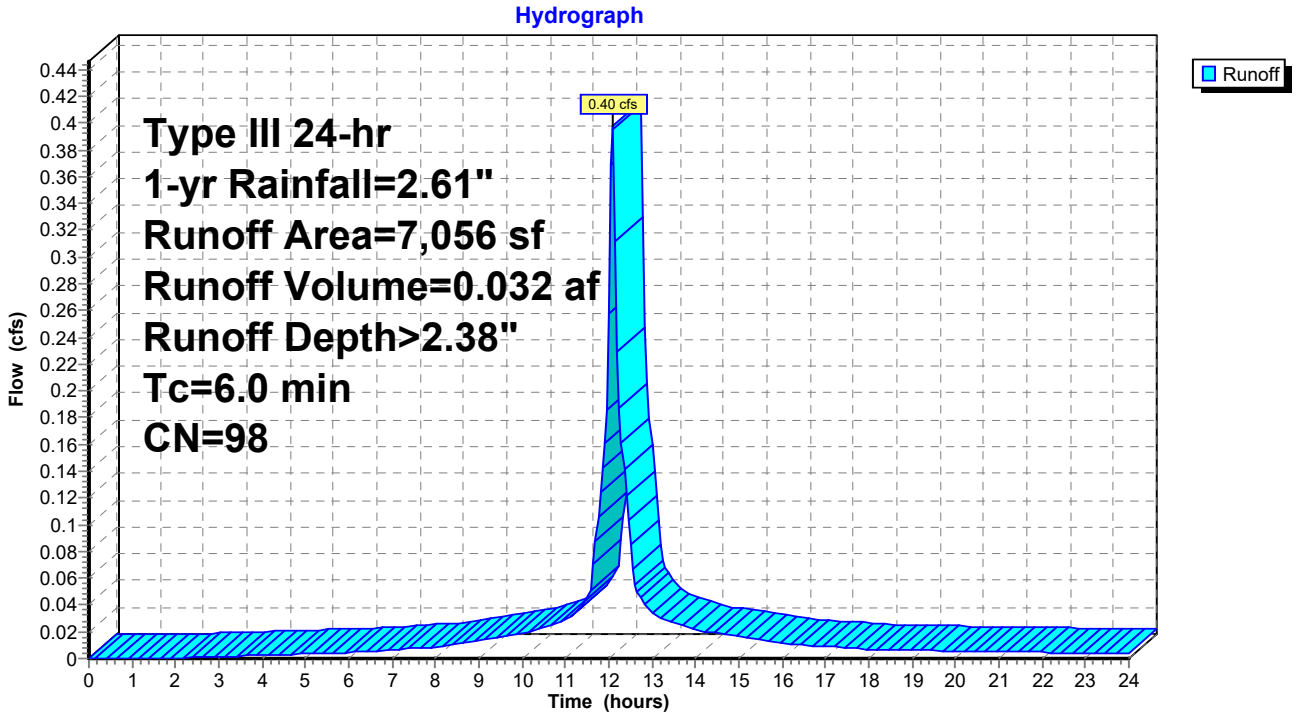
Runoff = 0.40 cfs @ 12.09 hrs, Volume= 0.032 af, Depth> 2.38"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 1-yr Rainfall=2.61"

| Area (sf) | CN | Description |
|---|---|---|
| 7,056 | 98 | Paved parking, HSG D |
| 0 | 77 | Brush, Fair, HSG D |
| 0 | 84 | 50-75% Grass cover, Fair, HSG D |
| 7,056 | 98 | Weighted Average |
| 7,056 | | 100.00% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 6.0 | | | | | **Direct Entry, min** |

## Subcatchment PS9C: Building

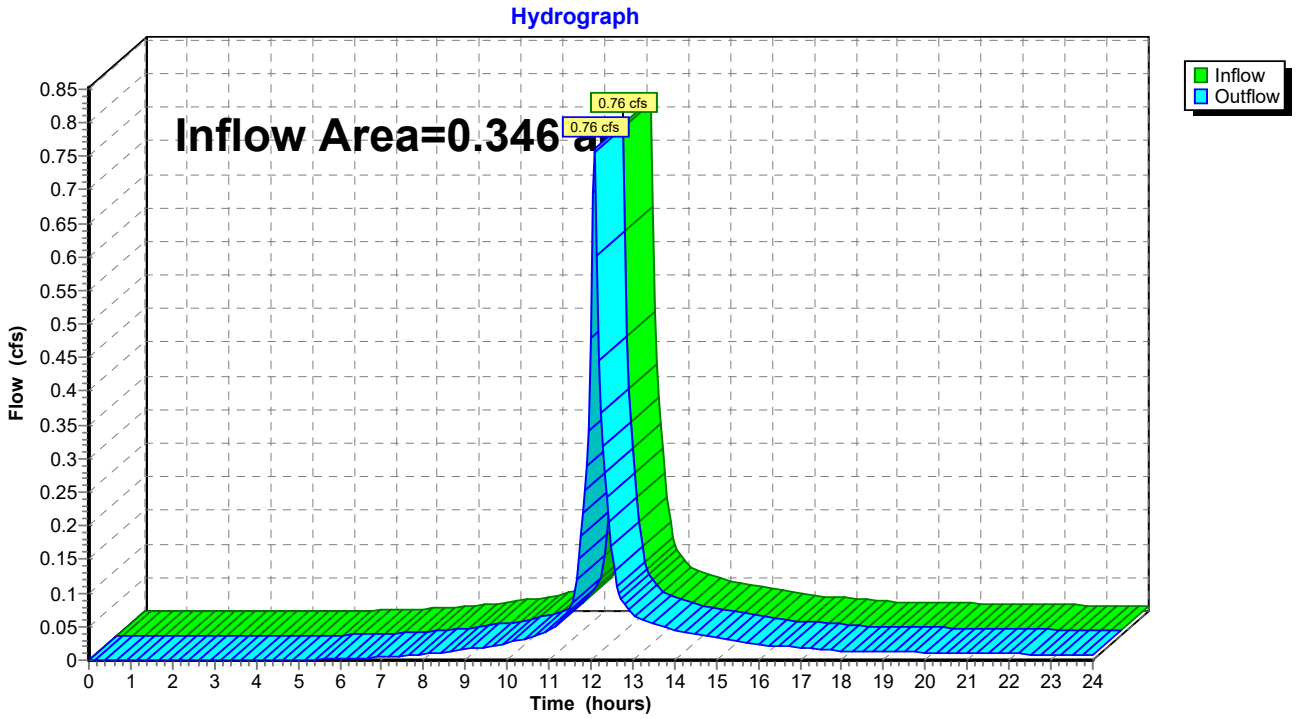


## Summary for Reach DP1:

Inflow Area = 0.346 ac, 69.24% Impervious, Inflow Depth > 1.97" for 1-yr event
Inflow = 0.76 cfs @ 12.09 hrs, Volume= 0.057 af
Outflow = 0.76 cfs @ 12.09 hrs, Volume= 0.057 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

## Reach DP1:



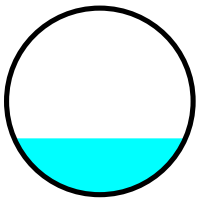
## Summary for Reach DP2: EX CB3

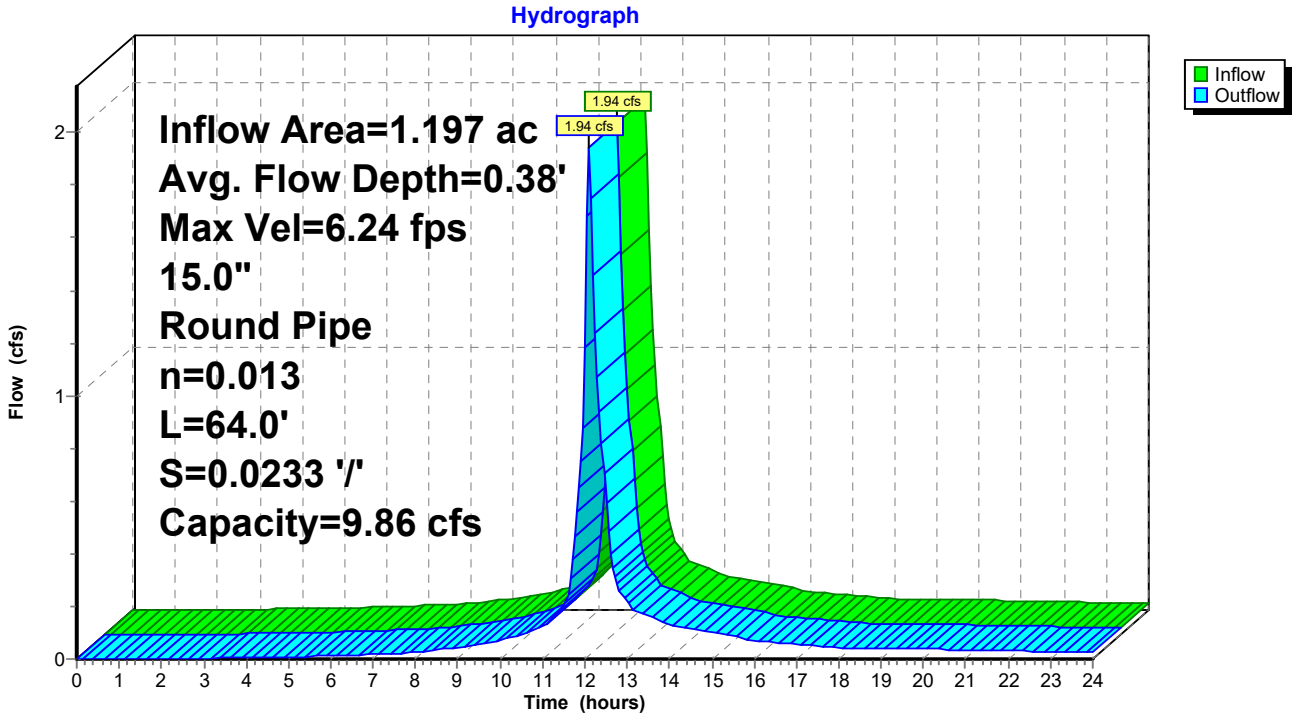
Inflow Area = 1.197 ac, 58.22% Impervious, Inflow Depth > 1.70" for 1-yr event
Inflow = 1.94 cfs @ 12.10 hrs, Volume= 0.170 af
Outflow = 1.94 cfs @ 12.10 hrs, Volume= 0.170 af, Atten= 0%, Lag= 0.1 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Max. Velocity= 6.24 fps, Min. Travel Time= 0.2 min
Avg. Velocity = 2.06 fps, Avg. Travel Time= 0.5 min

Peak Storage= 20 cf @ 12.10 hrs
Average Depth at Peak Storage= 0.38'
Bank-Full Depth= 1.25' Flow Area= 1.2 sf, Capacity= 9.86 cfs

15.0" Round Pipe
n= 0.013 Corrugated PE, smooth interior
Length= 64.0' Slope= 0.0233 '/'
Inlet Invert= 164.14', Outlet Invert= 162.65'



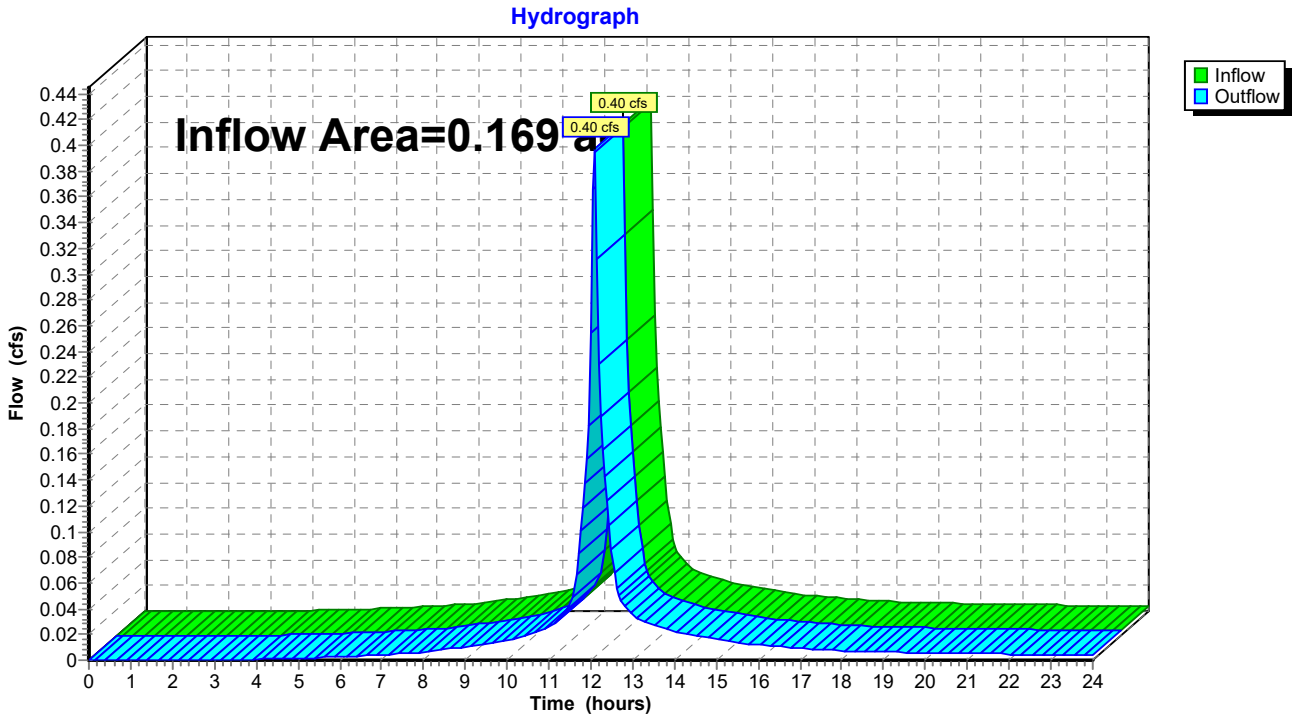


## Summary for Reach DP3:

Inflow Area = 0.169 ac, 83.20% Impervious, Inflow Depth > 2.17" for 1-yr event
Inflow = 0.40 cfs @ 12.09 hrs, Volume= 0.031 af
Outflow = 0.40 cfs @ 12.09 hrs, Volume= 0.031 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

## Reach DP3:

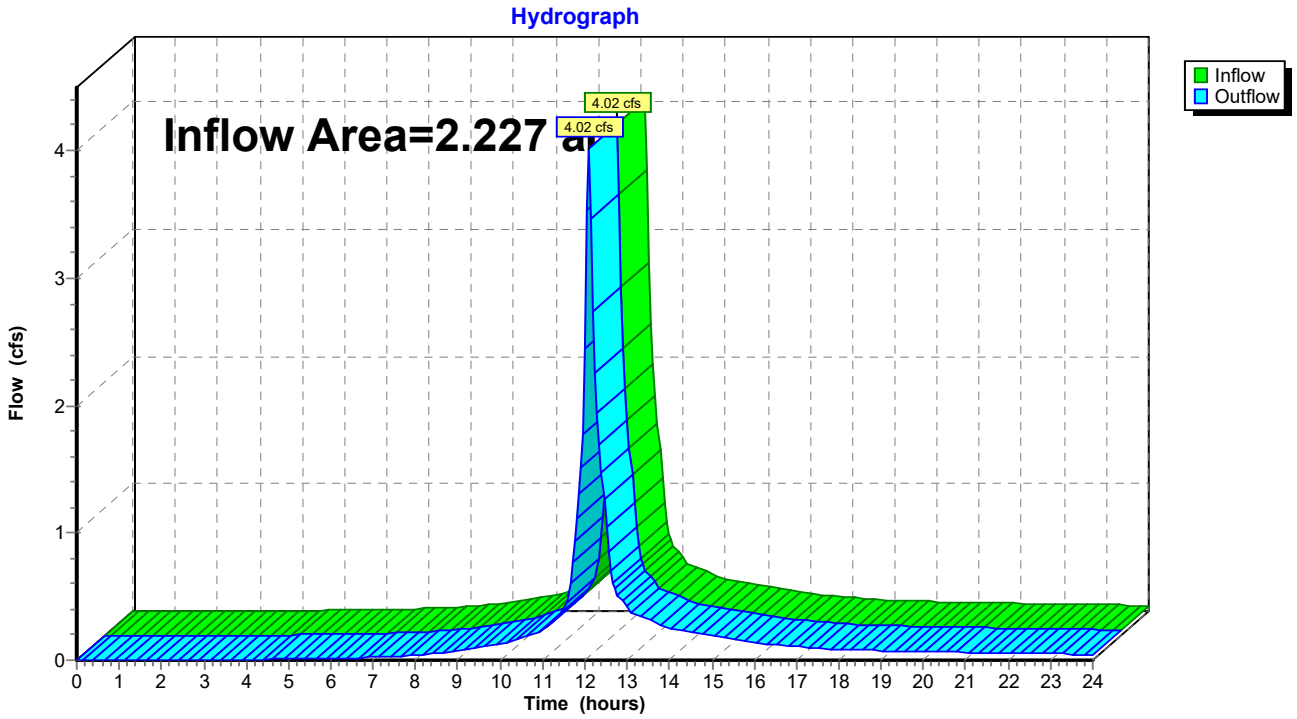


## Summary for Reach DP4:

Inflow Area = 2.227 ac, 58.06% Impervious, Inflow Depth > 1.72" for 1-yr event
Inflow = 4.02 cfs @ 12.10 hrs, Volume= 0.320 af
Outflow = 4.02 cfs @ 12.10 hrs, Volume= 0.320 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

## Reach DP4:



## Summary for Pond 1P: HYDRO 3

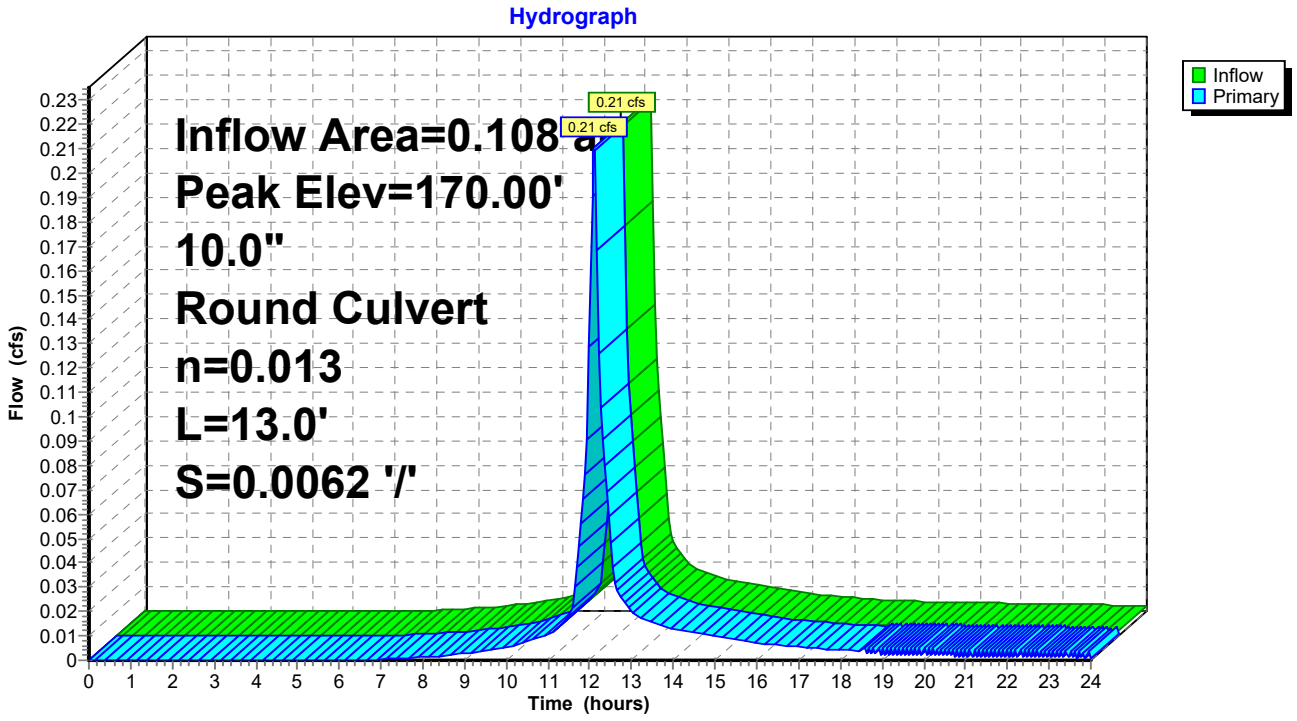
Inflow Area = 0.108 ac, 47.67% Impervious, Inflow Depth > 1.71" for 1-yr event
Inflow = 0.21 cfs @ 12.09 hrs, Volume= 0.015 af
Outflow = 0.21 cfs @ 12.09 hrs, Volume= 0.015 af, Atten= 0%, Lag= 0.0 min
Primary = 0.21 cfs @ 12.09 hrs, Volume= 0.015 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 170.00' @ 19.20 hrs
Flood Elev= 172.60'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 169.58' | **10.0" Round Culvert**<br>L= 13.0' CPP, square edge headwall, Ke= 0.500<br>Inlet / Outlet Invert= 169.58' / 169.50' S= 0.0062 '/' Cc= 0.900<br>n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.55 sf |

**Primary OutFlow** Max=0.21 cfs @ 12.09 hrs HW=169.86' TW=169.43' (Dynamic Tailwater)
↳**1=Culvert** (Barrel Controls 0.21 cfs @ 1.94 fps)

### Pond 1P: HYDRO 3



## Summary for Pond 2P: Bioretention

Inflow Area = 0.108 ac, 47.67% Impervious, Inflow Depth > 1.71" for 1-yr event
Inflow = 0.21 cfs @ 12.09 hrs, Volume= 0.015 af
Outflow = 0.00 cfs @ 19.14 hrs, Volume= 0.001 af, Atten= 98%, Lag= 422.9 min
Primary = 0.00 cfs @ 19.14 hrs, Volume= 0.001 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 170.00' @ 19.14 hrs Surf.Area= 756 sf Storage= 612 cf
Flood Elev= 171.00' Surf.Area= 1,101 sf Storage= 1,538 cf

Plug-Flow detention time= 671.6 min calculated for 0.001 af (9% of inflow)
Center-of-Mass det. time= 459.3 min ( 1,268.6 - 809.3 )

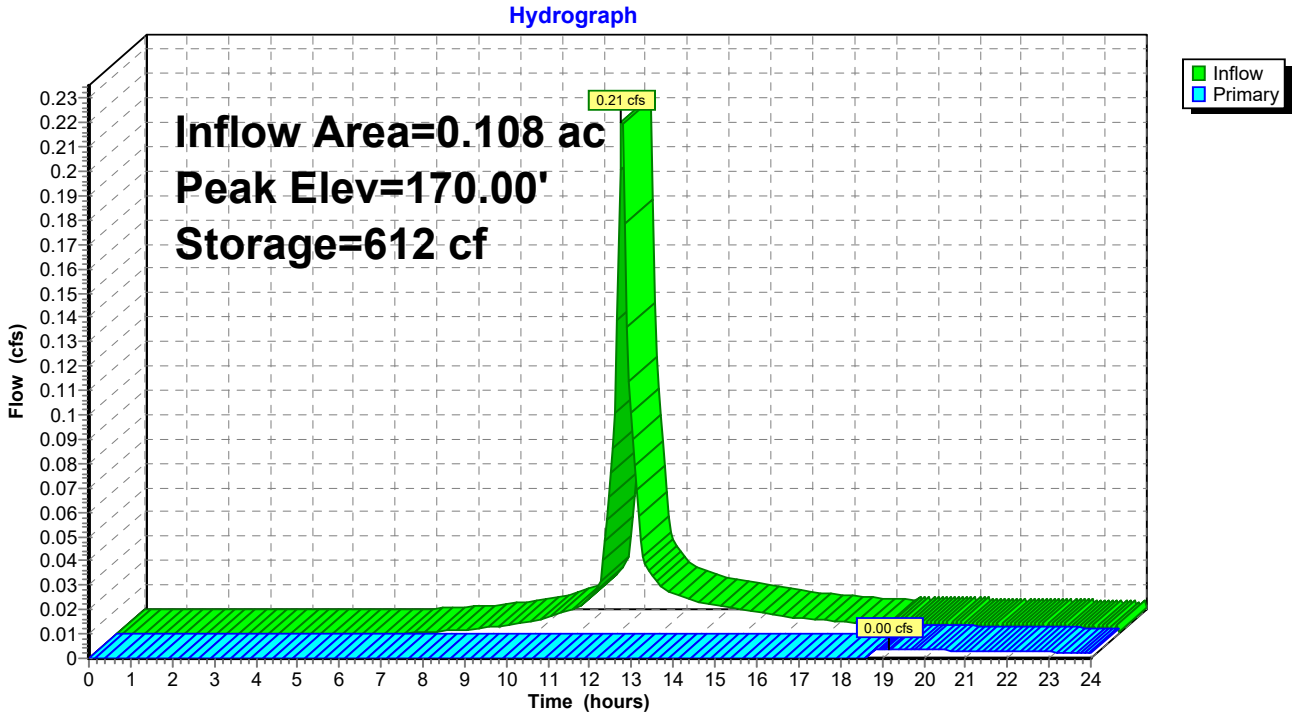
| Volume | Invert | Avail.Storage | Storage Description |
|---|---|---|---|
| #1 | 169.00' | 1,538 cf | **Custom Stage Data (Prismatic)** Listed below (Recalc) |

| Elevation (feet) | Surf.Area (sq-ft) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
|---|---|---|---|
| 169.00 | 464 | 0 | 0 |
| 170.00 | 755 | 610 | 610 |
| 171.00 | 1,101 | 928 | 1,538 |

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 164.95' | **12.0" Round Culvert**<br>L= 47.8' CPP, square edge headwall, Ke= 0.500<br>Inlet / Outlet Invert= 164.95' / 164.71' S= 0.0050 '/' Cc= 0.900<br>n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |
| #2 | Device 1 | 170.00' | **24.0" x 24.0" Horiz. Orifice/Grate** C= 0.600<br>Limited to weir flow at low heads |

**Primary OutFlow** Max=0.00 cfs @ 19.14 hrs HW=170.00' TW=164.20' (Dynamic Tailwater)
↑**1=Culvert** (Passes 0.00 cfs of 7.54 cfs potential flow)
↑**2=Orifice/Grate** (Weir Controls 0.00 cfs @ 0.17 fps)

## Pond 2P: Bioretention



## Summary for Pond 3P: Infiltrator 1

Inflow Area = 0.063 ac,100.00% Impervious, Inflow Depth > 2.38" for 1-yr event
Inflow = 0.16 cfs @ 12.09 hrs, Volume= 0.013 af
Outflow = 0.01 cfs @ 10.65 hrs, Volume= 0.008 af, Atten= 96%, Lag= 0.0 min
Discarded = 0.01 cfs @ 10.65 hrs, Volume= 0.008 af
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 159.97' @ 15.28 hrs Surf.Area= 506 sf Storage= 286 cf
Flood Elev= 161.50' Surf.Area= 506 sf Storage= 816 cf

Plug-Flow detention time= (not calculated: outflow precedes inflow)
Center-of-Mass det. time= 155.6 min ( 916.0 - 760.5 )

| Volume | Invert | Avail.Storage | Storage Description |
|---|---|---|---|
| #1A | 159.00' | 487 cf | **15.75'W x 32.10'L x 3.50'H Field A**<br>1,769 cf Overall - 551 cf Embedded = 1,218 cf x 40.0% Voids |
| #2A | 159.50' | 551 cf | **ADS_StormTech SC-740 +Cap** x 12 Inside #1<br>Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf<br>Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap<br>3 Rows of 4 Chambers |
| | | 1,038 cf | Total Available Storage |

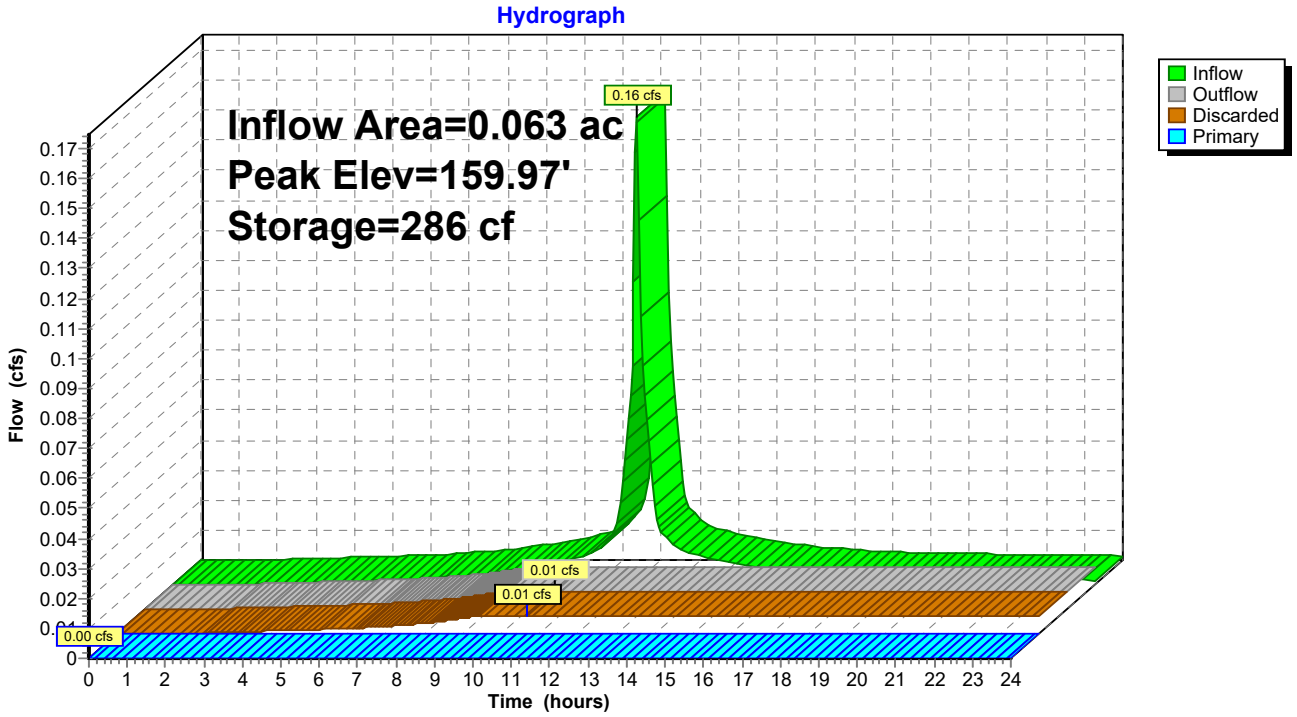
Storage Group A created with Chamber Wizard

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Discarded | 159.00' | **0.500 in/hr Exfiltration over Surface area** |
| #2 | Primary | 161.00' | **6.0" Round Culvert**<br>L= 58.0' CPP, square edge headwall, Ke= 0.500<br>Inlet / Outlet Invert= 161.00' / 156.45' S= 0.0784 '/' Cc= 0.900<br>n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf |

**Discarded OutFlow** Max=0.01 cfs @ 10.65 hrs HW=159.04' (Free Discharge)
↑**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

**Primary OutFlow** Max=0.00 cfs @ 0.00 hrs HW=159.00' TW=155.15' (Dynamic Tailwater)
↑**2=Culvert** ( Controls 0.00 cfs)

## Pond 3P: Infiltrator 1



## Summary for Pond 6P: CB1-CB3

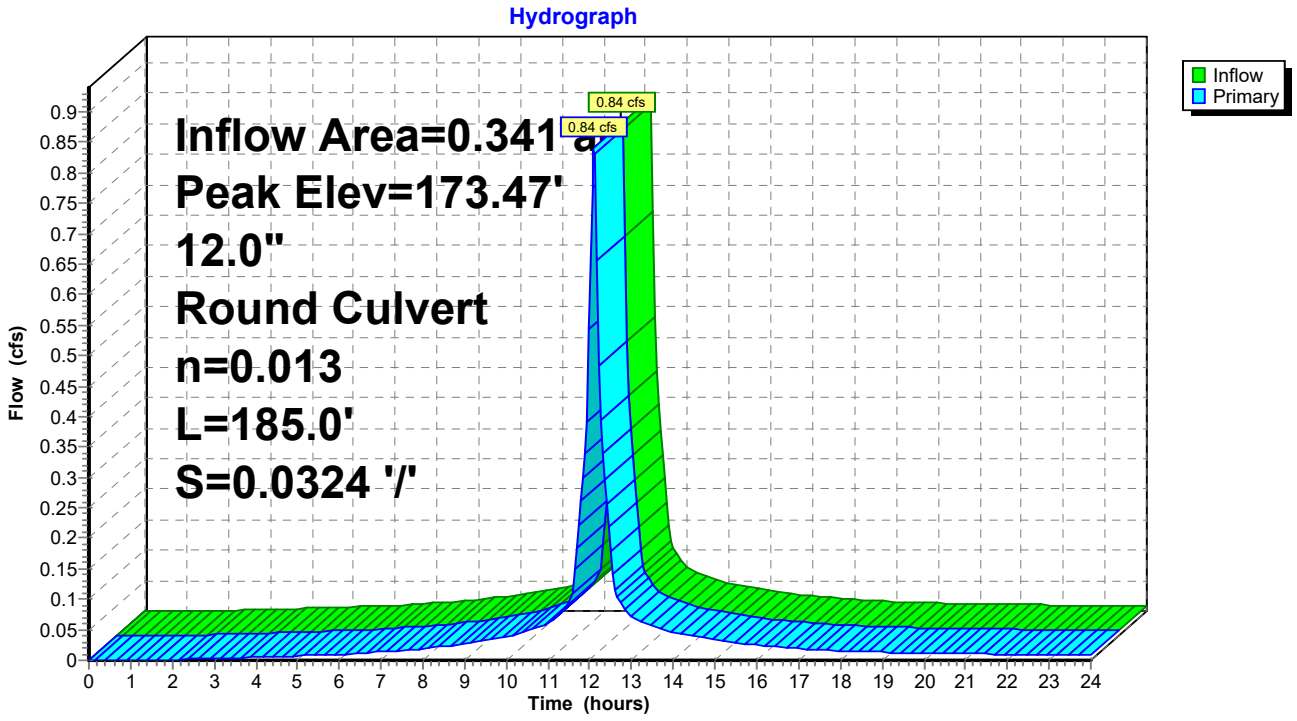
Inflow Area = 0.341 ac,100.00% Impervious, Inflow Depth > 2.38" for 1-yr event
Inflow = 0.84 cfs @ 12.09 hrs, Volume= 0.068 af
Outflow = 0.84 cfs @ 12.09 hrs, Volume= 0.068 af, Atten= 0%, Lag= 0.0 min
Primary = 0.84 cfs @ 12.09 hrs, Volume= 0.068 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 173.47' @ 12.09 hrs
Flood Elev= 176.90'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 173.00' | **12.0" Round Culvert**<br>L= 185.0' CPP, square edge headwall, Ke= 0.500<br>Inlet / Outlet Invert= 173.00' / 167.00' S= 0.0324 '/' Cc= 0.900<br>n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

**Primary OutFlow** Max=0.82 cfs @ 12.09 hrs HW=173.46' TW=167.54' (Dynamic Tailwater)
**1=Culvert** (Inlet Controls 0.82 cfs @ 2.31 fps)

### Pond 6P: CB1-CB3



## Summary for Pond 7P: YD1-YD2

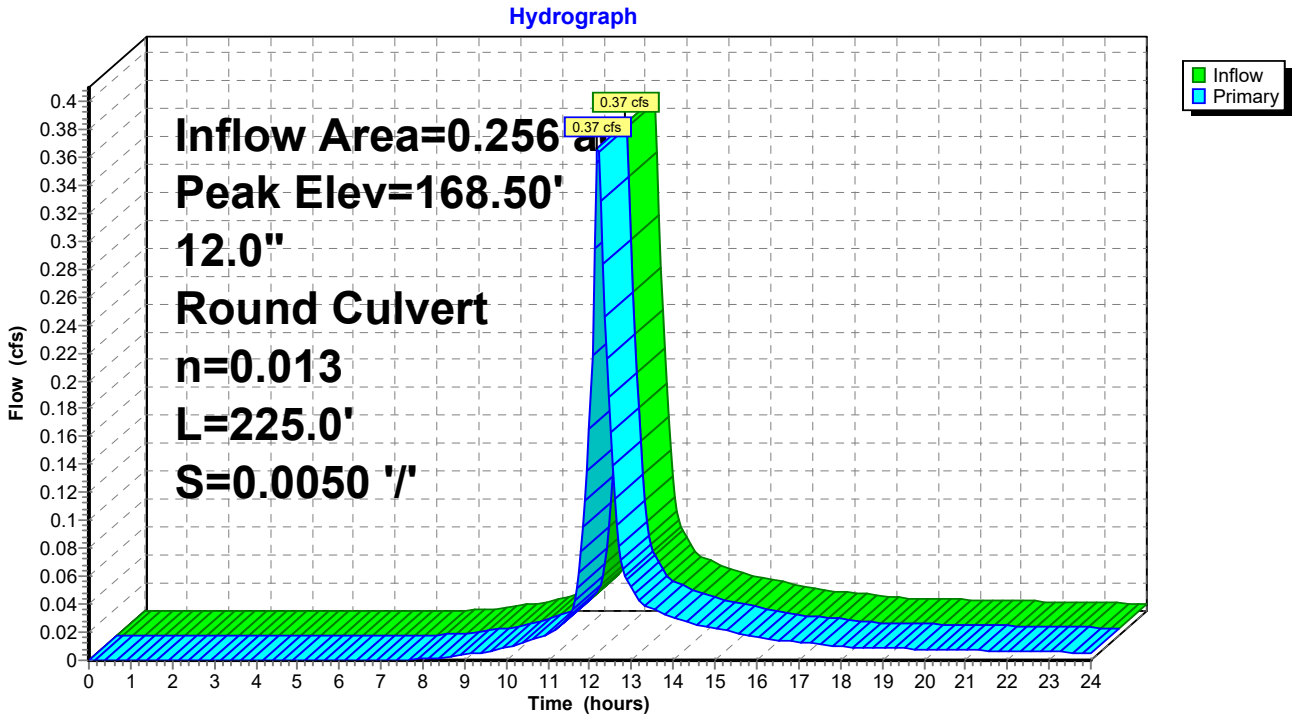
Inflow Area = 0.256 ac, 35.85% Impervious, Inflow Depth > 1.55" for 1-yr event
Inflow = 0.37 cfs @ 12.18 hrs, Volume= 0.033 af
Outflow = 0.37 cfs @ 12.18 hrs, Volume= 0.033 af, Atten= 0%, Lag= 0.0 min
Primary = 0.37 cfs @ 12.18 hrs, Volume= 0.033 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 168.50' @ 12.18 hrs
Flood Elev= 171.75'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 168.13' | **12.0" Round Culvert**<br>L= 225.0' CPP, square edge headwall, Ke= 0.500<br>Inlet / Outlet Invert= 168.13' / 167.00' S= 0.0050 '/' Cc= 0.900<br>n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

**Primary OutFlow** Max=0.37 cfs @ 12.18 hrs HW=168.50' TW=167.49' (Dynamic Tailwater)
**1=Culvert** (Outlet Controls 0.37 cfs @ 2.12 fps)

## Pond 7P: YD1-YD2



## Summary for Pond 8P: HYDRO 1

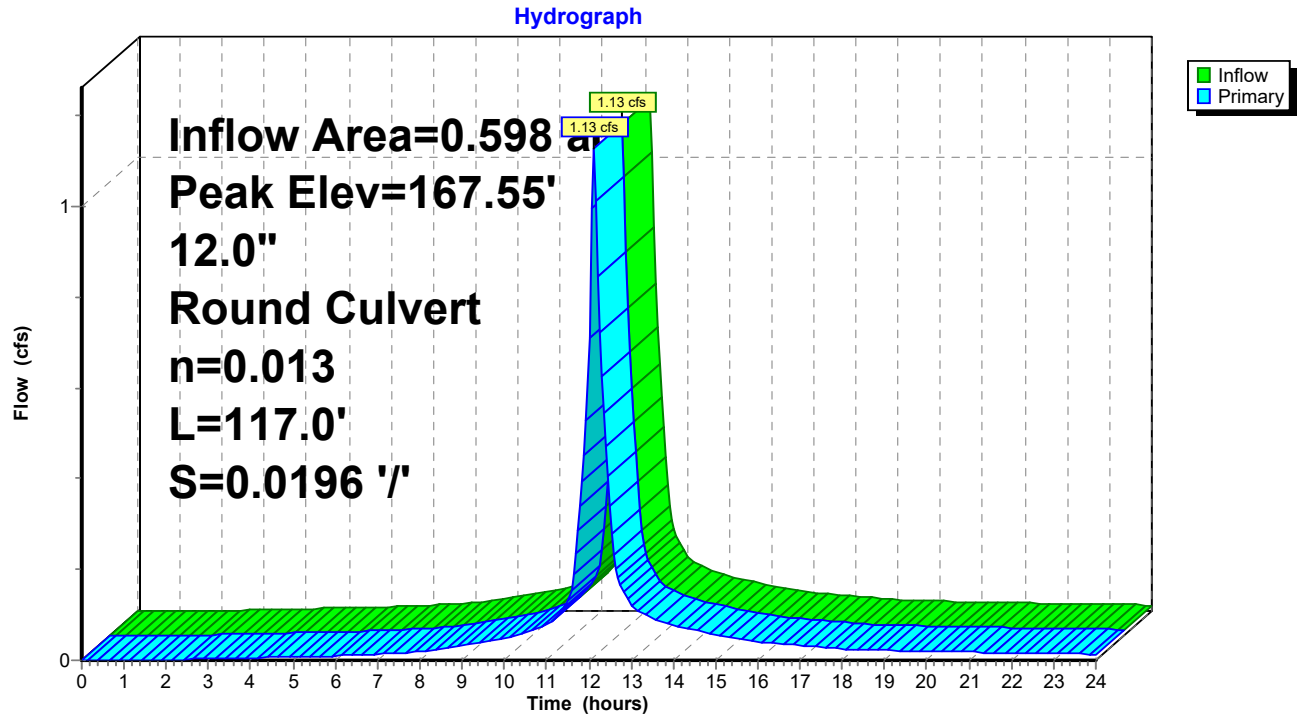
Inflow Area = 0.598 ac, 72.50% Impervious, Inflow Depth > 2.02" for 1-yr event
Inflow = 1.13 cfs @ 12.10 hrs, Volume= 0.101 af
Outflow = 1.13 cfs @ 12.10 hrs, Volume= 0.101 af, Atten= 0%, Lag= 0.0 min
Primary = 1.13 cfs @ 12.10 hrs, Volume= 0.101 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 167.55' @ 12.10 hrs
Flood Elev= 173.15'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 167.00' | **12.0" Round Culvert**<br>L= 117.0' CPP, square edge headwall, Ke= 0.500<br>Inlet / Outlet Invert= 167.00' / 164.71' S= 0.0196 '/' Cc= 0.900<br>n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

**Primary OutFlow** Max=1.12 cfs @ 12.10 hrs HW=167.55' TW=164.52' (Dynamic Tailwater)
**1=Culvert** (Inlet Controls 1.12 cfs @ 2.53 fps)

### Pond 8P: HYDRO 1



## Summary for Pond 9P: MH5-MH6

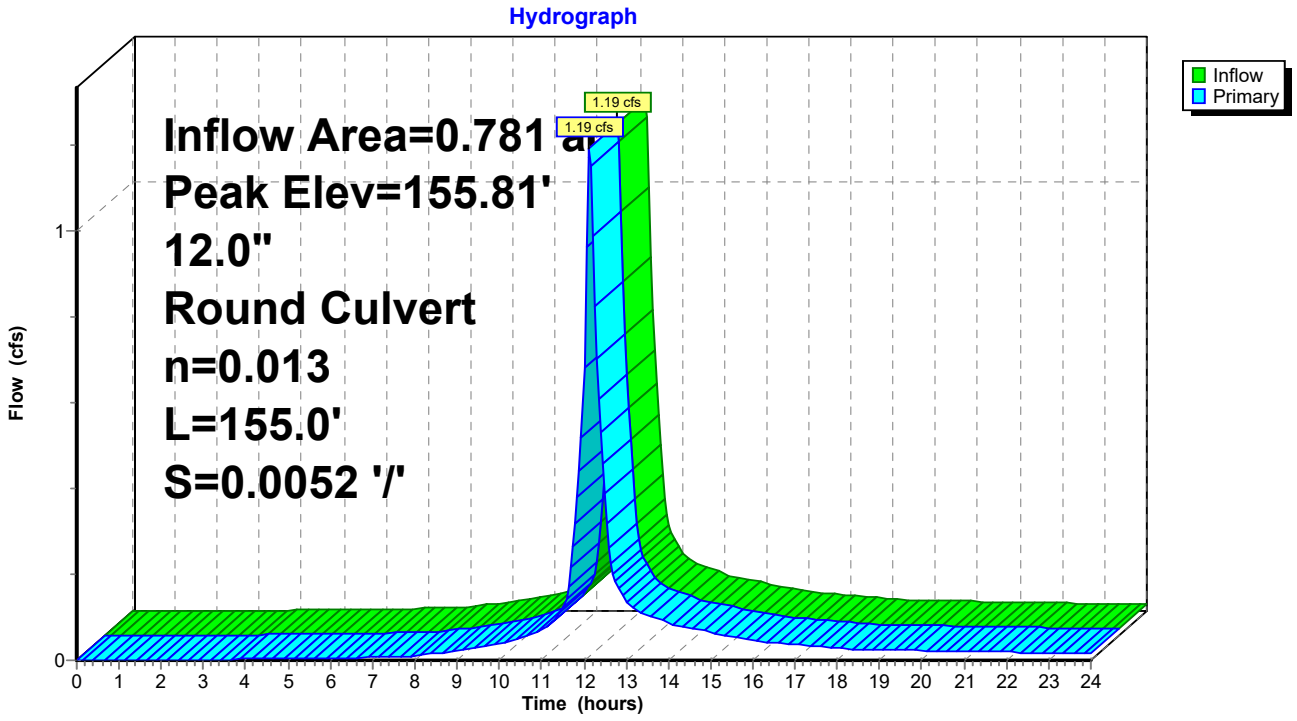
Inflow Area = 0.781 ac, 55.73% Impervious, Inflow Depth > 1.59" for 1-yr event
Inflow = 1.19 cfs @ 12.12 hrs, Volume= 0.103 af
Outflow = 1.19 cfs @ 12.12 hrs, Volume= 0.103 af, Atten= 0%, Lag= 0.0 min
Primary = 1.19 cfs @ 12.12 hrs, Volume= 0.103 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 155.81' @ 12.12 hrs
Flood Elev= 162.50'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 155.15' | **12.0" Round Culvert**<br>L= 155.0' CPP, square edge headwall, Ke= 0.500<br>Inlet / Outlet Invert= 155.15' / 154.35' S= 0.0052 '/' Cc= 0.900<br>n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

**Primary OutFlow** Max=1.17 cfs @ 12.12 hrs HW=155.80' TW=0.00' (Dynamic Tailwater)
**1=Culvert** (Barrel Controls 1.17 cfs @ 3.09 fps)

### Pond 9P: MH5-MH6



## Summary for Pond 14P: HYDRO 2

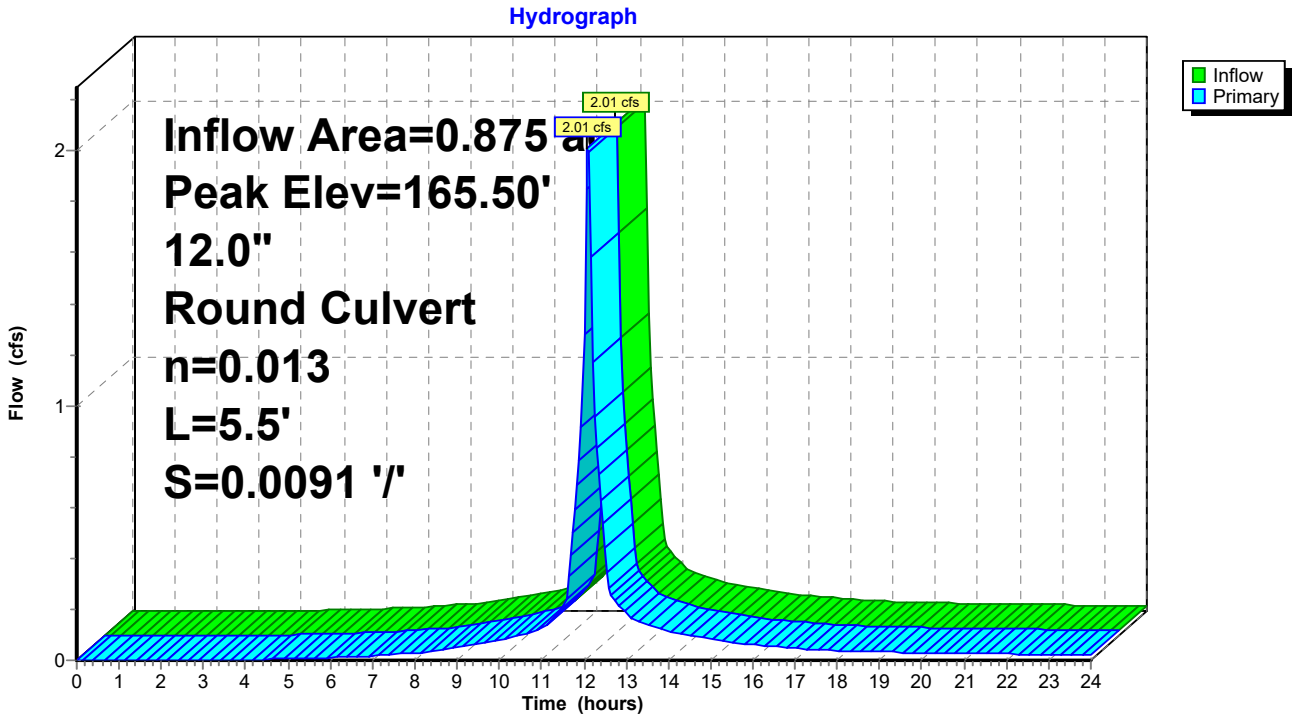
Inflow Area = 0.875 ac, 77.89% Impervious, Inflow Depth > 2.10" for 1-yr event
Inflow = 2.01 cfs @ 12.09 hrs, Volume= 0.153 af
Outflow = 2.01 cfs @ 12.09 hrs, Volume= 0.153 af, Atten= 0%, Lag= 0.0 min
Primary = 2.01 cfs @ 12.09 hrs, Volume= 0.153 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 165.50' @ 12.09 hrs
Flood Elev= 168.75'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 164.55' | **12.0" Round Culvert**<br>L= 5.5' CPP, square edge headwall, Ke= 0.500<br>Inlet / Outlet Invert= 164.55' / 164.50' S= 0.0091 '/' Cc= 0.900<br>n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

**Primary OutFlow** Max=1.96 cfs @ 12.09 hrs HW=165.48' TW=162.47' (Dynamic Tailwater)
**1=Culvert** (Barrel Controls 1.96 cfs @ 3.34 fps)

### Pond 14P: HYDRO 2



## Summary for Pond 15P: MH7

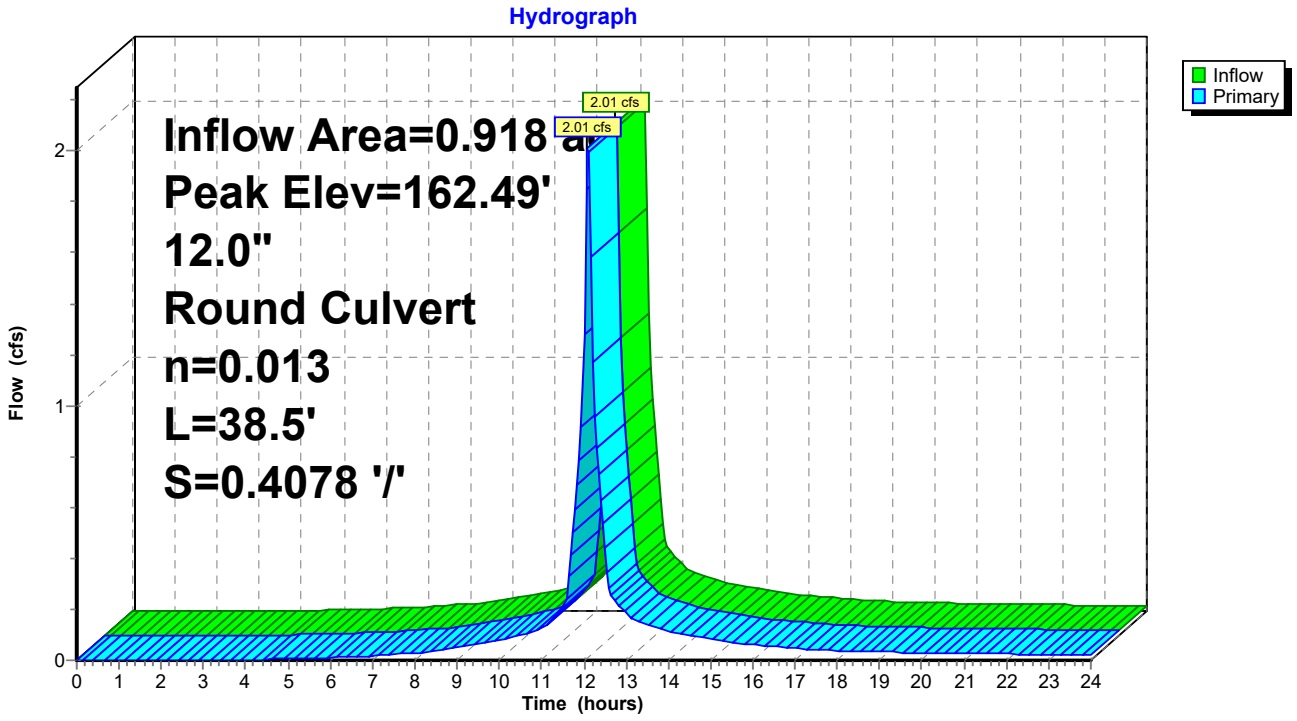
Inflow Area = 0.918 ac, 78.92% Impervious, Inflow Depth > 2.00" for 1-yr event
Inflow = 2.01 cfs @ 12.09 hrs, Volume= 0.153 af
Outflow = 2.01 cfs @ 12.09 hrs, Volume= 0.153 af, Atten= 0%, Lag= 0.0 min
Primary = 2.01 cfs @ 12.09 hrs, Volume= 0.153 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 162.49' @ 12.09 hrs
Flood Elev= 168.00'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 161.70' | **12.0" Round Culvert**<br>L= 38.5' CPP, square edge headwall, Ke= 0.500<br>Inlet / Outlet Invert= 161.70' / 146.00' S= 0.4078 '/' Cc= 0.900<br>n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

**Primary OutFlow** Max=1.96 cfs @ 12.09 hrs HW=162.47' TW=146.77' (Dynamic Tailwater)
**1=Culvert** (Inlet Controls 1.96 cfs @ 3.00 fps)

### Pond 15P: MH7



## Summary for Pond 16P: MH8

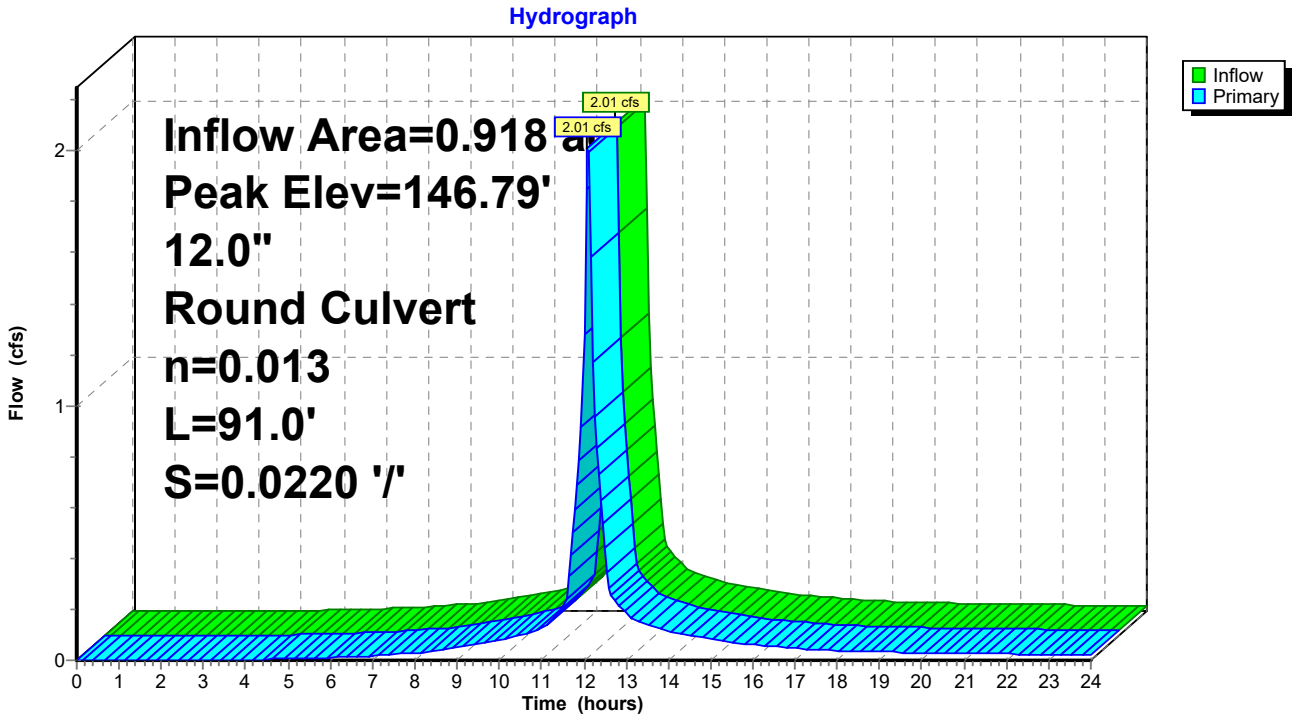
Inflow Area = 0.918 ac, 78.92% Impervious, Inflow Depth > 2.00" for 1-yr event
Inflow = 2.01 cfs @ 12.09 hrs, Volume= 0.153 af
Outflow = 2.01 cfs @ 12.09 hrs, Volume= 0.153 af, Atten= 0%, Lag= 0.0 min
Primary = 2.01 cfs @ 12.09 hrs, Volume= 0.153 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 146.79' @ 12.09 hrs
Flood Elev= 151.50'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 146.00' | **12.0" Round Culvert**<br>L= 91.0' CPP, square edge headwall, Ke= 0.500<br>Inlet / Outlet Invert= 146.00' / 144.00' S= 0.0220 '/' Cc= 0.900<br>n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

**Primary OutFlow** Max=1.96 cfs @ 12.09 hrs HW=146.77' TW=0.00' (Dynamic Tailwater)
**1=Culvert** (Inlet Controls 1.96 cfs @ 3.00 fps)

### Pond 16P: MH8



## Summary for Pond PP-1: Porous Pavement

Inflow Area = 0.043 ac,100.00% Impervious, Inflow Depth > 2.38" for 1-yr event
Inflow = 0.11 cfs @ 12.09 hrs, Volume= 0.009 af
Outflow = 0.02 cfs @ 12.05 hrs, Volume= 0.009 af, Atten= 81%, Lag= 0.0 min
Discarded = 0.02 cfs @ 12.05 hrs, Volume= 0.009 af
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 166.13' @ 12.53 hrs Surf.Area= 1,700 sf Storage= 91 cf
Flood Elev= 170.00' Surf.Area= 1,700 sf Storage= 2,720 cf

Plug-Flow detention time= (not calculated: outflow precedes inflow)
Center-of-Mass det. time= 23.9 min ( 784.3 - 760.5 )

| Volume | Invert | Avail.Storage | Storage Description |
|---|---|---|---|
| #1 | 166.00' | 2,720 cf | **Custom Stage Data (Prismatic)** Listed below (Recalc)<br>6,800 cf Overall x 40.0% Voids |

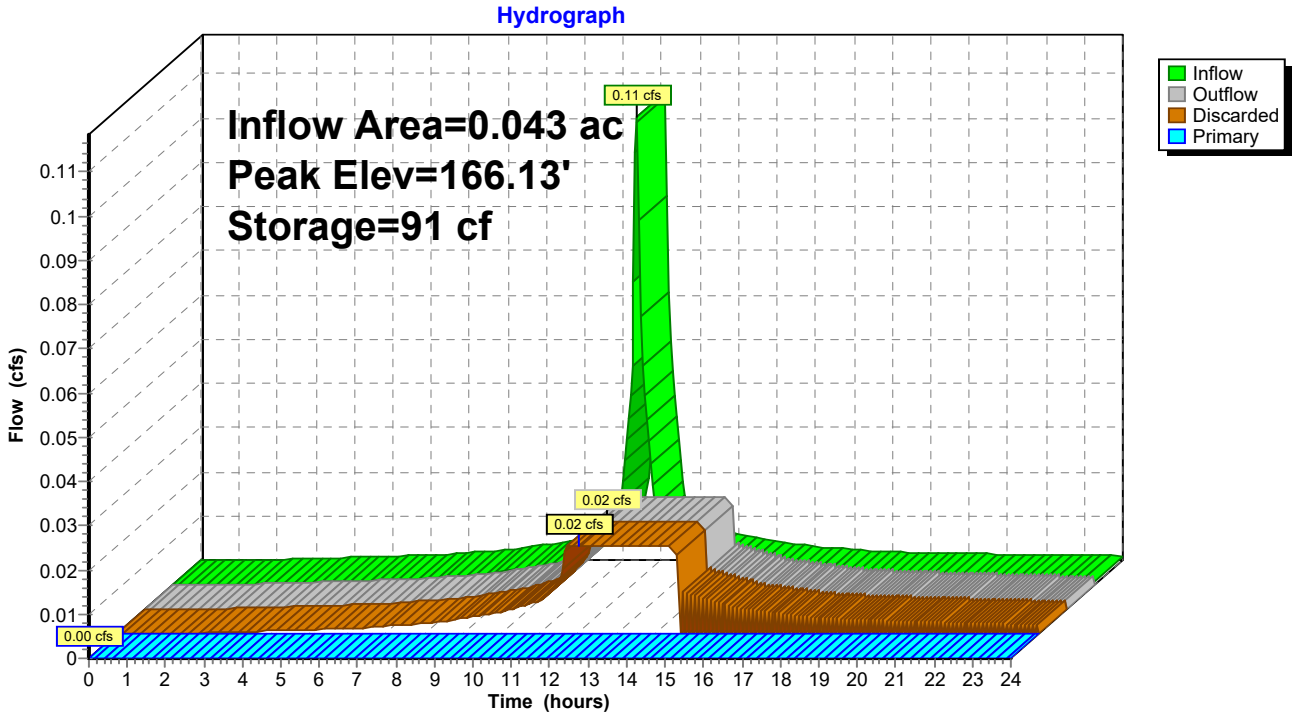
| Elevation (feet) | Surf.Area (sq-ft) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
|---|---|---|---|
| 166.00 | 1,700 | 0 | 0 |
| 170.00 | 1,700 | 6,800 | 6,800 |

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Discarded | 166.00' | **0.500 in/hr Exfiltration over Surface area** |
| #2 | Primary | 165.00' | **6.0" Round Culvert**<br>L= 23.0' CPP, square edge headwall, Ke= 0.500<br>Inlet / Outlet Invert= 165.00' / 164.25' S= 0.0326 '/' Cc= 0.900<br>n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf |
| #3 | Device 2 | 169.67' | **4.0" Vert. Orifice/Grate** C= 0.600 |

**Discarded OutFlow** Max=0.02 cfs @ 12.05 hrs HW=166.05' (Free Discharge)
↑└**1=Exfiltration** (Exfiltration Controls 0.02 cfs)

**Primary OutFlow** Max=0.00 cfs @ 0.00 hrs HW=166.00' TW=161.70' (Dynamic Tailwater)
↑└**2=Culvert** (Passes 0.00 cfs of 0.82 cfs potential flow)
↑└**3=Orifice/Grate** ( Controls 0.00 cfs)

## Pond PP-1: Porous Pavement



## Summary for Subcatchment PS1: Driveway - North of Parker Ave

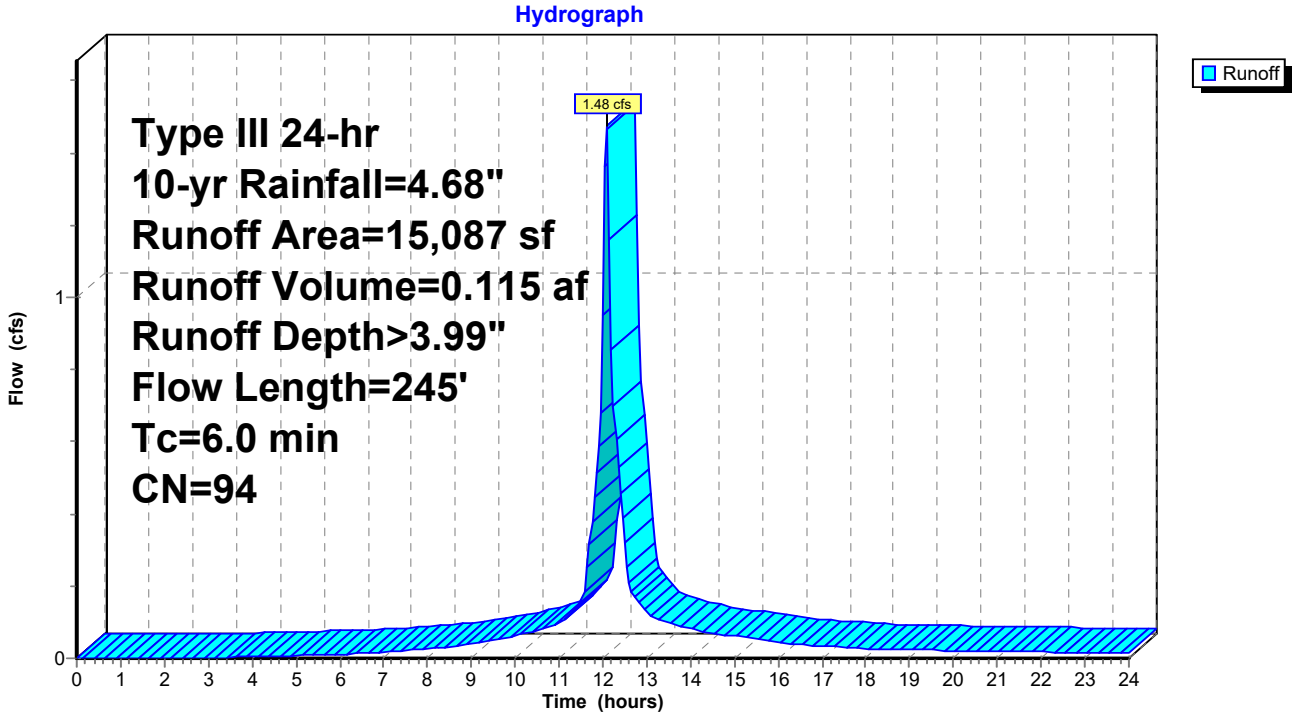
Runoff = 1.48 cfs @ 12.09 hrs, Volume= 0.115 af, Depth> 3.99"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-yr Rainfall=4.68"

| | Area (sf) | CN | Description |
|---|---|---|---|
| | 10,446 | 98 | Paved parking, HSG D |
| * | 0 | 98 | Gravel parking, HSG D |
| | 4,641 | 84 | 50-75% Grass cover, Fair, HSG D |
| | 15,087 | 94 | Weighted Average |
| | 4,641 | | 30.76% Pervious Area |
| | 10,446 | | 69.24% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 0.8 | 100 | 0.0500 | 1.97 | | **Sheet Flow, 100 feet paved @ 5%** Smooth surfaces n= 0.011 P2= 3.16" |
| 0.6 | 145 | 0.0340 | 3.74 | | **Shallow Concentrated Flow, 145 feet paved @ 3.4%** Paved Kv= 20.3 fps |
| 1.4 | 245 | Total, Increased to minimum Tc = 6.0 min | | | |

## Subcatchment PS1: Driveway - North of Parker Ave



## Summary for Subcatchment PS10: Existing grass area

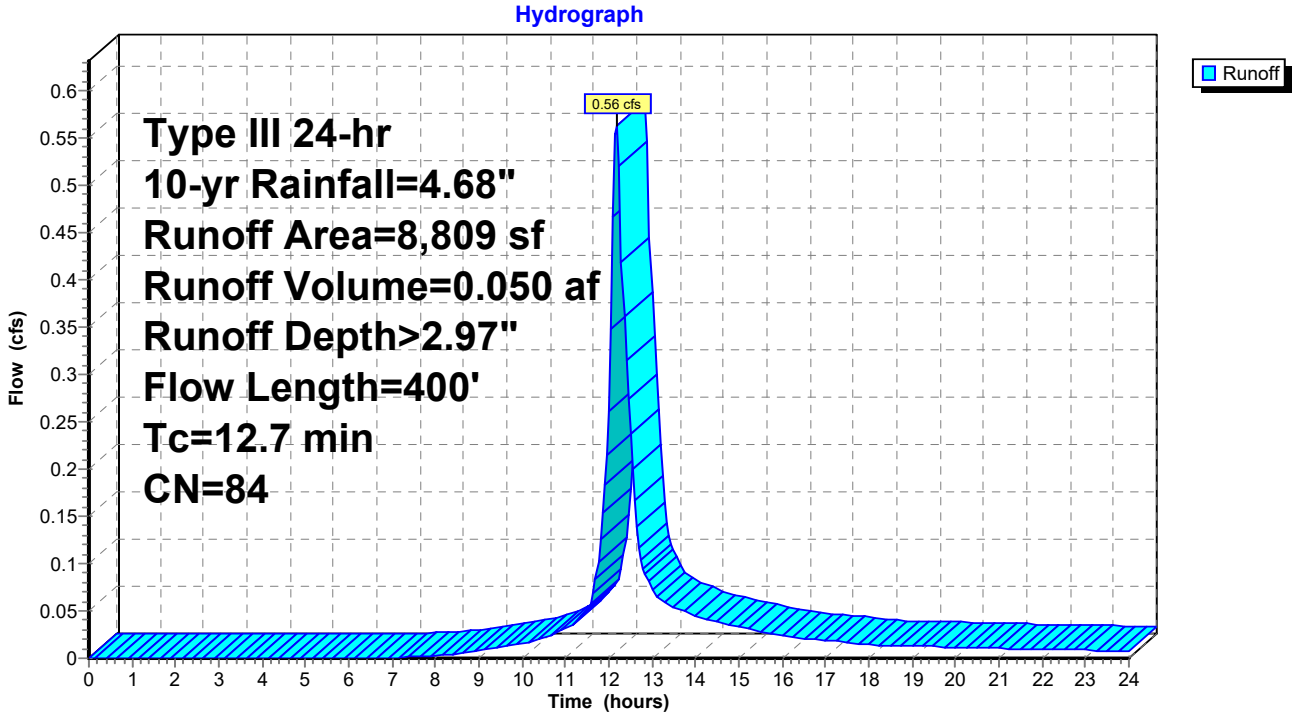
Runoff = 0.56 cfs @ 12.17 hrs, Volume= 0.050 af, Depth> 2.97"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-yr Rainfall=4.68"

| | Area (sf) | CN | Description |
|---|---|---|---|
| | 8,809 | 84 | 50-75% Grass cover, Fair, HSG D |
| * | 0 | 98 | Gravel parking, HSG D |
| | 8,809 | 84 | Weighted Average |
| | 8,809 | | 100.00% Pervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 8.3 | 100 | 0.0310 | 0.20 | | **Sheet Flow, 100 ft grass @3.1%** Grass: Short n= 0.150 P2= 3.16" |
| 4.4 | 300 | 0.0268 | 1.15 | | **Shallow Concentrated Flow, 300 ft grass @ 2.68%** Short Grass Pasture Kv= 7.0 fps |
| 12.7 | 400 | Total | | | |

## Subcatchment PS10: Existing grass area



## Summary for Subcatchment PS11: Walkway/Grass - South of Parker Ave

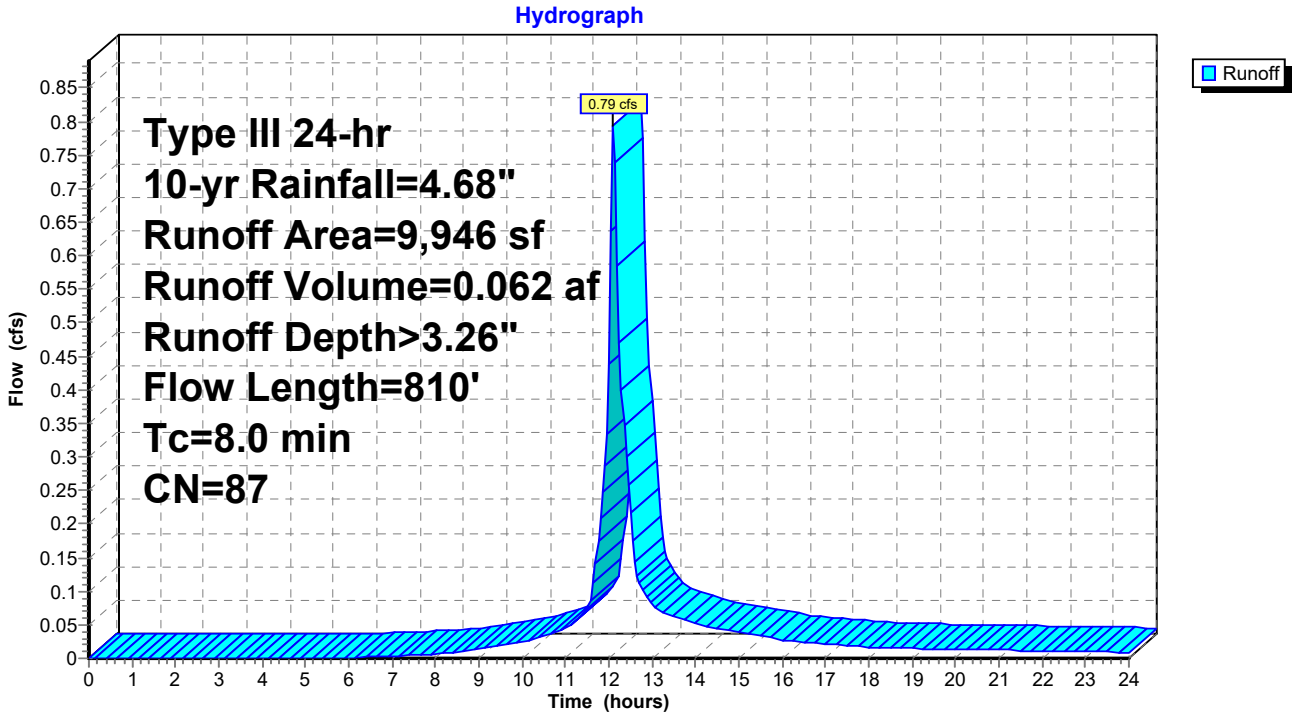
Runoff = 0.79 cfs @ 12.11 hrs, Volume= 0.062 af, Depth> 3.26"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-yr Rainfall=4.68"

| Area (sf) | CN | Description |
|---|---|---|
| 2,302 | 98 | Paved parking, HSG D |
| 0 | 77 | Brush, Fair, HSG D |
| 7,644 | 84 | 50-75% Grass cover, Fair, HSG D |
| 9,946 | 87 | Weighted Average |
| 7,644 | | 76.86% Pervious Area |
| 2,302 | | 23.14% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 2.7 | 10 | 0.0050 | 0.06 | | **Sheet Flow, 10 ft grass @ 0.5%** Grass: Short n= 0.150 P2= 3.16" |
| 0.5 | 9 | 0.3300 | 0.32 | | **Sheet Flow, 9 ft grass @ 33%** Grass: Short n= 0.150 P2= 3.16" |
| 0.7 | 76 | 0.0410 | 1.72 | | **Sheet Flow, 76 ft Sidewalk @ 4.1%** Smooth surfaces n= 0.011 P2= 3.16" |
| 0.3 | 70 | 0.0410 | 4.11 | | **Shallow Concentrated Flow, 70 ft Sidewalk @4.1%** Paved Kv= 20.3 fps |
| 1.0 | 173 | 0.0200 | 2.87 | | **Shallow Concentrated Flow, 173 ft HMA @ 2 %** Paved Kv= 20.3 fps |
| 2.8 | 472 | 0.0190 | 2.80 | | **Shallow Concentrated Flow, 472 ft gutter flow** Paved Kv= 20.3 fps |
| 8.0 | 810 | Total | | | |

## Subcatchment PS11: Walkway/Grass - South of Parker Ave



## Summary for Subcatchment PS12: Pavers

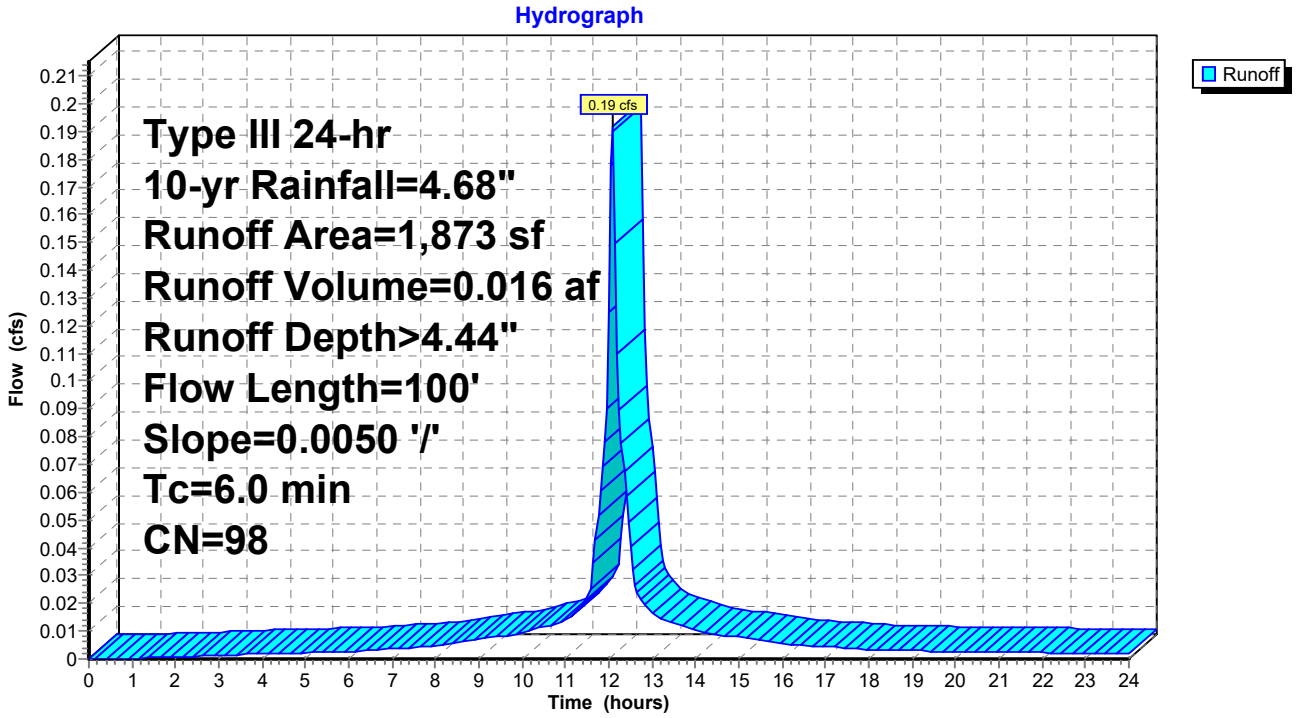
Runoff = 0.19 cfs @ 12.09 hrs, Volume= 0.016 af, Depth> 4.44"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-yr Rainfall=4.68"

| Area (sf) | CN | Description |
|---|---|---|
| 1,873 | 98 | Paved parking, HSG D |
| 0 | 77 | Brush, Fair, HSG D |
| 0 | 84 | 50-75% Grass cover, Fair, HSG D |
| 1,873 | 98 | Weighted Average |
| 1,873 | | 100.00% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 2.1 | 100 | 0.0050 | 0.79 | | **Sheet Flow, 25 ft pavers @ 0.5%** Smooth surfaces n= 0.011 P2= 3.16" |
| 2.1 | 100 | Total, Increased to minimum Tc = 6.0 min | | | |

## Subcatchment PS12: Pavers



## Summary for Subcatchment PS2: Parking Lot

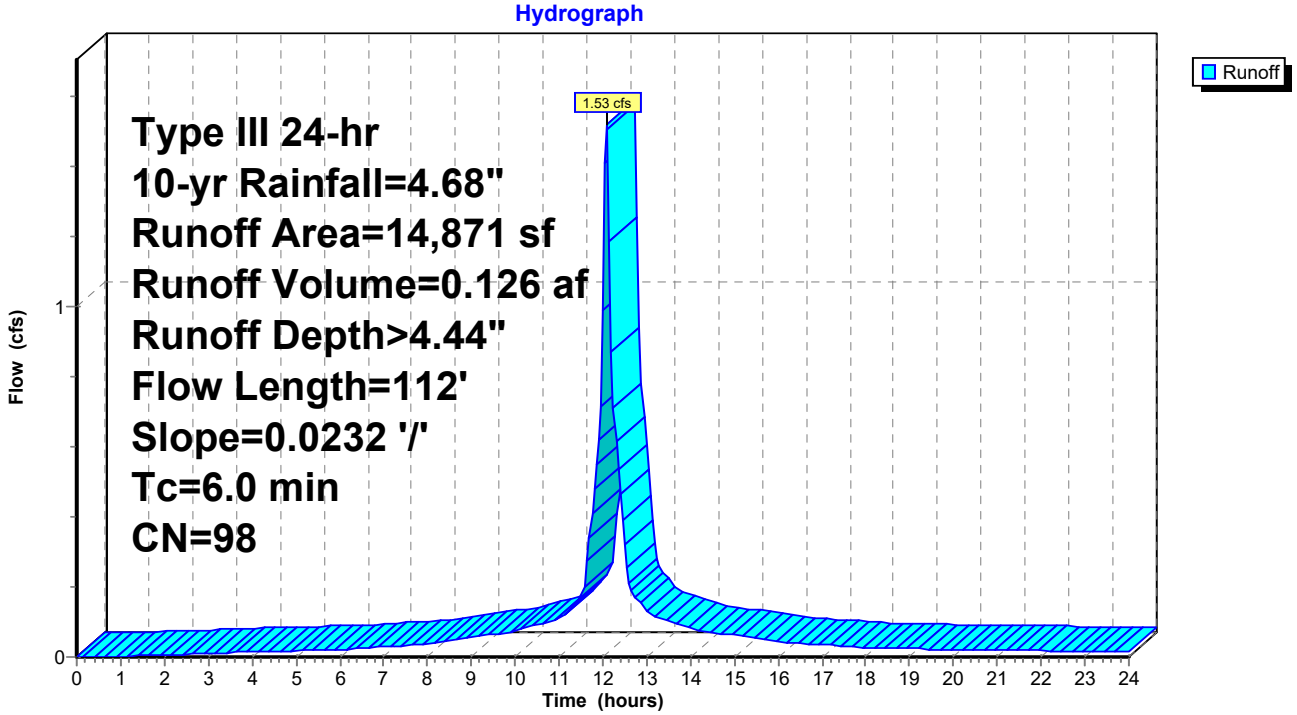
Runoff = 1.53 cfs @ 12.09 hrs, Volume= 0.126 af, Depth> 4.44"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-yr Rainfall=4.68"

| | Area (sf) | CN | Description |
|---|---|---|---|
| | 14,871 | 98 | Paved parking, HSG D |
| * | 0 | 98 | Gravel parking, HSG D |
| | 0 | 84 | 50-75% Grass cover, Fair, HSG D |
| | 14,871 | 98 | Weighted Average |
| | 14,871 | | 100.00% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 1.3 | 112 | 0.0232 | 1.48 | | **Sheet Flow, 112 ft imprevious @2.32%** Smooth surfaces n= 0.011 P2= 3.16" |
| 1.3 | 112 | Total, Increased to minimum Tc = 6.0 min | | | |

## Subcatchment PS2: Parking Lot



## Summary for Subcatchment PS3: Pavers/ Grass

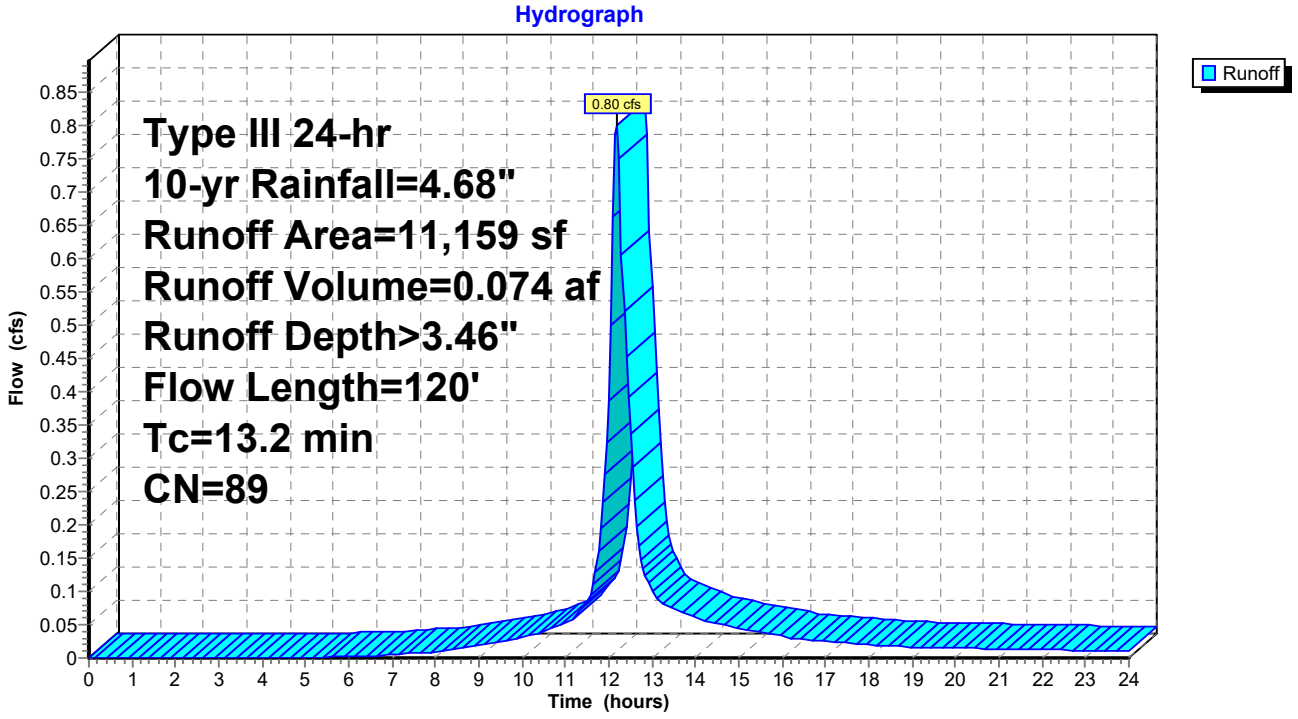
Runoff = 0.80 cfs @ 12.18 hrs, Volume= 0.074 af, Depth> 3.46"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-yr Rainfall=4.68"

| | Area (sf) | CN | Description |
|---|---|---|---|
| | 4,001 | 98 | Paved parking, HSG D |
| * | 0 | 98 | Gravel parking, HSG D |
| | 7,158 | 84 | 50-75% Grass cover, Fair, HSG D |
| | 11,159 | 89 | Weighted Average |
| | 7,158 | | 64.15% Pervious Area |
| | 4,001 | | 35.85% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 0.4 | 8 | 0.3300 | 0.31 | | **Sheet Flow, 8 ft grass @ 33%** Grass: Short n= 0.150 P2= 3.16" |
| 12.7 | 92 | 0.0090 | 0.12 | | **Sheet Flow, 92 ft grass @ 0.09%** Grass: Short n= 0.150 P2= 3.16" |
| 0.1 | 20 | 0.1400 | 2.62 | | **Shallow Concentrated Flow, 20 ft grass @ 14%** Short Grass Pasture Kv= 7.0 fps |
| 13.2 | 120 | Total | | | |

## Subcatchment PS3: Pavers/ Grass



## Summary for Subcatchment PS4: Parking Lot/ Grass

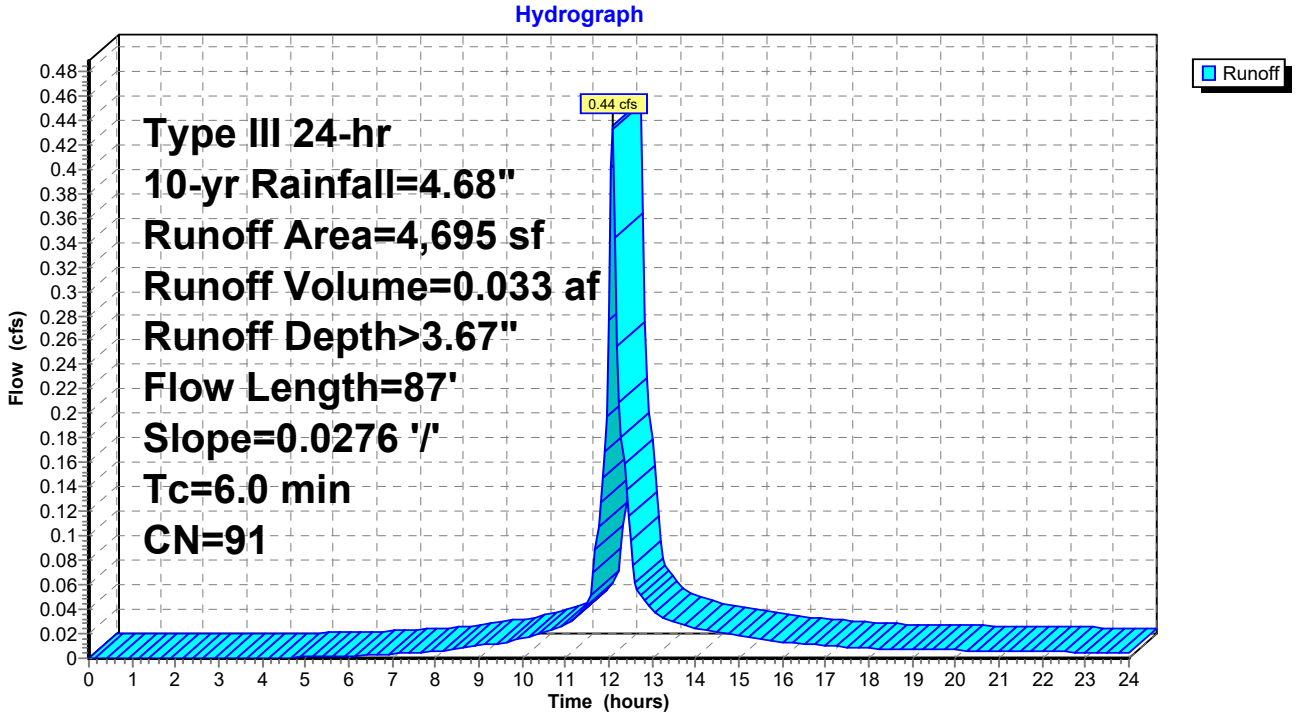
Runoff = 0.44 cfs @ 12.09 hrs, Volume= 0.033 af, Depth> 3.67"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-yr Rainfall=4.68"

| | Area (sf) | CN | Description |
|---|---|---|---|
| | 2,238 | 98 | Paved parking, HSG D |
| * | 0 | 98 | Gravel parking, HSG D |
| | 2,457 | 84 | 50-75% Grass cover, Fair, HSG D |
| | 4,695 | 91 | Weighted Average |
| | 2,457 | | 52.33% Pervious Area |
| | 2,238 | | 47.67% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 1.0 | 87 | 0.0276 | 1.51 | | **Sheet Flow, 87 ft impervious @2.76%** Smooth surfaces n= 0.011 P2= 3.16" |
| 1.0 | 87 | Total, Increased to minimum Tc = 6.0 min | | | |

## Subcatchment PS4: Parking Lot/ Grass



## Summary for Subcatchment PS5A: Existing Road

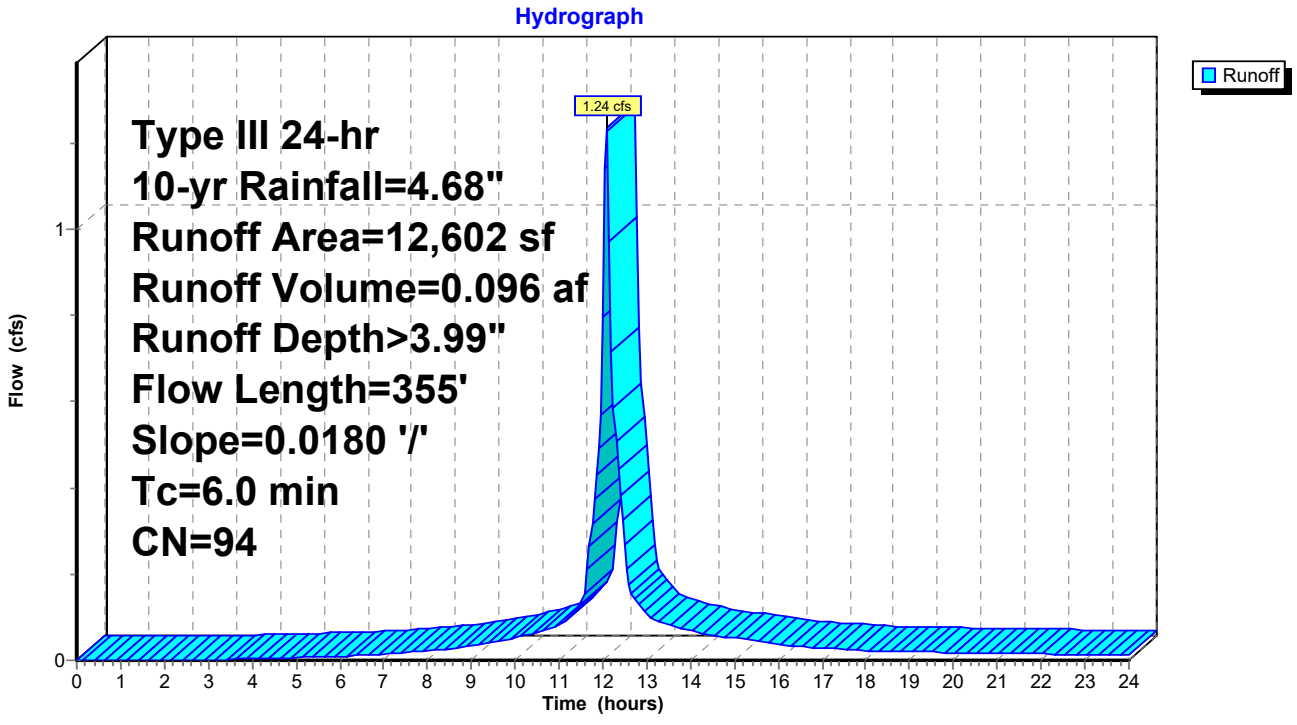
Runoff = 1.24 cfs @ 12.09 hrs, Volume= 0.096 af, Depth> 3.99"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-yr Rainfall=4.68"

| | Area (sf) | CN | Description |
|---|---|---|---|
| | 9,246 | 98 | Paved parking, HSG D |
| * | 0 | 98 | Gravel parking, HSG D |
| | 3,356 | 84 | 50-75% Grass cover, Fair, HSG D |
| | 12,602 | 94 | Weighted Average |
| | 3,356 | | 26.63% Pervious Area |
| | 9,246 | | 73.37% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 1.3 | 100 | 0.0180 | 1.31 | | **Sheet Flow, 100 ft impervious @1.8%** Smooth surfaces n= 0.011 P2= 3.16" |
| 1.6 | 255 | 0.0180 | 2.72 | | **Shallow Concentrated Flow, 255 ft impervious @ 1.8%** Paved Kv= 20.3 fps |
| 2.9 | 355 | Total, Increased to minimum Tc = 6.0 min | | | |

## Subcatchment PS5A: Existing Road



## Summary for Subcatchment PS5B: Existing Road

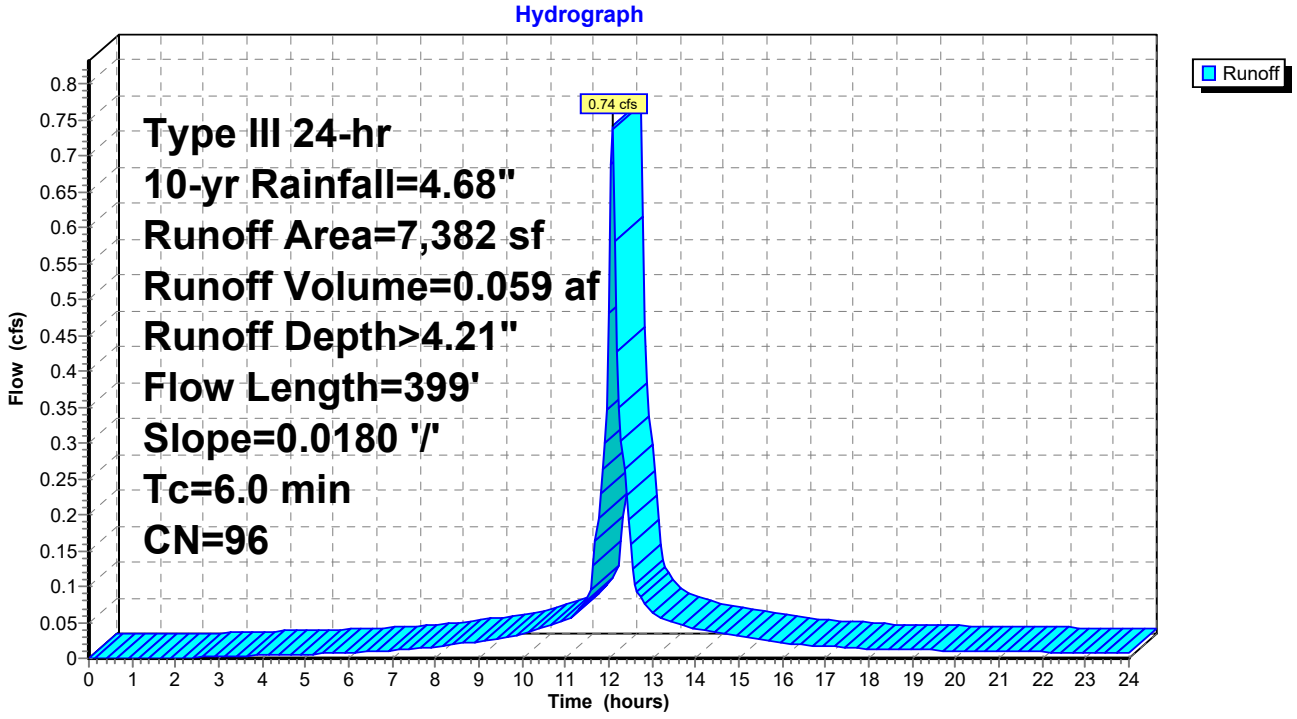
Runoff = 0.74 cfs @ 12.09 hrs, Volume= 0.059 af, Depth> 4.21"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-yr Rainfall=4.68"

| | Area (sf) | CN | Description |
|---|---|---|---|
| | 6,142 | 98 | Paved parking, HSG D |
| * | 0 | 98 | Gravel parking, HSG D |
| | 1,240 | 84 | 50-75% Grass cover, Fair, HSG D |
| | 7,382 | 96 | Weighted Average |
| | 1,240 | | 16.80% Pervious Area |
| | 6,142 | | 83.20% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 1.3 | 100 | 0.0180 | 1.31 | | **Sheet Flow, 100 ft impervious @1.8%** Smooth surfaces n= 0.011 P2= 3.16" |
| 1.8 | 299 | 0.0180 | 2.72 | | **Shallow Concentrated Flow, 299 ft impervious @ 1.8%** Paved Kv= 20.3 fps |
| 3.1 | 399 | Total, Increased to minimum Tc = 6.0 min | | | |

## Subcatchment PS5B: Existing Road



## Summary for Subcatchment PS6: Walkway/Grass - South of Parker Ave

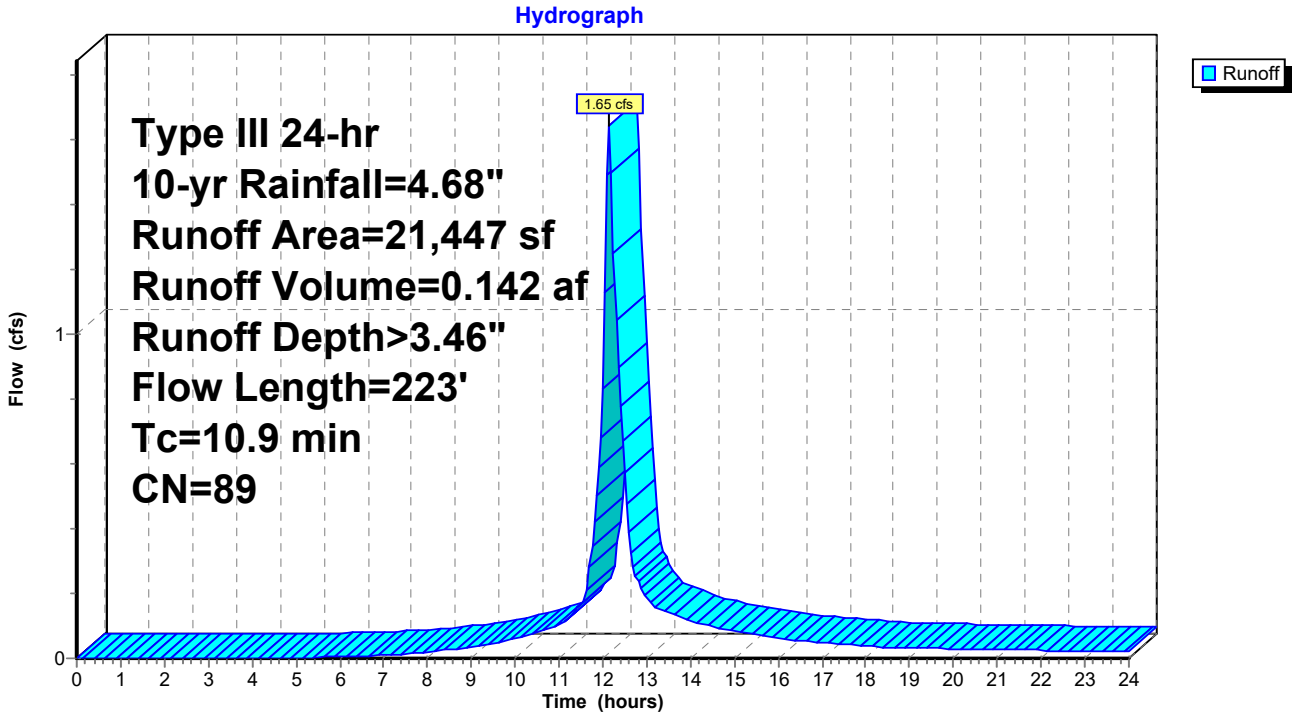
Runoff = 1.65 cfs @ 12.15 hrs, Volume= 0.142 af, Depth> 3.46"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-yr Rainfall=4.68"

| Area (sf) | CN | Description |
|---|---|---|
| 8,292 | 98 | Paved parking, HSG D |
| 0 | 77 | Brush, Fair, HSG D |
| 13,155 | 84 | 50-75% Grass cover, Fair, HSG D |
| 21,447 | 89 | Weighted Average |
| 13,155 | | 61.34% Pervious Area |
| 8,292 | | 38.66% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 0.1 | 4 | 0.0150 | 0.64 | | **Sheet Flow, 4 ft impervious @1.5%**<br>Smooth surfaces n= 0.011 P2= 3.16" |
| 0.8 | 4 | 0.0150 | 0.08 | | **Sheet Flow, 5 ft grass @1.5%**<br>Grass: Short n= 0.150 P2= 3.16" |
| 0.1 | 5 | 0.0150 | 0.67 | | **Sheet Flow, 5 ft concrete @1.5%**<br>Smooth surfaces n= 0.011 P2= 3.16" |
| 0.7 | 14 | 0.3200 | 0.35 | | **Sheet Flow, 13.5 ft grass @3 2%**<br>Grass: Short n= 0.150 P2= 3.16" |
| 7.9 | 38 | 0.0050 | 0.08 | | **Sheet Flow, 38 ft grass @ 0.5%**<br>Grass: Short n= 0.150 P2= 3.16" |
| 0.1 | 10 | 0.0200 | 2.87 | | **Shallow Concentrated Flow, 10 ft concrete @ 2%**<br>Paved Kv= 20.3 fps |
| 0.1 | 13 | 0.3300 | 4.02 | | **Shallow Concentrated Flow, 12.5 ft grass @ 33%**<br>Short Grass Pasture Kv= 7.0 fps |
| 0.2 | 17 | 0.0070 | 1.70 | | **Shallow Concentrated Flow, 16.5 ft concrete @ 0.7%**<br>Paved Kv= 20.3 fps |
| 0.3 | 10 | 0.0070 | 0.59 | | **Shallow Concentrated Flow, 10 ft grass @ 0.7%**<br>Short Grass Pasture Kv= 7.0 fps |
| 0.6 | 108 | 0.0050 | 3.21 | 2.52 | **Pipe Channel, cb7-cb8**<br>12.0" Round Area= 0.8 sf Perim= 3.1' r= 0.25'<br>n= 0.013 Corrugated PE, smooth interior |
| 10.9 | 223 | Total | | | |

## Subcatchment PS6: Walkway/Grass - South of Parker Ave



## Summary for Subcatchment PS7: Rear of Site

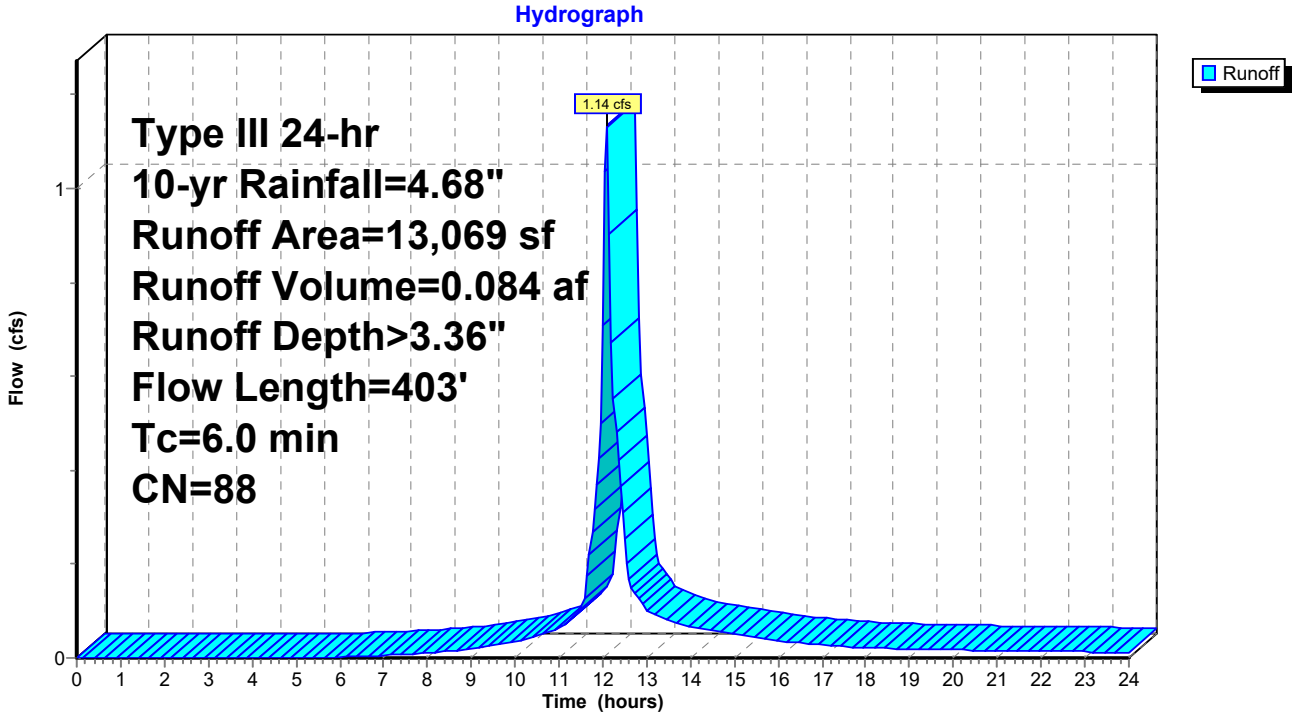
Runoff = 1.14 cfs @ 12.09 hrs, Volume= 0.084 af, Depth> 3.36"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-yr Rainfall=4.68"

| Area (sf) | CN | Description |
|---|---|---|
| 3,514 | 98 | Paved parking, HSG D |
| 0 | 77 | Brush, Fair, HSG D |
| 9,555 | 84 | 50-75% Grass cover, Fair, HSG D |
| 13,069 | 88 | Weighted Average |
| 9,555 | | 73.11% Pervious Area |
| 3,514 | | 26.89% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 3.6 | 64 | 0.1050 | 0.30 | | **Sheet Flow, 64 ft grass @ 10.5%** Grass: Short n= 0.150 P2= 3.16" |
| 0.5 | 36 | 0.0310 | 1.33 | | **Sheet Flow, 36 ft HMA @ 3.1%** Smooth surfaces n= 0.011 P2= 3.16" |
| 1.9 | 303 | 0.0170 | 2.65 | | **Shallow Concentrated Flow, 303 ft HMA @ 1.7%** Paved Kv= 20.3 fps |
| 6.0 | 403 | Total | | | |

## Subcatchment PS7: Rear of Site



## Summary for Subcatchment PS8: Parking Lot - South of Parker Ave

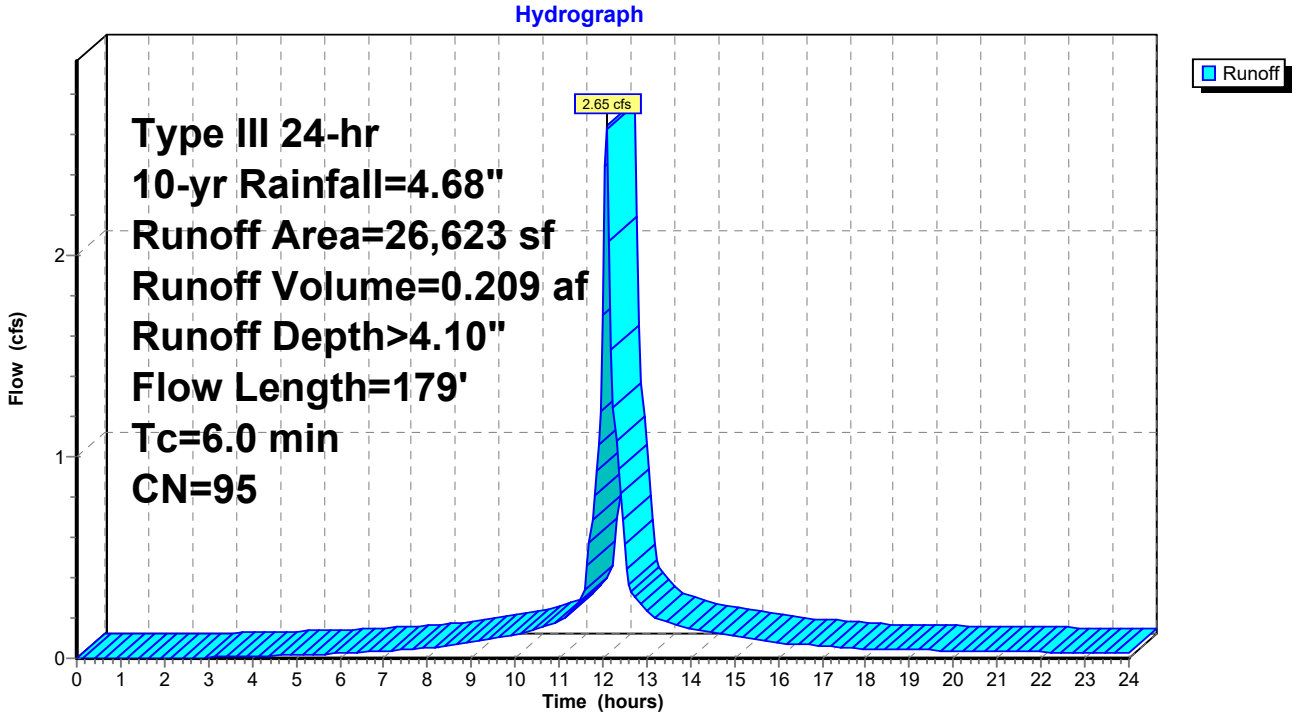
Runoff = 2.65 cfs @ 12.09 hrs, Volume= 0.209 af, Depth> 4.10"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-yr Rainfall=4.68"

| Area (sf) | CN | Description |
|---|---|---|
| 20,106 | 98 | Paved parking, HSG D |
| 0 | 77 | Brush, Fair, HSG D |
| 6,517 | 84 | 50-75% Grass cover, Fair, HSG D |
| 26,623 | 95 | Weighted Average |
| 6,517 | | 24.48% Pervious Area |
| 20,106 | | 75.52% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 1.1 | 100 | 0.0290 | 1.59 | | **Sheet Flow, 100 ft HMA @ 2.9%** Smooth surfaces n= 0.011 P2= 3.16" |
| 0.5 | 79 | 0.0200 | 2.87 | | **Shallow Concentrated Flow, 79 ft HMA @ 2%** Paved Kv= 20.3 fps |
| 1.6 | 179 | Total, Increased to minimum Tc = 6.0 min | | | |

## Subcatchment PS8: Parking Lot - South of Parker Ave



## Summary for Subcatchment PS9: Building

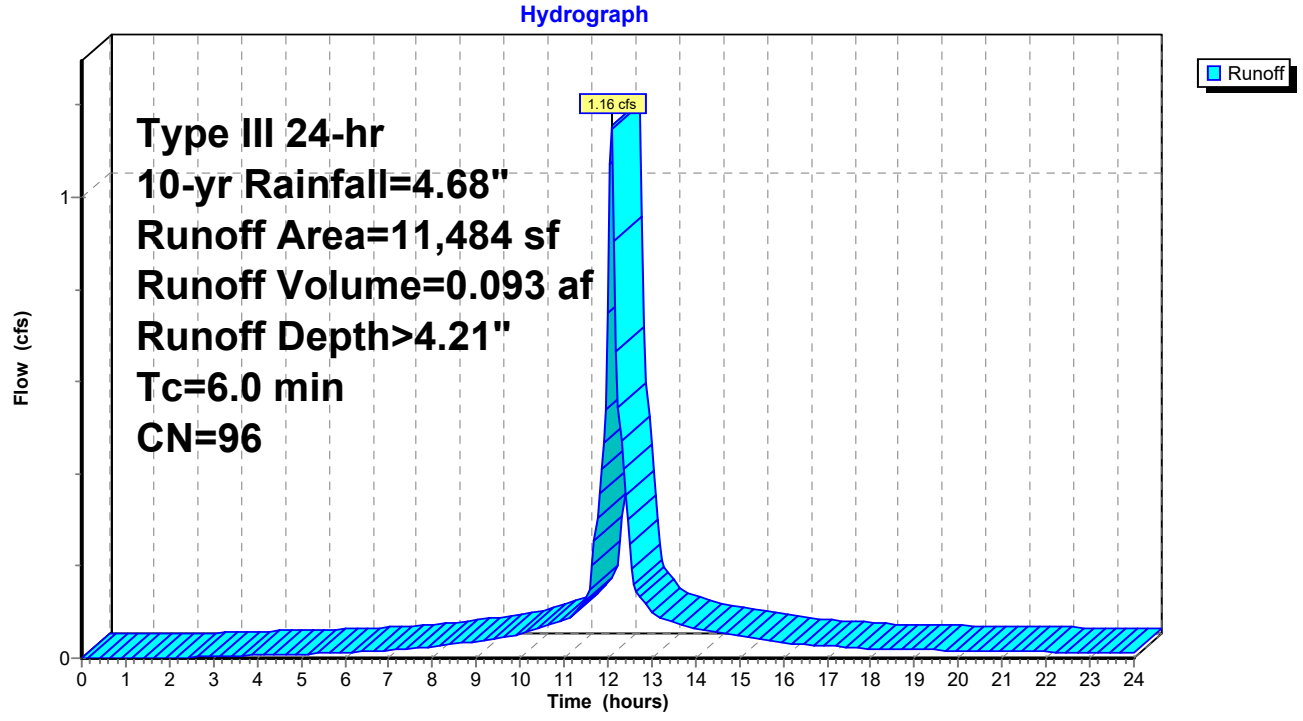
Runoff = 1.16 cfs @ 12.09 hrs, Volume= 0.093 af, Depth> 4.21"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-yr Rainfall=4.68"

| Area (sf) | CN | Description |
|---|---|---|
| 9,574 | 98 | Paved parking, HSG D |
| 0 | 77 | Brush, Fair, HSG D |
| 1,910 | 84 | 50-75% Grass cover, Fair, HSG D |
| 11,484 | 96 | Weighted Average |
| 1,910 | | 16.63% Pervious Area |
| 9,574 | | 83.37% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 6.0 | | | | | **Direct Entry, min** |

### Subcatchment PS9: Building



## Summary for Subcatchment PS9A: Half Building A

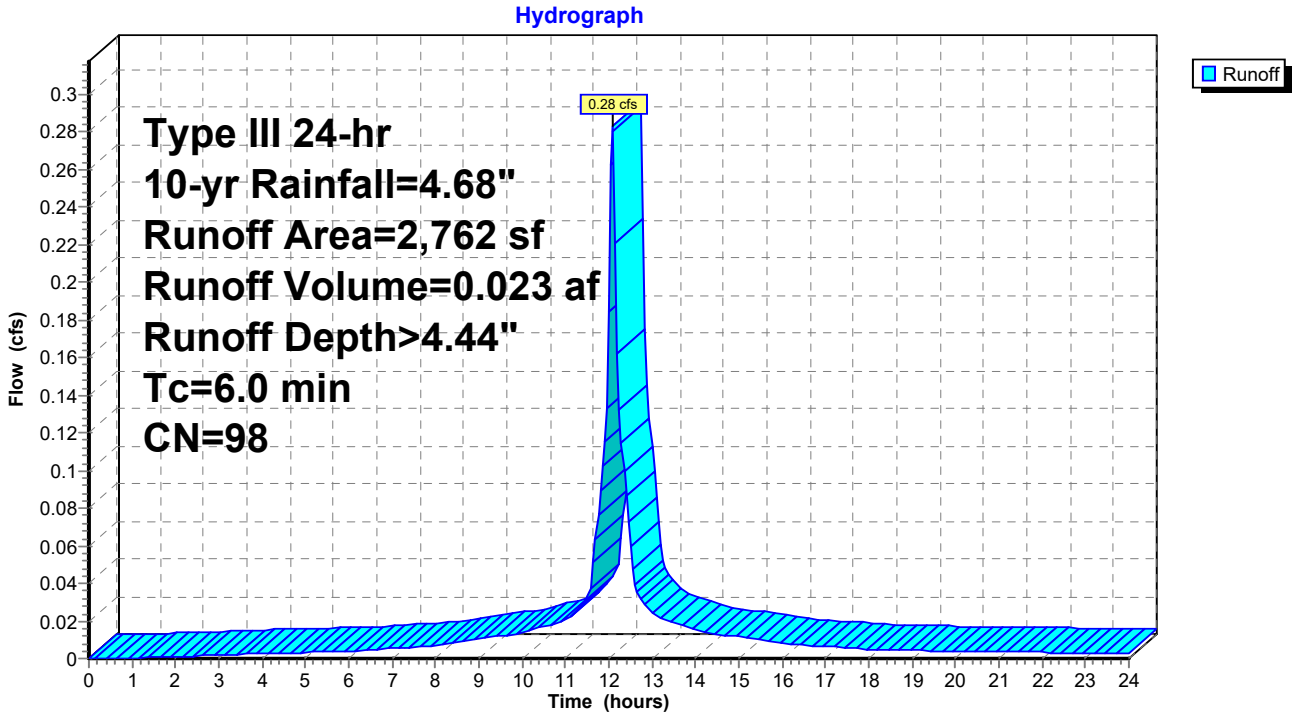
Runoff = 0.28 cfs @ 12.09 hrs, Volume= 0.023 af, Depth> 4.44"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-yr Rainfall=4.68"

| Area (sf) | CN | Description |
|---|---|---|
| 2,762 | 98 | Paved parking, HSG D |
| 0 | 77 | Brush, Fair, HSG D |
| 0 | 84 | 50-75% Grass cover, Fair, HSG D |
| 2,762 | 98 | Weighted Average |
| 2,762 | | 100.00% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 6.0 | | | | | **Direct Entry, min** |

## Subcatchment PS9A: Half Building A



## Summary for Subcatchment PS9B: Half Building B

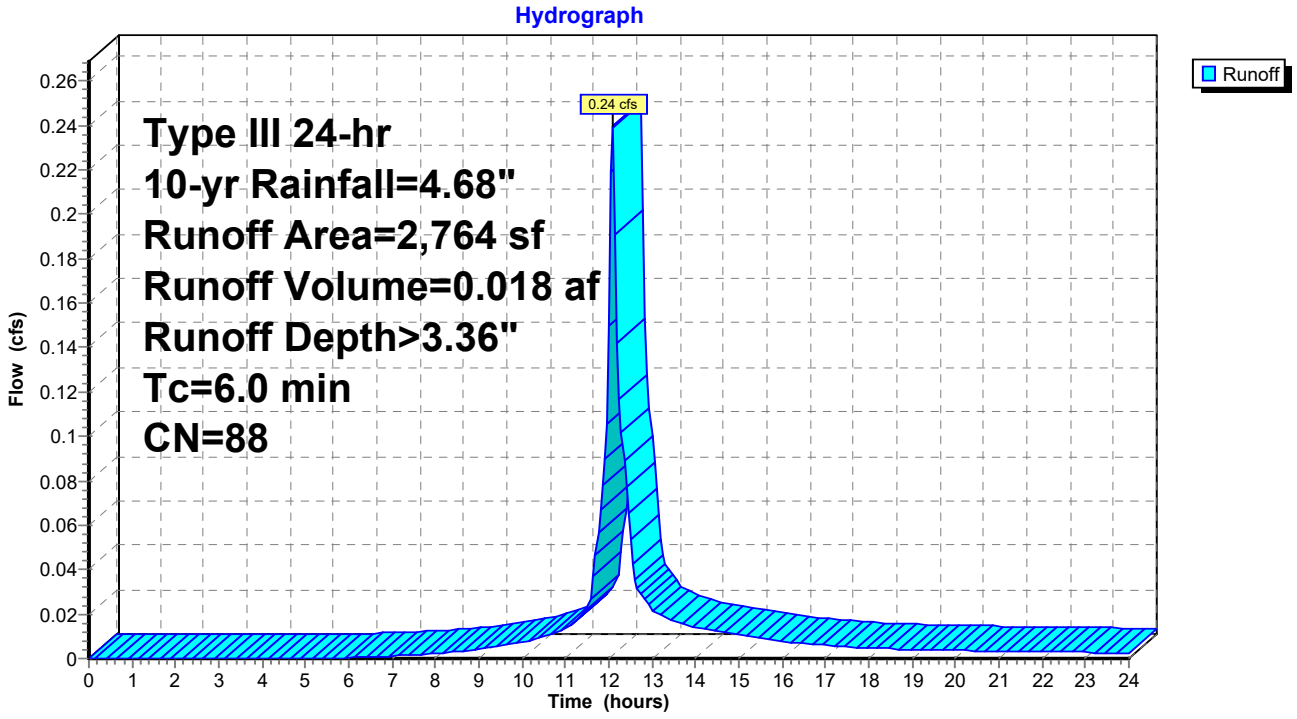
Runoff = 0.24 cfs @ 12.09 hrs, Volume= 0.018 af, Depth> 3.36"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-yr Rainfall=4.68"

| Area (sf) | CN | Description |
|---|---|---|
| 1,910 | 84 | 50-75% Grass cover, Fair, HSG D |
| 854 | 98 | Roofs, HSG A |
| 2,764 | 88 | Weighted Average |
| 1,910 | | 69.10% Pervious Area |
| 854 | | 30.90% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 6.0 | | | | | **Direct Entry, min** |

## Subcatchment PS9B: Half Building B



## Summary for Subcatchment PS9C: Building

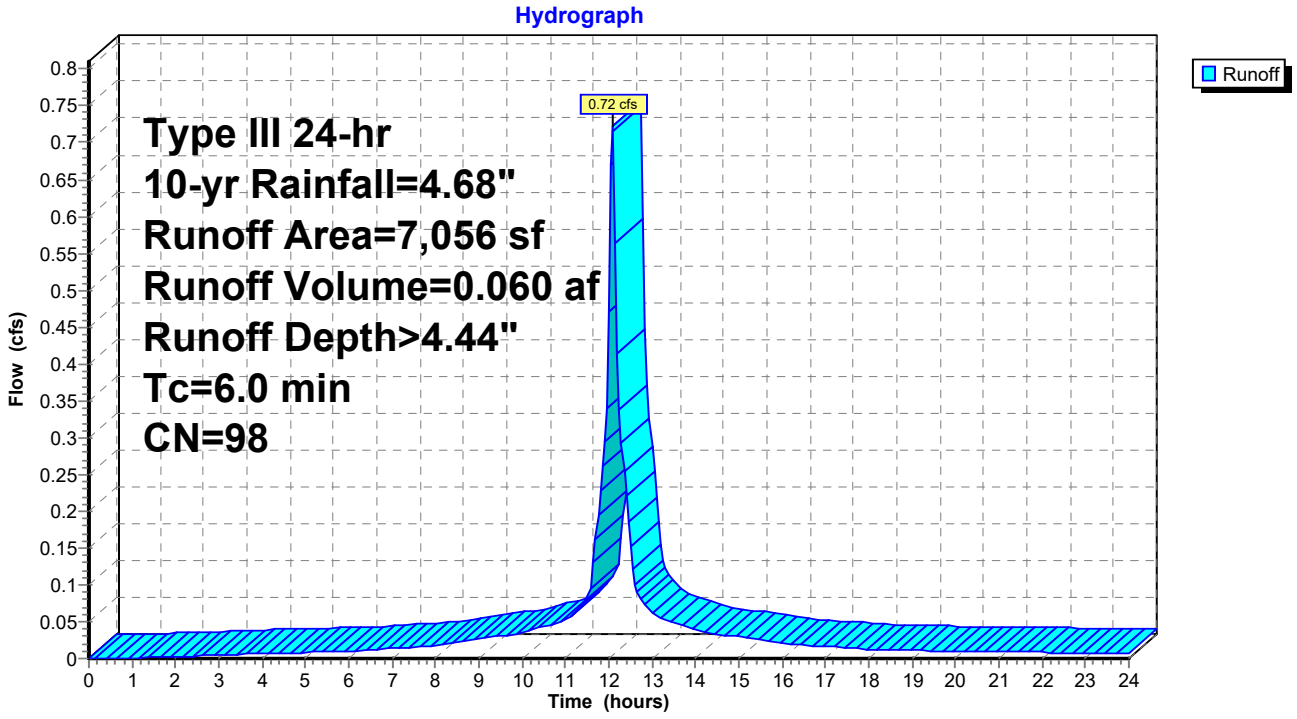
Runoff = 0.72 cfs @ 12.09 hrs, Volume= 0.060 af, Depth> 4.44"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-yr Rainfall=4.68"

| Area (sf) | CN | Description |
|---|---|---|
| 7,056 | 98 | Paved parking, HSG D |
| 0 | 77 | Brush, Fair, HSG D |
| 0 | 84 | 50-75% Grass cover, Fair, HSG D |
| 7,056 | 98 | Weighted Average |
| 7,056 | | 100.00% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 6.0 | | | | | **Direct Entry, min** |

## Subcatchment PS9C: Building

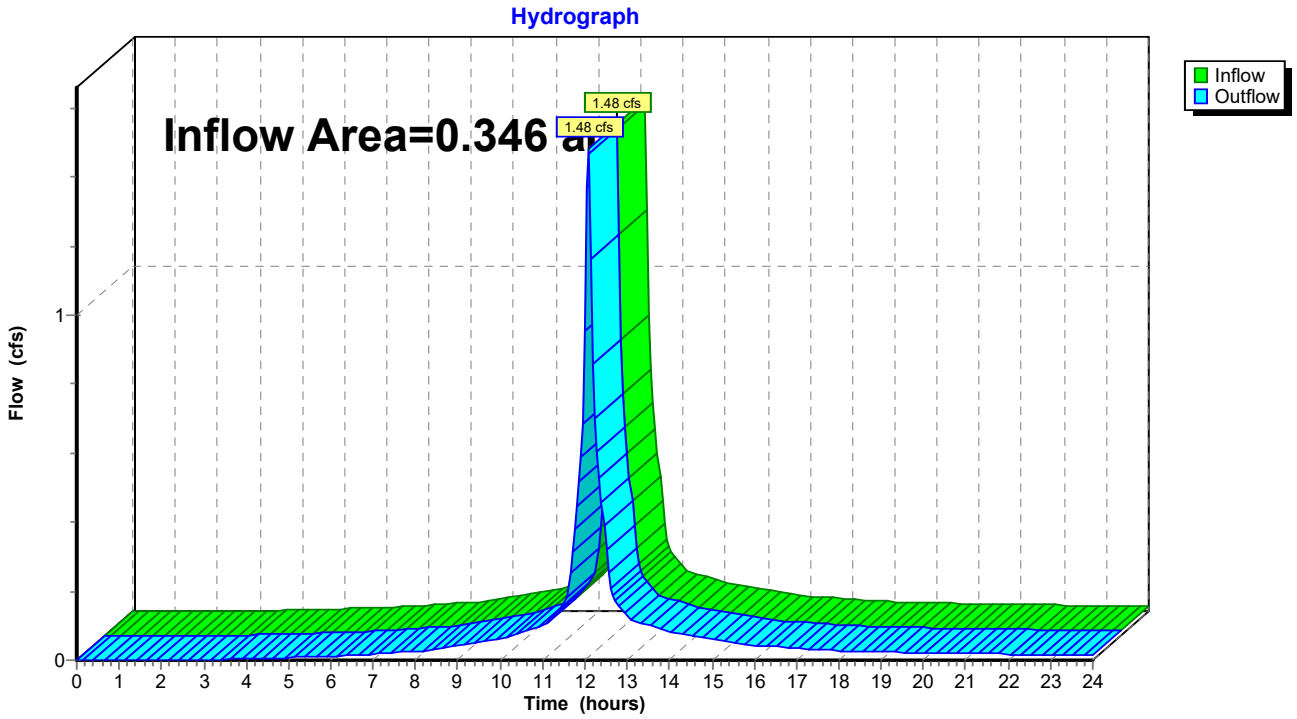


## Summary for Reach DP1:

Inflow Area = 0.346 ac, 69.24% Impervious, Inflow Depth > 3.99" for 10-yr event
Inflow = 1.48 cfs @ 12.09 hrs, Volume= 0.115 af
Outflow = 1.48 cfs @ 12.09 hrs, Volume= 0.115 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

## Reach DP1:



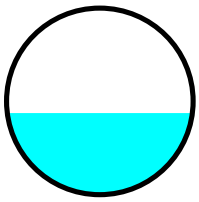
## Summary for Reach DP2: EX CB3

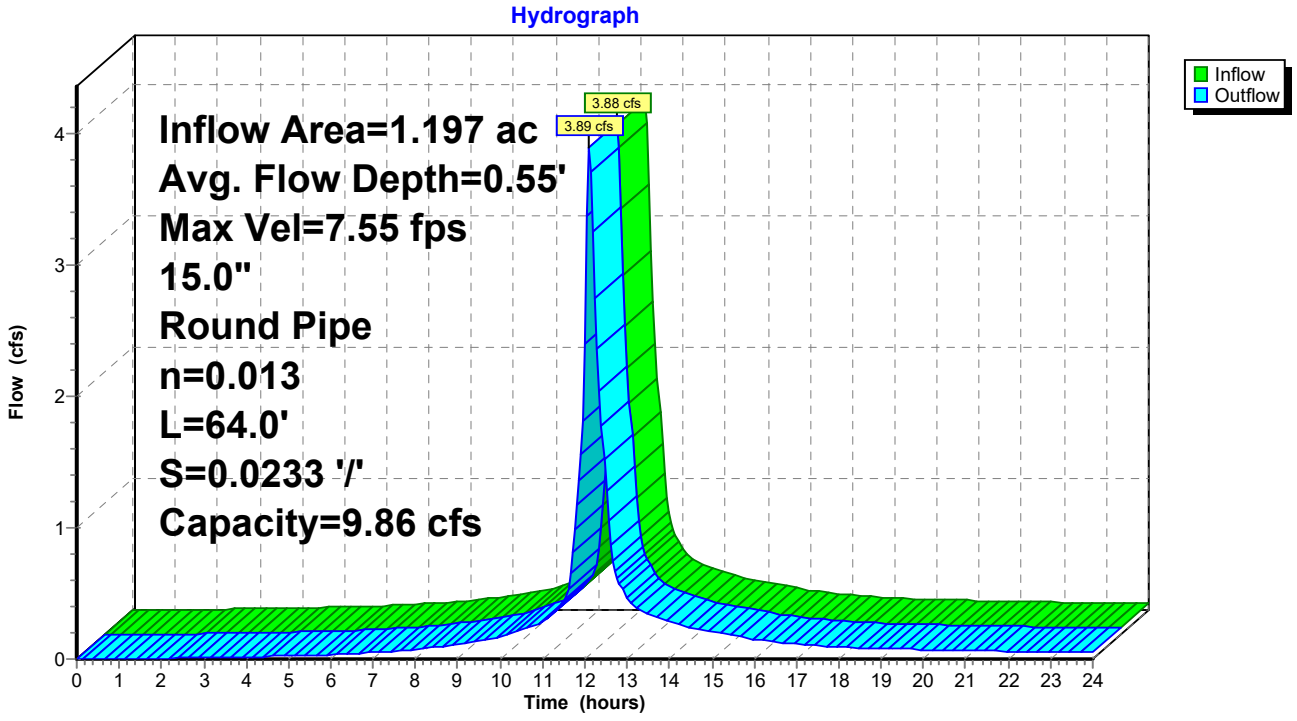
Inflow Area = 1.197 ac, 58.22% Impervious, Inflow Depth > 3.66" for 10-yr event
Inflow = 3.88 cfs @ 12.11 hrs, Volume= 0.365 af
Outflow = 3.89 cfs @ 12.11 hrs, Volume= 0.365 af, Atten= 0%, Lag= 0.1 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Max. Velocity= 7.55 fps, Min. Travel Time= 0.1 min
Avg. Velocity = 2.58 fps, Avg. Travel Time= 0.4 min

Peak Storage= 33 cf @ 12.11 hrs
Average Depth at Peak Storage= 0.55'
Bank-Full Depth= 1.25' Flow Area= 1.2 sf, Capacity= 9.86 cfs

15.0" Round Pipe
n= 0.013 Corrugated PE, smooth interior
Length= 64.0' Slope= 0.0233 '/'
Inlet Invert= 164.14', Outlet Invert= 162.65'



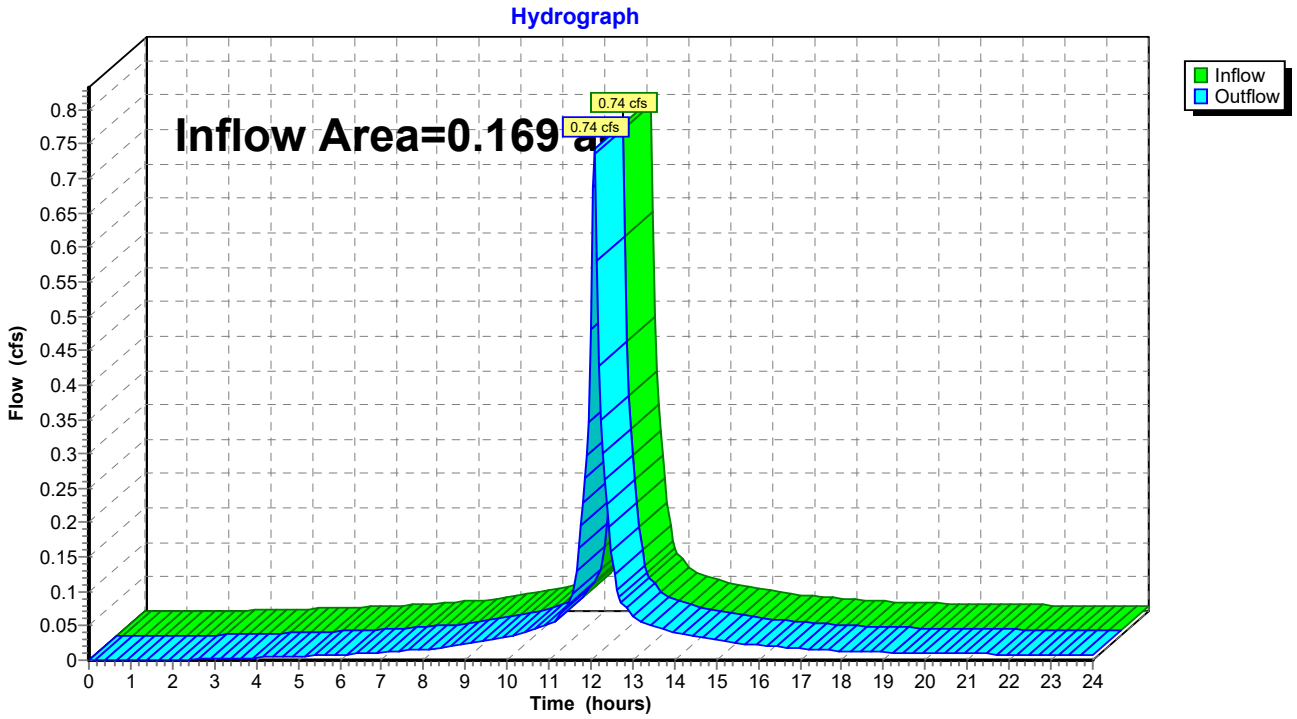


## Summary for Reach DP3:

Inflow Area = 0.169 ac, 83.20% Impervious, Inflow Depth > 4.21" for 10-yr event
Inflow = 0.74 cfs @ 12.09 hrs, Volume= 0.059 af
Outflow = 0.74 cfs @ 12.09 hrs, Volume= 0.059 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

## Reach DP3:

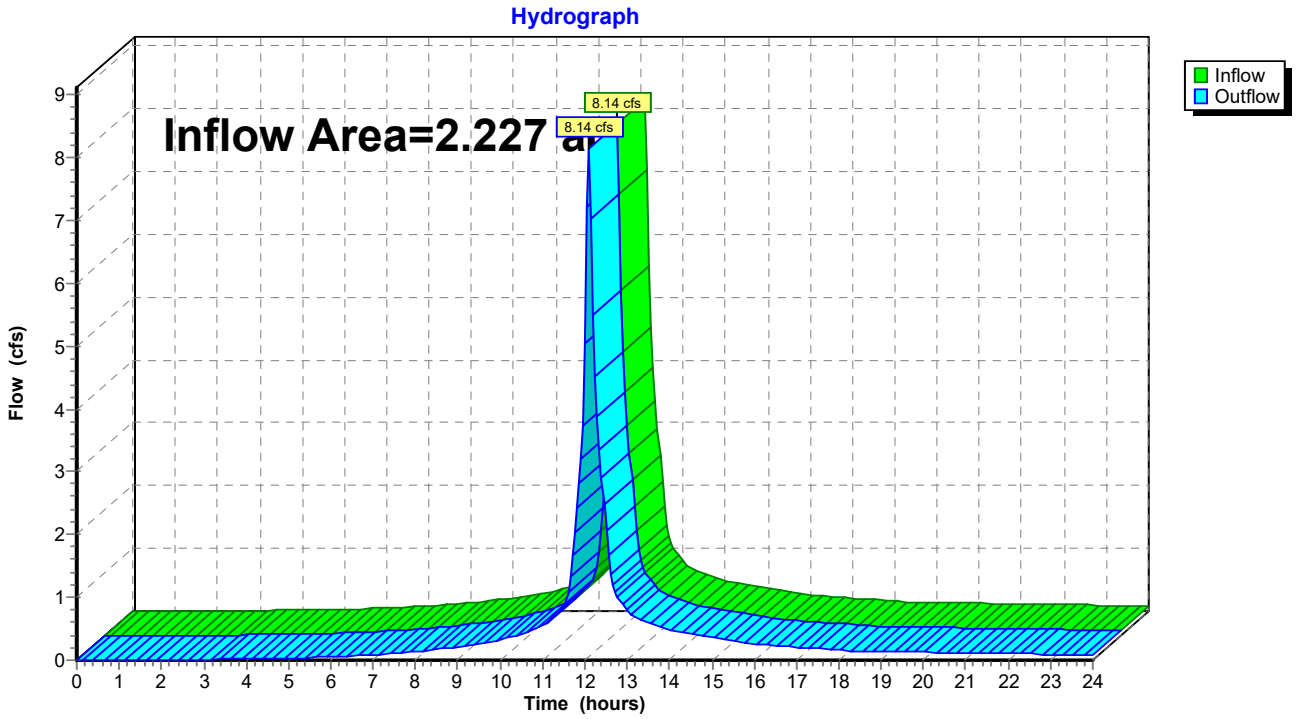


## Summary for Reach DP4:

Inflow Area = 2.227 ac, 58.06% Impervious, Inflow Depth > 3.59" for 10-yr event
Inflow = 8.14 cfs @ 12.10 hrs, Volume= 0.667 af
Outflow = 8.14 cfs @ 12.10 hrs, Volume= 0.667 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

## Reach DP4:



## Summary for Pond 1P: HYDRO 3

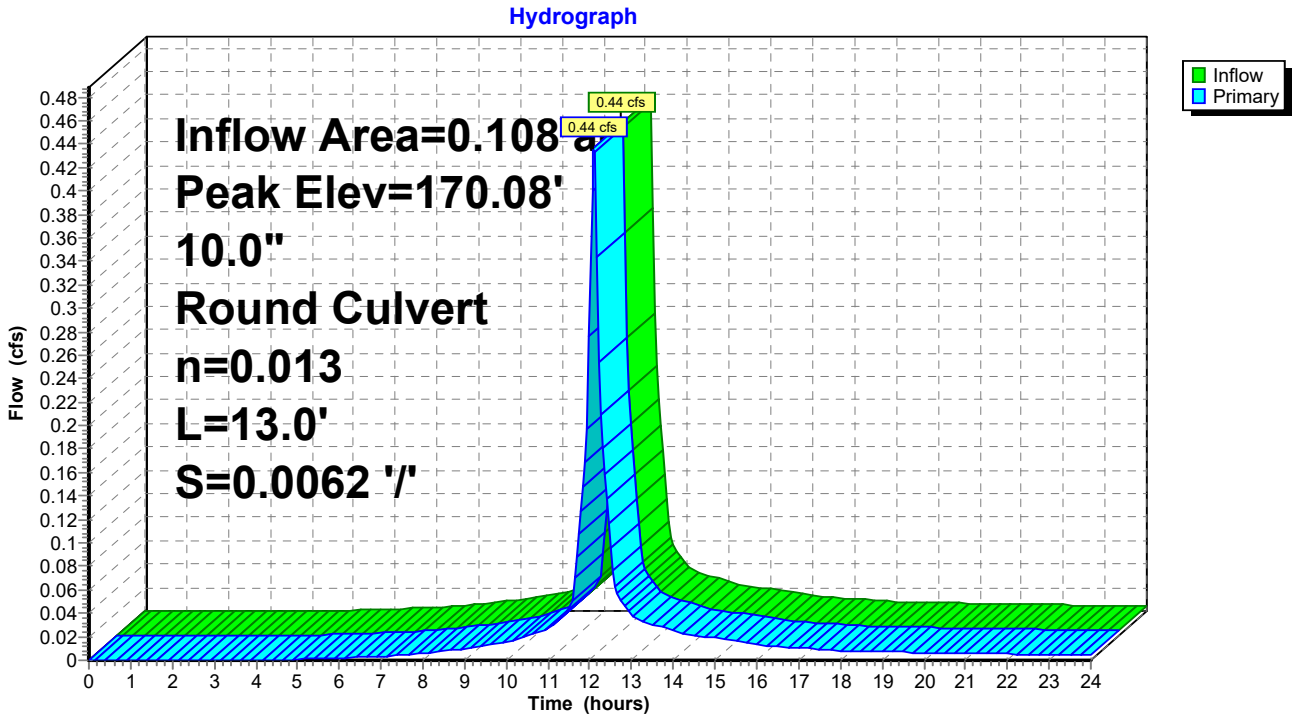
Inflow Area = 0.108 ac, 47.67% Impervious, Inflow Depth > 3.67" for 10-yr event
Inflow = 0.44 cfs @ 12.09 hrs, Volume= 0.033 af
Outflow = 0.44 cfs @ 12.09 hrs, Volume= 0.033 af, Atten= 0%, Lag= 0.0 min
Primary = 0.44 cfs @ 12.09 hrs, Volume= 0.033 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 170.08' @ 12.22 hrs
Flood Elev= 172.60'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 169.58' | **10.0" Round Culvert**<br>L= 13.0' CPP, square edge headwall, Ke= 0.500<br>Inlet / Outlet Invert= 169.58' / 169.50' S= 0.0062 '/' Cc= 0.900<br>n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.55 sf |

**Primary OutFlow** Max=0.27 cfs @ 12.09 hrs HW=170.01' TW=169.95' (Dynamic Tailwater)
**1=Culvert** (Outlet Controls 0.27 cfs @ 1.38 fps)

### Pond 1P: HYDRO 3



## Summary for Pond 2P: Bioretention

Inflow Area = 0.108 ac, 47.67% Impervious, Inflow Depth > 3.67" for 10-yr event
Inflow = 0.44 cfs @ 12.09 hrs, Volume= 0.033 af
Outflow = 0.30 cfs @ 12.20 hrs, Volume= 0.019 af, Atten= 32%, Lag= 7.0 min
Primary = 0.30 cfs @ 12.20 hrs, Volume= 0.019 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 170.05' @ 12.20 hrs Surf.Area= 773 sf Storage= 648 cf
Flood Elev= 171.00' Surf.Area= 1,101 sf Storage= 1,538 cf

Plug-Flow detention time= 198.6 min calculated for 0.019 af (57% of inflow)
Center-of-Mass det. time= 93.7 min ( 882.3 - 788.6 )

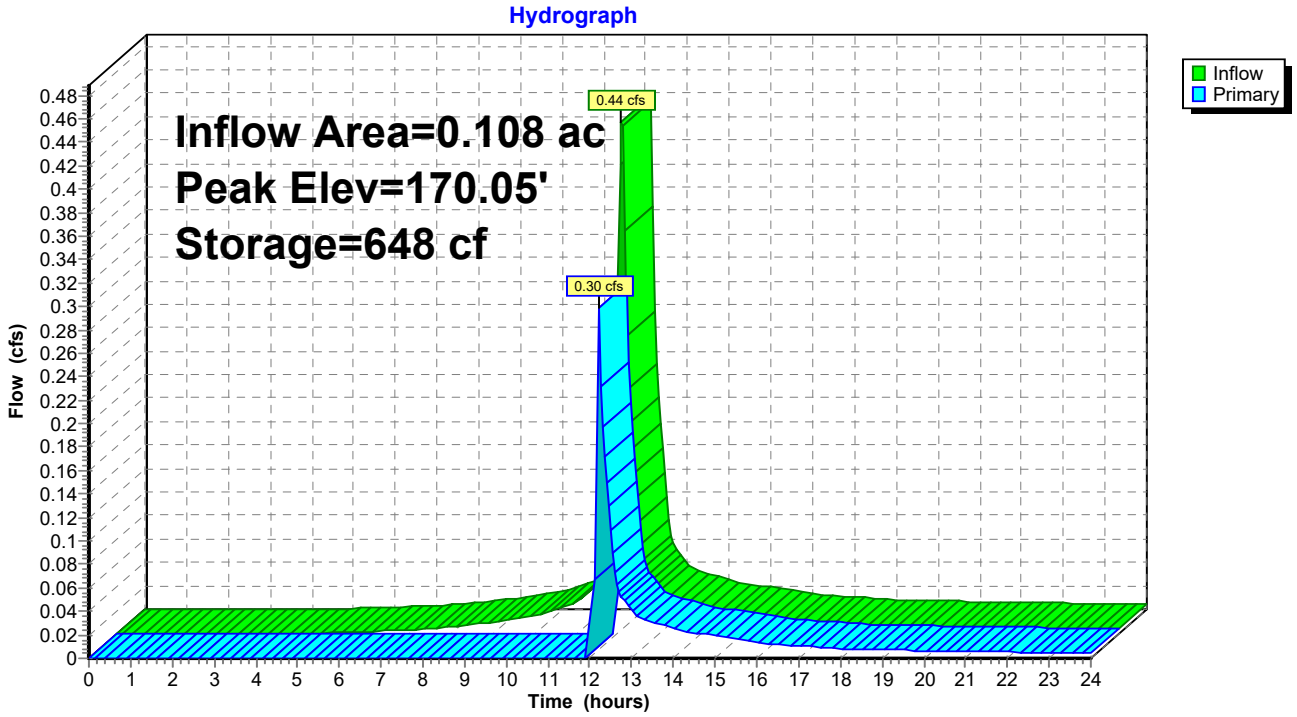
| Volume | Invert | Avail.Storage | Storage Description |
|---|---|---|---|
| #1 | 169.00' | 1,538 cf | **Custom Stage Data (Prismatic)** Listed below (Recalc) |

| Elevation (feet) | Surf.Area (sq-ft) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
|---|---|---|---|
| 169.00 | 464 | 0 | 0 |
| 170.00 | 755 | 610 | 610 |
| 171.00 | 1,101 | 928 | 1,538 |

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 164.95' | **12.0" Round Culvert**<br>L= 47.8' CPP, square edge headwall, Ke= 0.500<br>Inlet / Outlet Invert= 164.95' / 164.71' S= 0.0050 '/' Cc= 0.900<br>n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |
| #2 | Device 1 | 170.00' | **24.0" x 24.0" Horiz. Orifice/Grate** C= 0.600<br>Limited to weir flow at low heads |

**Primary OutFlow** Max=0.29 cfs @ 12.20 hrs HW=170.05' TW=164.63' (Dynamic Tailwater)
↑**1=Culvert** (Passes 0.29 cfs of 7.58 cfs potential flow)
↑**2=Orifice/Grate** (Weir Controls 0.29 cfs @ 0.73 fps)

## Pond 2P: Bioretention



## Summary for Pond 3P: Infiltrator 1

Inflow Area = 0.063 ac,100.00% Impervious, Inflow Depth > 4.44" for 10-yr event
Inflow = 0.28 cfs @ 12.09 hrs, Volume= 0.023 af
Outflow = 0.01 cfs @ 8.75 hrs, Volume= 0.010 af, Atten= 98%, Lag= 0.0 min
Discarded = 0.01 cfs @ 8.75 hrs, Volume= 0.010 af
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 161.00' @ 17.37 hrs Surf.Area= 506 sf Storage= 658 cf
Flood Elev= 161.50' Surf.Area= 506 sf Storage= 816 cf

Plug-Flow detention time= (not calculated: outflow precedes inflow)
Center-of-Mass det. time= 96.9 min ( 845.6 - 748.7 )

| Volume | Invert | Avail.Storage | Storage Description |
|---|---|---|---|
| #1A | 159.00' | 487 cf | **15.75'W x 32.10'L x 3.50'H Field A**<br>1,769 cf Overall - 551 cf Embedded = 1,218 cf x 40.0% Voids |
| #2A | 159.50' | 551 cf | **ADS_StormTech SC-740 +Cap** x 12 Inside #1<br>Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf<br>Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap<br>3 Rows of 4 Chambers |
| | | 1,038 cf | Total Available Storage |

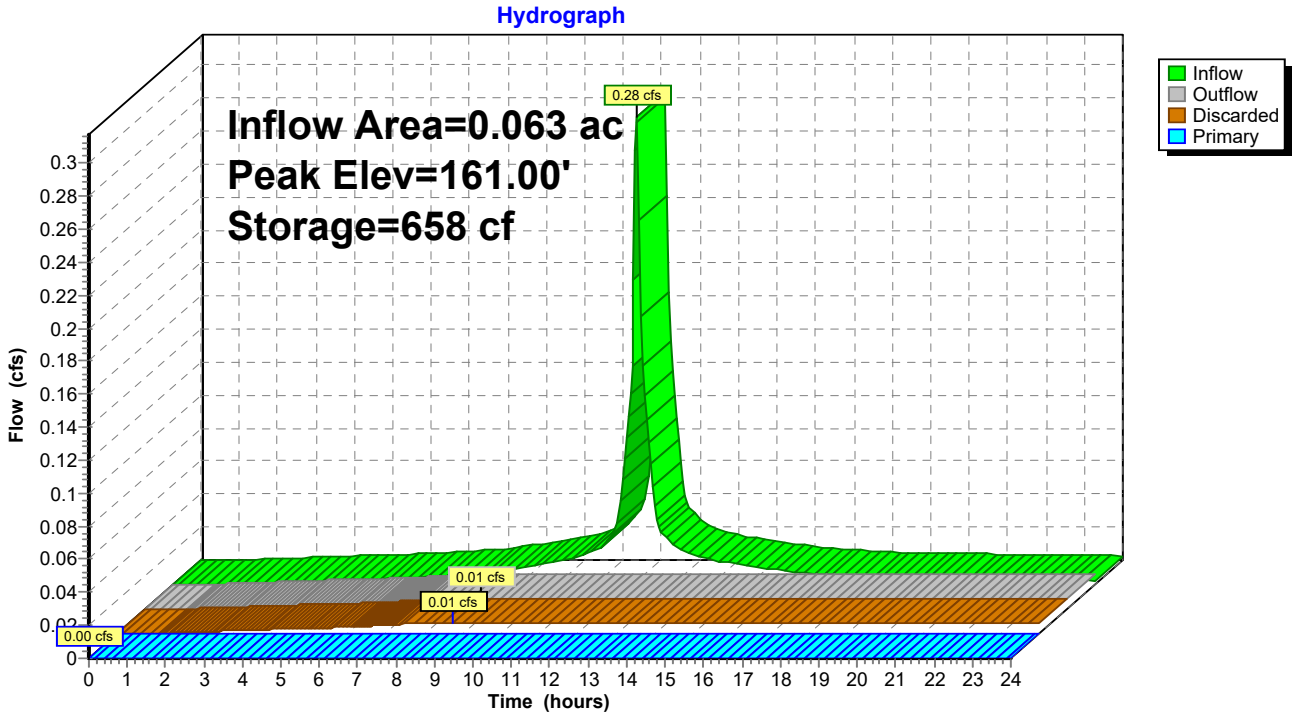
Storage Group A created with Chamber Wizard

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Discarded | 159.00' | **0.500 in/hr Exfiltration over Surface area** |
| #2 | Primary | 161.00' | **6.0" Round Culvert**<br>L= 58.0' CPP, square edge headwall, Ke= 0.500<br>Inlet / Outlet Invert= 161.00' / 156.45' S= 0.0784 '/' Cc= 0.900<br>n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf |

**Discarded OutFlow** Max=0.01 cfs @ 8.75 hrs HW=159.04' (Free Discharge)
↑**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

**Primary OutFlow** Max=0.00 cfs @ 0.00 hrs HW=159.00' TW=155.15' (Dynamic Tailwater)
↑**2=Culvert** ( Controls 0.00 cfs)

## Pond 3P: Infiltrator 1



## Summary for Pond 6P: CB1-CB3

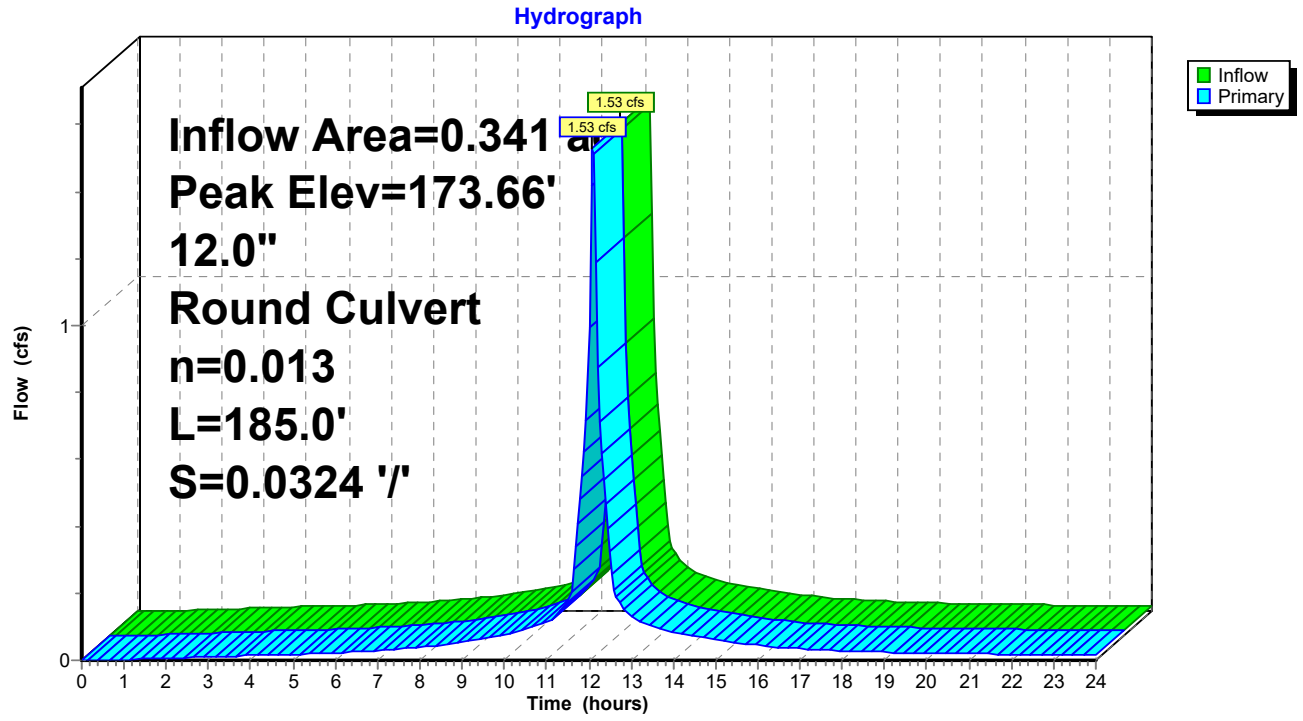
Inflow Area = 0.341 ac,100.00% Impervious, Inflow Depth > 4.44" for 10-yr event
Inflow = 1.53 cfs @ 12.09 hrs, Volume= 0.126 af
Outflow = 1.53 cfs @ 12.09 hrs, Volume= 0.126 af, Atten= 0%, Lag= 0.0 min
Primary = 1.53 cfs @ 12.09 hrs, Volume= 0.126 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 173.66' @ 12.09 hrs
Flood Elev= 176.90'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 173.00' | **12.0" Round Culvert**<br>L= 185.0' CPP, square edge headwall, Ke= 0.500<br>Inlet / Outlet Invert= 173.00' / 167.00' S= 0.0324 '/' Cc= 0.900<br>n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

**Primary OutFlow** Max=1.48 cfs @ 12.09 hrs HW=173.65' TW=167.81' (Dynamic Tailwater)
**1=Culvert** (Inlet Controls 1.48 cfs @ 2.75 fps)

### Pond 6P: CB1-CB3



## Summary for Pond 7P: YD1-YD2

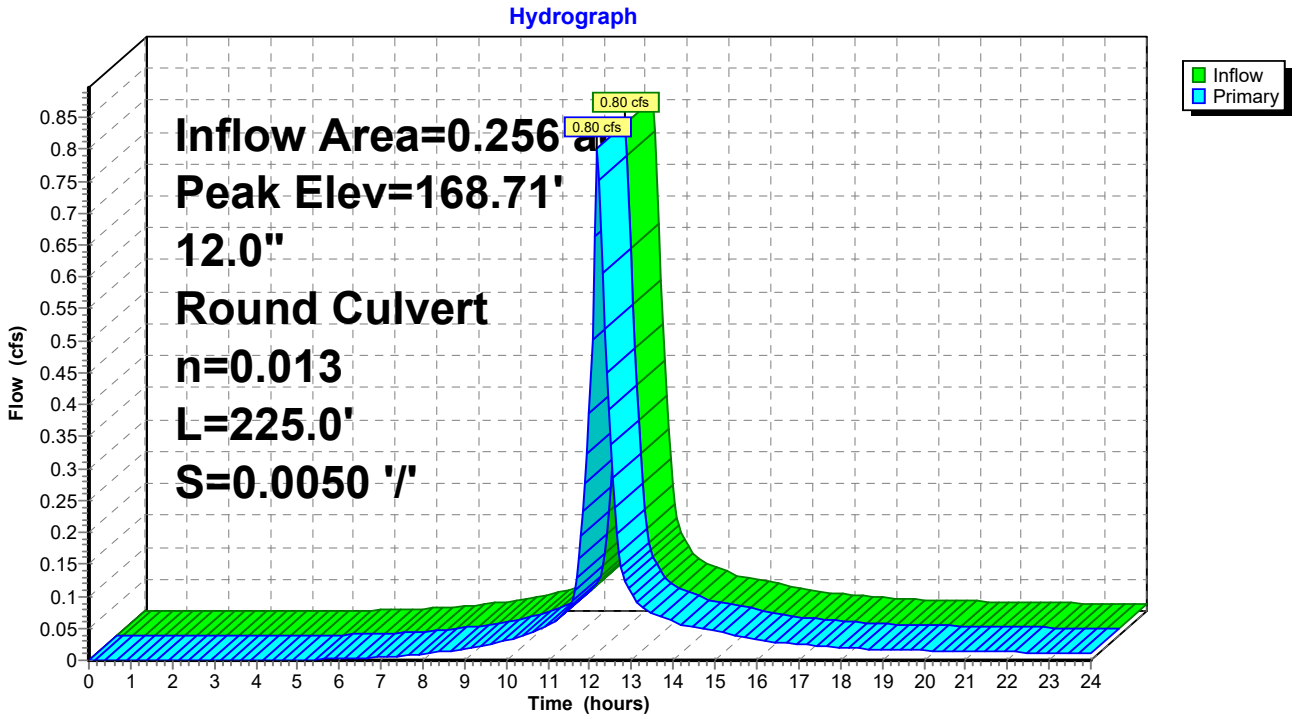
Inflow Area = 0.256 ac, 35.85% Impervious, Inflow Depth > 3.46" for 10-yr event
Inflow = 0.80 cfs @ 12.18 hrs, Volume= 0.074 af
Outflow = 0.80 cfs @ 12.18 hrs, Volume= 0.074 af, Atten= 0%, Lag= 0.0 min
Primary = 0.80 cfs @ 12.18 hrs, Volume= 0.074 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 168.71' @ 12.17 hrs
Flood Elev= 171.75'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 168.13' | **12.0" Round Culvert**<br>L= 225.0' CPP, square edge headwall, Ke= 0.500<br>Inlet / Outlet Invert= 168.13' / 167.00' S= 0.0050 '/' Cc= 0.900<br>n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

**Primary OutFlow** Max=0.82 cfs @ 12.18 hrs HW=168.70' TW=167.73' (Dynamic Tailwater)
**1=Culvert** (Outlet Controls 0.82 cfs @ 2.55 fps)

### Pond 7P: YD1-YD2



## Summary for Pond 8P: HYDRO 1

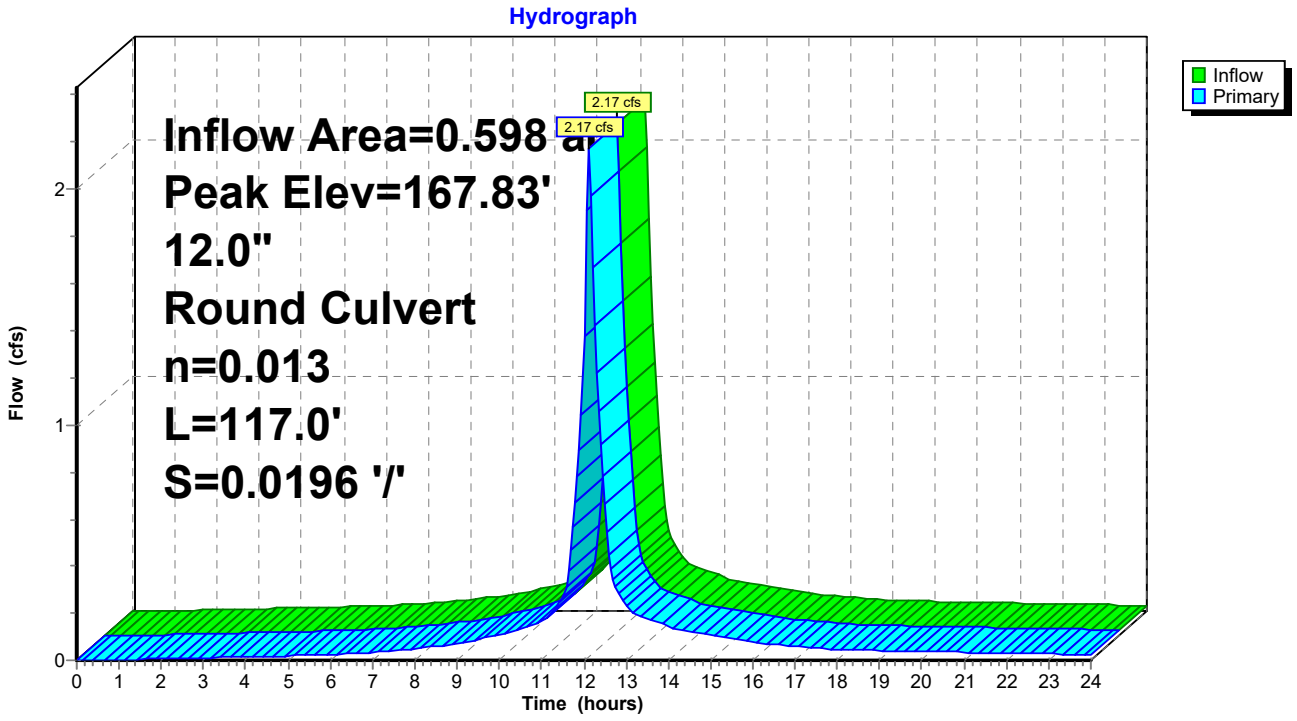
Inflow Area = 0.598 ac, 72.50% Impervious, Inflow Depth > 4.02" for 10-yr event
Inflow = 2.17 cfs @ 12.10 hrs, Volume= 0.200 af
Outflow = 2.17 cfs @ 12.10 hrs, Volume= 0.200 af, Atten= 0%, Lag= 0.0 min
Primary = 2.17 cfs @ 12.10 hrs, Volume= 0.200 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 167.83' @ 12.10 hrs
Flood Elev= 173.15'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 167.00' | **12.0" Round Culvert**<br>L= 117.0' CPP, square edge headwall, Ke= 0.500<br>Inlet / Outlet Invert= 167.00' / 164.71' S= 0.0196 '/' Cc= 0.900<br>n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

**Primary OutFlow** Max=2.16 cfs @ 12.10 hrs HW=167.83' TW=164.68' (Dynamic Tailwater)
**1=Culvert** (Inlet Controls 2.16 cfs @ 3.10 fps)

### Pond 8P: HYDRO 1



## Summary for Pond 9P: MH5-MH6

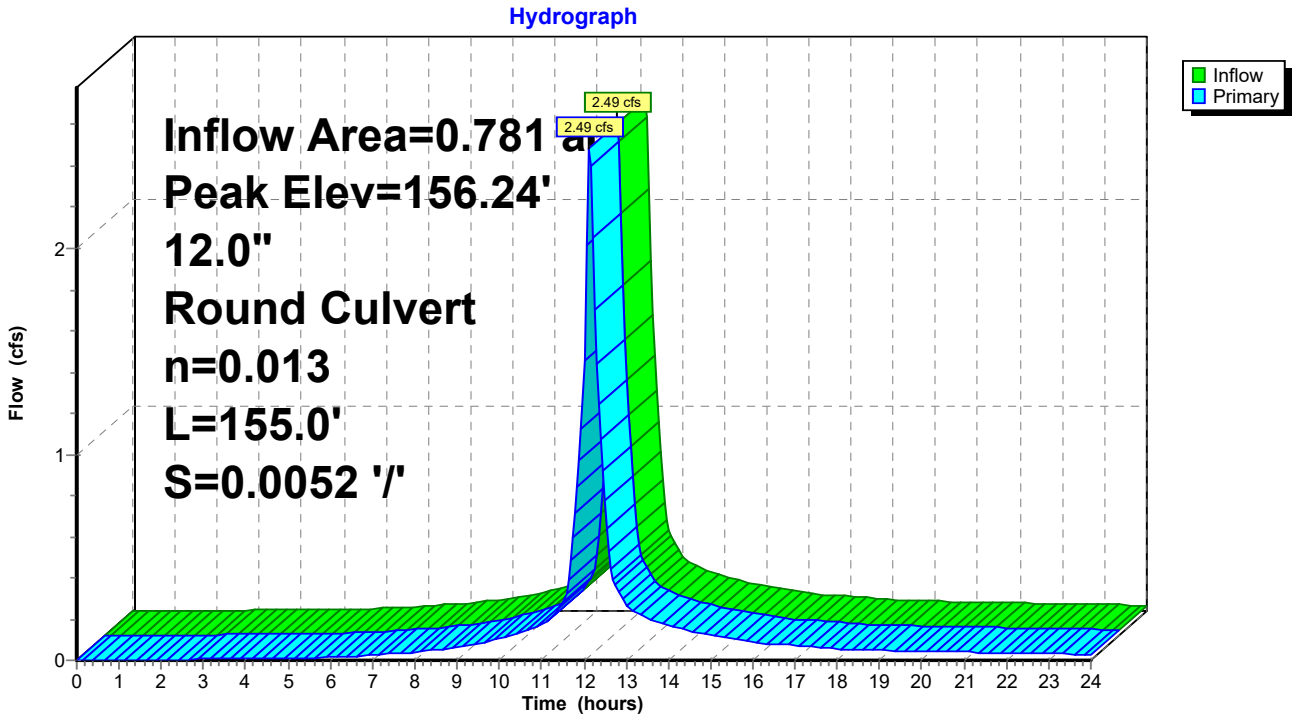
Inflow Area = 0.781 ac, 55.73% Impervious, Inflow Depth > 3.38" for 10-yr event
Inflow = 2.49 cfs @ 12.12 hrs, Volume= 0.220 af
Outflow = 2.49 cfs @ 12.12 hrs, Volume= 0.220 af, Atten= 0%, Lag= 0.0 min
Primary = 2.49 cfs @ 12.12 hrs, Volume= 0.220 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 156.24' @ 12.12 hrs
Flood Elev= 162.50'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 155.15' | **12.0" Round Culvert**<br>L= 155.0' CPP, square edge headwall, Ke= 0.500<br>Inlet / Outlet Invert= 155.15' / 154.35' S= 0.0052 '/' Cc= 0.900<br>n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

**Primary OutFlow** Max=2.43 cfs @ 12.12 hrs HW=156.21' TW=0.00' (Dynamic Tailwater)
**1=Culvert** (Barrel Controls 2.43 cfs @ 3.62 fps)

### Pond 9P: MH5-MH6



## Summary for Pond 14P: HYDRO 2

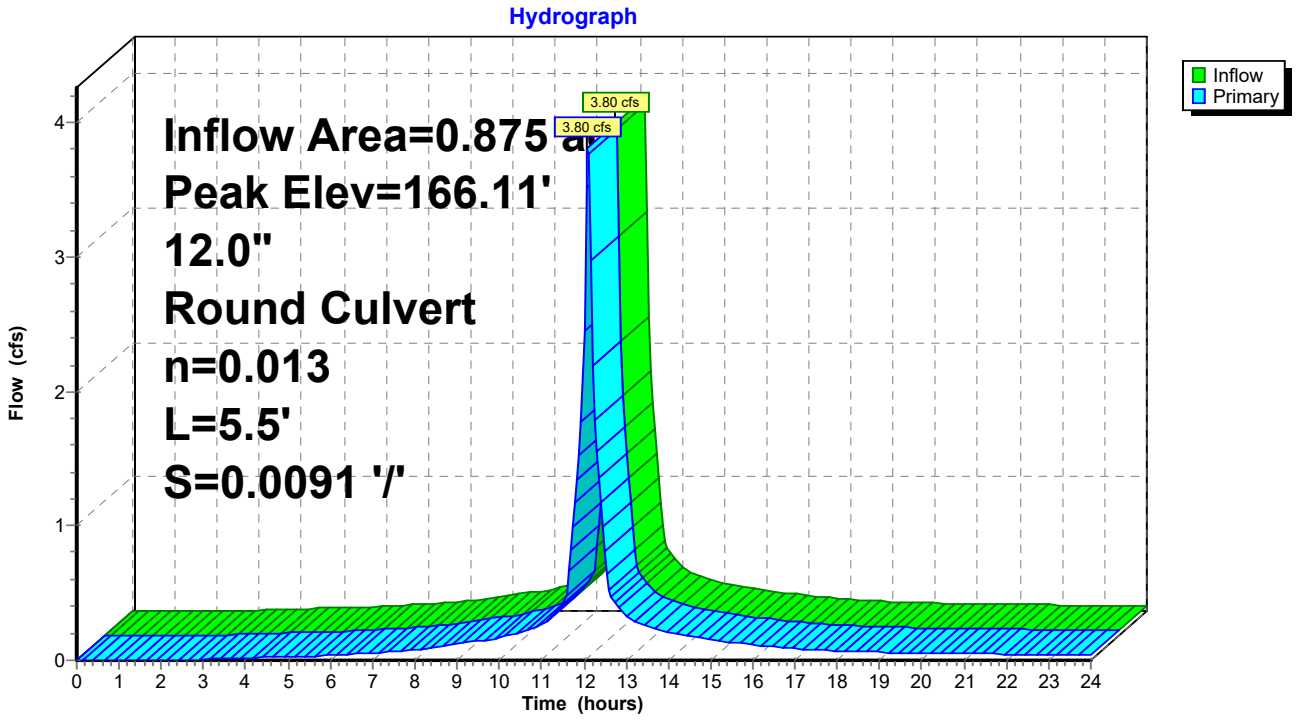
Inflow Area = 0.875 ac, 77.89% Impervious, Inflow Depth > 4.13" for 10-yr event
Inflow = 3.80 cfs @ 12.09 hrs, Volume= 0.301 af
Outflow = 3.80 cfs @ 12.09 hrs, Volume= 0.301 af, Atten= 0%, Lag= 0.0 min
Primary = 3.80 cfs @ 12.09 hrs, Volume= 0.301 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 166.11' @ 12.09 hrs
Flood Elev= 168.75'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 164.55' | **12.0" Round Culvert**<br>L= 5.5' CPP, square edge headwall, Ke= 0.500<br>Inlet / Outlet Invert= 164.55' / 164.50' S= 0.0091 '/' Cc= 0.900<br>n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

**Primary OutFlow** Max=3.71 cfs @ 12.09 hrs HW=166.08' TW=163.16' (Dynamic Tailwater)
**1=Culvert** (Barrel Controls 3.71 cfs @ 4.72 fps)

### Pond 14P: HYDRO 2



## Summary for Pond 15P: MH7

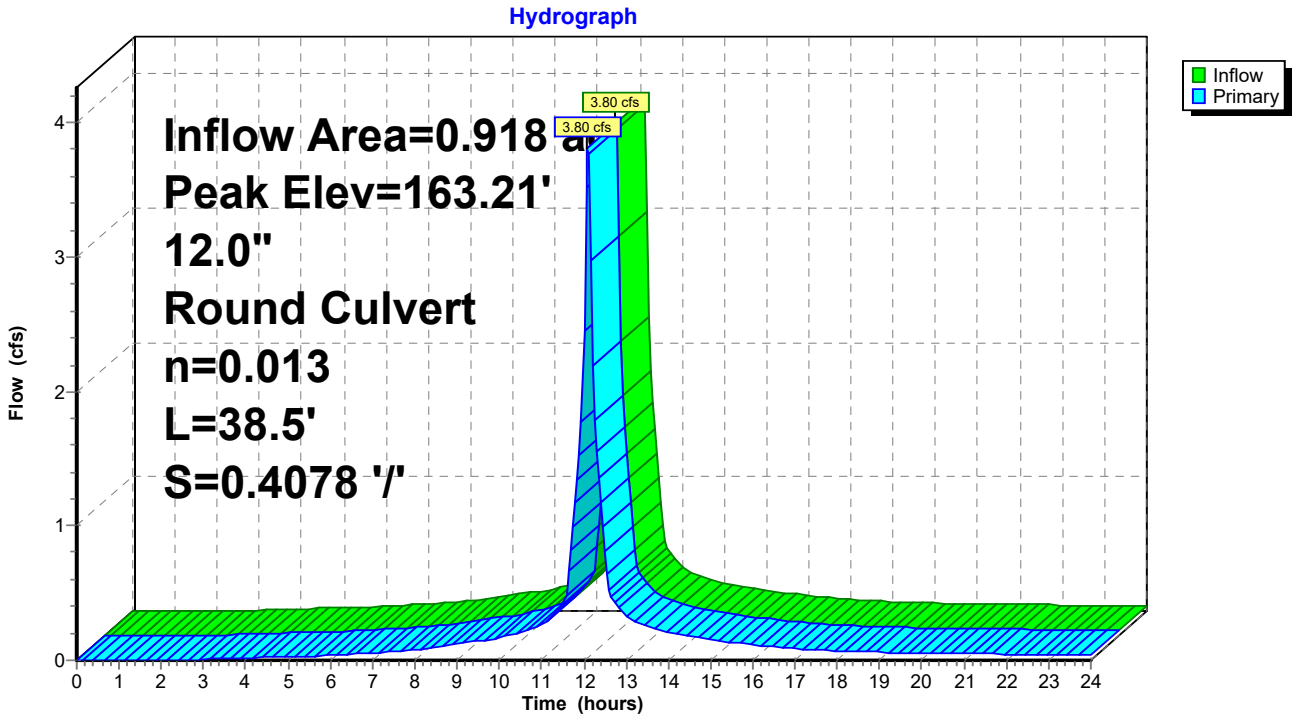
Inflow Area = 0.918 ac, 78.92% Impervious, Inflow Depth > 3.94" for 10-yr event
Inflow = 3.80 cfs @ 12.09 hrs, Volume= 0.301 af
Outflow = 3.80 cfs @ 12.09 hrs, Volume= 0.301 af, Atten= 0%, Lag= 0.0 min
Primary = 3.80 cfs @ 12.09 hrs, Volume= 0.301 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 163.21' @ 12.09 hrs
Flood Elev= 168.00'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 161.70' | **12.0" Round Culvert**<br>L= 38.5' CPP, square edge headwall, Ke= 0.500<br>Inlet / Outlet Invert= 161.70' / 146.00' S= 0.4078 '/' Cc= 0.900<br>n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

**Primary OutFlow** Max=3.71 cfs @ 12.09 hrs HW=163.16' TW=147.46' (Dynamic Tailwater)
**1=Culvert** (Inlet Controls 3.71 cfs @ 4.72 fps)

### Pond 15P: MH7



## Summary for Pond 16P: MH8

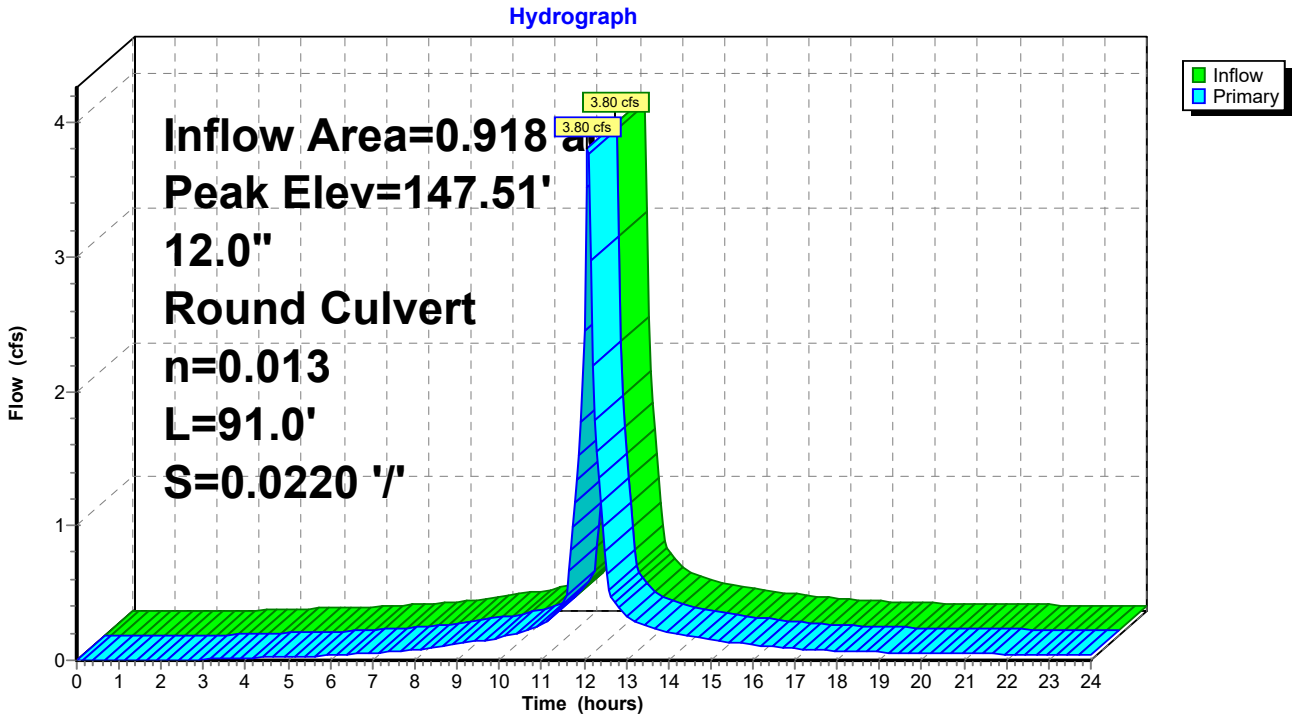
Inflow Area = 0.918 ac, 78.92% Impervious, Inflow Depth > 3.94" for 10-yr event
Inflow = 3.80 cfs @ 12.09 hrs, Volume= 0.301 af
Outflow = 3.80 cfs @ 12.09 hrs, Volume= 0.301 af, Atten= 0%, Lag= 0.0 min
Primary = 3.80 cfs @ 12.09 hrs, Volume= 0.301 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 147.51' @ 12.09 hrs
Flood Elev= 151.50'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 146.00' | **12.0" Round Culvert**<br>L= 91.0' CPP, square edge headwall, Ke= 0.500<br>Inlet / Outlet Invert= 146.00' / 144.00' S= 0.0220 '/' Cc= 0.900<br>n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

**Primary OutFlow** Max=3.71 cfs @ 12.09 hrs HW=147.46' TW=0.00' (Dynamic Tailwater)
**1=Culvert** (Inlet Controls 3.71 cfs @ 4.72 fps)

### Pond 16P: MH8



## Summary for Pond PP-1: Porous Pavement

Inflow Area = 0.043 ac,100.00% Impervious, Inflow Depth > 4.44" for 10-yr event
Inflow = 0.19 cfs @ 12.09 hrs, Volume= 0.016 af
Outflow = 0.02 cfs @ 11.85 hrs, Volume= 0.016 af, Atten= 90%, Lag= 0.0 min
Discarded = 0.02 cfs @ 11.85 hrs, Volume= 0.016 af
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 166.33' @ 12.83 hrs Surf.Area= 1,700 sf Storage= 225 cf
Flood Elev= 170.00' Surf.Area= 1,700 sf Storage= 2,720 cf

Plug-Flow detention time= (not calculated: outflow precedes inflow)
Center-of-Mass det. time= 74.3 min ( 823.0 - 748.7 )

| Volume | Invert | Avail.Storage | Storage Description |
|---|---|---|---|
| #1 | 166.00' | 2,720 cf | **Custom Stage Data (Prismatic)** Listed below (Recalc)<br>6,800 cf Overall x 40.0% Voids |

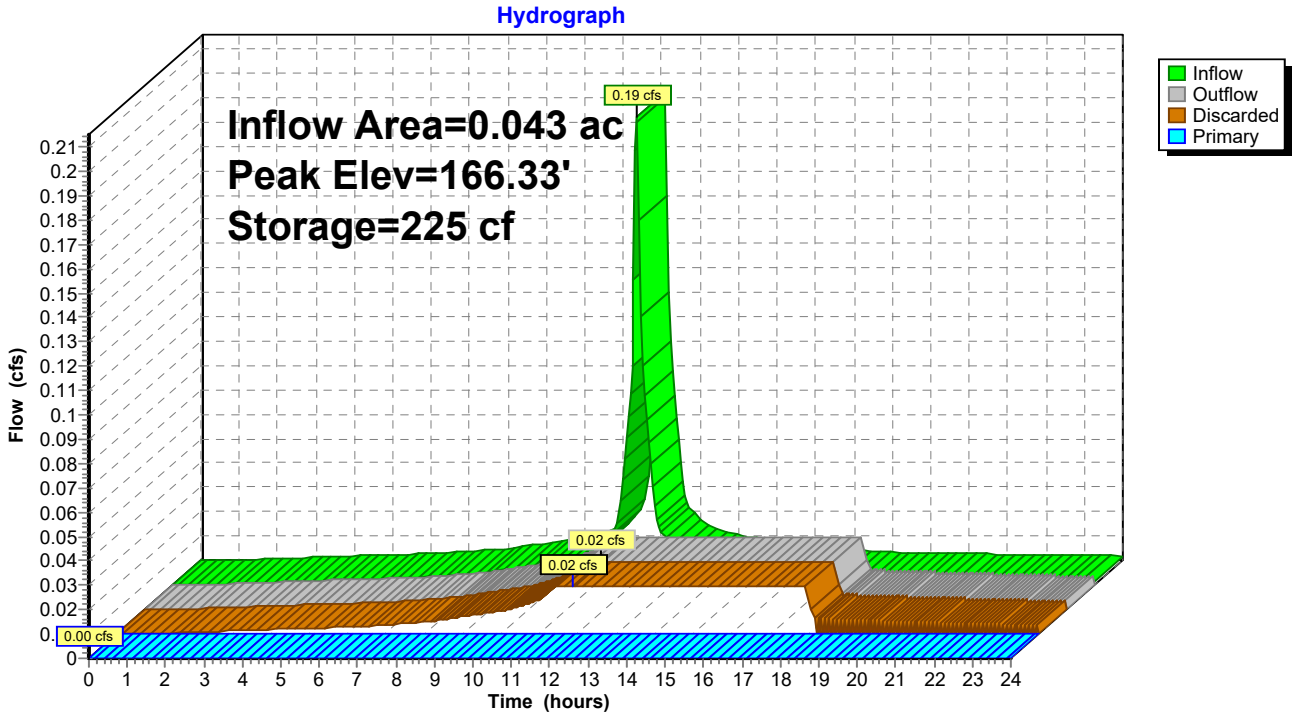
| Elevation (feet) | Surf.Area (sq-ft) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
|---|---|---|---|
| 166.00 | 1,700 | 0 | 0 |
| 170.00 | 1,700 | 6,800 | 6,800 |

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Discarded | 166.00' | **0.500 in/hr Exfiltration over Surface area** |
| #2 | Primary | 165.00' | **6.0" Round Culvert**<br>L= 23.0' CPP, square edge headwall, Ke= 0.500<br>Inlet / Outlet Invert= 165.00' / 164.25' S= 0.0326 '/' Cc= 0.900<br>n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf |
| #3 | Device 2 | 169.67' | **4.0" Vert. Orifice/Grate** C= 0.600 |

**Discarded OutFlow** Max=0.02 cfs @ 11.85 hrs HW=166.04' (Free Discharge)
↑**1=Exfiltration** (Exfiltration Controls 0.02 cfs)

**Primary OutFlow** Max=0.00 cfs @ 0.00 hrs HW=166.00' TW=161.70' (Dynamic Tailwater)
↑**2=Culvert** (Passes 0.00 cfs of 0.82 cfs potential flow)
↑**3=Orifice/Grate** ( Controls 0.00 cfs)

## Pond PP-1: Porous Pavement



## Summary for Subcatchment PS1: Driveway - North of Parker Ave

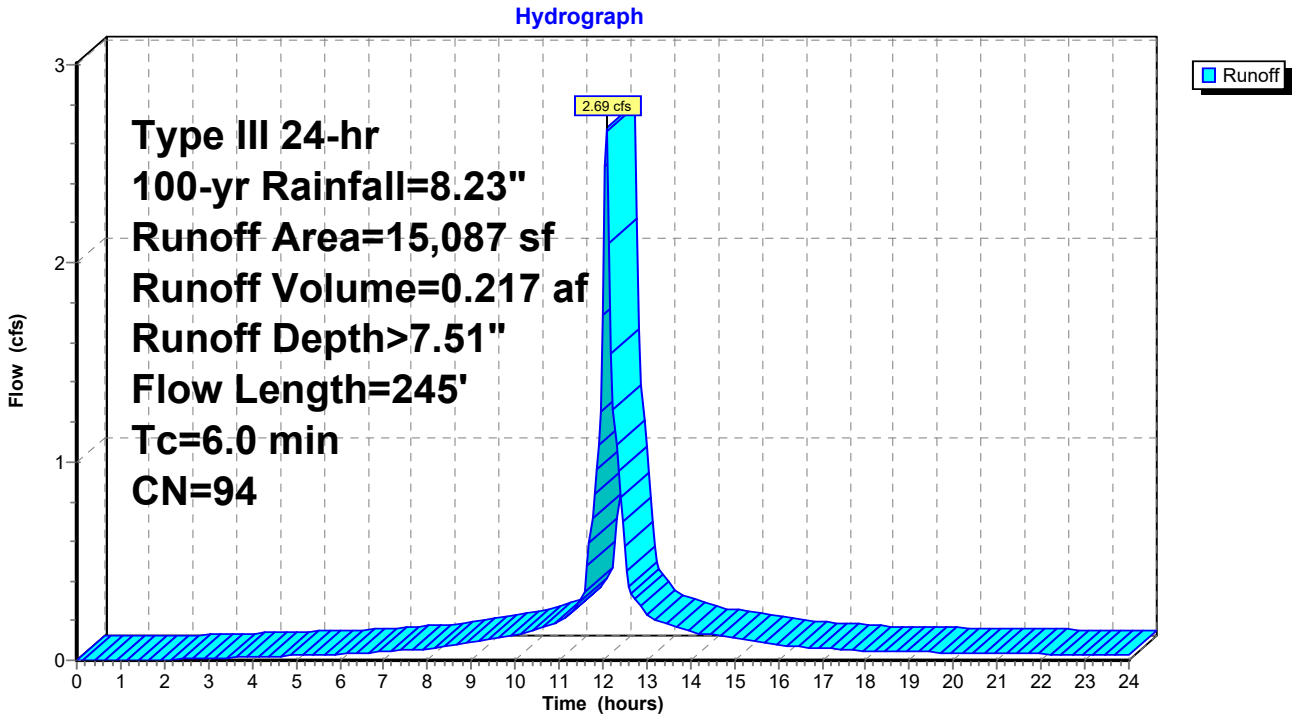
Runoff = 2.69 cfs @ 12.09 hrs, Volume= 0.217 af, Depth> 7.51"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-yr Rainfall=8.23"

| | Area (sf) | CN | Description |
|---|---|---|---|
| | 10,446 | 98 | Paved parking, HSG D |
| * | 0 | 98 | Gravel parking, HSG D |
| | 4,641 | 84 | 50-75% Grass cover, Fair, HSG D |
| | 15,087 | 94 | Weighted Average |
| | 4,641 | | 30.76% Pervious Area |
| | 10,446 | | 69.24% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 0.8 | 100 | 0.0500 | 1.97 | | **Sheet Flow, 100 feet paved @ 5%** Smooth surfaces n= 0.011 P2= 3.16" |
| 0.6 | 145 | 0.0340 | 3.74 | | **Shallow Concentrated Flow, 145 feet paved @ 3.4%** Paved Kv= 20.3 fps |
| 1.4 | 245 | Total, Increased to minimum Tc = 6.0 min | | | |

## Subcatchment PS1: Driveway - North of Parker Ave



## Summary for Subcatchment PS10: Existing grass area

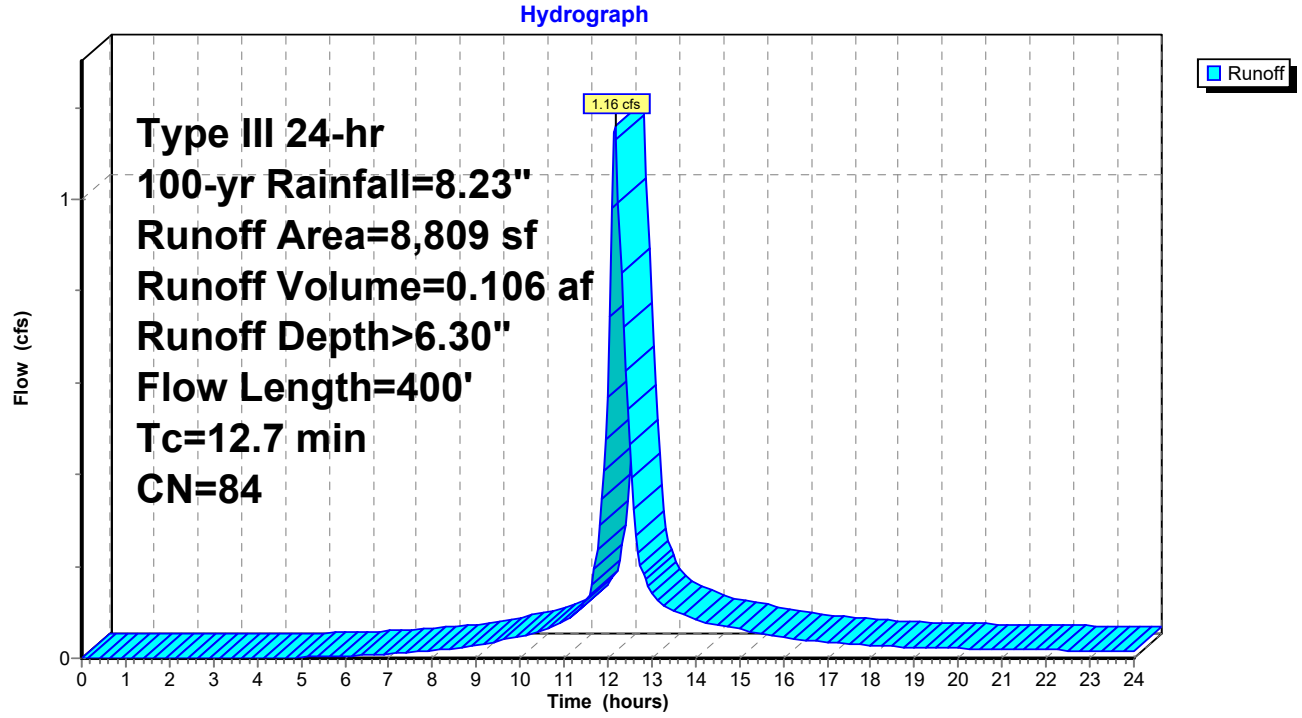
Runoff = 1.16 cfs @ 12.17 hrs, Volume= 0.106 af, Depth> 6.30"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-yr Rainfall=8.23"

| | Area (sf) | CN | Description |
|---|---|---|---|
| | 8,809 | 84 | 50-75% Grass cover, Fair, HSG D |
| * | 0 | 98 | Gravel parking, HSG D |
| | 8,809 | 84 | Weighted Average |
| | 8,809 | | 100.00% Pervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 8.3 | 100 | 0.0310 | 0.20 | | **Sheet Flow, 100 ft grass @3.1%** Grass: Short n= 0.150 P2= 3.16" |
| 4.4 | 300 | 0.0268 | 1.15 | | **Shallow Concentrated Flow, 300 ft grass @ 2.68%** Short Grass Pasture Kv= 7.0 fps |
| 12.7 | 400 | Total | | | |

## Subcatchment PS10: Existing grass area



## Summary for Subcatchment PS11: Walkway/Grass - South of Parker Ave

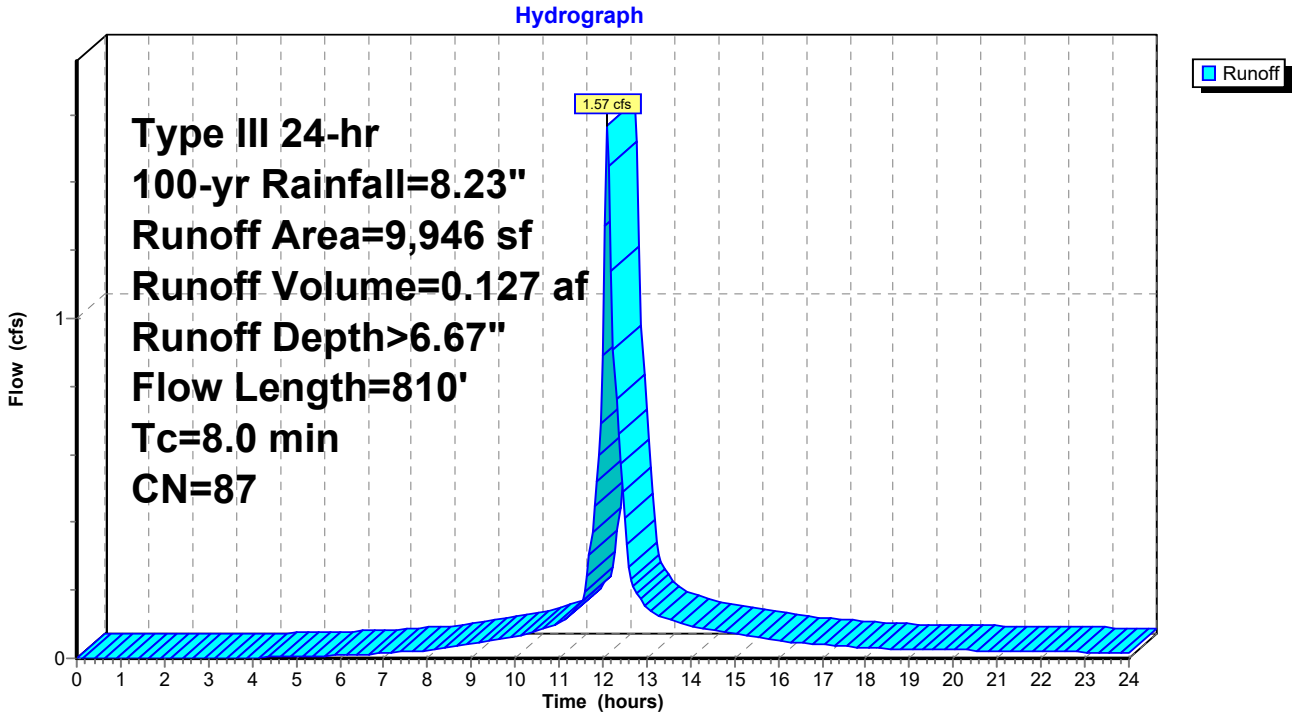
Runoff = 1.57 cfs @ 12.11 hrs, Volume= 0.127 af, Depth> 6.67"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-yr Rainfall=8.23"

| Area (sf) | CN | Description |
|---|---|---|
| 2,302 | 98 | Paved parking, HSG D |
| 0 | 77 | Brush, Fair, HSG D |
| 7,644 | 84 | 50-75% Grass cover, Fair, HSG D |
| 9,946 | 87 | Weighted Average |
| 7,644 | | 76.86% Pervious Area |
| 2,302 | | 23.14% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 2.7 | 10 | 0.0050 | 0.06 | | **Sheet Flow, 10 ft grass @ 0.5%** Grass: Short n= 0.150 P2= 3.16" |
| 0.5 | 9 | 0.3300 | 0.32 | | **Sheet Flow, 9 ft grass @ 33%** Grass: Short n= 0.150 P2= 3.16" |
| 0.7 | 76 | 0.0410 | 1.72 | | **Sheet Flow, 76 ft Sidewalk @ 4.1%** Smooth surfaces n= 0.011 P2= 3.16" |
| 0.3 | 70 | 0.0410 | 4.11 | | **Shallow Concentrated Flow, 70 ft Sidewalk @4.1%** Paved Kv= 20.3 fps |
| 1.0 | 173 | 0.0200 | 2.87 | | **Shallow Concentrated Flow, 173 ft HMA @ 2 %** Paved Kv= 20.3 fps |
| 2.8 | 472 | 0.0190 | 2.80 | | **Shallow Concentrated Flow, 472 ft gutter flow** Paved Kv= 20.3 fps |
| 8.0 | 810 | Total | | | |

## Subcatchment PS11: Walkway/Grass - South of Parker Ave



## Summary for Subcatchment PS12: Pavers

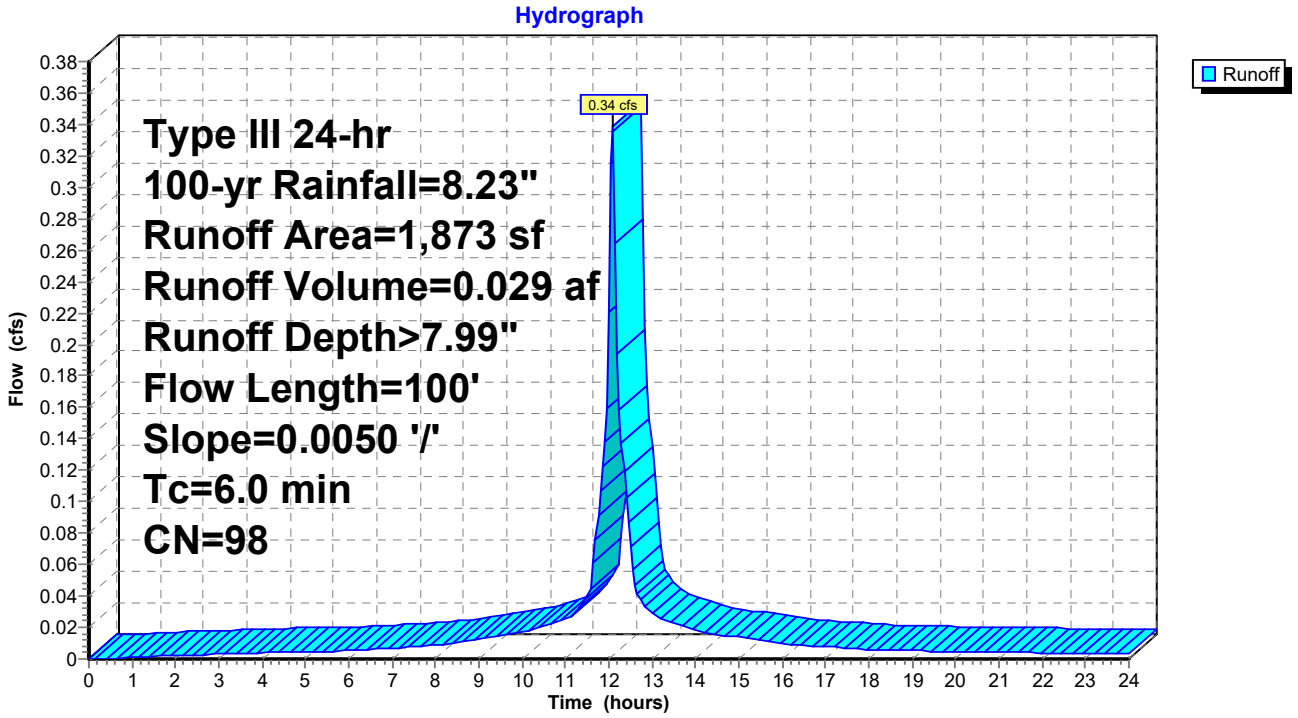
Runoff = 0.34 cfs @ 12.09 hrs, Volume= 0.029 af, Depth> 7.99"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-yr Rainfall=8.23"

| Area (sf) | CN | Description |
|---|---|---|
| 1,873 | 98 | Paved parking, HSG D |
| 0 | 77 | Brush, Fair, HSG D |
| 0 | 84 | 50-75% Grass cover, Fair, HSG D |
| 1,873 | 98 | Weighted Average |
| 1,873 | | 100.00% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 2.1 | 100 | 0.0050 | 0.79 | | **Sheet Flow, 25 ft pavers @ 0.5%** Smooth surfaces n= 0.011 P2= 3.16" |
| 2.1 | 100 | Total, Increased to minimum Tc = 6.0 min | | | |

## Subcatchment PS12: Pavers



## Summary for Subcatchment PS2: Parking Lot

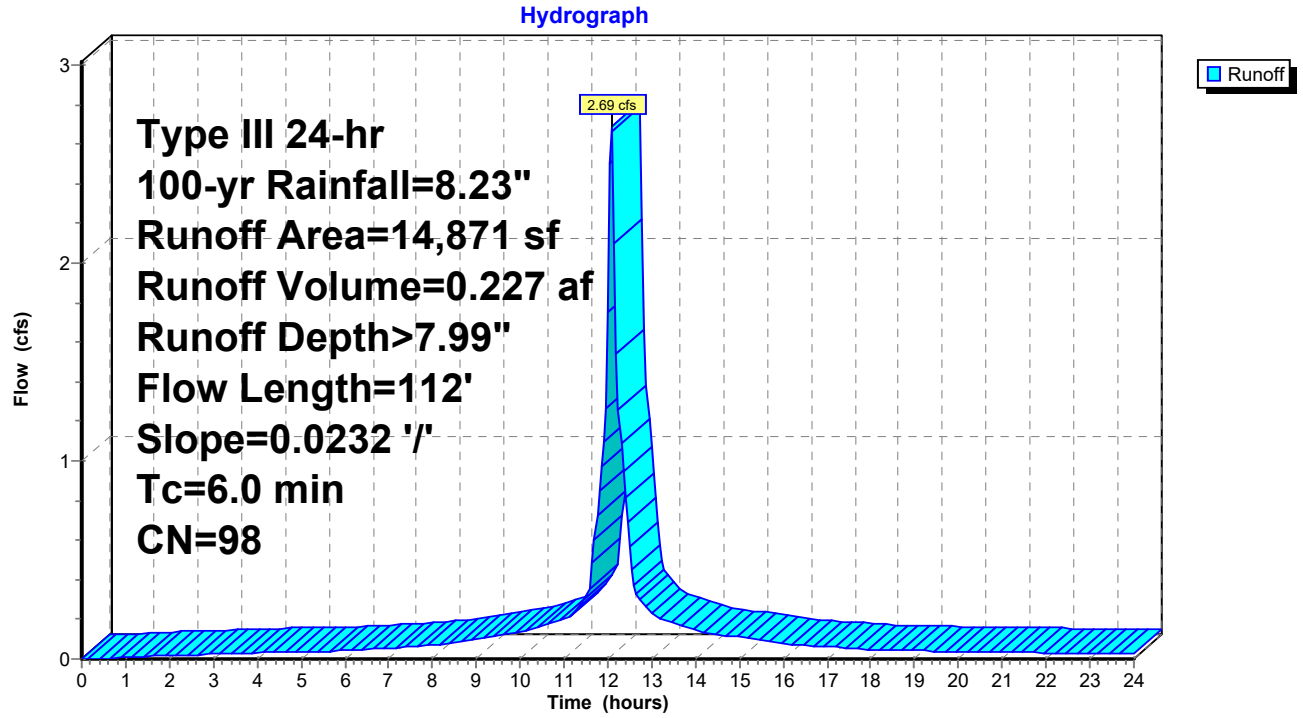
Runoff = 2.69 cfs @ 12.09 hrs, Volume= 0.227 af, Depth> 7.99"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-yr Rainfall=8.23"

| | Area (sf) | CN | Description |
|---|---|---|---|
| | 14,871 | 98 | Paved parking, HSG D |
| * | 0 | 98 | Gravel parking, HSG D |
| | 0 | 84 | 50-75% Grass cover, Fair, HSG D |
| | 14,871 | 98 | Weighted Average |
| | 14,871 | | 100.00% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 1.3 | 112 | 0.0232 | 1.48 | | **Sheet Flow, 112 ft imprevious @2.32%** Smooth surfaces n= 0.011 P2= 3.16" |
| 1.3 | 112 | Total, Increased to minimum Tc = 6.0 min | | | |

## Subcatchment PS2: Parking Lot



## Summary for Subcatchment PS3: Pavers/ Grass

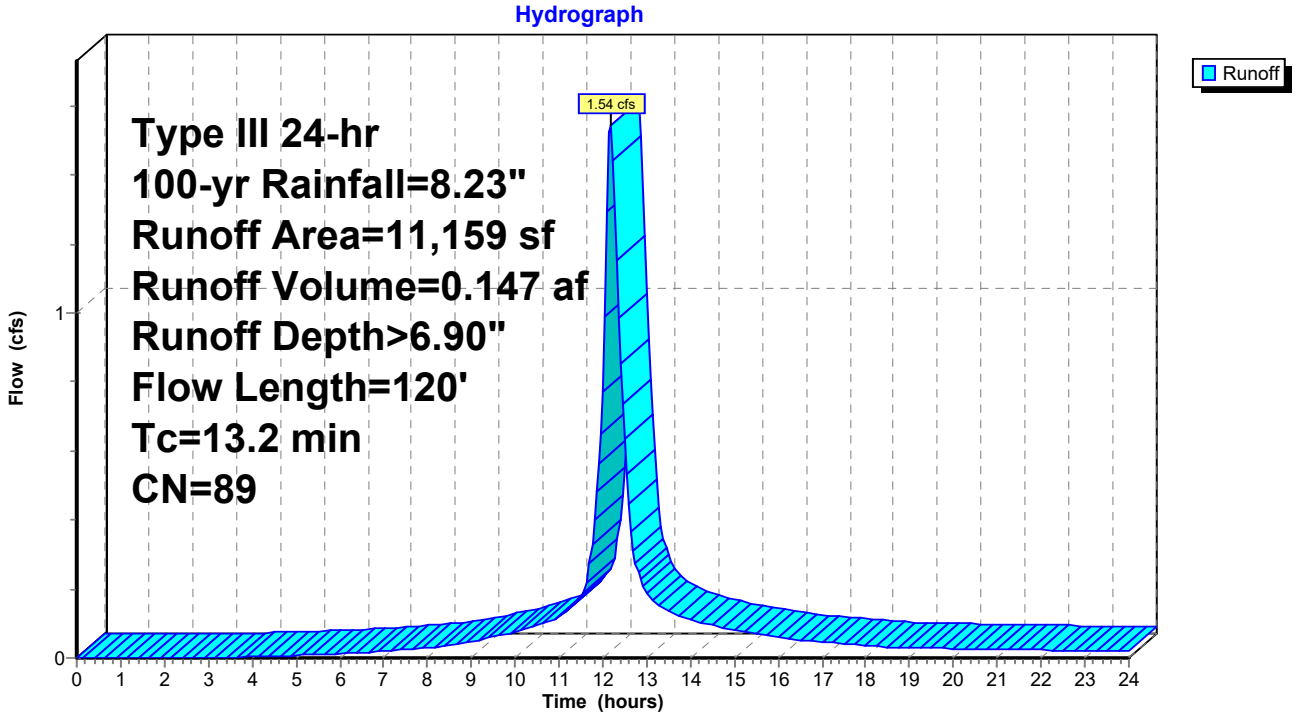
Runoff = 1.54 cfs @ 12.18 hrs, Volume= 0.147 af, Depth> 6.90"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-yr Rainfall=8.23"

| | Area (sf) | CN | Description |
|---|---|---|---|
| | 4,001 | 98 | Paved parking, HSG D |
| * | 0 | 98 | Gravel parking, HSG D |
| | 7,158 | 84 | 50-75% Grass cover, Fair, HSG D |
| | 11,159 | 89 | Weighted Average |
| | 7,158 | | 64.15% Pervious Area |
| | 4,001 | | 35.85% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 0.4 | 8 | 0.3300 | 0.31 | | **Sheet Flow, 8 ft grass @ 33%** Grass: Short n= 0.150 P2= 3.16" |
| 12.7 | 92 | 0.0090 | 0.12 | | **Sheet Flow, 92 ft grass @ 0.09%** Grass: Short n= 0.150 P2= 3.16" |
| 0.1 | 20 | 0.1400 | 2.62 | | **Shallow Concentrated Flow, 20 ft grass @ 14%** Short Grass Pasture Kv= 7.0 fps |
| 13.2 | 120 | Total | | | |

## Subcatchment PS3: Pavers/ Grass



## Summary for Subcatchment PS4: Parking Lot/ Grass

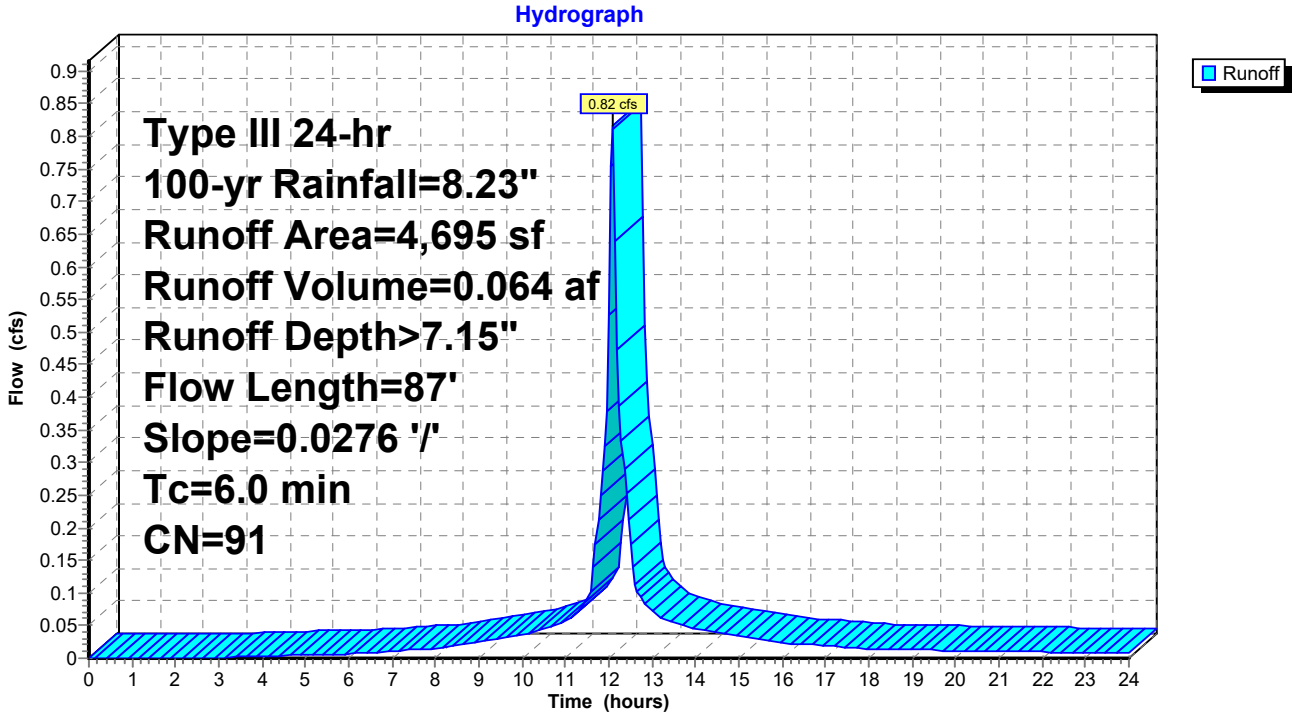
Runoff = 0.82 cfs @ 12.09 hrs, Volume= 0.064 af, Depth> 7.15"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-yr Rainfall=8.23"

| | Area (sf) | CN | Description |
|---|---|---|---|
| | 2,238 | 98 | Paved parking, HSG D |
| * | 0 | 98 | Gravel parking, HSG D |
| | 2,457 | 84 | 50-75% Grass cover, Fair, HSG D |
| | 4,695 | 91 | Weighted Average |
| | 2,457 | | 52.33% Pervious Area |
| | 2,238 | | 47.67% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 1.0 | 87 | 0.0276 | 1.51 | | **Sheet Flow, 87 ft impervious @2.76%** Smooth surfaces n= 0.011 P2= 3.16" |
| 1.0 | 87 | Total, Increased to minimum Tc = 6.0 min | | | |

## Subcatchment PS4: Parking Lot/ Grass



## Summary for Subcatchment PS5A: Existing Road

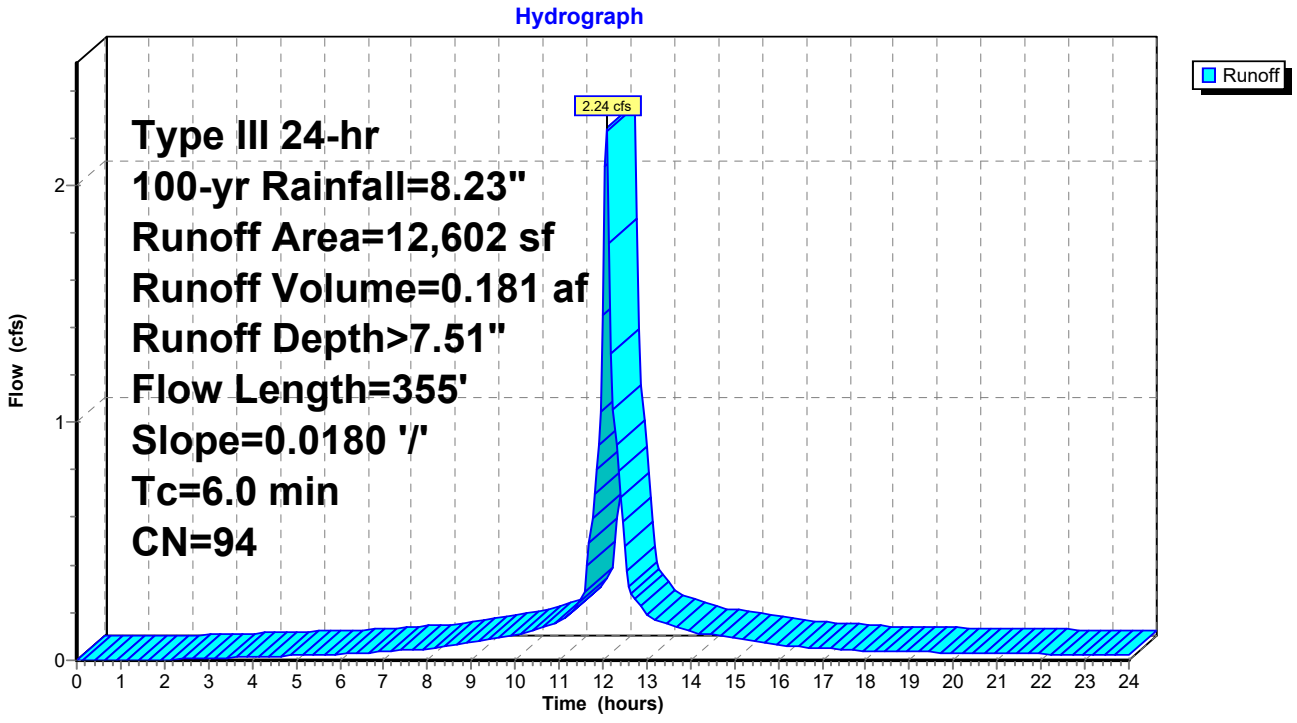
Runoff = 2.24 cfs @ 12.09 hrs, Volume= 0.181 af, Depth> 7.51"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-yr Rainfall=8.23"

| | Area (sf) | CN | Description |
|---|---|---|---|
| | 9,246 | 98 | Paved parking, HSG D |
| * | 0 | 98 | Gravel parking, HSG D |
| | 3,356 | 84 | 50-75% Grass cover, Fair, HSG D |
| | 12,602 | 94 | Weighted Average |
| | 3,356 | | 26.63% Pervious Area |
| | 9,246 | | 73.37% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 1.3 | 100 | 0.0180 | 1.31 | | **Sheet Flow, 100 ft impervious @1.8%** Smooth surfaces n= 0.011 P2= 3.16" |
| 1.6 | 255 | 0.0180 | 2.72 | | **Shallow Concentrated Flow, 255 ft impervious @ 1.8%** Paved Kv= 20.3 fps |
| 2.9 | 355 | Total, Increased to minimum Tc = 6.0 min | | | |

## Subcatchment PS5A: Existing Road



## Summary for Subcatchment PS5B: Existing Road

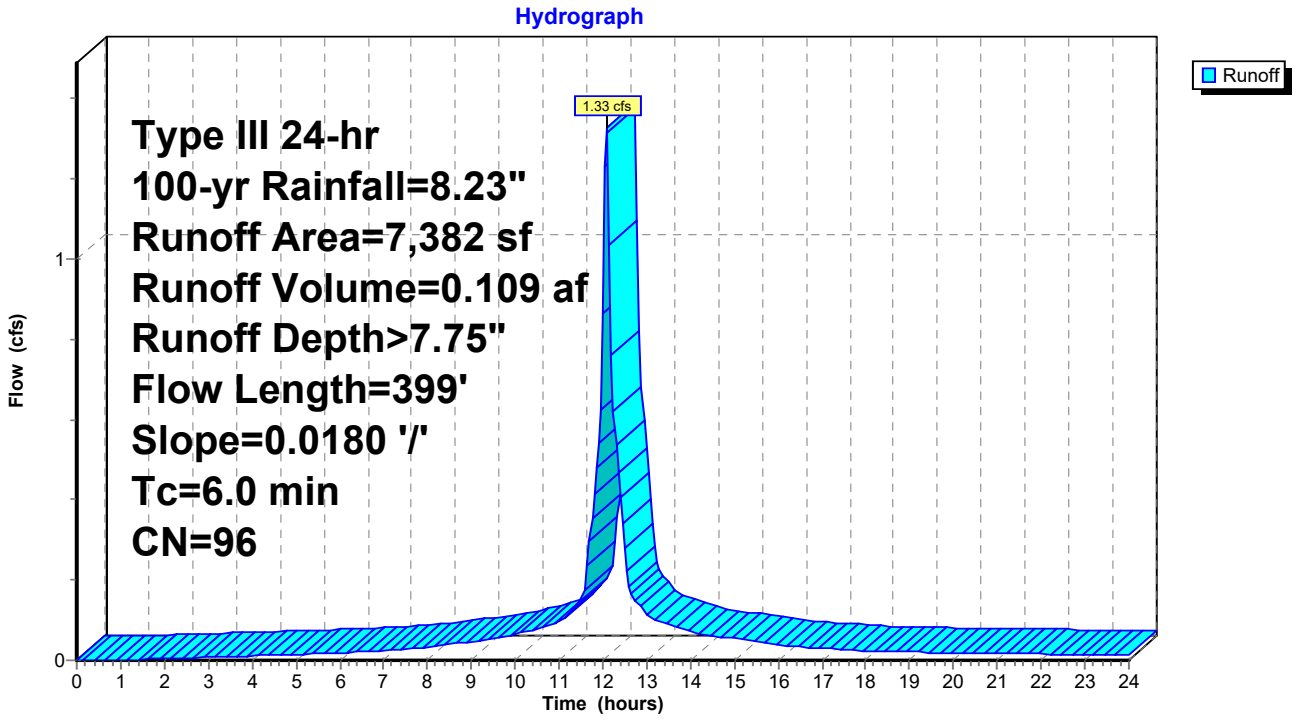
Runoff = 1.33 cfs @ 12.09 hrs, Volume= 0.109 af, Depth> 7.75"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-yr Rainfall=8.23"

| | Area (sf) | CN | Description |
|---|---|---|---|
| | 6,142 | 98 | Paved parking, HSG D |
| * | 0 | 98 | Gravel parking, HSG D |
| | 1,240 | 84 | 50-75% Grass cover, Fair, HSG D |
| | 7,382 | 96 | Weighted Average |
| | 1,240 | | 16.80% Pervious Area |
| | 6,142 | | 83.20% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 1.3 | 100 | 0.0180 | 1.31 | | **Sheet Flow, 100 ft impervious @1.8%** Smooth surfaces n= 0.011 P2= 3.16" |
| 1.8 | 299 | 0.0180 | 2.72 | | **Shallow Concentrated Flow, 299 ft impervious @ 1.8%** Paved Kv= 20.3 fps |
| 3.1 | 399 | Total, Increased to minimum Tc = 6.0 min | | | |

## Subcatchment PS5B: Existing Road



## Summary for Subcatchment PS6: Walkway/Grass - South of Parker Ave

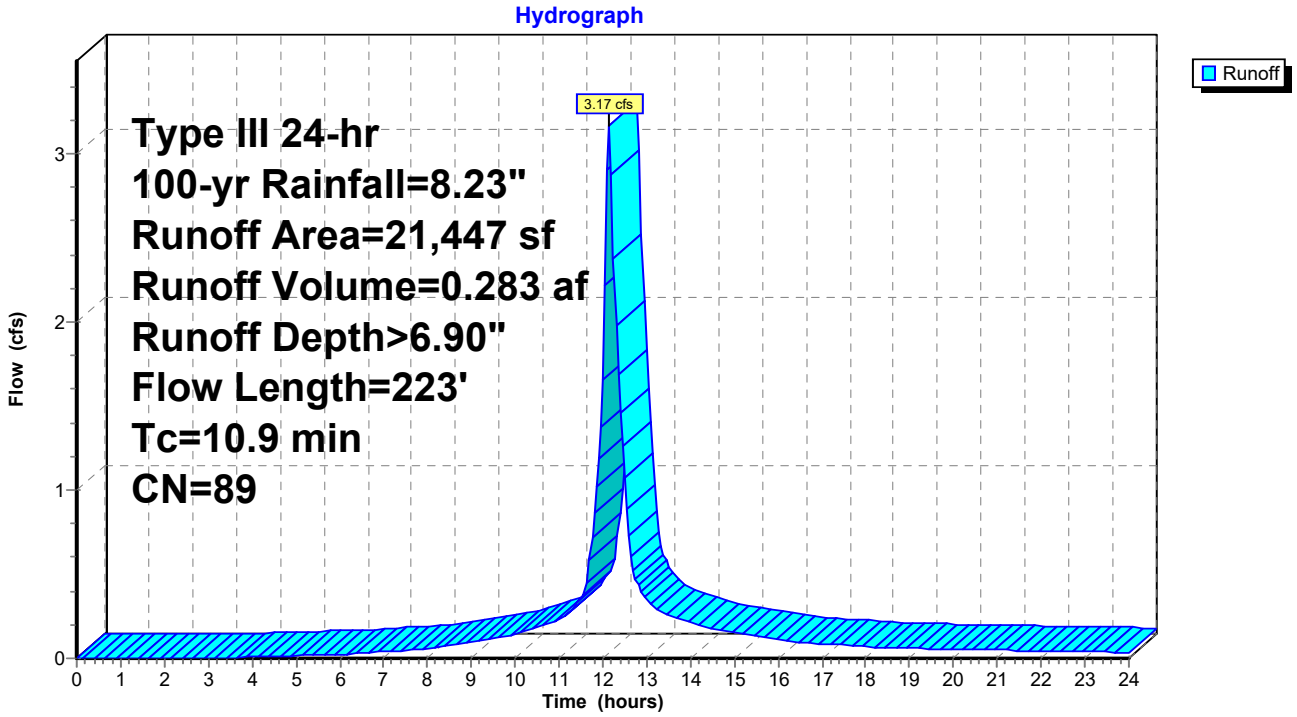
Runoff = 3.17 cfs @ 12.15 hrs, Volume= 0.283 af, Depth> 6.90"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-yr Rainfall=8.23"

| Area (sf) | CN | Description |
|---|---|---|
| 8,292 | 98 | Paved parking, HSG D |
| 0 | 77 | Brush, Fair, HSG D |
| 13,155 | 84 | 50-75% Grass cover, Fair, HSG D |
| 21,447 | 89 | Weighted Average |
| 13,155 | | 61.34% Pervious Area |
| 8,292 | | 38.66% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 0.1 | 4 | 0.0150 | 0.64 | | **Sheet Flow, 4 ft impervious @1.5%**<br>Smooth surfaces n= 0.011 P2= 3.16" |
| 0.8 | 4 | 0.0150 | 0.08 | | **Sheet Flow, 5 ft grass @1.5%**<br>Grass: Short n= 0.150 P2= 3.16" |
| 0.1 | 5 | 0.0150 | 0.67 | | **Sheet Flow, 5 ft concrete @1.5%**<br>Smooth surfaces n= 0.011 P2= 3.16" |
| 0.7 | 14 | 0.3200 | 0.35 | | **Sheet Flow, 13.5 ft grass @3 2%**<br>Grass: Short n= 0.150 P2= 3.16" |
| 7.9 | 38 | 0.0050 | 0.08 | | **Sheet Flow, 38 ft grass @ 0.5%**<br>Grass: Short n= 0.150 P2= 3.16" |
| 0.1 | 10 | 0.0200 | 2.87 | | **Shallow Concentrated Flow, 10 ft concrete @ 2%**<br>Paved Kv= 20.3 fps |
| 0.1 | 13 | 0.3300 | 4.02 | | **Shallow Concentrated Flow, 12.5 ft grass @ 33%**<br>Short Grass Pasture Kv= 7.0 fps |
| 0.2 | 17 | 0.0070 | 1.70 | | **Shallow Concentrated Flow, 16.5 ft concrete @ 0.7%**<br>Paved Kv= 20.3 fps |
| 0.3 | 10 | 0.0070 | 0.59 | | **Shallow Concentrated Flow, 10 ft grass @ 0.7%**<br>Short Grass Pasture Kv= 7.0 fps |
| 0.6 | 108 | 0.0050 | 3.21 | 2.52 | **Pipe Channel, cb7-cb8**<br>12.0" Round Area= 0.8 sf Perim= 3.1' r= 0.25'<br>n= 0.013 Corrugated PE, smooth interior |
| 10.9 | 223 | Total | | | |

## Subcatchment PS6: Walkway/Grass - South of Parker Ave



## Summary for Subcatchment PS7: Rear of Site

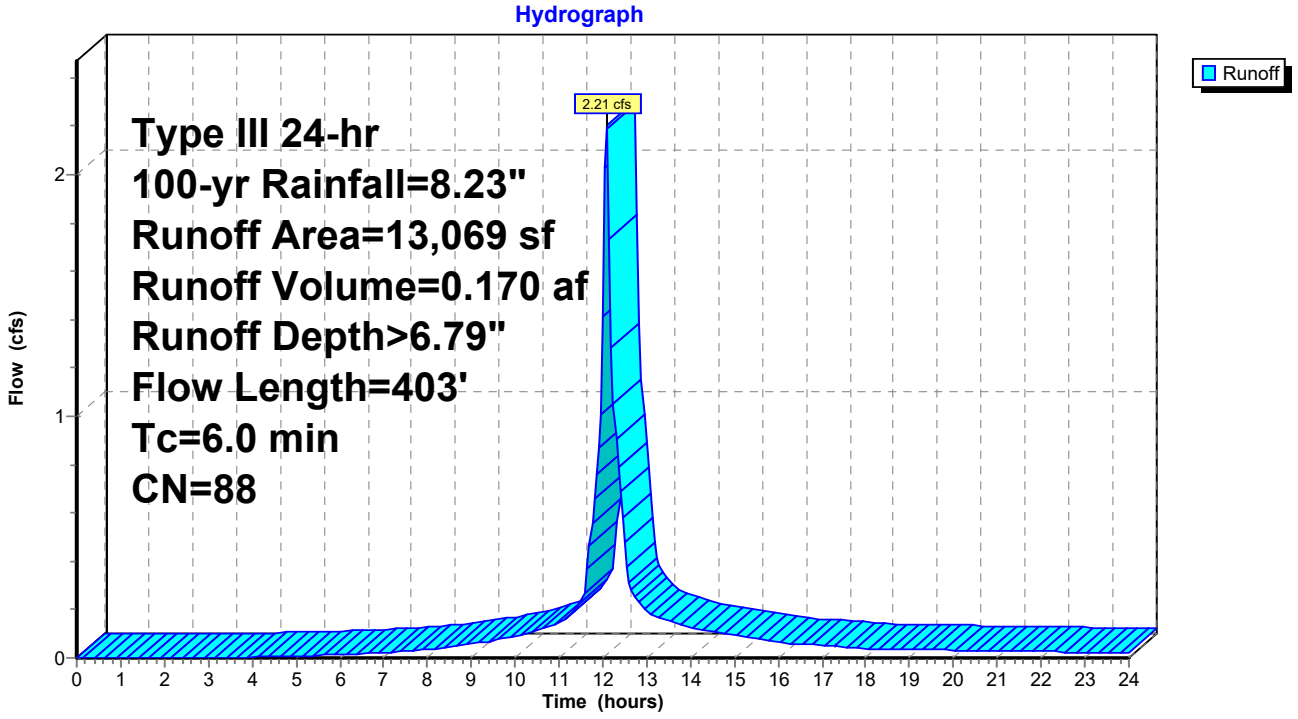
Runoff = 2.21 cfs @ 12.09 hrs, Volume= 0.170 af, Depth> 6.79"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-yr Rainfall=8.23"

| Area (sf) | CN | Description |
|---|---|---|
| 3,514 | 98 | Paved parking, HSG D |
| 0 | 77 | Brush, Fair, HSG D |
| 9,555 | 84 | 50-75% Grass cover, Fair, HSG D |
| 13,069 | 88 | Weighted Average |
| 9,555 | | 73.11% Pervious Area |
| 3,514 | | 26.89% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 3.6 | 64 | 0.1050 | 0.30 | | **Sheet Flow, 64 ft grass @ 10.5%** Grass: Short n= 0.150 P2= 3.16" |
| 0.5 | 36 | 0.0310 | 1.33 | | **Sheet Flow, 36 ft HMA @ 3.1%** Smooth surfaces n= 0.011 P2= 3.16" |
| 1.9 | 303 | 0.0170 | 2.65 | | **Shallow Concentrated Flow, 303 ft HMA @ 1.7%** Paved Kv= 20.3 fps |
| 6.0 | 403 | Total | | | |

## Subcatchment PS7: Rear of Site



## Summary for Subcatchment PS8: Parking Lot - South of Parker Ave

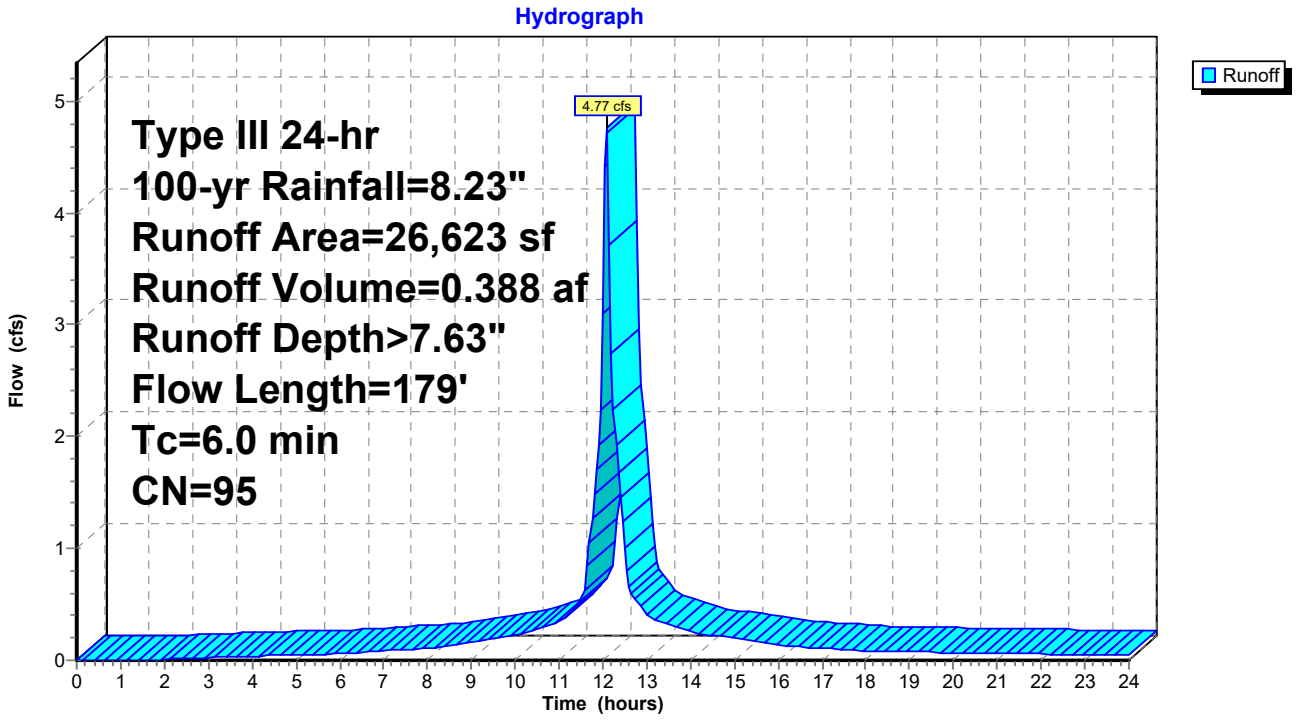
Runoff = 4.77 cfs @ 12.09 hrs, Volume= 0.388 af, Depth> 7.63"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-yr Rainfall=8.23"

| Area (sf) | CN | Description |
|---|---|---|
| 20,106 | 98 | Paved parking, HSG D |
| 0 | 77 | Brush, Fair, HSG D |
| 6,517 | 84 | 50-75% Grass cover, Fair, HSG D |
| 26,623 | 95 | Weighted Average |
| 6,517 | | 24.48% Pervious Area |
| 20,106 | | 75.52% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 1.1 | 100 | 0.0290 | 1.59 | | **Sheet Flow, 100 ft HMA @ 2.9%** Smooth surfaces n= 0.011 P2= 3.16" |
| 0.5 | 79 | 0.0200 | 2.87 | | **Shallow Concentrated Flow, 79 ft HMA @ 2%** Paved Kv= 20.3 fps |
| 1.6 | 179 | Total, Increased to minimum Tc = 6.0 min | | | |

## Subcatchment PS8: Parking Lot - South of Parker Ave



## Summary for Subcatchment PS9: Building

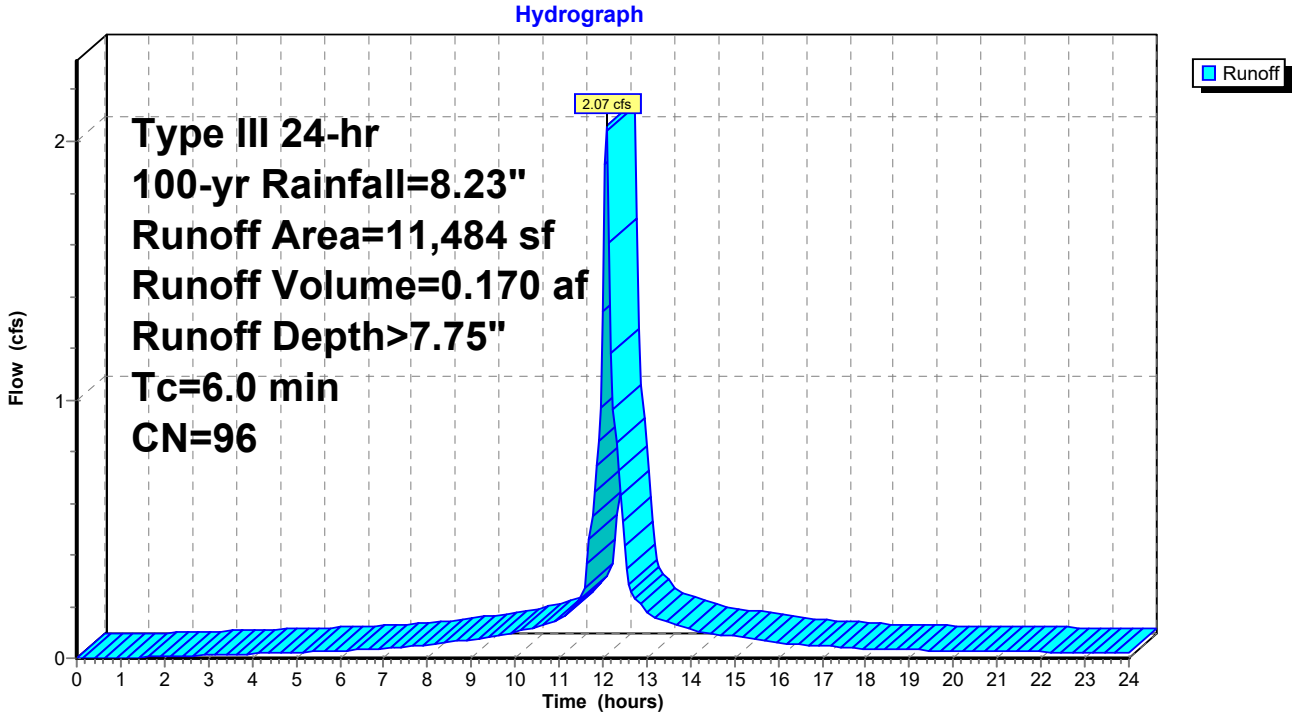
Runoff = 2.07 cfs @ 12.09 hrs, Volume= 0.170 af, Depth> 7.75"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-yr Rainfall=8.23"

| Area (sf) | CN | Description |
|---|---|---|
| 9,574 | 98 | Paved parking, HSG D |
| 0 | 77 | Brush, Fair, HSG D |
| 1,910 | 84 | 50-75% Grass cover, Fair, HSG D |
| 11,484 | 96 | Weighted Average |
| 1,910 | | 16.63% Pervious Area |
| 9,574 | | 83.37% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 6.0 | | | | | **Direct Entry, min** |

## Subcatchment PS9: Building



## Summary for Subcatchment PS9A: Half Building A

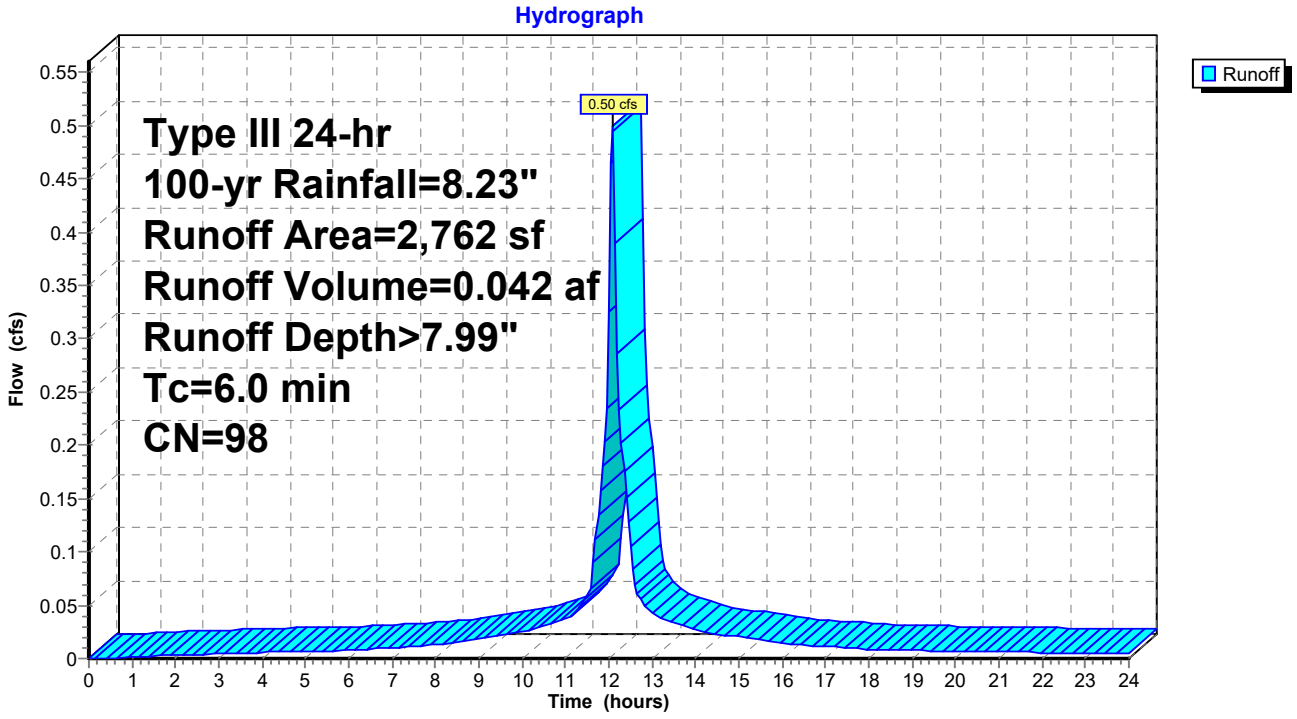
Runoff = 0.50 cfs @ 12.09 hrs, Volume= 0.042 af, Depth> 7.99"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-yr Rainfall=8.23"

| Area (sf) | CN | Description |
|---|---|---|
| 2,762 | 98 | Paved parking, HSG D |
| 0 | 77 | Brush, Fair, HSG D |
| 0 | 84 | 50-75% Grass cover, Fair, HSG D |
| 2,762 | 98 | Weighted Average |
| 2,762 | | 100.00% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 6.0 | | | | | **Direct Entry, min** |

## Subcatchment PS9A: Half Building A



## Summary for Subcatchment PS9B: Half Building B

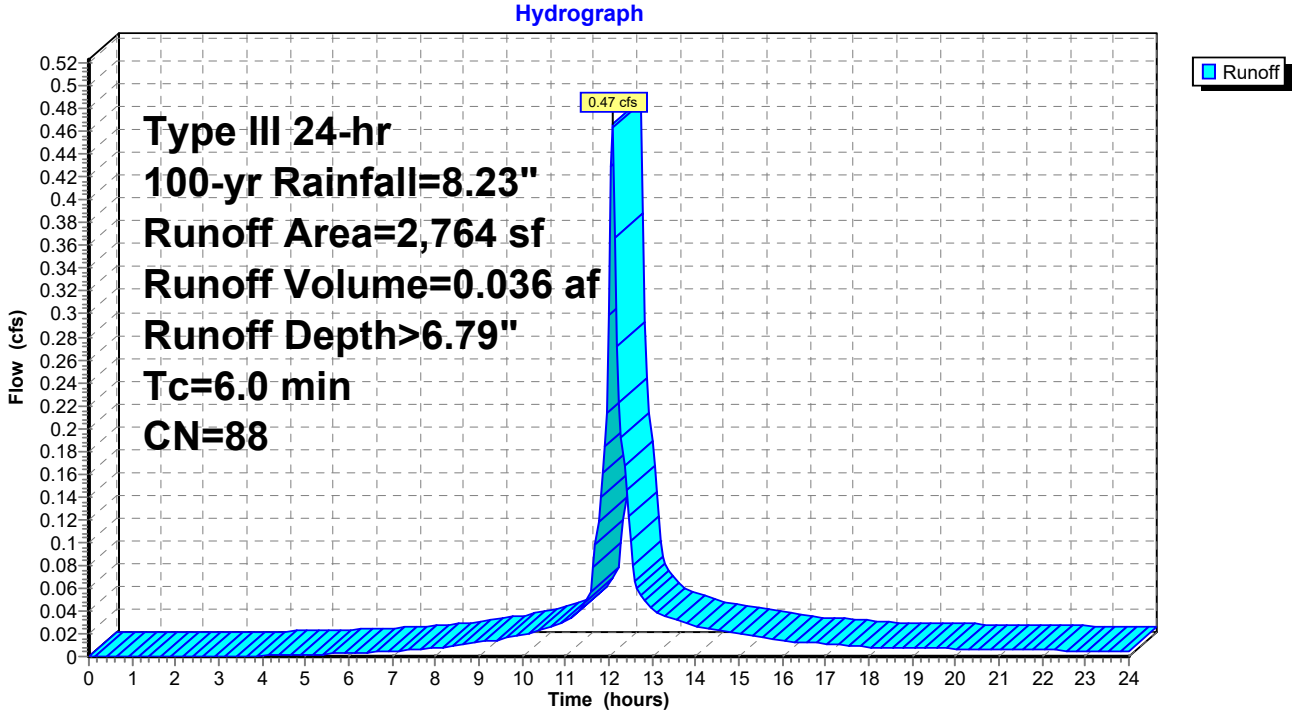
Runoff = 0.47 cfs @ 12.09 hrs, Volume= 0.036 af, Depth> 6.79"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-yr Rainfall=8.23"

| Area (sf) | CN | Description |
|---|---|---|
| 1,910 | 84 | 50-75% Grass cover, Fair, HSG D |
| 854 | 98 | Roofs, HSG A |
| 2,764 | 88 | Weighted Average |
| 1,910 | | 69.10% Pervious Area |
| 854 | | 30.90% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 6.0 | | | | | **Direct Entry, min** |

## Subcatchment PS9B: Half Building B



## Summary for Subcatchment PS9C: Building

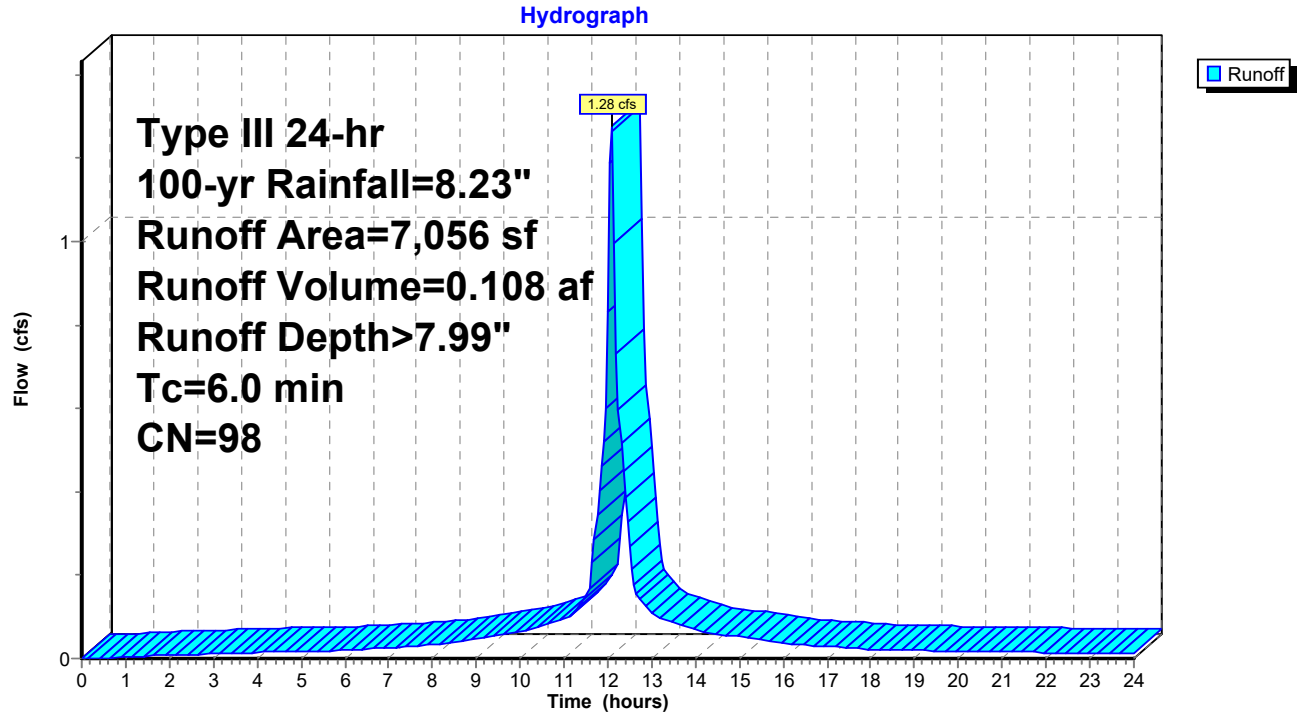
Runoff = 1.28 cfs @ 12.09 hrs, Volume= 0.108 af, Depth> 7.99"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-yr Rainfall=8.23"

| Area (sf) | CN | Description |
|---|---|---|
| 7,056 | 98 | Paved parking, HSG D |
| 0 | 77 | Brush, Fair, HSG D |
| 0 | 84 | 50-75% Grass cover, Fair, HSG D |
| 7,056 | 98 | Weighted Average |
| 7,056 | | 100.00% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 6.0 | | | | | **Direct Entry, min** |

## Subcatchment PS9C: Building

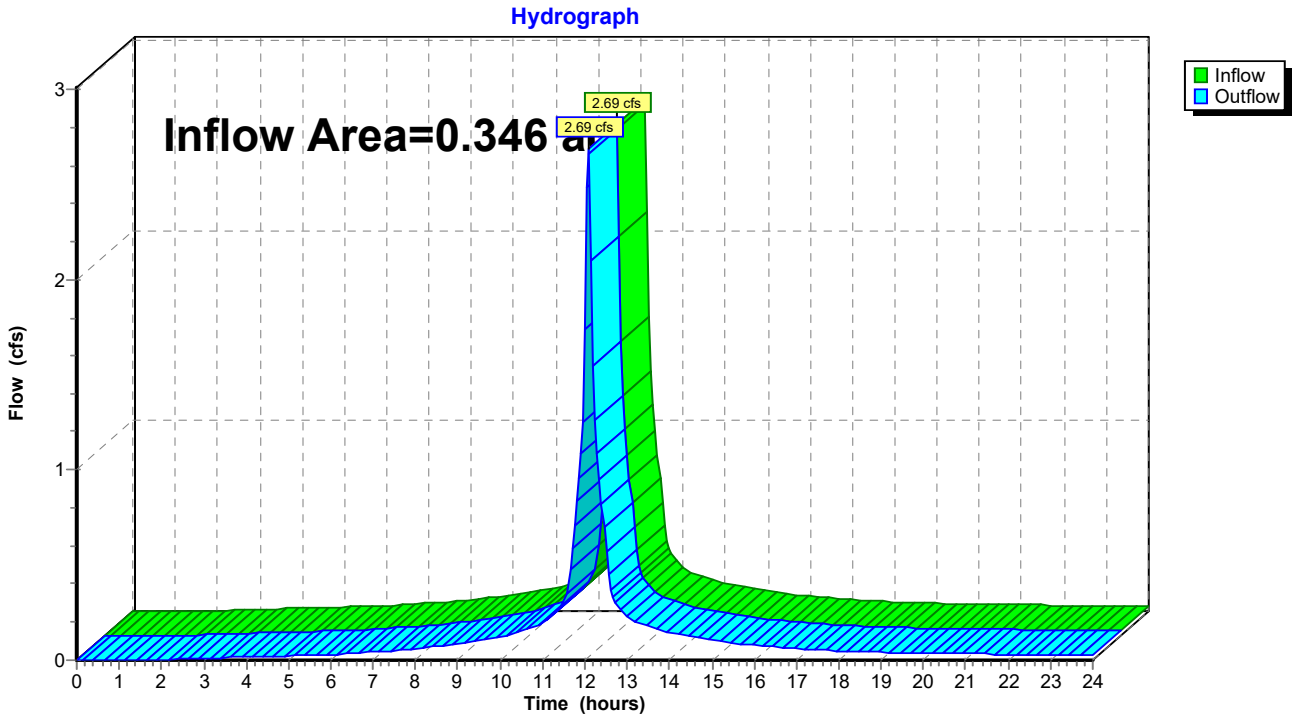


## Summary for Reach DP1:

Inflow Area = 0.346 ac, 69.24% Impervious, Inflow Depth > 7.51" for 100-yr event
Inflow = 2.69 cfs @ 12.09 hrs, Volume= 0.217 af
Outflow = 2.69 cfs @ 12.09 hrs, Volume= 0.217 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

## Reach DP1:



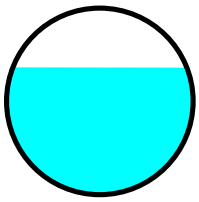
## Summary for Reach DP2: EX CB3

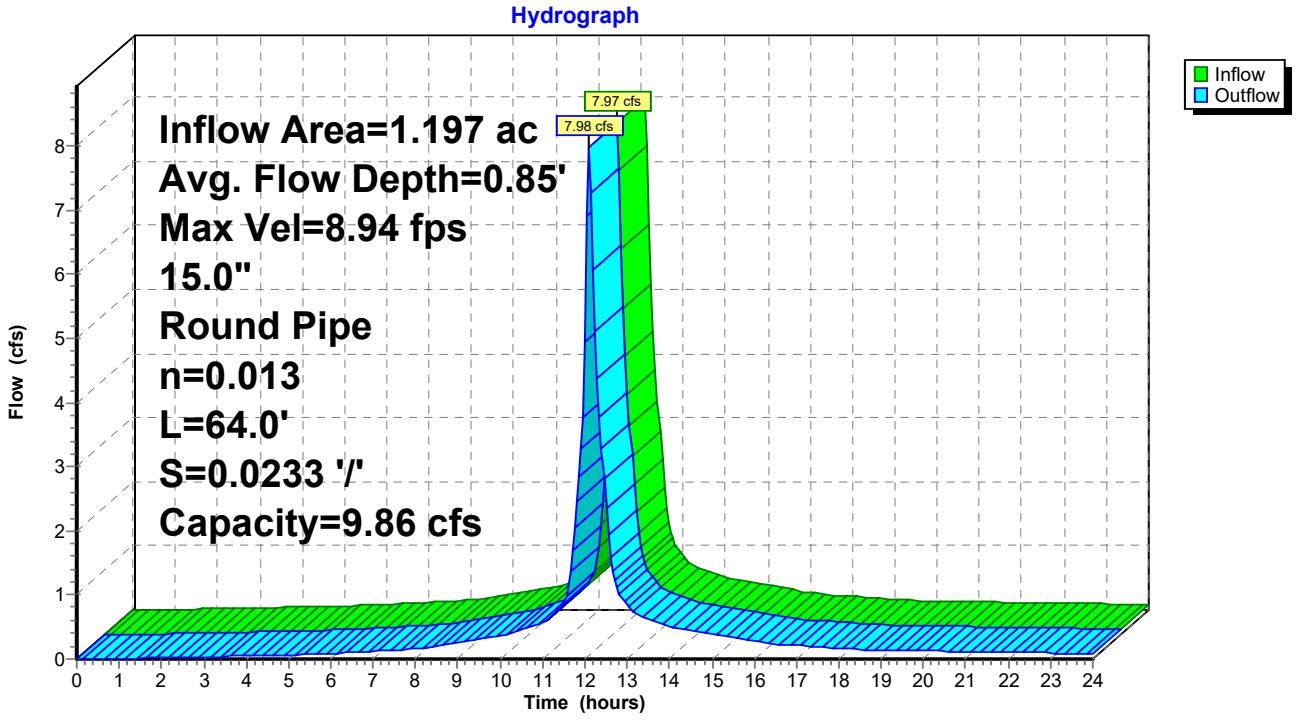
Inflow Area = 1.197 ac, 58.22% Impervious, Inflow Depth > 7.14" for 100-yr event
Inflow = 7.97 cfs @ 12.10 hrs, Volume= 0.712 af
Outflow = 7.98 cfs @ 12.11 hrs, Volume= 0.712 af, Atten= 0%, Lag= 0.1 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Max. Velocity= 8.94 fps, Min. Travel Time= 0.1 min
Avg. Velocity = 3.15 fps, Avg. Travel Time= 0.3 min

Peak Storage= 57 cf @ 12.11 hrs
Average Depth at Peak Storage= 0.85'
Bank-Full Depth= 1.25' Flow Area= 1.2 sf, Capacity= 9.86 cfs

15.0" Round Pipe
n= 0.013 Corrugated PE, smooth interior
Length= 64.0' Slope= 0.0233 '/'
Inlet Invert= 164.14', Outlet Invert= 162.65'



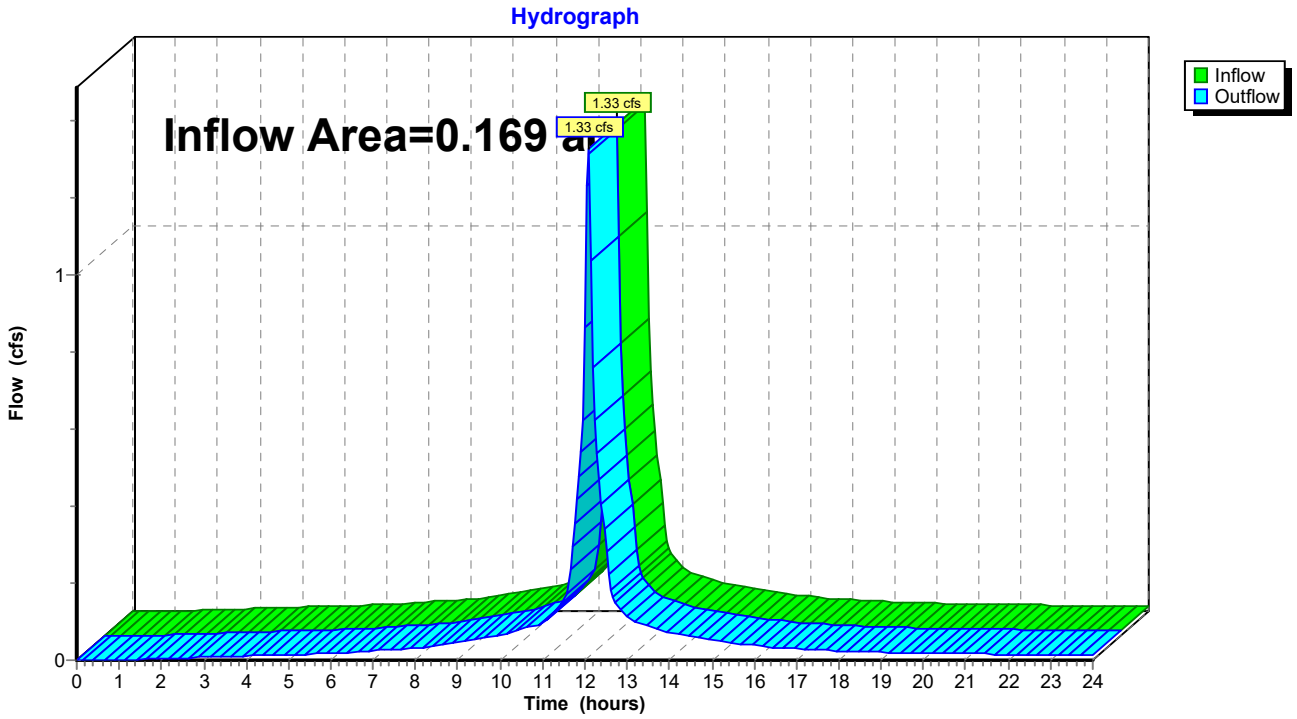


## Summary for Reach DP3:

Inflow Area = 0.169 ac, 83.20% Impervious, Inflow Depth > 7.75" for 100-yr event
Inflow = 1.33 cfs @ 12.09 hrs, Volume= 0.109 af
Outflow = 1.33 cfs @ 12.09 hrs, Volume= 0.109 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

## Reach DP3:

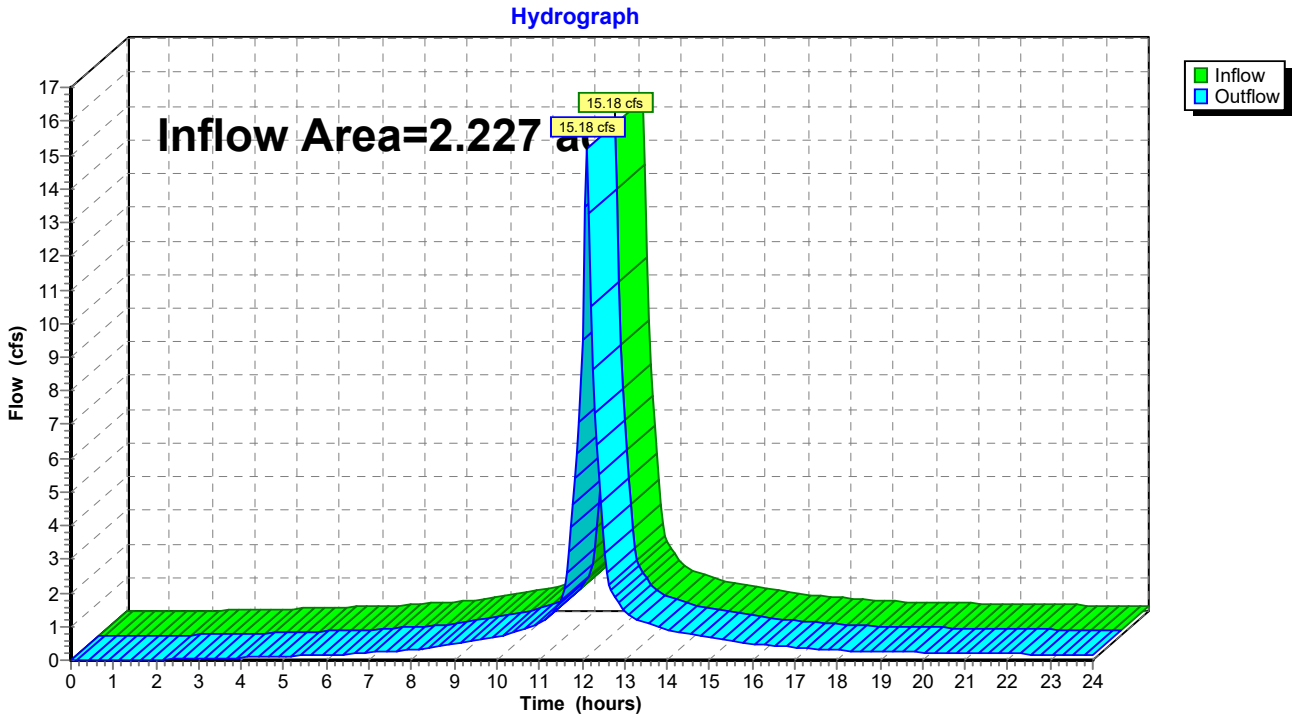


## Summary for Reach DP4:

Inflow Area = 2.227 ac, 58.06% Impervious, Inflow Depth > 7.00" for 100-yr event
Inflow = 15.18 cfs @ 12.10 hrs, Volume= 1.299 af
Outflow = 15.18 cfs @ 12.10 hrs, Volume= 1.299 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs

## Reach DP4:



## Summary for Pond 1P: HYDRO 3

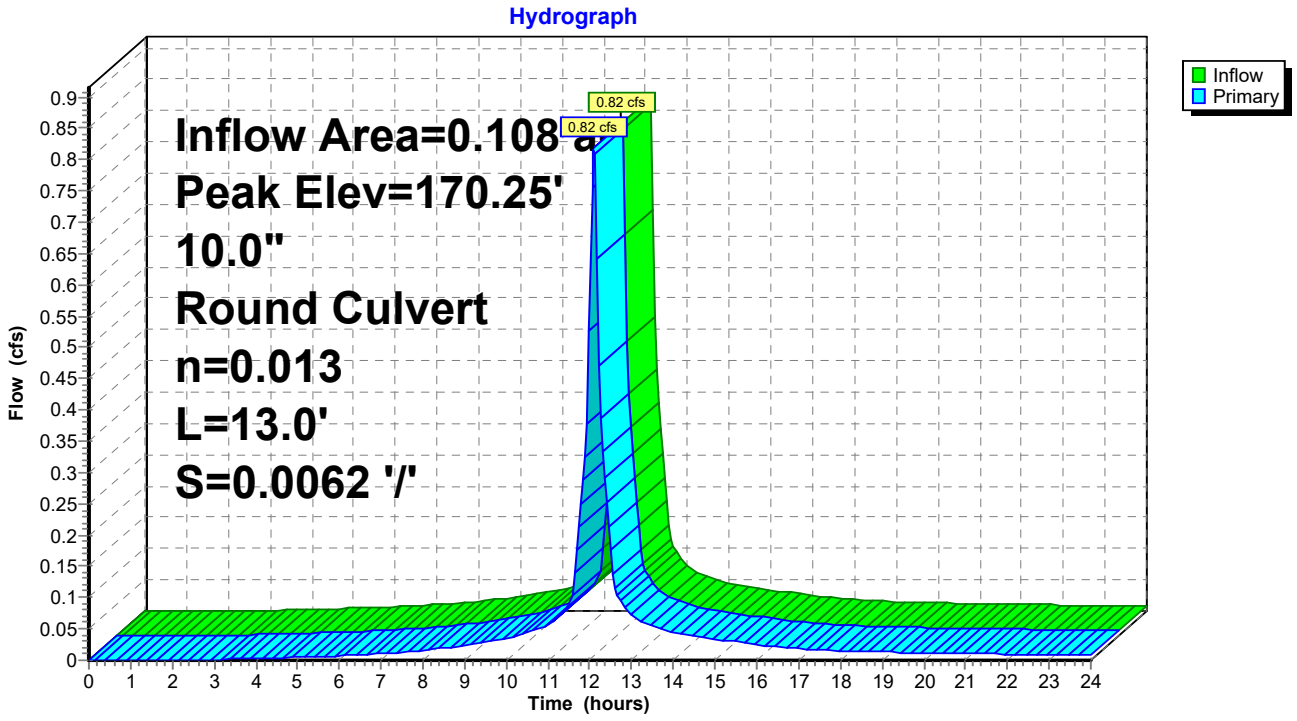
Inflow Area = 0.108 ac, 47.67% Impervious, Inflow Depth > 7.15" for 100-yr event
Inflow = 0.82 cfs @ 12.09 hrs, Volume= 0.064 af
Outflow = 0.82 cfs @ 12.09 hrs, Volume= 0.064 af, Atten= 0%, Lag= 0.0 min
Primary = 0.82 cfs @ 12.09 hrs, Volume= 0.064 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 170.25' @ 12.10 hrs
Flood Elev= 172.60'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 169.58' | **10.0" Round Culvert**<br>L= 13.0' CPP, square edge headwall, Ke= 0.500<br>Inlet / Outlet Invert= 169.58' / 169.50' S= 0.0062 '/' Cc= 0.900<br>n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.55 sf |

**Primary OutFlow** Max=0.76 cfs @ 12.09 hrs HW=170.25' TW=170.09' (Dynamic Tailwater)
**1=Culvert** (Outlet Controls 0.76 cfs @ 2.23 fps)

### Pond 1P: HYDRO 3



## Summary for Pond 2P: Bioretention

Inflow Area = 0.108 ac, 47.67% Impervious, Inflow Depth > 7.15" for 100-yr event
Inflow = 0.82 cfs @ 12.09 hrs, Volume= 0.064 af
Outflow = 0.80 cfs @ 12.11 hrs, Volume= 0.050 af, Atten= 2%, Lag= 1.1 min
Primary = 0.80 cfs @ 12.11 hrs, Volume= 0.050 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 170.10' @ 12.11 hrs Surf.Area= 789 sf Storage= 685 cf
Flood Elev= 171.00' Surf.Area= 1,101 sf Storage= 1,538 cf

Plug-Flow detention time= 135.7 min calculated for 0.050 af (78% of inflow)
Center-of-Mass det. time= 58.2 min ( 829.6 - 771.4 )

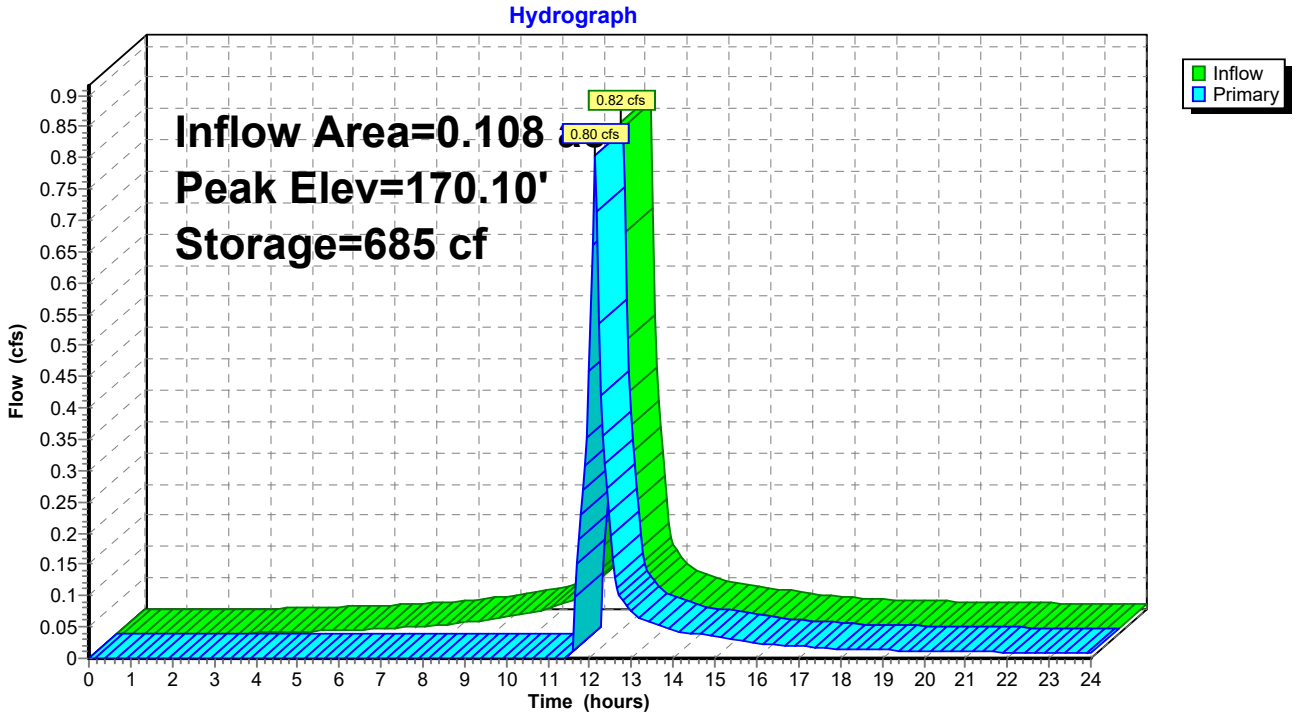
| Volume | Invert | Avail.Storage | Storage Description |
|---|---|---|---|
| #1 | 169.00' | 1,538 cf | **Custom Stage Data (Prismatic)** Listed below (Recalc) |

| Elevation (feet) | Surf.Area (sq-ft) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
|---|---|---|---|
| 169.00 | 464 | 0 | 0 |
| 170.00 | 755 | 610 | 610 |
| 171.00 | 1,101 | 928 | 1,538 |

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 164.95' | **12.0" Round Culvert**<br>L= 47.8' CPP, square edge headwall, Ke= 0.500<br>Inlet / Outlet Invert= 164.95' / 164.71' S= 0.0050 '/' Cc= 0.900<br>n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |
| #2 | Device 1 | 170.00' | **24.0" x 24.0" Horiz. Orifice/Grate** C= 0.600<br>Limited to weir flow at low heads |

**Primary OutFlow** Max=0.79 cfs @ 12.11 hrs HW=170.10' TW=164.99' (Dynamic Tailwater)
↑**1=Culvert** (Passes 0.79 cfs of 7.62 cfs potential flow)
↑**2=Orifice/Grate** (Weir Controls 0.79 cfs @ 1.02 fps)

## Pond 2P: Bioretention



## Summary for Pond 3P: Infiltrator 1

Inflow Area = 0.063 ac,100.00% Impervious, Inflow Depth > 7.99" for 100-yr event
Inflow = 0.50 cfs @ 12.09 hrs, Volume= 0.042 af
Outflow = 0.29 cfs @ 12.22 hrs, Volume= 0.027 af, Atten= 43%, Lag= 7.9 min
Discarded = 0.01 cfs @ 6.15 hrs, Volume= 0.011 af
Primary = 0.28 cfs @ 12.22 hrs, Volume= 0.017 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 161.34' @ 12.22 hrs Surf.Area= 506 sf Storage= 768 cf
Flood Elev= 161.50' Surf.Area= 506 sf Storage= 816 cf

Plug-Flow detention time= 163.5 min calculated for 0.027 af (64% of inflow)
Center-of-Mass det. time= 57.8 min ( 798.2 - 740.4 )

| Volume | Invert | Avail.Storage | Storage Description |
|---|---|---|---|
| #1A | 159.00' | 487 cf | **15.75'W x 32.10'L x 3.50'H Field A**<br>1,769 cf Overall - 551 cf Embedded = 1,218 cf x 40.0% Voids |
| #2A | 159.50' | 551 cf | **ADS_StormTech SC-740 +Cap** x 12 Inside #1<br>Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf<br>Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap<br>3 Rows of 4 Chambers |
| | | 1,038 cf | Total Available Storage |

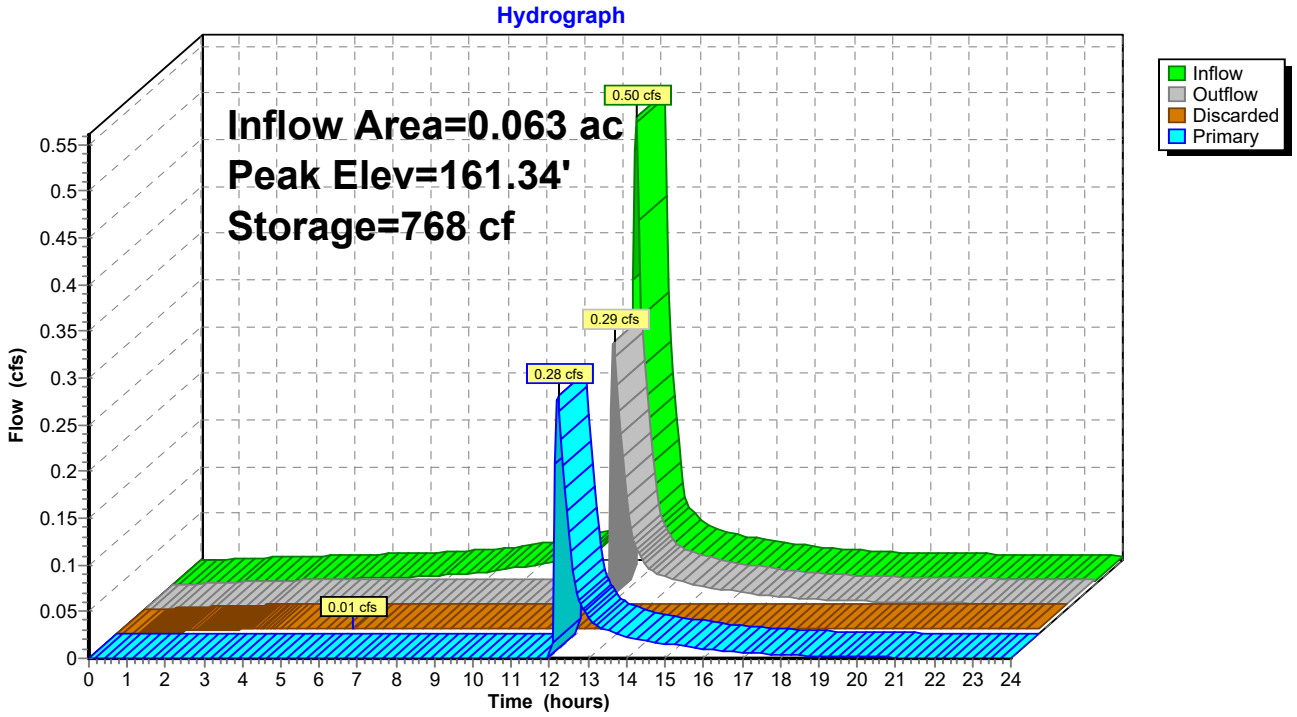
Storage Group A created with Chamber Wizard

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Discarded | 159.00' | **0.500 in/hr Exfiltration over Surface area** |
| #2 | Primary | 161.00' | **6.0" Round Culvert**<br>L= 58.0' CPP, square edge headwall, Ke= 0.500<br>Inlet / Outlet Invert= 161.00' / 156.45' S= 0.0784 '/' Cc= 0.900<br>n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf |

**Discarded OutFlow** Max=0.01 cfs @ 6.15 hrs HW=159.04' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

**Primary OutFlow** Max=0.27 cfs @ 12.22 hrs HW=161.33' TW=157.82' (Dynamic Tailwater)
└**2=Culvert** (Inlet Controls 0.27 cfs @ 1.96 fps)

## Pond 3P: Infiltrator 1



## Summary for Pond 6P: CB1-CB3

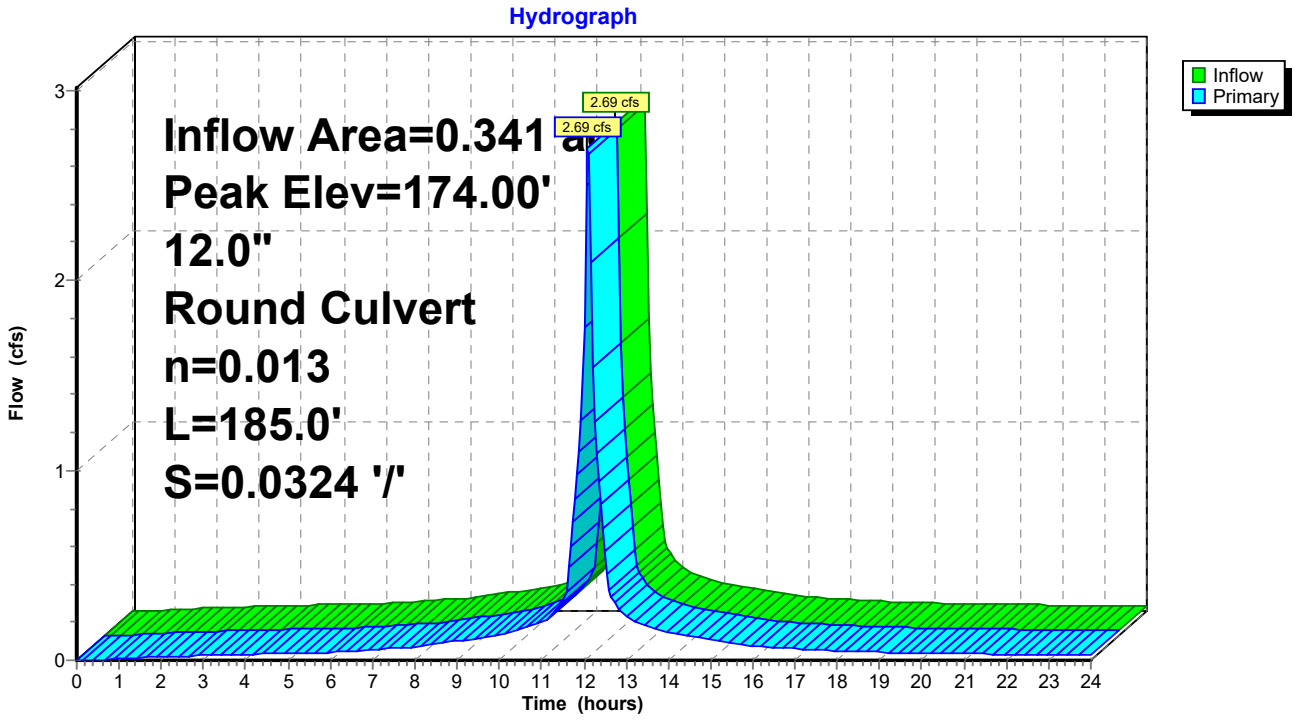
Inflow Area = 0.341 ac,100.00% Impervious, Inflow Depth > 7.99" for 100-yr event
Inflow = 2.69 cfs @ 12.09 hrs, Volume= 0.227 af
Outflow = 2.69 cfs @ 12.09 hrs, Volume= 0.227 af, Atten= 0%, Lag= 0.0 min
Primary = 2.69 cfs @ 12.09 hrs, Volume= 0.227 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 174.00' @ 12.09 hrs
Flood Elev= 176.90'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 173.00' | **12.0" Round Culvert**<br>L= 185.0' CPP, square edge headwall, Ke= 0.500<br>Inlet / Outlet Invert= 173.00' / 167.00' S= 0.0324 '/' Cc= 0.900<br>n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

**Primary OutFlow** Max=2.63 cfs @ 12.09 hrs HW=173.98' TW=168.53' (Dynamic Tailwater)
**1=Culvert** (Inlet Controls 2.63 cfs @ 3.37 fps)

### Pond 6P: CB1-CB3



## Summary for Pond 7P: YD1-YD2

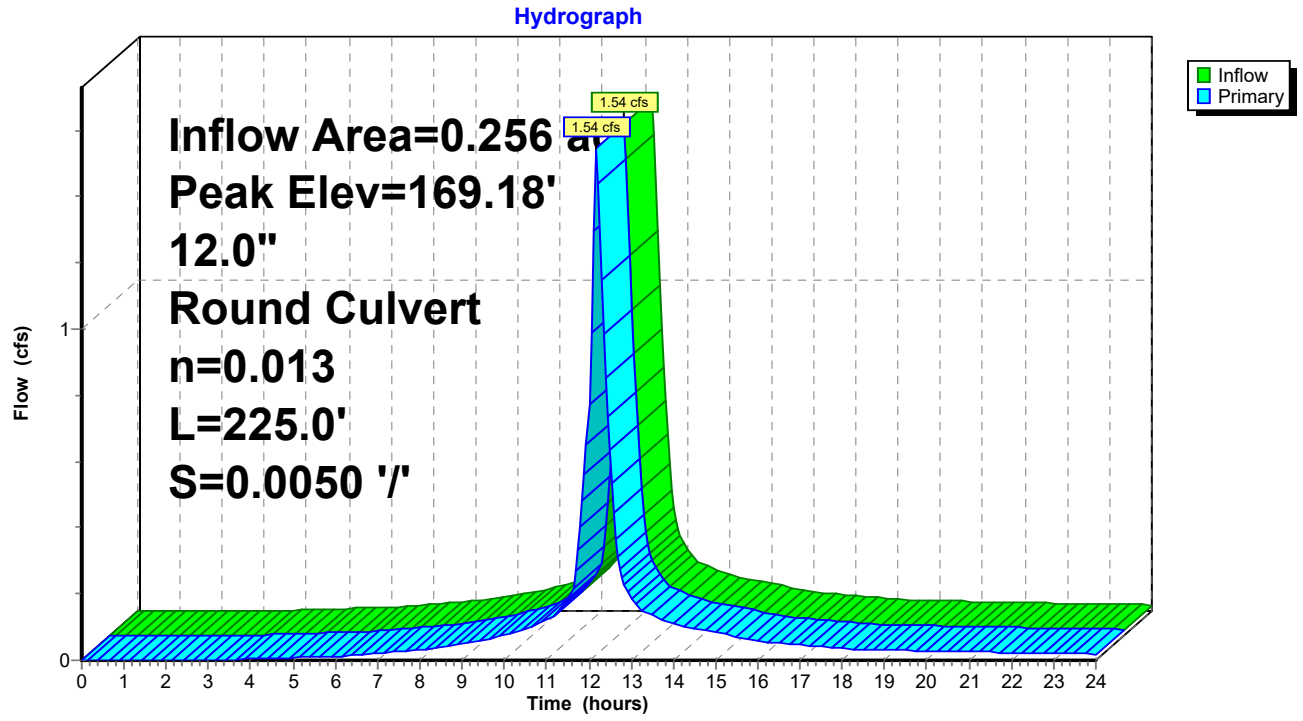
Inflow Area = 0.256 ac, 35.85% Impervious, Inflow Depth > 6.90" for 100-yr event
Inflow = 1.54 cfs @ 12.18 hrs, Volume= 0.147 af
Outflow = 1.54 cfs @ 12.18 hrs, Volume= 0.147 af, Atten= 0%, Lag= 0.0 min
Primary = 1.54 cfs @ 12.18 hrs, Volume= 0.147 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 169.18' @ 12.16 hrs
Flood Elev= 171.75'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 168.13' | **12.0" Round Culvert**<br>L= 225.0' CPP, square edge headwall, Ke= 0.500<br>Inlet / Outlet Invert= 168.13' / 167.00' S= 0.0050 '/' Cc= 0.900<br>n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

**Primary OutFlow** Max=1.77 cfs @ 12.18 hrs HW=169.13' TW=168.28' (Dynamic Tailwater)
**1=Culvert** (Outlet Controls 1.77 cfs @ 2.80 fps)

### Pond 7P: YD1-YD2



## Summary for Pond 8P: HYDRO 1

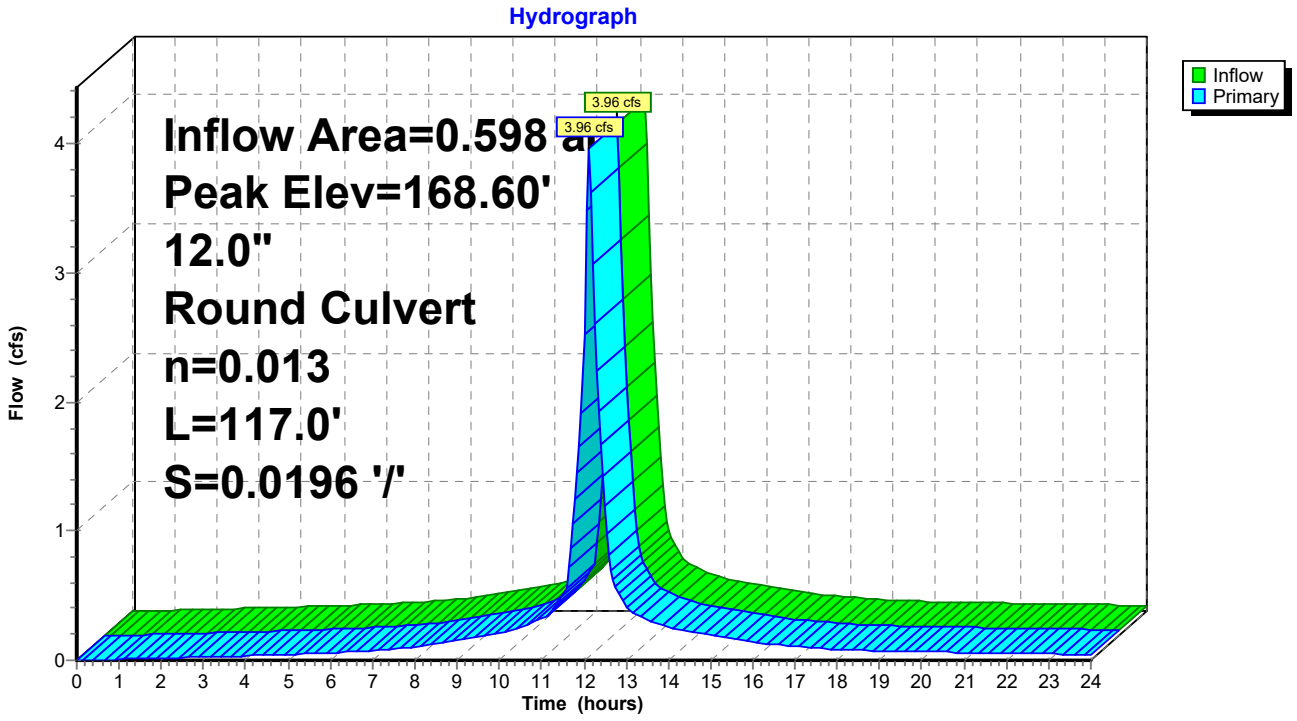
Inflow Area = 0.598 ac, 72.50% Impervious, Inflow Depth > 7.52" for 100-yr event
Inflow = 3.96 cfs @ 12.10 hrs, Volume= 0.374 af
Outflow = 3.96 cfs @ 12.10 hrs, Volume= 0.374 af, Atten= 0%, Lag= 0.0 min
Primary = 3.96 cfs @ 12.10 hrs, Volume= 0.374 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 168.60' @ 12.10 hrs
Flood Elev= 173.15'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 167.00' | **12.0" Round Culvert**<br>L= 117.0' CPP, square edge headwall, Ke= 0.500<br>Inlet / Outlet Invert= 167.00' / 164.71' S= 0.0196 '/' Cc= 0.900<br>n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

**Primary OutFlow** Max=3.93 cfs @ 12.10 hrs HW=168.58' TW=164.99' (Dynamic Tailwater)
**1=Culvert** (Inlet Controls 3.93 cfs @ 5.01 fps)

### Pond 8P: HYDRO 1



## Summary for Pond 9P: MH5-MH6

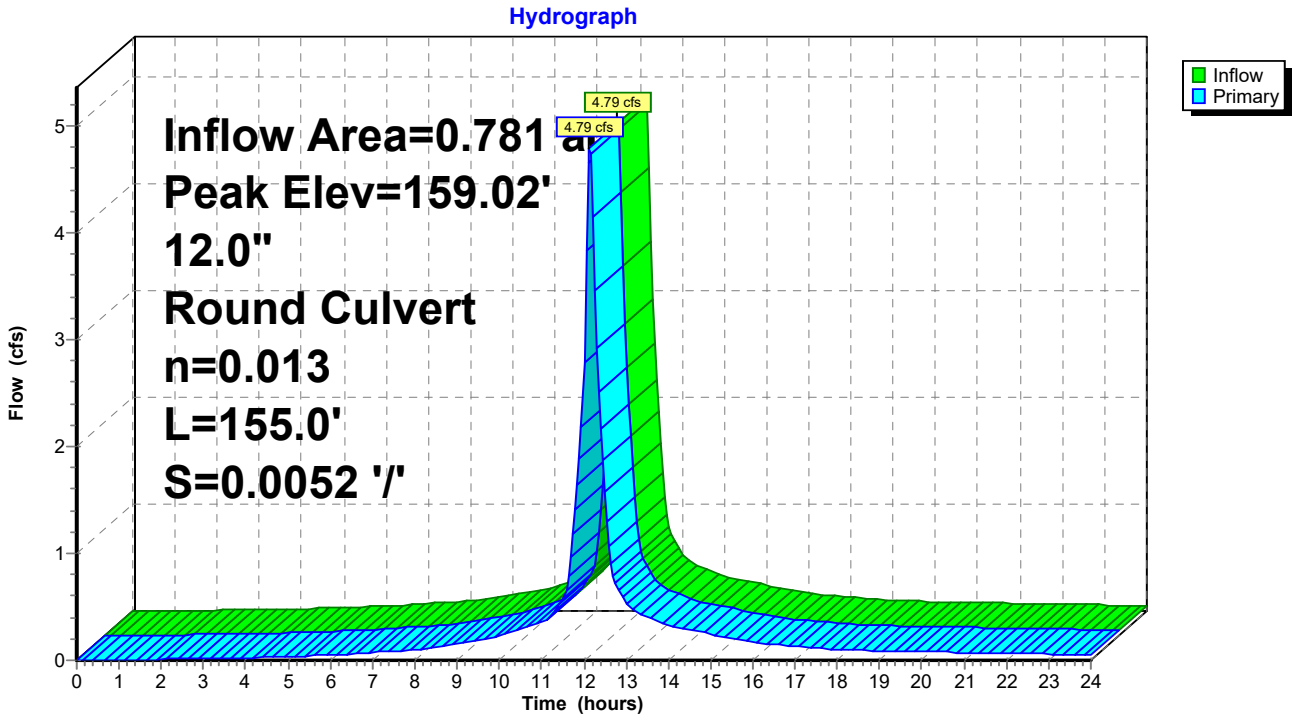
Inflow Area = 0.781 ac, 55.73% Impervious, Inflow Depth > 6.81" for 100-yr event
Inflow = 4.79 cfs @ 12.13 hrs, Volume= 0.443 af
Outflow = 4.79 cfs @ 12.13 hrs, Volume= 0.443 af, Atten= 0%, Lag= 0.0 min
Primary = 4.79 cfs @ 12.13 hrs, Volume= 0.443 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 159.02' @ 12.13 hrs
Flood Elev= 162.50'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 155.15' | **12.0" Round Culvert**<br>L= 155.0' CPP, square edge headwall, Ke= 0.500<br>Inlet / Outlet Invert= 155.15' / 154.35' S= 0.0052 '/' Cc= 0.900<br>n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

**Primary OutFlow** Max=4.71 cfs @ 12.13 hrs HW=158.91' TW=0.00' (Dynamic Tailwater)
**1=Culvert** (Barrel Controls 4.71 cfs @ 6.00 fps)

### Pond 9P: MH5-MH6



## Summary for Pond 14P: HYDRO 2

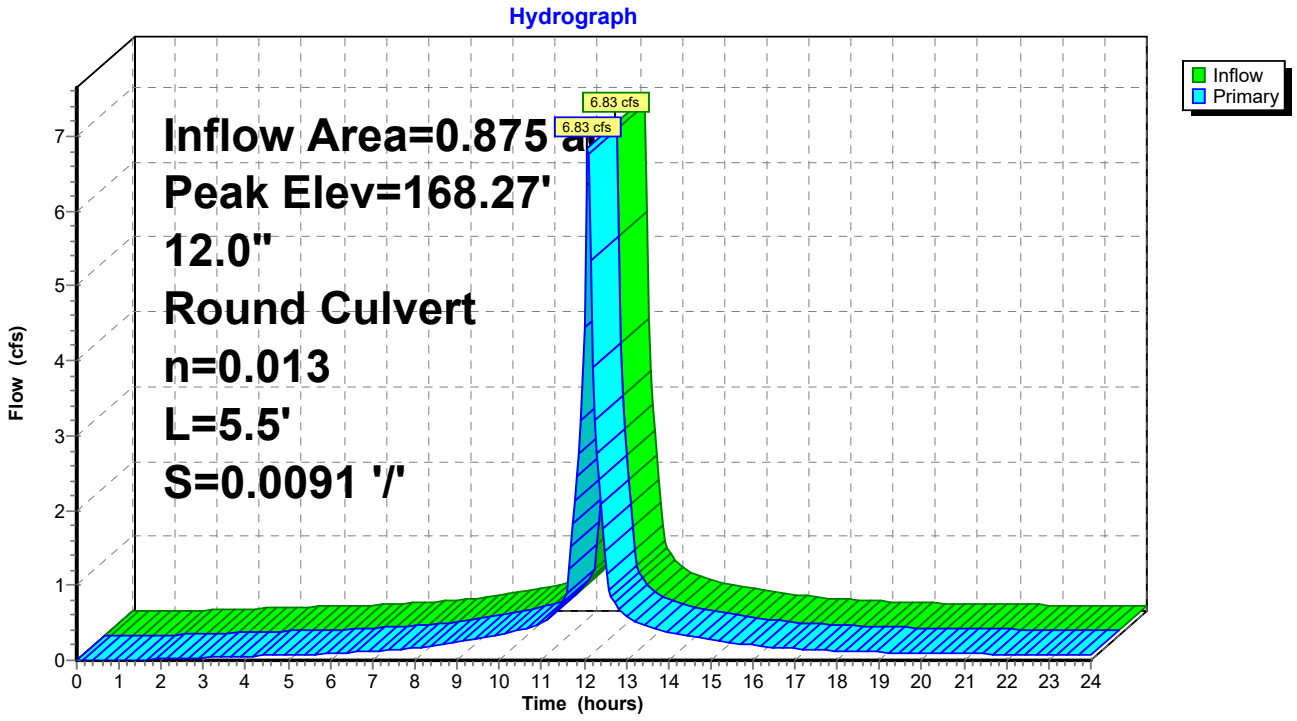
Inflow Area = 0.875 ac, 77.89% Impervious, Inflow Depth > 7.66" for 100-yr event
Inflow = 6.83 cfs @ 12.09 hrs, Volume= 0.559 af
Outflow = 6.83 cfs @ 12.09 hrs, Volume= 0.559 af, Atten= 0%, Lag= 0.0 min
Primary = 6.83 cfs @ 12.09 hrs, Volume= 0.559 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 168.27' @ 12.09 hrs
Flood Elev= 168.75'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 164.55' | **12.0" Round Culvert**<br>L= 5.5' CPP, square edge headwall, Ke= 0.500<br>Inlet / Outlet Invert= 164.55' / 164.50' S= 0.0091 '/' Cc= 0.900<br>n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

**Primary OutFlow** Max=6.38 cfs @ 12.09 hrs HW=168.15' TW=165.30' (Dynamic Tailwater)
**1=Culvert** (Inlet Controls 6.38 cfs @ 8.13 fps)

## Pond 14P: HYDRO 2



## Summary for Pond 15P: MH7

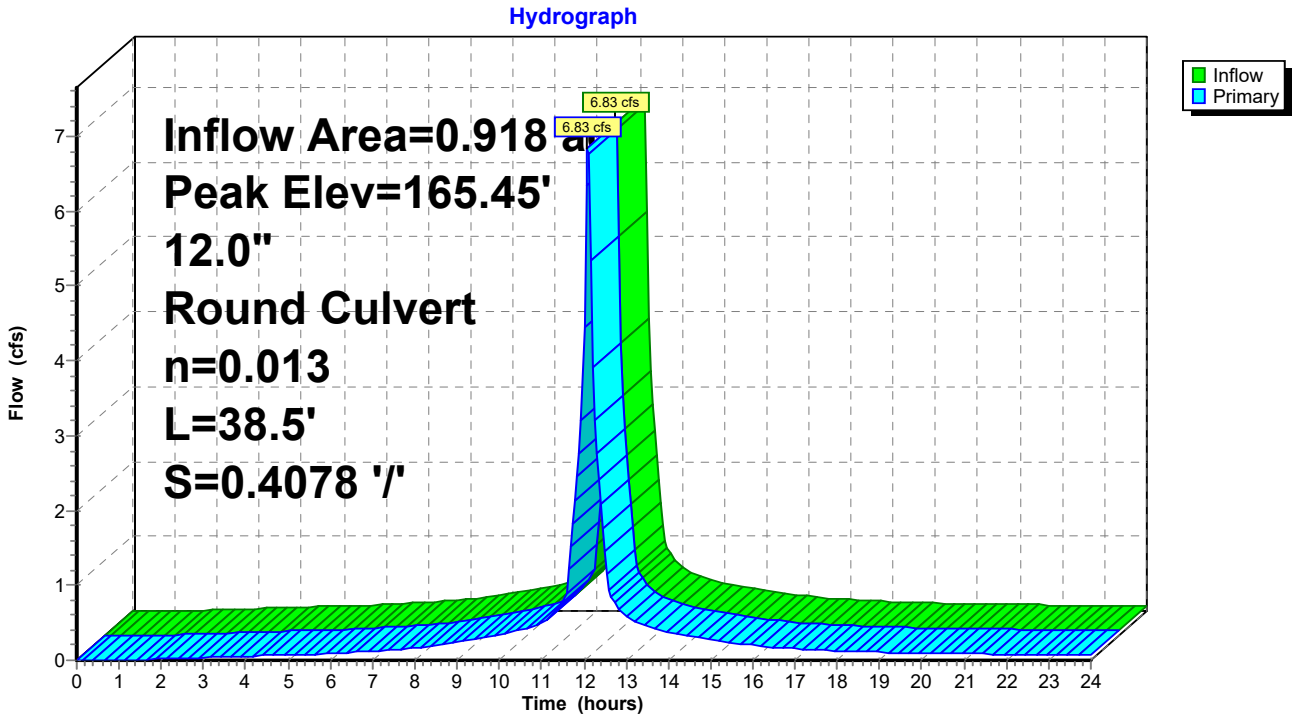
Inflow Area = 0.918 ac, 78.92% Impervious, Inflow Depth > 7.30" for 100-yr event
Inflow = 6.83 cfs @ 12.09 hrs, Volume= 0.559 af
Outflow = 6.83 cfs @ 12.09 hrs, Volume= 0.559 af, Atten= 0%, Lag= 0.0 min
Primary = 6.83 cfs @ 12.09 hrs, Volume= 0.559 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 165.45' @ 12.09 hrs
Flood Elev= 168.00'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 161.70' | **12.0" Round Culvert**<br>L= 38.5' CPP, square edge headwall, Ke= 0.500<br>Inlet / Outlet Invert= 161.70' / 146.00' S= 0.4078 '/' Cc= 0.900<br>n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

**Primary OutFlow** Max=6.65 cfs @ 12.09 hrs HW=165.30' TW=149.86' (Dynamic Tailwater)
**1=Culvert** (Inlet Controls 6.65 cfs @ 8.47 fps)

## Pond 15P: MH7



## Summary for Pond 16P: MH8

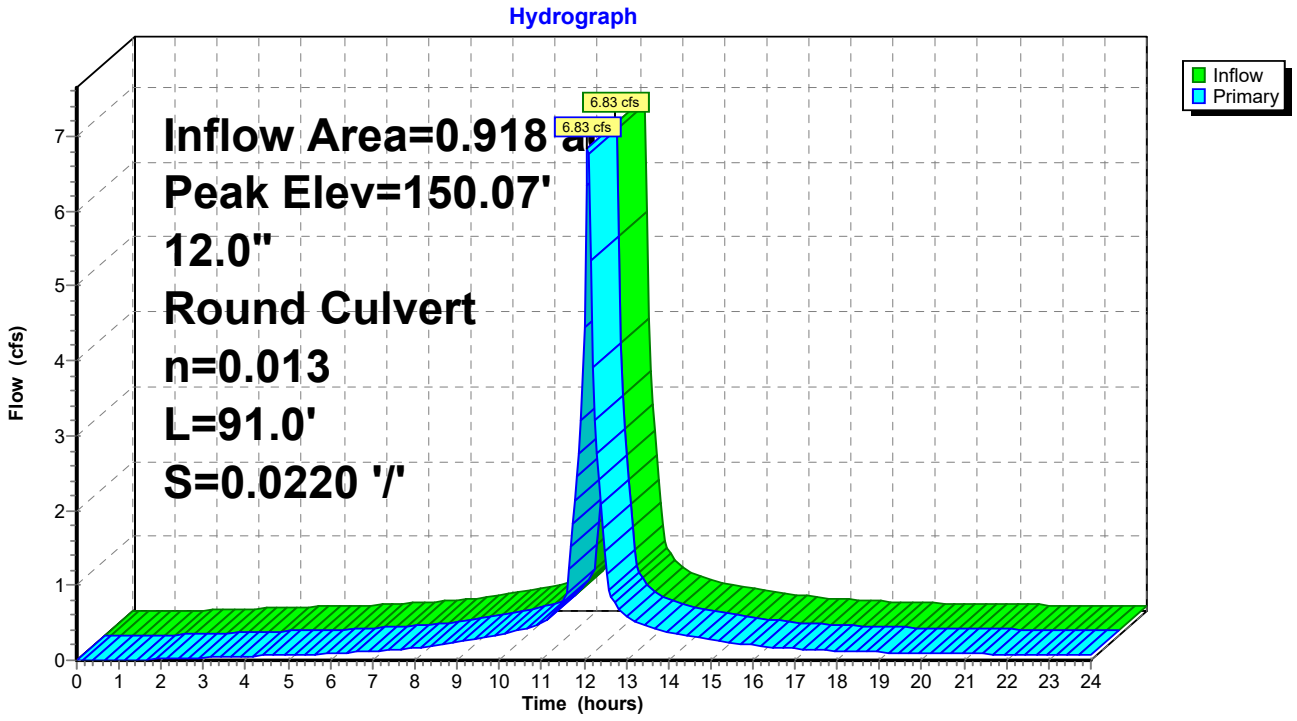
Inflow Area = 0.918 ac, 78.92% Impervious, Inflow Depth > 7.30" for 100-yr event
Inflow = 6.83 cfs @ 12.09 hrs, Volume= 0.559 af
Outflow = 6.83 cfs @ 12.09 hrs, Volume= 0.559 af, Atten= 0%, Lag= 0.0 min
Primary = 6.83 cfs @ 12.09 hrs, Volume= 0.559 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 150.07' @ 12.09 hrs
Flood Elev= 151.50'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 146.00' | **12.0" Round Culvert**<br>L= 91.0' CPP, square edge headwall, Ke= 0.500<br>Inlet / Outlet Invert= 146.00' / 144.00' S= 0.0220 '/' Cc= 0.900<br>n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

**Primary OutFlow** Max=6.65 cfs @ 12.09 hrs HW=149.86' TW=0.00' (Dynamic Tailwater)
**1=Culvert** (Barrel Controls 6.65 cfs @ 8.47 fps)

### Pond 16P: MH8



## Summary for Pond PP-1: Porous Pavement

Inflow Area = 0.043 ac,100.00% Impervious, Inflow Depth > 7.99" for 100-yr event
Inflow = 0.34 cfs @ 12.09 hrs, Volume= 0.029 af
Outflow = 0.02 cfs @ 11.55 hrs, Volume= 0.027 af, Atten= 94%, Lag= 0.0 min
Discarded = 0.02 cfs @ 11.55 hrs, Volume= 0.027 af
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 166.76' @ 13.83 hrs Surf.Area= 1,700 sf Storage= 515 cf
Flood Elev= 170.00' Surf.Area= 1,700 sf Storage= 2,720 cf

Plug-Flow detention time= (not calculated: outflow precedes inflow)
Center-of-Mass det. time= 179.7 min ( 920.2 - 740.4 )

| Volume | Invert | Avail.Storage | Storage Description |
|---|---|---|---|
| #1 | 166.00' | 2,720 cf | **Custom Stage Data (Prismatic)** Listed below (Recalc)<br>6,800 cf Overall x 40.0% Voids |

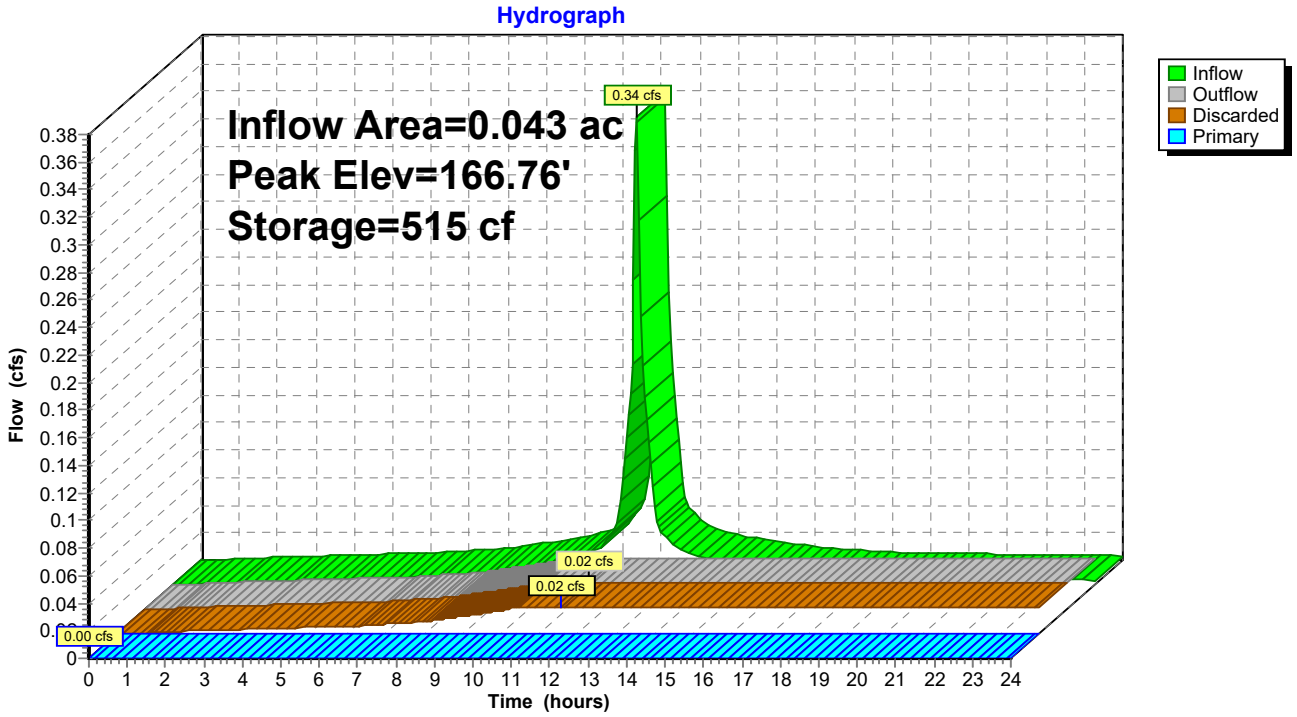
| Elevation (feet) | Surf.Area (sq-ft) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
|---|---|---|---|
| 166.00 | 1,700 | 0 | 0 |
| 170.00 | 1,700 | 6,800 | 6,800 |

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Discarded | 166.00' | **0.500 in/hr Exfiltration over Surface area** |
| #2 | Primary | 165.00' | **6.0" Round Culvert**<br>L= 23.0' CPP, square edge headwall, Ke= 0.500<br>Inlet / Outlet Invert= 165.00' / 164.25' S= 0.0326 '/' Cc= 0.900<br>n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf |
| #3 | Device 2 | 169.67' | **4.0" Vert. Orifice/Grate** C= 0.600 |

**Discarded OutFlow** Max=0.02 cfs @ 11.55 hrs HW=166.05' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.02 cfs)

**Primary OutFlow** Max=0.00 cfs @ 0.00 hrs HW=166.00' TW=161.70' (Dynamic Tailwater)
└**2=Culvert** (Passes 0.00 cfs of 0.82 cfs potential flow)
└**3=Orifice/Grate** ( Controls 0.00 cfs)

## Pond PP-1: Porous Pavement



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# Appendix K:
# Project Evaluation and Design Calculations

**Appendix K - Table A**
**Step 1 - Evaluation of Green Infrastructure Planning Measures**

| Group | Practice | Description | Applicable | Project Specific Evaluation |
|---|---|---|---|---|
| Preservation of Natural Resources | **Preservation of Undisturbed Areas** | Delineate and place into permanent conservation undisturbed forests, native vegetated areas, riparian corridors, wetlands, and natural terrain. | **No** | The proposed site layout has been designed to limit land disturbance to the greatest extent practical. The project does not propose permanent conservation of this area at this time. |
| | **Preservation of Buffers** | Define, delineate and preserve naturally vegetated buffers along perennial streams, rivers, shorelines and wetlands. | **No** | There are no streams, rivers, shorelines, or wetlands on site. |
| | **Reduction of Clearing and Grading** | Limit clearing and grading to the minimum amount needed for roads, driveways, foundations, utilities and stormwater management facilities. | **No** | As a Redevelopment Project, the majority of the land in question had been previously cleared or graded for construction of the existing buildings, roadways, etc. Site clearing and grading required for redevelopment will be minor in nature. |
| | **Locating Development in Less Sensitive Areas** | Avoid sensitive resource areas such as floodplains, steep slopes, erodible soils, wetlands, mature forests and critical habitats by locating development to fit the terrain in areas that will create the least impact. | **No** | The site layout has been designed to avoid sensitive resource areas to the greatest extent practical. Portions of the existing development were constructed in areas containing steep slopes. |
| | **Open Space Design** | Use clustering, conservation design or open space design to reduce impervious cover, preserve more open space and protect water resources. | **Yes** | The minimum drive aisle and parking space dimensions have been used to reduce the amount of impervious area. This site reduces overall impervious area. |
| | **Soil Restoration** | Restore the original properties and porosity of the soil by deep till and amendment with compost to reduce the generation of runoff and enhance the runoff reduction performance of practices such as downspout disconnections, grass channels, filter strips, and tree clusters. | **Yes** | Full soil restoration is proposed for all areas of disturbance that will not become hardscape. All areas will be stabilized with seed & mulch, and landscaped areas will be provided. |
| Reduction of Impervious Cover | **Roadway Reduction** | Minimize roadway widths and lengths to reduce site impervious area | **N/A** | No roadway proposed. |
| | **Sidewalk Reduction** | Minimize sidewalk lengths and widths to reduce site impervious area | **Yes** | Sidewalk widths and lengths have been minimized to the greatest extent practical. |
| | **Driveway Reduction** | Minimize driveway lengths and widths to reduce site impervious area | **No** | No new driveways are proposed as part of this project. |
| | **Cul-de-sac Reduction** | Minimize the number of cul-de-sacs and incorporate landscaped areas to reduce their impervious cover. | **N/A** | No cul-de-sacs are proposed as part of this project. |
| | **Building Footprint Reduction** | Reduce the impervious footprint of residences and commercial buildings by using alternate or taller buildings while maintaining the same floor to area ratio. | **Yes** | This project removes multiple existing buildings and proposes one building with a smaller footprint than the combined footprint of the various existing buildings. |
| | **Parking Reduction** | Reduce imperviousness on parking lots by eliminating unneeded spaces, providing compact car spaces and efficient parking lanes, minimizing stall dimensions, using porous pavement surfaces in overflow parking areas, and using multi-storied parking decks where appropriate. | **No** | This porject includes the construction of a parking lot for the near by rail trail. |

**Appendix K - Table B**
**Step 2 - Determine Water Quality Treatment Volume (WQv)**

| Determine Pre- and Post-Development Impervious Cover Areas | | | | |
|---|---|---|---|---|
| Watershed Pre-Development Impervious Area: | 130,019 | sf = | 2.98 | ac |
| Watershed Post-Development Impervious Area: | 107,913 | sf = | 2.48 | ac |
| Total Area Within Work Limits: | 172,518 | sf = | 3.96 | ac |
| Existing Disturbed Impervious Area: | 51,671 | sf = | 1.19 | ac |
| New Development Impervious Area: | 0 | sf = | 0.00 | **ac** |
| Redevelopment Impervious Area: | 51,671 | sf = | **1.19** | **ac** |

| Determine the Initial Water Quality Volume (WQv) | | | | |
|---|---|---|---|---|
| WQv(acre-feet) = [(P)(Rv)(A)] /12 | | | | |
| Rv = 0.05+0.009(I) | | | | |
| I = Impervious Cover (%) | | | | |
| P = | 1.35 | *inch* | | |
| I = | 30% | | | |
| Rv = | 0.320 | | | |
| Initial WQv = | 6,202 | cf = | 0.142 | ac-ft |

## Appendix K - Table C
## Step 3 - Determine Minimum Required Runoff Reduction Volume (RRv)

Section 4.3 of the NYSDEC Stormwater Management Design Manual describes the Runoff Reduction Volume equation as:

**RRv = (P x Rv* x Ai) / 12**

where: RRv = Runoff Reduction Volume (acre-feet)
P = 90% Rainfall Event Number (inches) (interpolated from Design Manual Fig 4.1)
Rv = 0.05 + 0.009 (I), where I is 100% impervious = 0.95 constant
Ai = (S x Aic) = Impervious cover targeted for runoff reduction
Aic = Total area of new impervious cover (acres)
S = Hydrologic Soil Group (HSG) Specific Reduction Factor
where:

| | | | |
|---|---|---|---|
| HSG A= | 0.55 | HSG C= | 0.30 |
| HSG B= | 0.40 | HSG D= | 0.20 |

The following table presents the RRv calculations for each of the proposed stormwater management

**Enter the Soils Data for the site**

| Soil Group | Acres | S |
|---|---|---|
| A | 0.00 | 0.55 |
| B | 0.00 | 0.40 |
| C | 0.00 | 0.30 |
| D | 3.96 | 0.20 |
| Total Area | 3.96 | acres |

**Calculate the Minimum RRv**

| | | |
|---|---|---|
| S = | **0.20** | |
| Imperviou s = | 0.00 | *acre* |
| Precipitati on | 1.35 | *in* |
| Rv | 0.95 | |
| **Minimum RRv** | **0** | ***ft*** $^{3}$ |
| | 0.000 | af |

**Appendix K - Table D**
**Step 3 - Evaluation of Runoff Reduction Techniques and Standard SMPs with RRv Capacity**

| Design Variant | Practice | Description | Applicable | Project Specific Evaluation/Justification |
|---|---|---|---|---|
| *RR-1* | **Conservation of Natural Areas** | Retain the pre-development hydrologic and water quality characteristics of undisturbed natural areas, stream and wetland buffers by restoring and/or permanently conserving these areas on a site. | **No** | The project site does not contain any significant natural resources. The majority of the site has been previously disturbed. |
| *RR-2* | **Sheet flow to Riparian Buffers or Filter Strips** | Undisturbed natural areas such as forested conservation areas and stream buffers or vegetated filter strips and riparian buffers can be used to treat and control stormwater runoff from portions of development. | **No** | No untreated sheet flow is proposed to flow to the riparian areas from the proposed layout. |
| *RR-3* | **Tree Planting/ Tree Pit** | Plant or conserve trees to reduce stormwater runoff, increase nutrient uptake, and provide bank stabilization. Trees can be used for applications such as landscaping, stormwater management practice areas, and conservation areas. | **No** | The project proposes the preservation of existing mature trees, as well as the planting of trees throughout the site. However, credit for these trees will not be taken toward an area reduction in the RRv calculations. |
| *RR-4* | **Disconnection of Rooftop Runoff** | Direct runoff from residential rooftop areas and upland overland runoff flow to designated pervious areas to reduce runoff volumes and rates. | **No** | Rooftop disconnect is not applicable, since this is a commercial building project. |
| *RR-5* | **Vegetated Swale** | The natural drainage paths, or properly designed vegetated channels, can be used instead of constructing underground storm sewers or concrete open channels to increase time of concentration, reduce the peak discharge, and provide infiltration. | **No** | There is no adequate space in the disturbaed area for a vegetated swale. |
| *RR-6* | **Rain Garden** | Manage and treat small volumes of stormwater runoff using a conditioned planting soil bed and planting materials to filter runoff stored within a shallow depression. | **No** | Due to the limited tributary area to rain gardens (less than or equal to 1,000SF), a bioretention facility will be implemented instead of rain gardens. |
| *RR-7* | **Stormwater Planter** | Small landscaped stormwater treatment devices that can be designed as infiltration or filtering practices. Stormwater planters use soil infiltration and biogeochemical processes to decrease stormwater quantity and improve water quality. | **No** | The stormwater management approach for this project is intended to provide a more natural aesthetic. Since, stormwater planters have significant maintenance considerations and a more structured aesthetic, they have not been proposed for this project. |
| *RR-8* | **Rain Barrels/ Cisterns** | Capture and store stormwater runoff to be used for irrigation systems or filtered and reused for non-contact activities. | **No** | Rain Barrels/Cisterns are not proposed on-site due to the need for active management/maintenance and initial capital cost. In addition, the cold climate of the project area would require additional protection measures from freezing. |
| *RR-9* | **Porous Pavement** | Pervious types of pavements that provide an alternative to conventional paved surfaces, designed to infiltrate rainfall through the surface, thereby reducing stormwater runoff from a site and providing some pollutant uptake in the underlying soils. | **No** | Porous pavement is proposed as part of this project, however credit is not be taken. |
| *RR-10* | **Green Roof** | Capture runoff by a layer of vegetation and soil installed on top of a conventional flat or sloped roof. The rooftop vegetation allows evaporation and evapotranspiration processes to reduce volume and discharge rate of runoff entering conveyance system. | **Yes** | Green roofs are being used on-site, and have been included in the stormwater design. |

| | | | | |
|---|---|---|---|---|
| | **Stream Daylighting** | Stream Daylight previously-culverted/piped streams to restore natural habitats, better attenuate runoff by increasing the storage size, promoting infiltration, and help reduce pollutant loads. | **No** | No stream daylighting opportunities are present on this site. |
| *I-1* | **Infiltration Trench** | Excavated, stone-filled trenches designed to capture and temporarily store runoff in the stone reservoir to promote infiltration. Can be constructed as sheet flow to a ground surface depression or piped flow discharged directly into the trench. | **No** | Infiltration is not proposed due to poor draining soils. |
| *I-2* | **Infiltration Basin** | Vegetated excavations designed to capture and infiltrate the WQv. Can be designed off-line to bypass larger flows to downstream flood control facilities or as combined infiltration/flood control facilities by providing temporary detention ponding. | **No** | Infiltration is not proposed due to poor draining soils. |
| *I-3* | **Dry Wells** | Underground structures designed to capture, treat, and infiltrate runoff from small drainage areas (rooftop only) that have low sediment or pollutant loadings. Larger stormwater volumes can be bypassed directly to a flood control facility. | **No** | Infiltration is not proposed due to poor draining soils. |
| *I-4* | **Underground Infiltration Systems** | Underground, proprietary systems designed to capture and infiltrate the WQv, reduce runoff, remove fine sediment and associated pollutants, recharge groundwater, and attenuate peak flows. | **Yes** | Infiltration is proposed for some of the roof runoff. |
| *F-5* | **Bioretention** | Shallow landscaped depressions where stormwater flows into the practice, ponds at the surface, and gradually filters through the media to remove pollutants. Filtered runoff can either infiltrate into the surrounding soil, or be collected by an underdrain system and discharged to the storm sewer system or directly to receiving waters. | **Yes** | Bioretention has been applied to this project. |
| *O-1* | **Dry Swale** | Designed to temporarily hold the WQv in a pool or series of pools created by permanent check dams. The soil bed consists of native soils or highly permeable fill material, underlain by an underdrain system. Pollutants are removed through sedimentation, nutrient uptake, and infiltration. | **No** | Dry swales are not proposed. |

**Appendix K - Table E**

**Summary Table: Runoff Reduction Volume and Treated volumes**

| | Runoff Reduction Techiques/Standard SMPs | | Total Contributing Area | Total Contributing Impervious Area | WQv Reduced (RRv) | WQv Treated |
|---|---|---|---|---|---|---|
| | | | (acres) | (acres) | cf | cf |
| Area/Volume Reduction | Conservation of Natural Areas | RR-1 | 0.00 | 0.00 | | |
| | Sheetflow to Riparian Buffers/Filter Strips | RR-2 | 0.00 | 0.00 | | |
| | Tree Planting/Tree Pit | RR-3 | 0.07 | 0.00 | | |
| | Disconnection of Rooftop Runoff | RR-4 | 0.00 | 0.00 | | |
| | Vegetated Swale | RR-5 | 0.00 | 0.00 | 0 | |
| | Rain Garden | RR-6 | 0.00 | 0.00 | 0 | |
| | Stormwater Planter | RR-7 | 0.00 | 0.00 | 0 | |
| | Rain Barrel/Cistern | RR-8 | 0.00 | 0.00 | 0 | |
| | Porous Pavement | RR-9 | 0.00 | 0.00 | 0 | |
| | Green Roof (Intensive & Extensive) | RR-10 | 0.09 | 0.09 | 408 | |
| Standard SMPs w/RRv Capacity | Infiltration Trench | I-1 | 0.00 | 0.00 | 0 | 0 |
| | Infiltration Basins | I-2 | 0.00 | 0.00 | 0 | 0 |
| | Dry Well | I-3 | 0.00 | 0.00 | 0 | 0 |
| | Underground Infiltration System | I-4 | 0.09 | 0.09 | 405 | 405 |
| | Bioretention | F-5 | 0.11 | 0.05 | 217 | 326 |
| | Dry Swale | O-1 | 0.00 | 0.00 | 0 | 0 |
| Standard SMPs | Micropool Extended Detention (P-1) | P-1 | 0.00 | 0.00 | | 0 |
| | Wet Pond (P-2) | P-2 | 0.00 | 0.00 | | 0 |
| | Wet Extended Detention (P-3) | P-3 | 0.00 | 0.00 | | 0 |
| | Multiple Pond System (P-4) | P-4 | 0.00 | 0.00 | | 0 |
| | Pocket Pond (P-5) | P-5 | 0.00 | 0.00 | | 0 |
| | Surface Sand Filter (F-1) | F-1 | 0.00 | 0.00 | | 0 |
| | Underground Sand Filter (F-2) | F-2 | 0.00 | 0.00 | | 0 |
| | Perimeter Sand Filter (F-3) | F-3 | 0.00 | 0.00 | | 0 |
| | Organic Filter (F-4) | F-4 | 0.00 | 0.00 | | 0 |
| | Shallow Wetland (W-1) | W-1 | 0.00 | 0.00 | | 0 |
| | Extended Detention Wetland (W-2) | W-2 | 0.00 | 0.00 | | 0 |
| | Pond/Wetland System (W-3) | W-3 | 0.00 | 0.00 | | 0 |
| | Pocket Wetland (W-4) | W-4 | 0.00 | 0.00 | | 0 |
| | Wet Swale (O-2) | O-2 | 0.00 | 0.00 | | 0 |
| Alternative Practices | Hydrodynamic Separator | | 1.48 | 1.12 | | 5,304 |
| | Filterra Bioretention System | | 0.00 | 0.00 | | 0 |
| | Wet Vault | | 0.00 | 0.00 | | 0 |
| | Media Filter | | 0.00 | 0.00 | | 0 |
| Totals by Area Reduction | | → | 0.07 | 0.00 | 0 | |
| Totals by Volume Reduction | | → | 0.09 | 0.09 | 408 | |
| Totals by Standard SMP w/RRV | | → | 0.19 | 0.14 | 622 | 731 |
| Totals by Standard SMP | | → | 0.00 | 0.00 | | 0 |
| Totals by Alternative Practices | | → | 1.48 | 1.12 | | 5,304 |
| Totals ( Area + Volume + all SMPs) | | → | 1.83 | 1.35 | **1,030** | **6,035** |

**Appendix A - Table F**
**Practice Specific Sizing Calculation Worksheet**

## BIORETENTION NO. 1 (BIO-1)

| Practice Proposed? | Yes |
|---|---|

**Enter Site Data For Drainage Area to be Treated by Practice**

| Catchment Number | Total Area (Acres) | Impervious Area (Acres) | Percent Impervious % | Rv | WQv ($ft^3$) | Precipitation (in) | Description |
|---|---|---|---|---|---|---|---|
| | 0.11 | 0.05 | 48% | 0.48 | 253 | 1.35 | Bioretention |
| Enter Impervious Area Reduced by Disconnection of Rooftops Within this Catchment: | | 0.00 | 48% | 0.48 | 253 | <<WQv after adjusting for Disconnected Rooftops | |
| Reduced by Tree Planting: | 0.00 | 0.00 | 48% | 0.48 | 253 | <<WQv after adjusting for Tree Planting | |
| Enter the portion of the WQv that is not reduced for all practices routed to this practice: | | | | | 0 | $ft^3$ | |

**Determine Required Water Quality Volume**

**WQv = (P/12) * Rv * A**

where: WQv = Water Quality Volume (acre-feet)
P = 1-year 24-hour design storm (inches)
Rv = 0.05 + 0.009 (I); min Rv = 0.2
I = Impervious Cover (%) within the drainage area contributing to the SWM practice
A = Drainage area (square feet) contributing to the SWM practice

| **WQv =** | **253** | **CF** |
|---|---|---|

**Value taken from Appendix K - Table B*

**Calculate Required Filter Bed Area**

**Af=(WQv)*(df)/[(k)*(hf+df)*(tf)]**

where: Af = Surface area of filter bed (SF)
WQv = Required Water Quality Volume (CF)
df = Filter bed depth (ft)
k = Coefficient of permeability of filter media (ft/day)
hf = Average height of water above filter bed (ft)
tf = Design filter bed drain time (days)

| SMP ID | WQv (cubic feet) | df (feet) | k (ft/day) | hf (feet) | tf (days) | Minimum Af (sq-ft) | Provided Af (sq-ft) |
|---|---|---|---|---|---|---|---|
| BIO-1 | 253 | 2.5 | 0.5 | 0.25 | 2.0 | 230 | 464 |

**Calculate Provided Water Quality Volume**

**WQv Provided Within Practice = Total volumes of soil media, mulch, and ponding**

WQv = $V_{SM} + V_M + V_{pond}$

| | | | |
|---|---|---|---|
| $V_{SM}$ = $Af * df * P_{SM}$ | = | 232 | cf. |
| $V_M$ = $Af * dm * P_M$ | = | 46 | cf. |
| $V_{POND}$ = $(Af * hf * 2) + (2 * S * hf^2 * Pf)$ | = | 265 | cf. |

where:

| | | | |
|---|---|---|---|
| $P_{SM}$ = | Porosity of soil media - 0.20 | 0.20 | |
| $P_M$ = | Porosity of mulch - 0.40 | 0.40 | |
| S = | Bioretention Side Slopes | 3.00 | :1 |
| Pf = | Bioretention Perimeter | 88 | LF |

| **WQv =** | **543** | **CF** |
|---|---|---|

**Calculate Provided Runoff Reduction Volume**

Using Underdrains? Yes

| RRv = | 217 | CF |
|---|---|---|
| **RRv Applied =** | **217** | **CF** |

*This is 40% of the storage provided or WQv, whichever is less.*

**Appendix K - Table G**
**Practice Specific Sizing Calculation Worksheet**

## GREEN ROOF NO. 1 (GR1)

| Practice Proposed? | Yes |
|---|---|

**Enter Site Data For Drainage Area to be Treated by Practice**

| Catchment Number | Total Area *(Acres)* | Impervious Area *(Acres)* | Percent Impervious *%* | Rv | WQv *($ft^3$)* | Precipitation *(in)* | Description |
|---|---|---|---|---|---|---|---|
| PS 9B | 0.09 | 0.09 | 100% | 0.95 | 408 | 1.35 | |

**Enter Parameters for Proposed Green Roof**

| | | | | |
|---|---|---|---|---|
| Green Roof Surface Area | AGR | 3820 | $ft^2$ | |
| Depth of Soil Media | DSM | 0.25 | ft | 0.25-0.5 |
| Depth of Drainage Layer | DDL | 0.17 | ft | |
| Depth of Ponding Above Surface | DP | 0.42 | ft | |
| Porosity of Soil Media | nSM | 20% | | Max 20% |
| Porosity of Drainage Layer | nDL | 25% | | Max 25% |

**Calculate Storage Volume and Runoff Reduction Volume**

| | | | |
|---|---|---|---|
| Volume Provided in Soil Media | VSM | 191 | $ft^3$ |
| Volume Provided in Drainage Layer | VDL | 159 | $ft^3$ |
| Volume in Ponding Layer | | 1,592 | $ft^3$ |
| Storage Volume Provided in Green Roof | | 1,942 | $ft^3$ |
| Runoff Reduction Volume | RRv | 408 | $ft^3$ |

**Appendix K - Table H**

**Practice Specific Sizing Calculation Worksheet**

## SUBSURFACE INFILTRATION CHAMBERS

**Infiltrators 1:**

| WQv Required (cu ft) | Provided WQv (cu ft) | WQv Reduced (cu ft) | WQv Treated | Required Pretreatment | Provided Pretreatment | Description |
|---|---|---|---|---|---|---|
| 405 | 658 | 405 | 405 | 405 | 405 | Available storage above lowest overflow pipe |

**Appendix K - Table I**
**Practice Specific Sizing Calculation Worksheet**

## HYDRODYNAMIC SEPARATOR NO. 1 (HYDRO 1)

| | |
|---|---|
| Practice Proposed? | Yes |
| Treatment (Redevelopment) | Yes |

**Enter Site Data For Drainage Area to be Treated by Practice**

| Catchment Number | Total Area *(Acres)* | Impervious Area *(Acres)* | Percent Impervious % | Rv | WQv *($ft^3$)* | Precipitation *(in)* | Description |
|---|---|---|---|---|---|---|---|
| PS2 | 0.65 | 0.43 | 67% | 0.65 | 2,067 | 1.35 | Hydrodynamic Separator |

**Compute Peak Water Quality Discharge**

**Qp = qu * A * WQv**

where: qu = the unit peak discharge, in $cfs/mi^2/inch$
A = Drainage area (square miles) contributing to the SMP
WQv = Water Quality Volume (inches)

The unit peak discharge qu is obtained from TR-55 Exhibits 4-I through 4-III, depending on the NRCS rainfall distribution type. It is based on the time of concentration (Tc) in hours, the initial abstraction (Ia) in inches, and the precipitation (P) in inches. The initial abstraction (Ia) is obtained from TR-55 Table 4-1, and is based on the equivalent Curve Number for the water quality volume.

The equivalent Curve Number is calculated using the following equation:

**CN = 1000 / [10 + 5P + 10Q - 10 * (Q^2 + 1.25QP)^0.5]**

where: CN = Equivalent Curve Number
P = 90% Rainfall Event Number (inches) = 1.35 in
Q = Water Quality Volume (inches)

The following table presents the Water Quality Peak Flow calculations for each of the proposed stormwater management practices (SMPs):

| SMP ID | A (ac) | WQv (cf) | Q (inches) | Tc (hours) | CN | Ia (inches) | Ia/P | qu (cfs/sq.mi.-inch) | Qp (cfs) |
|---|---|---|---|---|---|---|---|---|---|
| PS2 | 0.65 | 2,067 | 0.88 | 0.10 | 95.1 | 0.104 | 0.077 | 680 | **0.60** |

**Size Flow Diversion Structure**

**Orifice Equation: Qp = CA(2gh)$^{0.5}$**

where: C = Orifice coefficient
A = Area of WQv orifice (sf)
g = acceleration due to gravity (feet/$second^2$)
h = depth of water to center of orifice (ft)
d = minimum diameter of WQv orifice
y = distance of overflow bipass above invert of water quality pipe (ft)

The following table presents the minimum diameter of the WQv orifice and distance of the overflow bipass above the invert of

| SMP ID | C | A ($ft^2$) | g ($ft/sec^2$) | h (ft) | d (ft) | d (in) | y (ft) |
|---|---|---|---|---|---|---|---|
| PS2 | 0.60 | | 32.2 | | | | |

## HYDRODYNAMIC SEPARATOR NO. 2 (HYDRO 2)

| | |
|---|---|
| Practice Proposed? | Yes |
| Treatment (Redevelopment) | Yes |

**Enter Site Data For Drainage Area to be Treated by Practice**

| Catchment Number | Total Area *(Acres)* | Impervious Area *(Acres)* | Percent Impervious % | Rv | WQv *($ft^3$)* | Precipitation *(in)* | Description |
|---|---|---|---|---|---|---|---|
| PS8 | 0.83 | 0.69 | 83% | 0.80 | 3,237 | 1.35 | Hydrodynamic Separator |

**Compute Peak Water Quality Discharge**

**Qp = qu * A * WQv**

where: qu = the unit peak discharge, in $cfs/mi^2/inch$
A = Drainage area (square miles) contributing to the SMP
WQv = Water Quality Volume (inches)

The unit peak discharge qu is obtained from TR-55 Exhibits 4-I through 4-III, depending on the NRCS rainfall distribution type. The equivalent Curve Number is calculated using the following equation:

**CN = 1000 / [10 + 5P + 10Q - 10 * (Q^2 + 1.25QP)^0.5]**

where: CN = Equivalent Curve Number
P = 90% Rainfall Event Number (inches) = 0.00 in
Q = Water Quality Volume (inches)

The following table presents the Water Quality Peak Flow calculations for each of the proposed stormwater management

| SMP ID | A (ac) | WQv (cf) | Q (inches) | Tc (hours) | CN | Ia (inches) | Ia/P | qu (cfs/sq.mi.-inch) | Qp (cfs) |
|---|---|---|---|---|---|---|---|---|---|
| PS8 | 0.83 | 3,237 | 1.07 | 0.10 | 97.4 | 0.054 | 0.040 | 650 | **0.90** |

**Size Flow Diversion Structure**

**Orifice Equation: Qp = CA(2gh)$^{0.5}$**

where: C = Orifice coefficient
A = Area of WQv orifice (sf)
g = acceleration due to gravity (feet/$second^2$)
h = depth of water to center of orifice (ft)
d = minimum diameter of WQv orifice
y = distance of overflow bipass above invert of water quality pipe (ft)

The following table presents the minimum diameter of the WQv orifice and distance of the overflow bipass above the invert of

| SMP ID | C | A ($ft^2$) | g ($ft/sec^2$) | h (ft) | d (ft) | d (in) | y (ft) |
|---|---|---|---|---|---|---|---|
| PS8 | 0.60 | | 32.2 | | | | |

## HYDRODYNAMIC SEPARATOR NO. 3 (HYDRO 3)

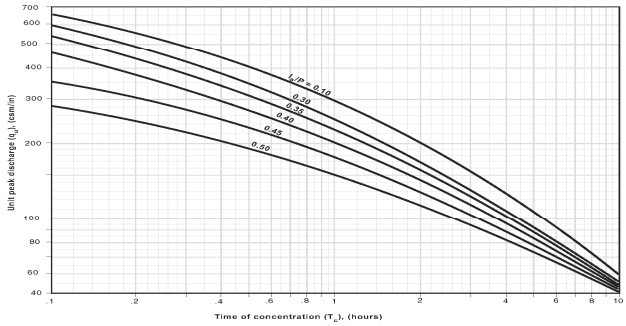
| | |
|---|---|
| Practice Proposed? | Yes |
| Treatment (Redevelopment) | No |

**Enter Site Data For Drainage Area to be Treated by Practice**

| Catchment Number | Total Area *(Acres)* | Impervious Area *(Acres)* | Percent Impervious % | Rv | WQv *($ft^3$)* | Precipitation *(in)* | Description |
|---|---|---|---|---|---|---|---|
| PS4 | 0.11 | 0.05 | 48% | 0.48 | 253 | 1.35 | Hydrodynamic Separator |

Chapter 4 — Graphical Peak Dischage Method — Technical Release 55 Urban Hydrology for Small Watersheds

**Exhibit 4-III** Unit peal discharge ($q_u$) for NRCS (SCS) type III rainfall distribution




(210-VI-TR-55, Second Ed., June 1986) 4–7

**Compute Peak Water Quality Discharge**

**Qp = qu * A * WQv**

where: qu = the unit peak discharge, in cfs/mi$^2$/inch
A = Drainage area (square miles) contributing to the SMP
WQv = Water Quality Volume (inches)

The unit peak discharge qu is obtained from TR-55 Exhibits 4-I through 4-III, depending on the NRCS rainfall distribution type.
The equivalent Curve Number is calculated using the following equation:
**CN = 1000 / [10 + 5P + 10Q - 10 * (Q^2 + 1.25QP)^0.5]**

where: CN = Equivalent Curve Number
P = 90% Rainfall Event Number (inches) = 0.00 in
Q = Water Quality Volume (inches)

The following table presents the Water Quality Peak Flow calculations for each of the proposed stormwater management

| SMP ID | A (ac) | WQv (cf) | Q (inches) | Tc (hours) | CN | Ia (inches) | Ia/P | qu (cfs/sq.mi.-inch) | Qp (cfs) |
|---|---|---|---|---|---|---|---|---|---|
| PS4 | 0.11 | 253 | 0.65 | 0.10 | 91.5 | 0.186 | 0.138 | 650 | **0.10** |

**Size Flow Diversion Structure**

**Orifice Equation: Qp = CA(2gh)$^{0.5}$**
where: C = Orifice coefficient
A = Area of WQv orifice (sf)
g = acceleration due to gravity (feet/second$^2$)
h = depth of water to center of orifice (ft)
d = minimum diameter of WQv orifice
y = distance of overflow bipass above invert of water quality pipe (ft)

The following table presents the minimum diameter of the WQv orifice and distance of the overflow bipass above the invert of

| SMP ID | C | A (ft$^2$) | g (ft/sec$^2$) | h (ft) | d (ft) | d (in) | y (ft) |
|---|---|---|---|---|---|---|---|
| PS4 | 0.60 | | 32.2 | | | | |

**HYDRODYNAMIC SEPARATOR NO. 4 (HYDRO 4)**

| | |
|---|---|
| Practice Proposed? | Yes |
| Treatment (Redevelopment) | No |

**Enter Site Data For Drainage Area to be Treated by Practice**

| Catchment Number | Total Area (Acres) | Impervious Area (Acres) | Percent Impervious ac | Rv | WQv ($ft^3$) | Precipitation (in) | Description |
|---|---|---|---|---|---|---|---|
| PS9A | 0.09 | 0.09 | 100% | 0.95 | 405 | 1.35 | Hydrodynamic Separator |

**Compute Peak Water Quality Discharge**

**Qp = qu * A * WQv**

where: qu = the unit peak discharge, in cfs/mi$^2$/inch
A = Drainage area (square miles) contributing to the SMP
WQv = Water Quality Volume (inches)

The unit peak discharge qu is obtained from TR-55 Exhibits 4-I through 4-III, depending on the NRCS rainfall distribution type.
The equivalent Curve Number is calculated using the following equation:
**CN = 1000 / [10 + 5P + 10Q - 10 * (Q^2 + 1.25QP)^0.5]**

where: CN = Equivalent Curve Number
P = 90% Rainfall Event Number (inches) = 0.00 in
Q = Water Quality Volume (inches)

The following table presents the Water Quality Peak Flow calculations for each of the proposed stormwater management

| SMP ID | A (ac) | WQv (cf) | Q (inches) | Tc (hours) | CN | Ia (inches) | Ia/P | qu (cfs/sq.mi.-inch) | Qp (cfs) |
|---|---|---|---|---|---|---|---|---|---|
| PS9A | 0.09 | 405 | 1.28 | 0.10 | 99.4 | 0.012 | 0.009 | 650 | **0.10** |

**Size Flow Diversion Structure**

**Orifice Equation: Qp = CA(2gh)$^{0.5}$**
where: C = Orifice coefficient
A = Area of WQv orifice (sf)
g = acceleration due to gravity (feet/second$^2$)
h = depth of water to center of orifice (ft)
d = minimum diameter of WQv orifice
y = distance of overflow bipass above invert of water quality pipe (ft)

The following table presents the minimum diameter of the WQv orifice and distance of the overflow bipass above the invert of

| SMP ID | C | A (ft$^2$) | g (ft/sec$^2$) | h (ft) | d (ft) | d (in) | y (ft) |
|---|---|---|---|---|---|---|---|
| PS9A | 0.60 | | 32.2 | | | | |

APPLICATION TO THE PLANNING BOARD
CITY OF POUGHKEEPSIE, NEW YORK

# Application for Site Plan, Special Permit & Facade Approval

| OFFICE USE ONLY |
|---|
| CODE: PLSF |
| ID #_____ |
| FEE: _____ Total, from: $500, plus $_____ ($150 per 1000 square feet of floor area), plus $_____ ($35 per number of required parking spaces), plus $_____ ($500 for special permit, if applicable) |

I. **PROPERTY ADDRESS:** 584 MAIN STREET

II. **PROPERTY OWNER:** HOOKER 21, LLC (J. ALLEN BRITVAN)
**ADDRESS:** PO BOX 55

THORNWOOD, NY 10594 (state and zip code)

**PHONE NUMBER:** 914-456-9100 (include area code)

III. **NAME OF APPLICANT:** (Contract Vendee) WULF LUECKERATH / MARK LEHMAN

**ADDRESS:** 1397 SECOND AVENUE
SUITE 170
NEW YORK, NY 10021 (state and zip code)

**PHONE NUMBER:** 917-678-5966 (include area code)

**EMAIL ADDRESS:** wlueckerath@yahoo.com

(If applicant is NOT the owner, proof of owner's consent to the application MUST be provided.)

IV. **CONSULTANT:** LISCUM, McCORMACK VANVOORHIS (ARCHITECT)

**ADDRESS:** 181 CHURCH STREET

POUGHKEEPSIE, NY 12601 (state and zip code)

**PHONE NUMBER:** 845-452-2268 (include area code)

V. **PROPOSED USE or FAÇADE CHANGE** (Summarize proposed use or uses): GROUND FLOOR COMMERCIAL & RESIDENCES; partial GF RESIDENTIAL, 2nd & 3rd FL RESIDENCES

VI. **ZONING DISTRICT:** C-2A, MAIN STREET COMMERCIAL DISTRICT

***(Proceed to XVII for special permit & façade approval only)***

Revised January 2018: Previous Editions Obsolete

## PROJECT INFORMATION

New construction: _____(yes) X (no)

Change of use: X (yes) _____ (no)

Expansion/addition: X (yes) _____ (no)

Alteration: X (yes) _____ (no)

Cost of Construction: $ 3,500,000.—

**LOT AND BULK INFORMATION:**

Lot area: 0.2 (acres) 8,860 (square feet)

Building Footprint: 0 (proposed square feet for new construction)

5,995 (existing square feet for change of use/expansion)

2,225 (additional proposed square feet for expansion)

8,220 (total building footprint, square feet)

Lot Coverage: 93.7% (percentage, building coverage only)

Gross Floor Area: 0 (proposed square feet for new construction)

17,985 (existing square feet for change of use/expansion)

6,675 (additional proposed square feet for expansion)

24,660 (total gross floor area, square feet)

Building Height: 3 (stories) 30.5' (feet)

Floor Area Ratio: 2.03 (ratio of gross floor area divided by lot area)

**VIII. PROJECT PARKING INFORMATION**

A) Number of Off-Street Parking Spaces required: ~~49~~ 51

B) Number of Off-Street Parking Spaces provided: 10*

C) Waiver Requested: ✓ (Yes) _____ (No)

Is municipal parking available within 600 feet? ✓ (Yes) _____ (No)

* 10 on-site parking spaces to be located at 618 MAIN STR (Pete's Famous Restaurant)

If yes, name all such municipal facilities: 17 Palmer Avenue; East-West Arterial (between Lexington Ave & Manitou Ave)

(If a waiver is requested based on proximity to municipal facilities, a written request for such waiver, addressed to the City Planning Staff and the Chairman of the Planning Board, must be submitted with the application.)

If a private parking facility is to be utilized, is such facility within 600 feet?

X (Yes) _____ (No)

If yes, provide the address of the facility, name of the property owner, number of spaces in the lot, number of spaces available for lease, and length of lease. Attach copy of lease. Additional information may be required by the Planning Board): 618 MAIN STR (Petes Famous Restaurant) - 10 on-site parking spaces (pls. see attached letter).

## IX. RESIDENTIAL PROPOSALS

A) Type of Development: Multiple Residence Rental
(Townhouse, condominium, multiple residence rental, etc.)

B) Unit Breakdown:

Number of efficiency or "studio" units: 6

Number of one (1) bedroom units: 24

Number of two (2) bedroom unit's 0

Number with three or more bedrooms: 0

Total number of units: _____

C) Is funding public? ____ Yes X No

If yes, describe funding source: _____

## X. OFFICE PROPOSALS (____ Medical/Dental ____ Professional ____ Business)

A) Number of Employees: _____ TBD

B) Number of doctors/dentists/medical practitioners: _____

C) Days/Hours of Operation: _____

## XI. SERVICE BUSINESS PROPOSALS

A) Specify Business: _____ TBD
(e.g., laundromat, drycleaner, beauty parlor, travel agency, banks)

B) Number of Employees: _____

C) Number of Washing Machines (for laundromat): _____

D) Days/Hours of Operation: _____

## XII. MERCANTILE PROPOSALS (Retail _____ Wholesale _____)

A) Type of Mercantile (specify): _____ TBD

B) Number of Employees: _____

C) Days/Hours of Operation: _____

## XIII. STANDARD RESTAURANT/FAST FOOD RESTAURANT/COFFEE SHOP/DONUT SHOP/NIGHTCLUB/DISCOTHEQUE/BAR PROPOSALS

TBD

A) Specify Use: _____

B) Number of seats (excluding bar stools and outdoor seating):_____

C) Meals served (i.e., breakfast, lunch, dinner): _____

D) Type of Menu: _____

E) Days/Hours of Operation: _____

F) Entertainment (live and/or recorded):_____

G) Will the restaurant contain a bar/lounge?: _____ Yes _____ No

H) If yes, how many seats at the bar? _____

I) Is a drive-through window proposed? _____

J) Is a walk-up window proposed? _____

K) Is an outdoor seating area proposed? _____

L) If yes, how many seats are proposed? _____

M) If yes, is outdoor cooking proposed? _____

## XIV. INDUSTRIAL/COMMERCIAL PROPOSALS (Automobile repair, taxi, motor vehicle sales, warehouse, manufacturing, animal hospital, research facilities, etc.)

A) Specify Use: _____ N/A

B) Number of shifts (if any): _____

C) Number of employees: _____
(If shifts are proposed, list number of employees per shift)

E) Number of work bays (if automobile repair): _____

F) Days/Hours of operation: _____

**XV. EDUCATIONAL/INSTITUTIONAL/RECREATIONAL PROPOSALS** (e.g., Museums, Theatres, Conference Centers, Hotels, Motels, Hospitals, Nursing Homes, Assisted Living Facilities, Nursery Schools, Private Schools, Day Care Centers, Places of Worship, Marinas, Membership Clubs, etc.)

A) Specify: N/A

B) Number of shifts (if any): _____

C) Number of employees: _____
(If shifts are proposed, list number of employees per shift)

D) Number of beds (hospitals, nursing homes, etc): _____

E) Number of seats in largest assembly space: _____

F) Number of classrooms (schools): _____

G) Number of rental units (hotels, motels, etc.) _____

H) Number of boat slips/courts (e.g., tennis, handball, etc.), alleys: _____

I) Days/Hours of Operation: _____

**XVI. PROPOSALS NOT MENTIONED ABOVE** (Please be specific):

Occupancy of existing & expanded new addition of rear building portion. No basement occupancy.

**XVII. APPLICANT CERTIFICATION**

I, WULF LUECKERATH, certify that the this application has addressed the objectives outlined in the Zoning Ordinance with consideration given to the public health, safety and welfare; the comfort and convenience of the public in general or the residents or users of the proposed development and of the immediate neighborhood.

The applicant certifies that all information contained herein is accurate and complete as of the date of this application.

Signature of Applicant

3/17/21
Date

Revised January 2018: Previous Editions Obsolete

Liscum
McCormack
VanVoorhis LLP
ARCHITECTURE
PLANNING
INTERIORS

181 Church Street
Poughkeepsie, NY 12601
Tel: 845•452•2268
Fax: 845•452•3752
www.lmvarchitects.com

October 4, 2021

City of Poughkeepsie Planning Board
Attn: Robert Levine, Chairman
63 Civic Center Plaza
Poughkeepsie, New York 12601

cc: Natalie Quinn, Senior Planner
Via Email Transmission: NQuinn@cityofpoughkeepsie.com

**Re: 584 Main Street, Poughkeepsie, NY**
**Applicant's Update**

To the City of Poughkeepsie Planning Board:

Per the Planning Board and Dutchess County Planning comments received in July 2021 and our follow-up presentation and workshop in September 2021 for the proposed project at 584 Main Street, we are pleased to provide you with the following narrative breakdown of the design changes and responses to design input received.

- All windows will mimic the original double hung, 6/6 windows, flat top in an arched opening.
- All shutters have been eliminated.
- Preservation of the existing brick façade has been incorporated in to the updated design. The original brick façade will remain exposed at the East elevation. At the West elevation, three sections of brick will have the stucco removed and be repointed, restored and exposed. Existing double rowlock brick arches over windows will be exposed. All brick masonry will be painted a dark gray, Sherwin Williams SW6257 Gibraltar, to contrast with the lighter James Hardies clapboard siding in Gray Slate. The clapboard siding will protrude approximately 2" from the face of the existing brick. Creating a vertical plane change with the material change. The combination of brick masonry and clapboard siding will also accentuate the differentiation between the existing building and the new addition.
- The existing 'Welcome to Middle Main' mural on the East elevation will be reinstalled at the same location, frames with flat stock and will be illuminated with (6) 48" LED low profile mural lights on a photocell controller.
- The residential entrance on Main Street will be accentuated with a canvas canopy and wall sconce lighting. The residential entrance on Palmer Avenue will be accentuated with a surround molding, a canvas canopy and wall sconce lighting to increase the pedestrian presence on Palmer Avenue.
- The service door on Palmer Avenue access the interior, common trash and recycling room. Commercial garbage containers will not be stored on the street or public way.

- The Main Street and Palmer Avenue streetscape elevations at the commercial/retail spaces will be detailed with traditional composite wood pilasters, recessed panel detailing, cornice board and protruding brackets and painted 'White'. Gooseneck lighting fixtures have been reduced in quantity to (11) LED Abolite fixtures.
- Wall mounted exterior lighting on the South elevation and East elevation (with the exception of the mural) is not proposed as the building is zero lot line and such fixtures would illuminate others properties and potentially create a visual nuisance to the residential bedrooms of the proposed development.
- A bicycle rack will be provided at the Main Street façade adjacent to the commercial space entries and at the Palmer Avenue residential entry. As these will be mounted in the public sidewalk, outside of the zero lot line, we will require approval from the City for these installations.
- Natural gas fuel is not intended to be utilized in the proposed development. Electric meters are intended to be installed in an interior First Floor electric room with remote exterior readers. If this is not acceptable to the utility company, the electric meters will be located on the left side of the south elevation.
- The proposed floor plan footprint has been modified to permit a 3' planting strip at the rear yard lot line off Palmer Avenue and arborvitae plantings are proposed in this space. Fencing enclosures are not proposed.
- Roof mounted air handlers and condenser units will be located in the center of the roof and enclosed with a 36" high metal screen. This enclosure will not be viewable from the pedestrian way on Main or Palmer.
- A restaurant or kitchen use is not planned for the First Floor commercial spaces and as such there are no planned exterior hood or combustion air vents shown or planned on the building facades.

We thank you for your contributions ad comments in this design process and we will be happy to discuss these comments with the City Planning Department at the next meeting. Thank you.

Sincerely,

LISCUM McCORMACK VANVOORHIS



Donald J. Petruncola, RA
Senior Associate

Liscum McCormack VanVoorhis
181 Church Street, Suite 200, Poughkeepsie, NY 12601
845-452-2268 dpetruncola@lmvarchitects.com

cc: Wulf Leukerath, 584 Main LLC
Mark Lehman, 584 Main LLC
File 20044

# MEMORANDUM

To: City of Poughkeepsie Planning Board

From: 584 Main Street LLC

Date: September 5, 2021

Re: 584 Main Street, Poughkeepsie, NY 12601

**INTRODUCTION**

As owners of 584 Main Street we are seeking to convert the currently vacant, dilapidated commercial building into a newly gut-renovated, mixed-use building consisting of 30 residential apartments and 2,500 SF of ground floor commercial space.

**STATUS**

As part of the approval process we secured approval from the Zoning Board of Appeals on 8/10/21 for the full expansion of the site to build those 30 apartments and two ground-floor commercial spaces. We also engaged EnviroClean and they successfully removed the 1,000-gallon underground oil tank. They tested the site and it came back clean (close-out letter available).

**SITE PLAN and ELEVATION REVISIONS**

Here are the revisions we made to the site plan of 584 Main Street;

- Revised site plan by Cronin Engineering incorporating City of Poughkeepsie Civil Engineer comments.
- Updated property elevations and floorplans by our architect, Liscum McCormack VanVoorhis LLP. We incorporated ideas / suggestions from previous planning board meeting and comments from County Planning and the Board's architectural consultant (MAAD Architects).
- Additions / updates include: clapboard siding, LED gooseneck light fixture and number of light fixtures along northern and western facade, shutter style, canopy above residential door entrances, and interior garbage room.
- Existing wood mural to be re-installed (east elevation).
- Samples of Gray Slate colorway and clapboard siding by James Hardie to be provided at meeting.

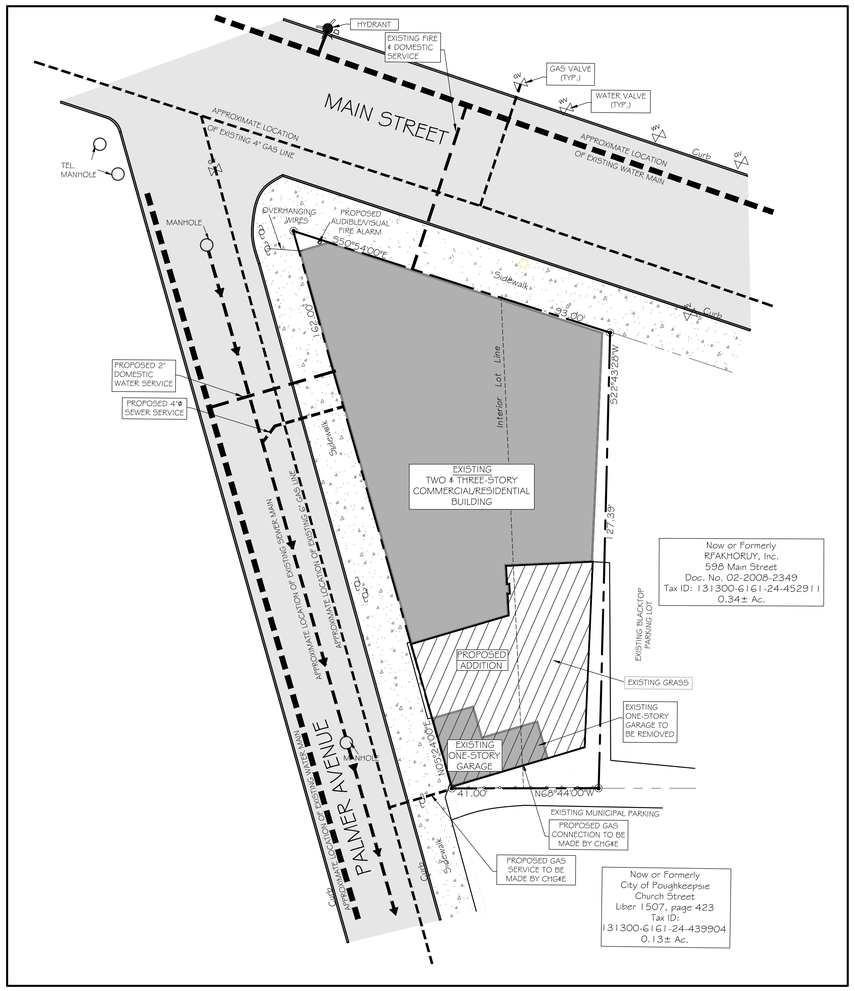
Thank you for your consideration.

584 Main Street LLC

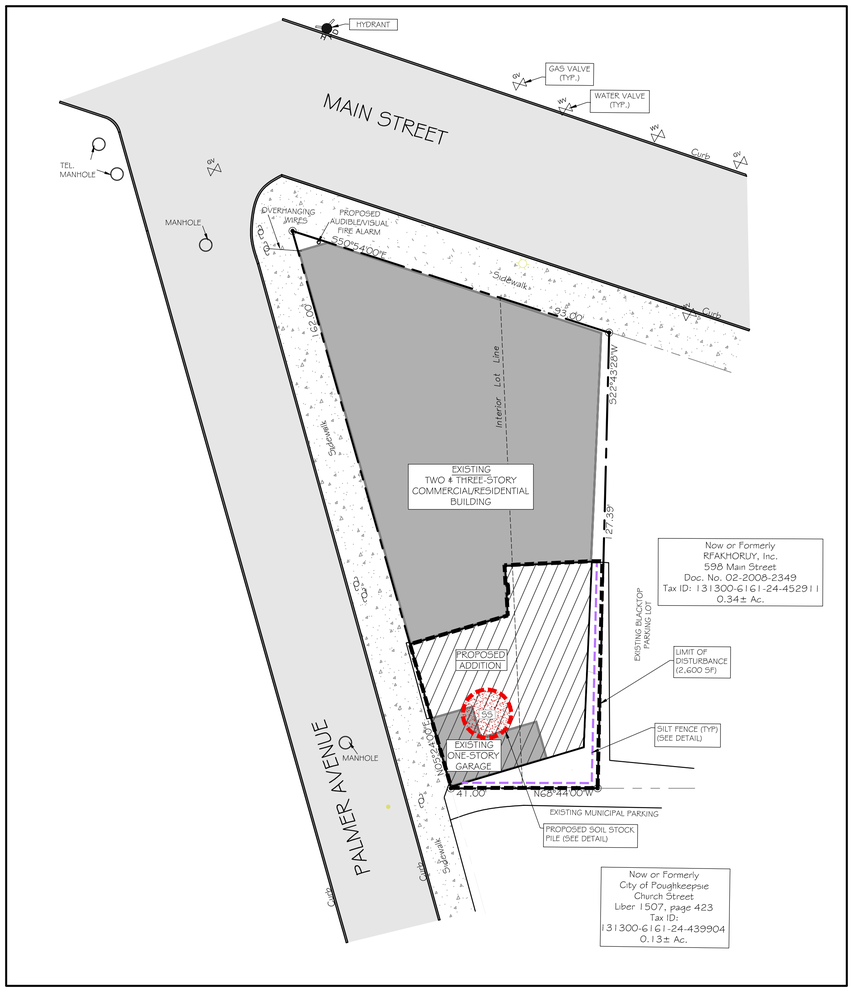
# SITE DEVELOPMENT PLAN
# FOR 584 MAIN STREET

## CITY OF POUGHKEEPSIE

### DUTCHESS COUNTY, NEW YORK




## UTILITY PLAN




## EROSION & SEDIMENT CONTROL PLAN

### ENGINEER'S NOTES TO OWNER/CONTRACTOR

1. A PRE-CONSTRUCTION SITE INSPECTION WITH CRONIN ENGINEERING, P.E., P.C. IS REQUIRED W/ THE OWNER AND CONTRACTOR PRESENT TO CONFIRM THE CONSTRUCTION PROCEDURE.
2. THERE SHALL BE NO MODIFICATION TO ANY ASPECT OF THIS PLAN WITHOUT FIRST CONTACTING CRONIN ENGINEERING, P.E., P.C. FOR APPROVAL.
3. PRIOR TO ANY EXCAVATION, THE OWNER AND/OR CONTRACTOR SHALL CALL THE UNDERGROUND LINE LOCATION SERVICE (CODE 53) AT (800)-962-7962. FOR MORE INFORMATION, VISIT WWW.DIGSAFELYNEWYORK.COM.
4. EROSION & SEDIMENT CONTROL MEASURES AS SHOWN IN THIS PLAN SET SHALL BE IN PLACE PRIOR TO THE COMMENCEMENT OF ANY SITE WORK. IF UNFORESEEN FIELD CONDITIONS ARE ENCOUNTERED WHICH PROHIBIT THE INSTALLATION OF CERTAIN EROSION & SEDIMENT CONTROL MEASURES AS SHOWN, IT SHALL BE THE OWNER AND/OR CONTRACTOR'S RESPONSIBILITY TO CONTACT CRONIN ENGINEERING, P.E., P.C. IMMEDIATELY TO DISCUSS ALTERNATIVE METHODS. IT SHALL BE THE OWNER AND/OR CONTRACTOR'S RESPONSIBILITY TO ENSURE THE INTEGRITY OF ALL EROSION & SEDIMENT CONTROL MEASURES AT ALL TIMES THROUGHOUT THE DURATION OF THE PROJECT.
5. CRONIN ENGINEERING, P.E., P.C. MAKES NO REPRESENTATIONS OR CERTIFICATIONS AS TO THE INTEGRITY, LOCATION OR EXISTENCE OF SUBSURFACE STRUCTURES OR SOIL CONDITIONS WITH RESPECT TO STABILITY AND SUITABILITY FOR THE INTENDED PURPOSE. IT IS THE RESPONSIBILITY OF THE OWNER AND/OR CONTRACTOR TO VERIFY ALL SUBSURFACE CONDITIONS AND INSURE THAT ALL IMPROVEMENTS ARE PLACED ON MATERIAL WITH A SUITABLE BEARING CAPACITY.
6. CRONIN ENGINEERING, P.E., P.C. MAKES NO REPRESENTATION OR CERTIFICATIONS AS TO THE QUANTITY OF MATERIAL NEEDED OR TO BE REMOVED FOR THE SUCCESSFUL CONSTRUCTION OF THE PROJECT. IT IS THE RESPONSIBILITY OF THE OWNER AND/OR CONTRACTOR TO VERIFY THE QUANTITY OF MATERIAL NEEDED OR TO BE REMOVED TO SUCCESSFULLY CONSTRUCT THE PROJECT.
7. IN THE EVENT THAT FIELD CONDITIONS ARE DIFFERENT THAN WHAT IS PRESENTED IN THIS PLAN SET, IT IS THE RESPONSIBILITY OF THE OWNER AND/OR CONTRACTOR TO NOTIFY CRONIN ENGINEERING, P.E., P.C. PRIOR TO CONTINUING WITH ANY FURTHER SITE WORK.
8. IF UNFORESEEN SUBSURFACE CONDITIONS ARE ENCOUNTERED (I.E. ROCK, GROUNDWATER, ETC.), THE OWNER AND/OR CONTRACTOR SHALL STOP WORK AND NOTIFY CRONIN ENGINEERING, P.E., P.C. ALL NECESSARY MODIFICATIONS OR CHANGES SHALL BE DISCUSSED WITH AND APPROVED BY CRONIN ENGINEERING, P.E., P.C. PRIOR TO CONTINUING WITH ANY FURTHER SITE WORK. FURTHERMORE, THE OWNER AND/OR CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS IF BLASTING IS REQUIRED.
9. IT IS THE OWNER AND/OR CONTRACTOR'S SOLE RESPONSIBILITY TO FOLLOW OSHA, NYS AND ANY OTHER APPLICABLE CODES OR REQUIREMENTS THROUGHOUT THE DURATION OF THE PROJECT. THIS INCLUDES BUT IS NOT LIMITED TO PROVIDING ADEQUATE BRACING AND GUARANTEEING THE STABILITY OF EXCAVATIONS AND OTHER VICINITY STRUCTURES.
10. CRONIN ENGINEERING, P.E. P.C. MAKES NO REPRESENTATION AS TO THE QUALITY (I.E. CONTAMINATION), IF ANY, OF THE SOILS ON THIS SITE. THE OWNER AND/OR CONTRACTOR ARE RESPONSIBLE TO CONDUCT ANY AND ALL TESTING AS MAY BE REQUIRED TO ENSURE THE SITE HAS NO CONTAMINATED SOILS.
11. CRONIN ENGINEERING, P.E. P.C. MAKES NO REPRESENTATION AS TO THE SOIL BEARING CAPACITY OF THE SOILS ON SITE. THE OWNER AND/OR ARCHITECT ARE RESPONSIBLE TO CONDUCT ANY AND ALL TESTING AS MAY BE REQUIRED TO ENSURE THE CONSTRUCTION OF THE FOUNDATION MEETS THE REQUIREMENTS OF THE NEW YORK STATE BUILDING CODE AND THE BUILDING CODE OF THE VILLAGE OF CROTON-ON-HUDSON. FOUNDATION DESIGN IS NOT PROVIDED BY THIS OFFICE AND IS THE RESPONSIBILITY OF THE OWNER/ARCHITECT/BUILDER.
12. THE OWNER/BUILDER/ARCHITECT ARE RESPONSIBLE TO ENSURE THAT THE BUILDING FOUNDATION MEETS ALL CITY CODES AND THE NEW YORK STATE RESIDENTIAL BUILDING CODE. IF UNSUITABLE MATERIAL IS ENCOUNTERED, THE OWNER SHALL MAKE PROVISIONS (I.E. DEEPER FOOTING, SPREAD FOOTING, GRADE BEAMS, PILES, ETC.) AS NECESSARY TO ENSURE A CODE COMPLIANT FOUNDATION TO THE SATISFACTION OF THE CITY OF POUGHKEEPSIE BUILDING DEPARTMENT.

### EROSION CONTROL NOTES

1) CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH ALL SEDIMENT AND EROSION CONTROL PRACTICES. THE SEDIMENT AND EROSION CONTROL PRACTICES ARE TO BE INSTALLED PRIOR TO ANY MAJOR SOIL DISTURBANCES, AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED.
2) TIMELY MAINTENANCE OF SEDIMENT CONTROL STRUCTURES IS THE RESPONSIBILITY OF THE CONTRACTOR. ALL STRUCTURES SHALL BE MAINTAINED IN GOOD WORKING ORDER AT ALL TIMES. THE SEDIMENT LEVEL IN ALL SEDIMENT TRAPS SHALL BE CLOSELY MONITORED AND SEDIMENT REMOVED PROMPTLY WHEN MAXIMUM LEVELS ARE REACHED OR AS ORDERED BY THE ENGINEER. ALL SEDIMENT CONTROL STRUCTURES SHALL BE INSPECTED WEEKLY, PRIOR TO EXPECTED RAIN EVENTS, AND AFTER EACH HEAVY RAIN TO INSURE PROPER OPERATION AS DESIGNED. AN INSPECTION SCHEDULE SHALL BE SET FORTH PRIOR TO THE START OF CONSTRUCTION.
3) THE LOCATIONS AND THE INSTALLATION TIMES OF THE SEDIMENT CAPTURING STANDARDS SHALL BE AS ORDERED BY THE ENGINEER, AND IN ACCORDANCE WITH ACCEPTED STANDARDS.
4) ALL TOPSOIL NOT TO BE USED FOR FINAL GRADING SHALL BE REMOVED FROM THE SITE IMMEDIATELY AND PLACED IN A STABILIZED STOCKPILE OR FILL AREA. ALL TOPSOIL REQUIRED FOR FINAL GRADING AND STORED ON SITE SHALL BE LIMED,FERTILIZED, TEMPORARILY SEEDED AND MULCHED WITHIN 14 DAYS.
5) ANY DISTURBED AREAS THAT WILL BE LEFT EXPOSED MORE THAN 21 DAYS AND NOT SUBJECT TO CONSTRUCTION TRAFFIC, SHALL IMMEDIATELY RECEIVE TEMPORARY SEEDING. MULCH SHALL BE USED IF THE SEASON PREVENTS THE ESTABLISHMENT OF A TEMPORARY COVER. DISTURBED AREAS SHALL BE LIMED AND FERTILIZED PRIOR TO TEMPORARY SEEDING.
6) ALL DISTURBED AREAS WITHIN 500 FEET OF AN INHABITED DWELLING SHALL BE WETTED AS NECESSARY TO PROVIDE DUST CONTROL.
7) THE CONTRACTOR SHALL KEEP THE ROADWAYS WITHIN THE PROJECT CLEAR OF SOIL
8) AND DEBRIS AND IS RESPONSIBLE FOR ANY STREET CLEANING NECESSARY DURING THE COURSE OF THE PROJECT.
9) SEDIMENT AND EROSION CONTROL STRUCTURES SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE DRAINAGE AREA HAS BEEN PROPERLY STABILIZED BY PERMANENT MEASURES.
10) SOIL SEEDING AND FERTILIZER AMENDMENTS SHALL BE PERFORMED IN ACCORDANCE WITH THE CURRENT EDITION OF "NEW YORK GUIDELINES FOR URBAN EROSION AND SEDIMENT CONTROL".
11) ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH THE CURRENT EDITION OF "NEW YORK GUIDELINES FOR URBAN EROSION AND SEDIMENT CONTROL".

### GENERAL NOTES

1. SURVEY INFORMATION SHOWN HEREON IS BASED ON A MAP PREPARED BY SPENCER S. HALL LAND SURVEYOR, DATED MAY 5, 2021.
2. PARCEL TAX MAP DESIGNATION: SECTION: 131300, BLOCK: 24, LOT: 439917
3. TOTAL AREA OF LOT: 8,878 SQ. FT. (±0.20 ACRES)
4. PARCEL IS LOCATED IN THE CITY OF POUGHKEEPSIE C-2A (MAIN STREET COMMERCIAL) ZONING DISTRICT.
5. THERE SHALL BE NO MODIFICATION TO ANY ASPECT OF THIS PLAN WITHOUT CONTACTING THE DESIGN ENGINEER.
6. IT IS THE OWNERS RESPONSIBILITY TO ENSURE THAT ALL IMPROVEMENTS ARE PLACED ON MATERIAL WITH A SUITABLE BEARING CAPACITY.

### LIST OF DRAWINGS

| SHEET TITLE | SHEET NUMBER | TITLE | ISSUE DATE | LAST REVISED |
|---|---|---|---|---|
| SP-1.1 | 1 OF 2 | UTILITY& EROSION CONTROL PLAN | SEPTEMBER 2, 2021 | |
| CD-2.1 | 2 OF 2 | CONSTRUCTION DETAILS | SEPTEMBER 2, 2021 | |




VICINITY MAP SCALE: 1" = 300'

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(800) 962-7962
www.digsafelynewyork.com

20 0 10 20
SCALE: 1" = 20 FT.

OWNER/APPLICANT

584 MAIN STREET LLC
1397 2ND AVENUE, SUITE 170,
NEW YORK, NEW YORK 10021


• UNDER NEW YORK STATE EDUCATIONAL LAW ARTICLE 145, SECTION 7209 (2), IT IS UNLAWFUL FOR ANY PERSON TO ALTER ANY ITEM ON THIS DRAWING, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. IF ANY ITEM IS ALTERED, THE ALTERING ENGINEER SHALL AFFIX TO THE ITEM HIS SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION AND A SPECIFIC DESCRIPTION OF THE ALTERATION.
• COPYRIGHT "2021" BY CRONIN ENGINEERING, P.E., P.C. ALL RIGHTS RESERVED.


REVISIONS

| # | REASON | DATE |
|---|---|---|
| 2 | | |
| 1 | | |
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| MUNICIPAL TAX IDENTIFICATION: | |
|---|---|
| SECTION: | 6161 |
| BLOCK: | 24 |
| LOT: | 439917 |
| SUBLOT: | ----- |
| DRAWN BY: | SAR |
| CHECKED: | JA/TCIII |
| PROJECT: | LUECKERATH-584 MAIN ST |
| DATE: | SEPTEMBER 2, 2021 |
| JOB #: | 210816 |

TIMOTHY L. CRONIN III, P.E.
LICENSE #062980

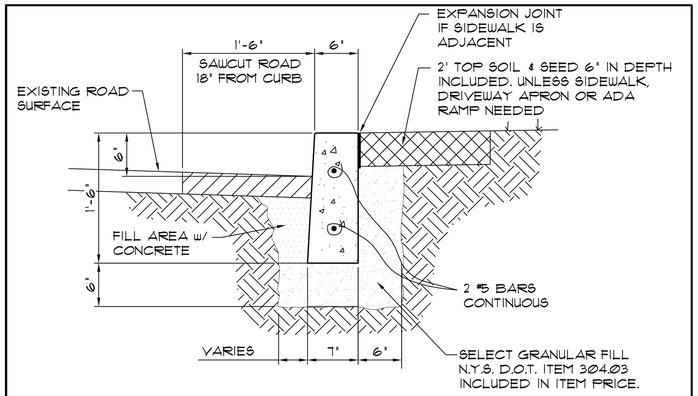

CRONIN ENGINEERING
PROFESSIONAL ENGINEERING & CONSULTING
(914) 736-3664
39 Arlo Lane
Cortlandt Manor, New York 10567


UTILITY & EROSION CONTROL

# SITE PLAN FOR COMMERCIAL/ RESIDENTIAL BUILDING

LOCATION:
584 MAIN STREET,
POUGHKEEPSIE , NY

SHEET 1 OF 2 | SP-1.1



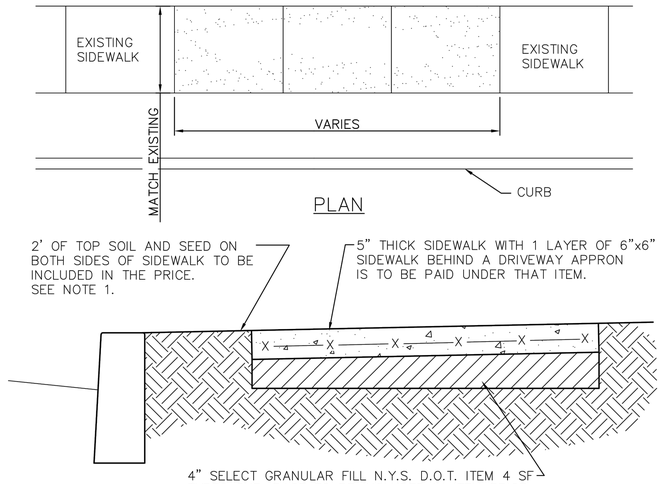

NOTE:

1. CONCRETE SHALL BE MINIMUM 4,000 PSI

## FORMED CURB DETAIL

SCALE: 1"-1'-0"

| | | | |
|---|---|---|---|
| CITY OF POUGHKEEPSIE ENGINEERING DEPARTMENT<br>62 CIVIC CENTER PLAZA<br>POUGHKEEPSIE, NY 12601 | FILE NO.: 001-DET<br>DATE: 3-6-00<br>SCALE: AS NOTED<br>DRAWN BY: JP | FORMED CURB DETIAL | 1<br>PAGE NO. |



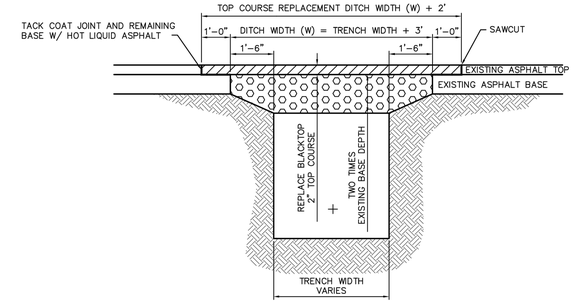

NOTES:

1. ALL CONCRETE SHALL BE MINIMUM 4,000 PSI.
2. WHERE MATERIAL IS NOT USED THE CITY OF POUGHDEEPSIE WILL BE CREDITED IN AREAS WHERE MORE THAN THE SPECIFIED AMOUNT OF MATERIAL IS USED. MAJOR GRADE CHANGES WILL BE APROVED BY THE CITY ENGINEERING DEPT. AND WILL BE PAID UNDER APPROPRIATE ITEMS.
3. UPON COMPLETION OF CURING ALL CONCRETE SURFACES SHALL BE COATED WITH SODIUM CHLORIDE INHIBITING SEALER AS REQ'D.

## SIDEWALK DETAIL REPLACE & NEW

SCALE: 1"-2'-0"

| | | | |
|---|---|---|---|
| CITY OF POUGHKEEPSIE ENGINEERING DEPARTMENT<br>62 CIVIC CENTER PLAZA<br>POUGHKEEPSIE, NY 12601 | PROJECT: 001-DET<br>DATE: 5-16-00<br>SCALE: AS NOTED<br>DRAWN BY: JP | SIDEWALK DETAIL | |




GENERAL NOTES:

DITCH WIDTH SHALL EXTEND A MINIMUM OF ONE AND ONE-HALF FT. (1 1/2') FROM THE EDGES.

REPLACED BASE MATERIAL OVER TRENCH SHALL BE TWICE THE THICKNESS OF THE BASE. (MINIMUM THICKNESS OF 8 INCHES).

BASE MATERIAL SHALL BE PLACED IN TWO OR THREE LAYERS AND EACH LAYER THOROUGHLY ROLLED OR TAMPED.

ASPHALTIC CONCRETE PAVEMENT JOINTS SHALL BE MECHANICALLY SAWED.

ALL JOINTS TO BE SQUARED TO THE EXISTING EDGE OF CURB AND/ OR PAVEMENT, AND TACK COATED PER DETAIL.

TOP COURSE SURFACE REPLACEMENT SHALL EXTEND A MINIMUM OF ONE FOOT (1') FROM THE EDGES OF THE OPEN CUT ONTO THE ROAD BASE..

TOP COURSE REPLACEMENT SHALL BE MINIMUM OF TWO INCHES (2") OF ASPHALTIC CONCRETE.

## FLEXIBLE PAVEMENT AND TRENCH LIMITS DETAIL

SCALE: N.T.S.

| | | | |
|---|---|---|---|
| CITY OF POUGHKEEPSIE ENGINEERING DEPARTMENT<br>62 CIVIC CENTER PLAZA<br>POUGHKEEPSIE, NY 12601 | FILE NO.: 001-DET<br>DATE: 2-27-12<br>SCALE: AS NOTED<br>DRAWN BY: JP | FLEXIBILE PAVEMENT DETAIL | 1<br>PAGE NO. |



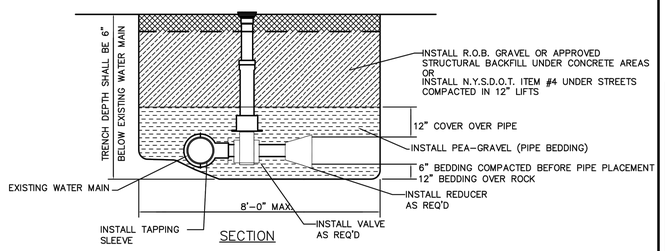

VICINITY MAP SCALE: 1" = 300'

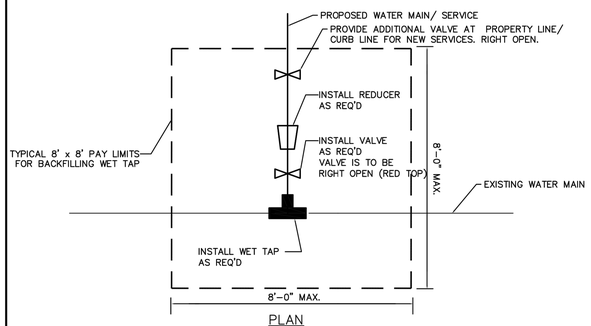
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SCALE: 1" = 20 FT.

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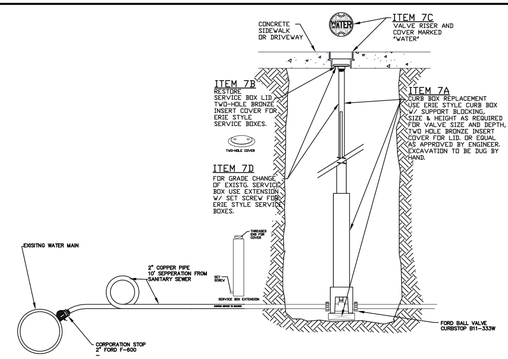




NOTE: ALL BACKFILL TO BE PLACED IN 1' LIFTS AND COMPACTED TO 95% OF MODIFIED PROCTOR (ASTM 1557)

## TAPPING SLEEVE & VALVE

SCALE: N.T.S.

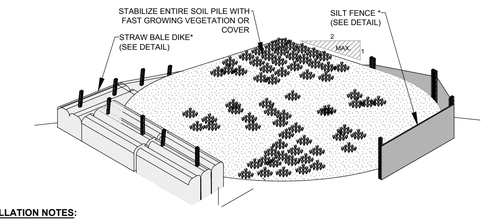
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|---|---|---|---|
| CITY OF POUGHKEEPSIE ENGINEERING DEPARTMENT<br>62 CIVIC CENTER PLAZA<br>POUGHKEEPSIE, NY 12601 | TAPPING SLEEVE & VALVE | DATE:<br>9/15/2014 | |




## CURB BOX AND SERVICE CONNECTION

SCALE: N.T.S.

| | | |
|---|---|---|
| | CURB BOX AND SERVICE CONNECTION | CITY OF POUGHKEEPSIE ENGINEERING DEPARTMENT<br>62 CIVIC CENTER PLAZA<br>POUGHKEEPSIE, NY 12601 |



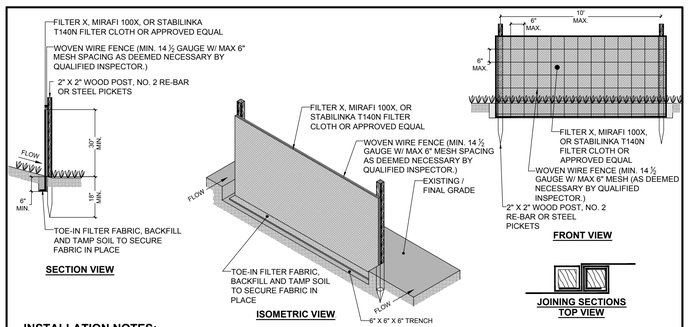

INSTALLATION NOTES:

1. AREA CHOSEN FOR STOCK PILING OPERATIONS TO BE DRY AND STABLE.
2. MAXIMUM SLOPE OF PILE TO BE 1 VERTICAL ON 2 HORIZONTAL.
3. REFER TO STRAW BALE DIKE AND SILT FENCE INSTALLATION DETAILS IN THIS PLAN SET FOR INSTALLATION GUIDELINES.

* EITHER A STRAW BALE DIKE OR SILT FENCE MAY BE USED FOR STOCKPILE PROTECTION AS SPECIFIED BY QUALIFIED INSPECTOR.

## SOIL STOCKPILING CONSTRUCTION

N.T.S.




INSTALLATION NOTES:

1. EXCAVATE A 4 INCH X 4 INCH TRENCH ALONG THE LOWER SIDE OF A SLOPE AS SPECIFIED ON SITE PLAN.
2. UNROLL A SECTION AT A TIME AND POSITION THE POSTS AGAINST THE BACK (DOWNHILL) WALL OF THE TRENCH (NET SIDE AWAY FROM DIRECTION OF STORM WATER FLOW).
3. DRIVE THE POST INTO THE GROUND UNTIL THE NETTING IS APPROXIMATELY 2 INCHES FROM THE TRENCH BOTTOM.
4. LAY THE TOE-IN FLAP OF FABRIC FLAT IN THE BOTTOM OF THE TRENCH AND BACKFILL THE TRENCH AND TAMP THE SOIL OVER THE FLAP TO SECURELY HOLD THE FABRIC IN PLACE. STEEPER SLOPES REQUIRE AN INTERCEPT TRENCH.
5. JOIN SECTIONS AS SHOWN ABOVE
6. PREFABRICATED UNITS SHALL BE OF TYPE GEOFAB, ENVIROFENCE, OR APPROVED EQUIVALENT.

## SILT FENCE INSTALLATION

N.T.S.


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REVISIONS

| # | REASON | DATE |
|---|---|---|
| 2 | | |
| 1 | | |

| MUNICIPAL TAX IDENTIFICATION: | |
|---|---|
| SECTION: | 6161 |
| BLOCK: | 24 |
| LOT: | 439917 |
| SUBLOT: | ----- |
| DRAWN BY: | SAR |
| CHECKED: | JA/TCIII |
| PROJECT: | LUECKERATH-584 MAIN ST |
| DATE: | SEPTEMBER 2, 2021 |
| JOB #: | 210816 |

TIMOTHY L. CRONIN III, P.E.
LICENSE #062980

CRONIN ENGINEERING
PROFESSIONAL ENGINEERING & CONSULTING
(914) 736-3664

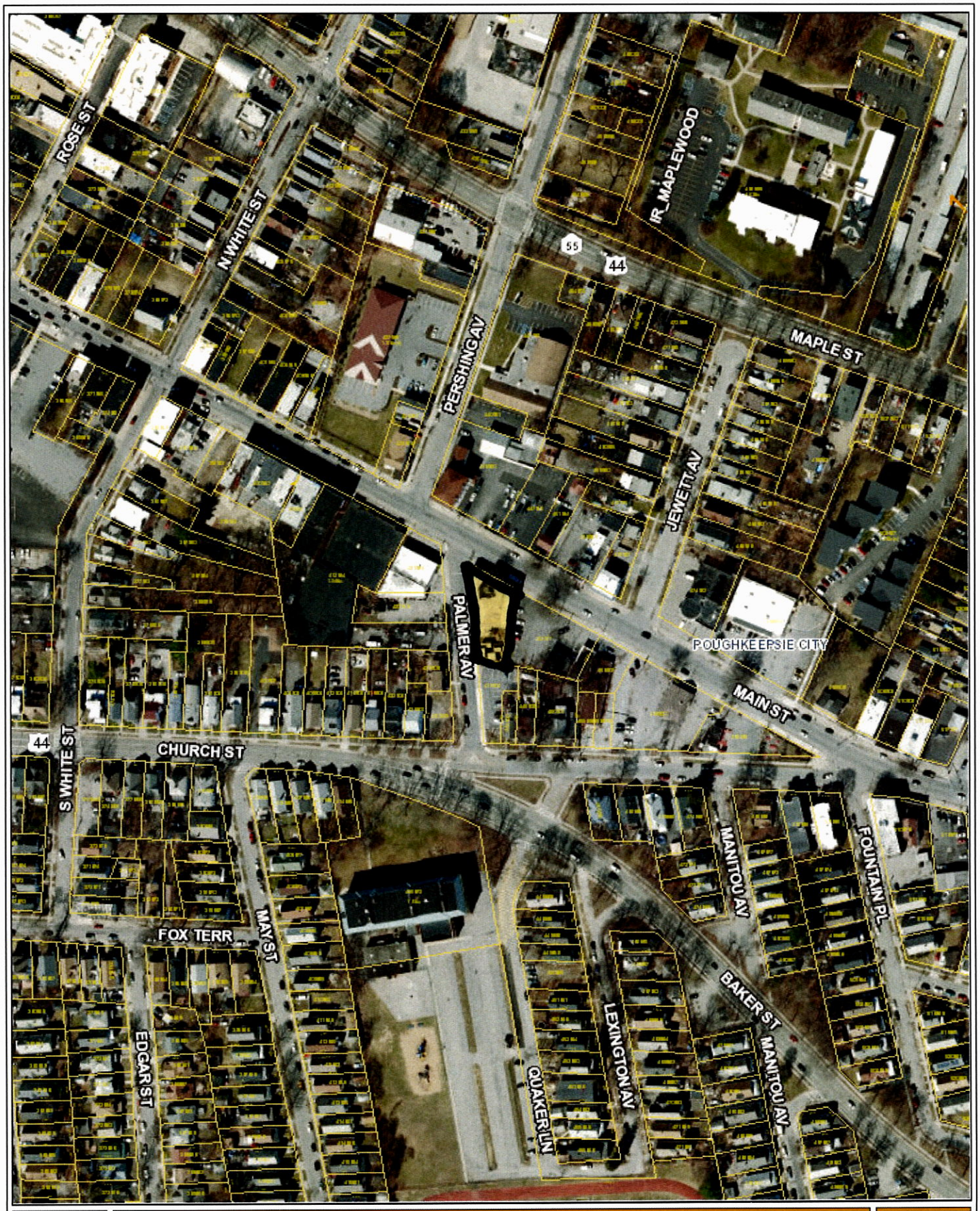
39 Arlo Lane
Cortlandt Manor, New York 10567

CONSTRUCTION DETAILS

# SITE PLAN FOR COMMERCIAL/ RESIDENTIAL BUILDING

LOCATION:
584 MAIN STREET,
POUGHKEEPSIE , NY

SHEET 2 OF 2 | CD-2.1




Dutchess County New York

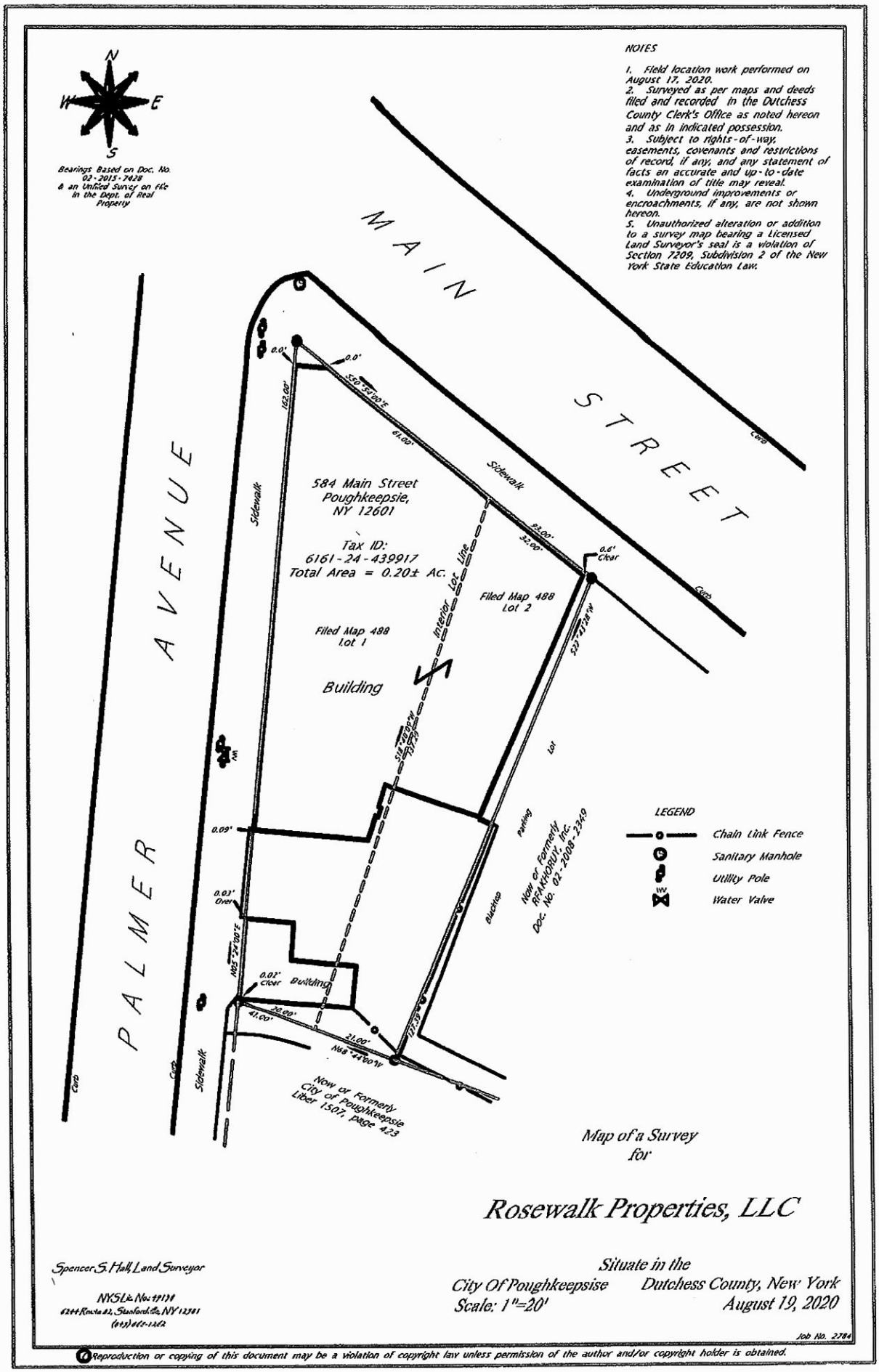
**584 Main Str**

500 feet

Printed by:
ParcelAccess

0 125 250 ft

ParcelAccess Internet 11/29/2020



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*Spencer S. Hall*
*Licensed Land Surveyor*
*6244 Route 82*
*Stanfordville, NY 12581*
*(845) 868-1262*
*NYS Lic. No. 49138*
*hallsurveying@optonline.net*

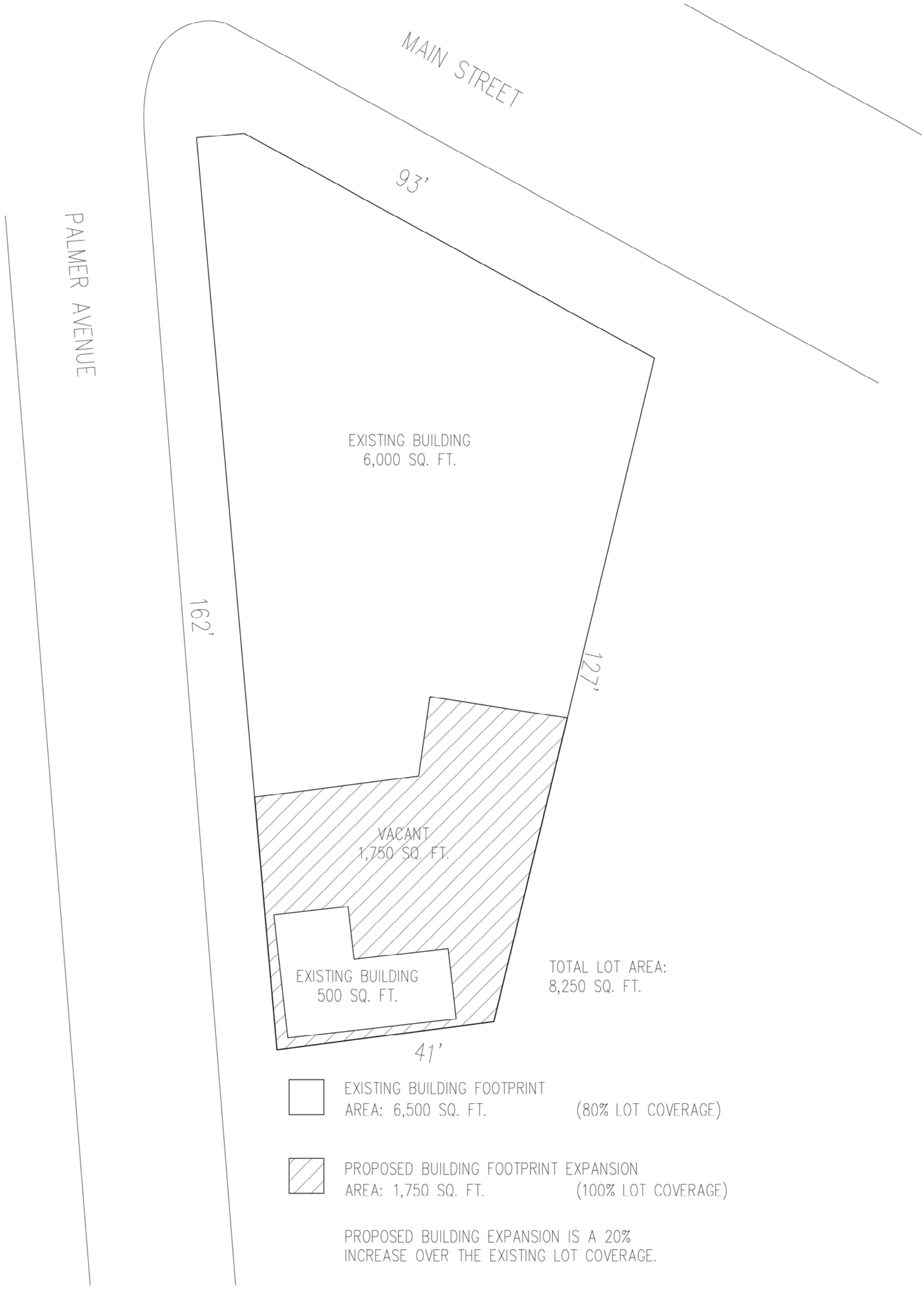
August 19, 2020

**Metes & Bounds Description of the following parcel:**

584 Main Street, Poughkeepsie, NY 12601

All that piece or parcel of land situate in the City of Poughkeepsie, County of Dutchess and State of New York, said parcel shown on a map filed in the Dutchess County Clerk's Office as Filed Map 488, entitled, "Map of Property Cor. Palmer Ave. and Main St. Poughkeepsie, NY Belonging to the Estate of Andrew Smith, Dec'd" and designated as Lot 1 & Lot 2, more particularly described as follows;

Beginning at a point at the intersection of the easterly side of Palmer Avenue and the southerly side of Main Street; thence along the southerly side of said Main Street, S50°54'00"E 93.00'; thence along the lands now or formerly of RFKHOURY, Inc.(Doc. No. 02-2008-2349), S22°43'28"W 127.39' to the lands now or formerly of the City of Poughkeepsie (Liber 1507, page 423); thence along the said lands of the City of Poughkeepsie, N68°44'00"W 41.00' to the easterly side of said Palmer Avenue; thence along the easterly side of said Palmer Avenue, N05°24'00"E 162.00' to the point or place of beginning, containing 0.20± acre of land.




SITE PLAN

Liscum McCormack VanVoorhis
ARCHITECTURE
PLANNING INTERIORS
181 Church Street
Poughkeepsie, NY 12601
TEL 845.452.2268
FAX 845.452.3752

PROJECT TITLE

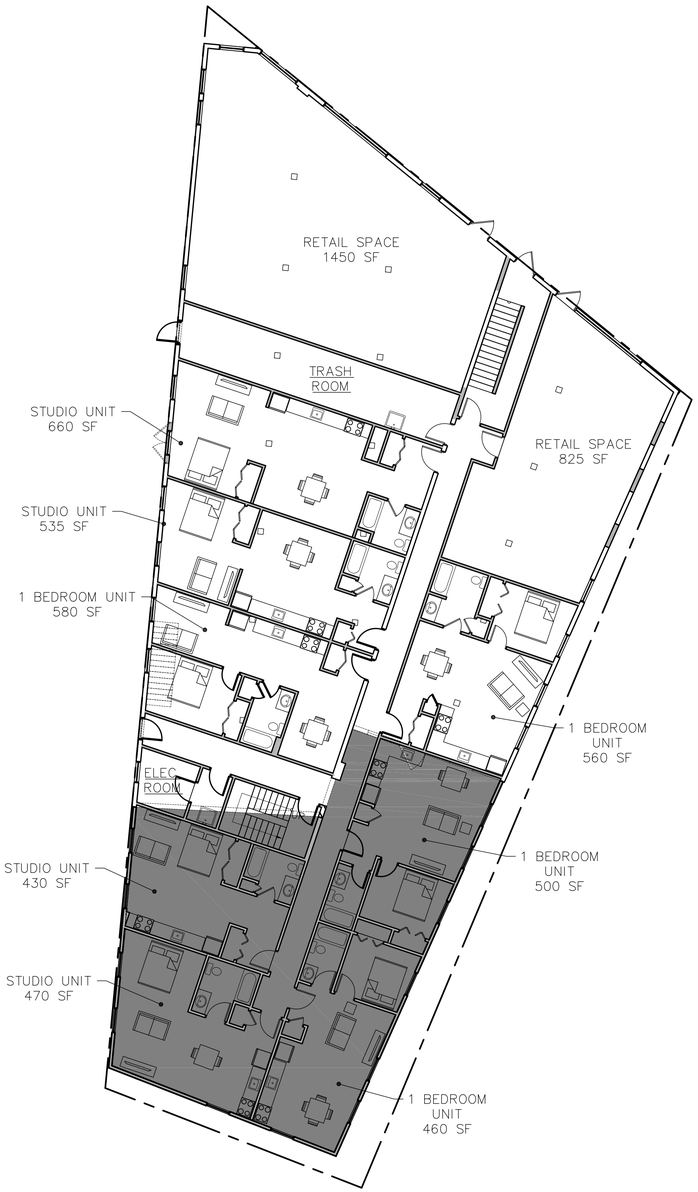
584 MAIN STREET
POUGHKEEPSIE, NEW YORK

SCALE 1/16" = 1'-0"

DATE 7/9/21

PROJECT NUMBER 20044

DRAWING NUMBER A1



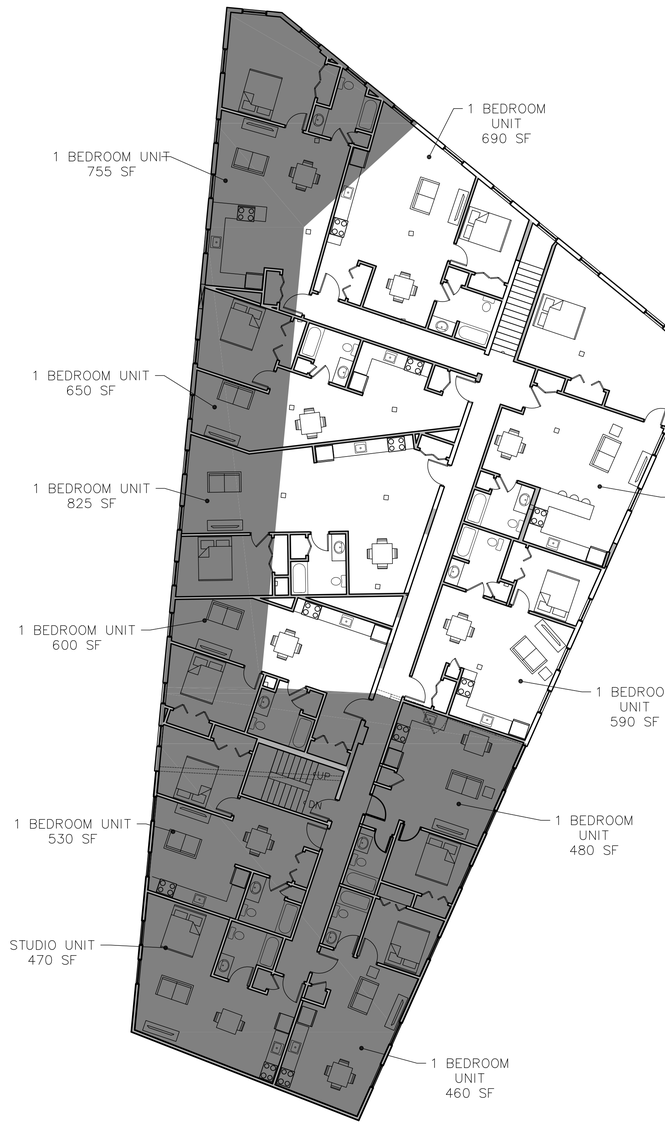

PROPOSED FIRST
FLOOR PLAN

SCALE 3/32" = 1'-0"




PROPOSED SECOND
FLOOR PLAN

SCALE 3/32" = 1'-0"




PROPOSED THIRD
FLOOR PLAN

SCALE 3/32" = 1'-0"

NEW CONSTRUCTION

EXISTING WALLS

NEW WALLS

EXISTING WALLS
TO BE
DEMOLISHED

(6) STUDIO UNITS
(24) 1 BEDROOM UNITS
2275 SF RETAIL SPACE

PROJECT NORTH

| No. | REVISION/SUBMISSION | DATE |
|---|---|---|
| | | |
| | | |
| | | |
| | | |
| 1 | | |

Liscum
McCormack
VanVoorhis LLP
ARCHITECTURE
PLANNING INTERIORS
181 CHURCH STREET
POUGHKEEPSIE, NEW YORK 12601
PHONE 845-452-2268 FAX 845-452-3752

PROJECT
LEUCKERATH
584 MAIN STREET
POUGHKEEPSIE, NY

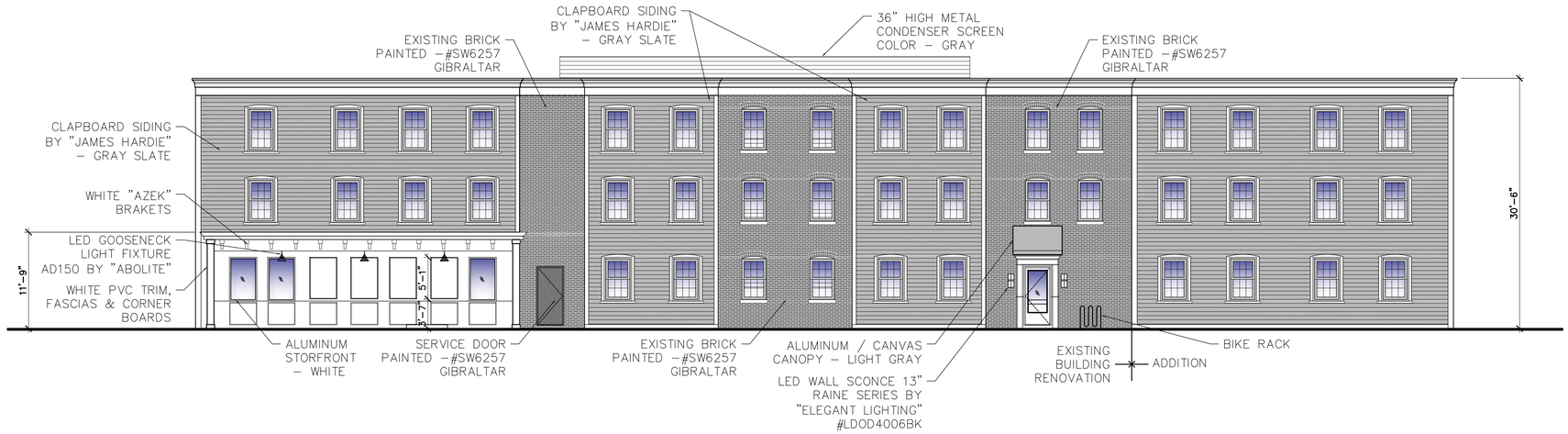
DRAWING
PROPOSED FIRST, SECOND &
THIRD FLOOR PLANS

SEAL

| DRAWN BY | PROJECT NUMBER |
|---|---|
| KY | 20044 |
| CHECKED BY | DATE |
| MM | 8-30-21 |

DRAWING NUMBER
A100

FILE P:\2000\JOB # - JOB NAME\




H–1 | WEST ELEVATION
1/8"=1'–0"

## Angled Reflector (AD150)

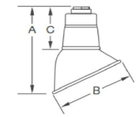
Abolite® LED Angled Reflector



**Abolite® LED Angled Reflector**

PRODUCT DIMENSIONS

| Prefix | Height (A) | Diameter (B) | Neck (C) |
|---|---|---|---|
| AD150 | 12" (305mm) | 10" (254mm) | 5-1/4" (133mm) |




10" MATTE BLACK FINISH
3500K COLOR TEMPERTURE
24"x8" GOOSENECK WALL BRACKET – MATTE BLACK
8'–0" ABOVE SIDEWALK TYP. FOR 11 UNITS




E–1 | SOUTH ELEVATION
1/8"=1'–0"




E–5 | NORTH ELEVATION
1/8"=1'–0"



LED WALL SCONCE
RAINE SERIES BY ELEGANT LIGHTING
13" HIGH BLACK FINISH
MODEL #LDOD4006BK




A–1 | EAST ELEVATION
1/8"=1'–0"



JAMES HARDIE LAB SIDING
COLOR – GRAY SLATE




SHERWIN WILLIAMS
COLOR – #SW6257 GIBRALTAR

| No. | REVISION/SUBMISSION | DATE |
|---|---|---|
| 1 | | |

Liscum McCormack VanVoorhis LLP
ARCHITECTURE PLANNING INTERIORS
181 CHURCH STREET
POUGHKEEPSIE, NEW YORK 12601
PHONE 845-452-2268 FAX 845-452-3752

PROJECT
584 MAIN STREET
POUGHKEEPSIE, NY

DRAWING
ELEVATIONS

SEAL

| DRAWN BY | PROJECT NUMBER |
|---|---|
| KY | 20044 |
| CHECKED BY | DATE |
| MM | 10–01–21 |

DRAWING NUMBER
A200

FILE P:\2000\JOB # - JOB NAME\




CLAPBOARD SIDING
JAMES HARDIE
GRAY SLATE




EXISTING BRICK MASONRY PAINT
SHERWIN WILLIAMS
SW6257 GILBRALTAR




H–1 | WEST ELEVATION

1/8"=1'–0"

## Angled Reflector (AD150)

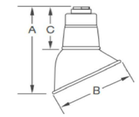
Abolite® LED Angled Reflector



**Abolite® LED Angled Reflector**

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|---|---|---|---|
| AD150 | 12" (305mm) | 10" (254mm) | 5-1/4" (133mm) |




10" MATTE BLACK FINISH
3500K COLOR TEMPERTURE
24"x8" GOOSENECK WALL BRACKET – MATTE BLACK
8'–0" ABOVE SIDEWALK TYP. FOR 11 UNITS




E–1 | SOUTH ELEVATION

1/8"=1'–0"




E–7 | NORTH ELEVATION

1/8"=1'–0"




A–1 | EAST ELEVATION

1/8"=1'–0"

| No. | REVISION/SUBMISSION | DATE |
|---|---|---|
| 1 | | |

Liscum McCormack VanVoorhis LLP
ARCHITECTURE PLANNING INTERIORS
181 CHURCH STREET
POUGHKEEPSIE, NEW YORK 12601
PHONE 845-452-2268 FAX 845-452-3752

PROJECT
LEUCKERATH
584 MAIN STREET
POUGHKEEPSIE, NY

DRAWING
ELEVATIONS

SEAL

| DRAWN BY | PROJECT NUMBER |
|---|---|
| KY | 20044 |
| CHECKED BY | DATE |
| MM | 8–30–21 |

DRAWING NUMBER
A200

FILE P:\2000\JOB # - JOB NAME\




H–1 WEST ELEVATION
1/8"=1'-0"




E–1 SOUTH ELEVATION
1/8"=1'-0"




E–7 NORTH ELEVATION
1/8"=1'-0"




A–1 EAST ELEVATION
1/8"=1'-0"

| No. | REVISION/SUBMISSION | DATE |
|---|---|---|
| 1 | - | 00/00/00 |

Liscum McCormack VanVoorhis LLP
181 CHURCH STREET
ARCHITECTURE POUGHKEEPSIE, NEW YORK 12601
PLANNING INTERIORS PHONE 845-452-2268 FAX 845-453-3752

PROJECT
564 MAIN STREET - LUECKERATH
564 MAIN STREET
POUGHKEEPSIE, N.Y. 12601

DRAWING
ELEVATIONS

SEAL

DRAWN BY: JP
PROJECT NUMBER: 20044
CHECKED BY:
DATE: 09-25-21
DRAWING NUMBER: A200

FILE P:\0000\OB\0000 - PROJECT NAME

# *Short Environmental Assessment Form*
# *Part 1 - Project Information*

## Instructions for Completing

**Part 1 – Project Information. The applicant or project sponsor is responsible for the completion of Part 1.** Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification. Complete Part 1 based on information currently available. If additional research or investigation would be needed to fully respond to any item, please answer as thoroughly as possible based on current information.

Complete all items in Part 1. You may also provide any additional information which you believe will be needed by or useful to the lead agency; attach additional pages as necessary to supplement any item.

**Part 1 – Project and Sponsor Information**

584 Main STREET, POUGHKEEPSIE, NY - SPONSORS: WULF LUECKERATH & MARK LEHMAN

Name of Action or Project:
584 MAIN STREET, POUGHKEEPSIE, NY 12601

Project Location (describe, and attach a location map):
584 MAIN STREET/ PALMER AVENUE - PLEASE SEE ATTACHED SITE MAP AND PROPERTY SURVEY

Brief Description of Proposed Action:
COMPLETE RENOVATION OF EXISTING 2-3 STORY VACANT PROPERTY. REMOVE EXISTING DETERIORATED ONE-STORY GARAGE IN THE BACK OF THE PROPERTY AND CONNECT/EXPAND WITH EXISTING 2-3 STORY PROPERTY.

PROPERTY WILL BE CONVERTED INTO A MIXED-USE PROPERTY WITH 29 RESIDENTIAL UNITS AND 2 OR 3 GROUND-FLOOR COMMERCIAL SPACES.

| Name of Applicant or Sponsor: | Telephone: 917-678-5966/ 917-453-9948 |
|---|---|
| WULF LUECKERATH & MARK LEHMAN | E-Mail: wlueckerath@thecorinthlangroup.com |

Address:
1397 SECOND AVENUE, SUITE 170

| City/PO: | State: | Zip Code: |
|---|---|---|
| NEW YORK | NY | 10021 |

| | NO | YES |
|---|---|---|
| 1. Does the proposed action only involve the legislative adoption of a plan, local law, ordinance, administrative rule, or regulation? If Yes, attach a narrative description of the intent of the proposed action and the environmental resources that may be affected in the municipality and proceed to Part 2. If no, continue to question 2. | ☒ | ☐ |
| 2. Does the proposed action require a permit, approval or funding from any other government Agency? If Yes, list agency(s) name and permit or approval: Zoning board of appeals, planning board, bldg permit | ☐ | ☒ |

3. a. Total acreage of the site of the proposed action? 0.2 acres
   b. Total acreage to be physically disturbed? 0.03 acres
   c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? 0.2 acres

4. Check all land uses that occur on, are adjoining or near the proposed action:
   ☑ Urban ☐ Rural (non-agriculture) ☐ Industrial ☑ Commercial ☑ Residential (suburban)
   ☐ Forest ☐ Agriculture ☐ Aquatic ☑ Other(Specify): mixed-use residential/ commercial
   ☐ Parkland

| | NO | YES | N/A |
|---|---|---|---|
| 5. Is the proposed action, | | | |
| a. A permitted use under the zoning regulations? | ☑ | ☐ | ☐ |
| b. Consistent with the adopted comprehensive plan? | ☐ | ☑ | ☐ |
| 6. Is the proposed action consistent with the predominant character of the existing built or natural landscape? | ☐ | ☑ | |
| 7. Is the site of the proposed action located in, or does it adjoin, a state listed Critical Environmental Area? If Yes, identify: _____ | ☑ | ☐ | |
| 8. a. Will the proposed action result in a substantial increase in traffic above present levels? | ☑ | ☐ | |
| b. Are public transportation services available at or near the site of the proposed action? | ☐ | ☑ | |
| c. Are any pedestrian accommodations or bicycle routes available on or near the site of the proposed action? | ☐ | ☑ | |
| 9. Does the proposed action meet or exceed the state energy code requirements? If the proposed action will exceed requirements, describe design features and technologies: PROPERTY WILL LOOK TO INCORPORATE ENERGY EFFICIENT WINDOWS AND BLOWN-IN INSULATION. WILL ALSO INCORPORATE SOLAR PANELS ON THE NEW ROOF FOR COMMON AREA ENERGY USAGE. | ☐ | ☑ | |
| 10. Will the proposed action connect to an existing public/private water supply? If No, describe method for providing potable water: _____ | ☐ | ☑ | |
| 11. Will the proposed action connect to existing wastewater utilities? If No, describe method for providing wastewater treatment: _____ | ☐ | ☑ | |
| 12. a. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district which is listed on the National or State Register of Historic Places, or that has been determined by the Commissioner of the NYS Office of Parks, Recreation and Historic Preservation to be eligible for listing on the State Register of Historic Places? | ☑ | ☐ | |
| b. Is the project site, or any portion of it, located in or adjacent to an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory? | ☑ | ☐ | |
| 13. a. Does any portion of the site of the proposed action, or lands adjoining the proposed action, contain wetlands or other waterbodies regulated by a federal, state or local agency? | ☑ | ☐ | |
| b. Would the proposed action physically alter, or encroach into, any existing wetland or waterbody? If Yes, identify the wetland or waterbody and extent of alterations in square feet or acres: _____ | ☑ | ☐ | |

14. Identify the typical habitat types that occur on, or are likely to be found on the project site. Check all that apply:

☐ Shoreline ☐ Forest ☐ Agricultural/grasslands ☐ Early mid-successional

☐ Wetland ☑ Urban ☑ Suburban

| | NO | YES |
|---|---|---|
| 15. Does the site of the proposed action contain any species of animal, or associated habitats, listed by the State or Federal government as threatened or endangered? | ☑ | ☐ |
| 16. Is the project site located in the 100-year flood plan? | ☑ | ☐ |
| 17. Will the proposed action create storm water discharge, either from point or non-point sources? | ☑ | ☐ |
| If Yes, | | |
| a. Will storm water discharges flow to adjacent properties? | ☐ | ☐ |
| b. Will storm water discharges be directed to established conveyance systems (runoff and storm drains)? | ☐ | ☐ |
| If Yes, briefly describe: | | |
| 18. Does the proposed action include construction or other activities that would result in the impoundment of water or other liquids (e.g., retention pond, waste lagoon, dam)? | ☑ | ☐ |
| If Yes, explain the purpose and size of the impoundment: | | |
| 19. Has the site of the proposed action or an adjoining property been the location of an active or closed solid waste management facility? | ☑ | ☐ |
| If Yes, describe: | | |
| 20. Has the site of the proposed action or an adjoining property been the subject of remediation (ongoing or completed) for hazardous waste? | ☑ | ☐ |
| If Yes, describe: | | |

**I CERTIFY THAT THE INFORMATION PROVIDED ABOVE IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE**

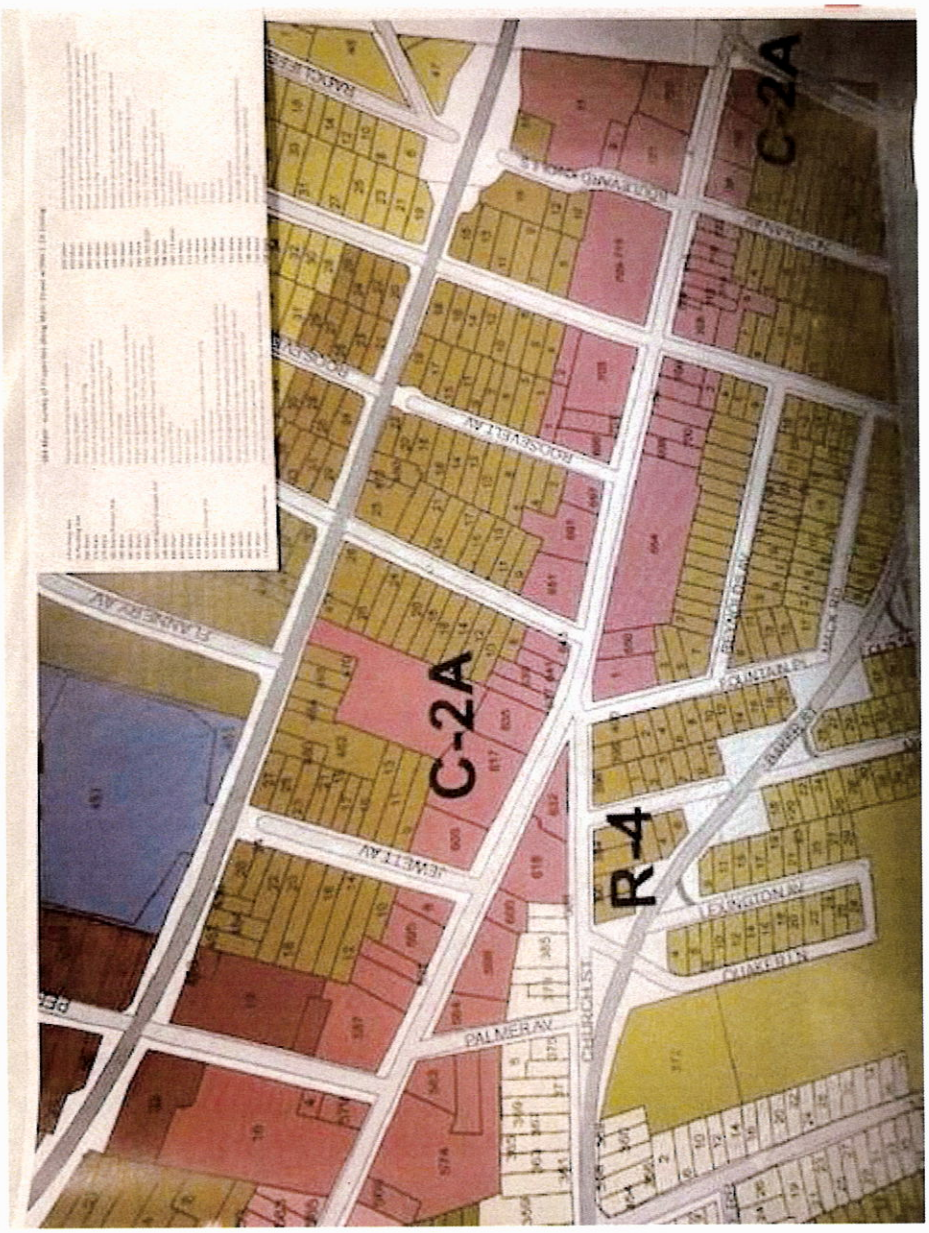
Applicant/sponsor/name: WULF LUECKERATH Date: ~~12/09/2020~~ 02/23/21

Signature: _____ Title: MEMBER

**PRINT FORM**

# 584 Main - survey of Properties along Main Street within C-2A Zoning:

| | |
|---|---|
| 4 Pershing Ave | Mixed-Use (worship center/ apts above) |
| 16 Pershing Ave | Ambulance Dispatch |
| 566 Main | 3-story, existing 14 unit apt bldg |
| 574 Main | Salvation Army (ground floor retail/ apts above) |
| 579 Main | 2-story, vacant corner commercial/ 3-apts vacant |
| 582 Main/Palmer Ave | Ultimate Tire (automobile repair shop) |
| 585 Main | Sabia Auto Exchange |
| 587 Main | Mixed-Use (El Bracero mexican restaurant/ apts above) |
| 591 Main | Mixed-Use (ground floor Hair Salon/ apts above) |
| 595 Main | Mixed-Use (ground floor TJ's Pizza, apts above) |
| 597-599 Main/ 8 Jewett Ave | Mixed-Use (ground floor Imperial Fire/ apts above) |
| 598 Main | car detail center/ repair |
| 600 Main | Vacant Car Wash |
| 605 Main | Rent-A-Center |
| 617 Main | Family Dollar |
| 618 Main | Pete's Restaurant |
| 632 Main/ Church Str | corner lot seasonal snack shop/ outdoor seating |
| 635 Main | Historic Glebe House |
| 637 Main | Mixed-Use (ground floor 'Main Street Family Dental/ apts above) |
| 639 Main | Mixed-Use (ground floor 'vacant mexican restaurant/ apts above) |
| 641 Main | Mixed-Use (ground floor barber shop/laundrymat/ apts above) |
| 643 Main | 1-story vacant automobile dealership/repair center |
| 651 Main | 1-story Casa Latina Supermarket |
| 1 Fountain Place/Main Str | Mixed-Use (ground floor 'vacant barber shop/ office/ Boost Mobile/ apts above) |
| 650 Main | Automobile Repair Center |
| 654 Main | 1-story worship center/ hair supply shop/ Market Fresh Supermarket |
| 691 Main | Mixed-Use (ground floor worship center/ barber shop/ apts above) |
| 693 Main | Mixed-Use (ground floor 'vacant retail'/bakery-deli/ apts above) |
| 697 Main | Mixed-use (ground floor The Big Tomato Luncheonette/ King Chef Chinese/ apts above) |
| 698 Main | Pickwick Pub |
| 699 Main | Mixed-Use (ground floor sports shop/ ~~vacant~~ retail/ apts above) |
| 700 Main | Goldens Krust/ Envios Oaxaca Inc retail |
| 701 Main | 1-story bldg (Poughkeepsie Wines & Liquor) |
| 702 Main | Freight Liquidators |
| 701-703 Main | 1-story TD Bank and parking lot |
| 706 Main | 3-story bldg (Gino's Pizza, apts above) |
| 708 Main | Rent-a-Wreck (Kane Motors) |
| 709-719 Main | Rite Aid Store |
| 710 Main | spa/pedicure |
| 712 Main | 1-family |
| 714 Main | 4-family |
| 716 Main | 2-family |
| 718 Main | 2-family |
| 721 Main | Autozone |
| 722 Main | Redcap Cleaners |
| 724 Main | L&A Café, El Rincon Pizza, Excellence Electronics |
| 730 Main | Retail building (Subway, Laundrymat) |
| 733 Main | McDonalds |
| 736 Main | dry-cleaner |


C-2A
C-2A
R-4
PALMER AV
CHURCH ST
JEWETT AV
FRANKLIN AV
ROOSEVELT AV
LEXINGTON AV
CHAMBLY

# MEMORANDUM

To: City of Poughkeepsie Planning Board

From: 584 Main Street LLC

Date: September 29, 2021

Re: 584 Main Street, Poughkeepsie, NY 12601

As new owners of 584 Main Street we are seeking to convert the currently vacant, dilapidated commercial building into a newly gut-renovated, mixed-use building consisting of 30 residential apartments and 2,500 SF of ground floor commercial space. On 8/10/21, the ZBA approved a waiver for 41 out of the originally required 51 parking spaces. This determination required us to find 10 parking spaces within 600 feet of 584 Main Street. Attached hereto are signed leases which provide us with more than the minimum required 10 parking spaces, and an analysis which we believe supports our claim that more than 10 likely will not be necessary.

We currently own and manage 11 stabilized properties consisting of nearly 90 residential and commercial units in Poughkeepsie, and at one point 18 months ago owned and managed as many as 13 stabilized properties totaling approximately 150 residential and commercial units. We recently surveyed all of the tenants in our portfolio to determine who owns / leases cars and has need for local, on or off-street parking. As the attached spreadsheet shows, only 19 out of 76, or 25% of our tenants (and even lower given the fact that more than one person typically resides in an apartment) own or otherwise have cars and need parking. Based on the 30 units projected for 584 Main Street this would equate to fewer than eight (8) parking spaces needed for the newly-renovated building. *Please note that we are in extensive talks with Hudson River Housing whereby they would lease many of the units; none of their tenants own or lease cars.*

Attached are three fully-executed leases with the owners of Pete's Famous Restaurant at 618 Main Street, 12 Lexington Avenue, and 22 Lexington Avenue (Wulf Lueckerath and Mark Lehman) allowing limited use of their parking lots. These provide for up to 19 total parking spaces.

Furthermore, the per unit parking requirements along Main Street per existing zoning are antiquated and do not reflect what is realistic or necessary.

Thank you for your consideration.

584 Main Street LLC

Residential Units Vehicle Estimate
Portfolio as of July 2021

| Property | Residential Units with Cars Estimate | Total Residential Units | Percentage |
|---|---|---|---|
| 7 Jones Street | 2 | 6 | 33.3% |
| 54-56 Talmadge Street | 2 | 4 | 50.0% |
| 442-444 Main Street | 2 | 4 | 50.0% |
| 4 N. White Street | 2 | 4 | 50.0% |
| 553 Main Street | 0 | 2 | 0.0% |
| 557 Main Street | 2 | 3 | 66.7% |
| 559 Main Street | 2 | 14 | 14.3% |
| 220 Church Street | 1 | 4 | 25.0% |
| 12 S Hamilton Street | 2 | 9 | 22.2% |
| 400 Maple Street | 1 | 20 | 5.0% |
| 22 Lexington Avenue | 3 | 6 | 50.0% |
| **Total:** | **19** | **76** | **25.0%** |
| 584 Main Street (Projected based on Portfolio) | 7.5 | 30 | 25.0% |

## PARKING LOT LEASE AGREEMENT

**THIS PARKING LOT LEASE AGREEMENT** made this 16 day of June, 2021, by and between **Pete's Famous Restaurant LLC,** having its principal offices at 618 Main Street, Poughkeepsie, NY 12601, hereinafter called the **"Lessor"**, and **584 Main Street LLC**, a New York limited liability company, with a principal office located at 1397 Second Avenue, Suite 170, New York, NY 10021, hereinafter called **"Tenant".**

### W ITNESSETH:

**WHEREAS, Lessor** is the fee owner of property located in the City of Poughkeepsie, County of Dutchess, State of New York known as 618 Main Street; and

**WHEREAS, Lessor** is desirous of leasing "up to 10 parking spaces" ("Parking Spaces") to **Tenant** and **Tenant** is desirous of leasing the Parking Spaces from **Lessor** for the purpose of 584 Main Street tenant parking spaces in accordance with all the terms and conditions hereinafter set forth,

### NOW, THEREFORE,

**IN CONSIDERATION** of the mutual agreements, covenants and conditions as hereinafter set forth, the parties do agree as follows:

1. **Term**. The term of this Agreement will begin upon the signing of this Agreement (the, "Commencement Date") and shall end twelve months therefrom (the, "Term"). Actual occupancy of the parking spaces located at 618 Main Street will not commence until 584 Main Street is completely renovated and new Certificate of Occupancy is issued.

2. **Rent**. Tenant agrees to pay **Lessor** the sum of $250 per month (the, "Rent"). The rent must be paid on the first of the month at the Lessor's address listed above.

3. **Permitted Use**. The Parking Spaces shall be used by Tenant only for the purpose of accommodating 584 Main monthly tenant parking needs, and for no other use or purpose without the Landlord's prior written consent, which shall be granted or withheld in **Lessor's** sole and selective direction.

4. **Tenant Assignment**. Tenant shall not assign nor in any manner transfer this Agreement, or any interest therein, nor sublet the Property or any part or parts thereof, nor permit occupancy by anyone, except in connection with the Tenant's use and occupancy of the Property as a parking lot.

5. **Events of Default**. The following events shall be deemed to be events of default by Tenant under this Agreement ("Event of Default"):

(a) Tenant shall have failed to pay the rent or any other charge provided herein, or any portion thereof, within ten (10) days after written demand for same from **Lessor**;

(b) Tenant shall have failed to comply with any other provisions of this agreement and shall not cure such failure within thirty (30) days after **Lessor**, by written notice, has informed Tenant of such noncompliance;

(c) Tenant abandons property.

8. **Notice of Default.** In the event of a default pursuant to Paragraph "7" above, **Lessor** may, by serving ten (10) days written notice upon Tenant, terminate this Lease. If Landlord gives Tenant notice of Tenant's default and/or delivers to Tenant a Notice of Demand for Payment or Possession pursuant to applicable statute (either of which shall hereinafter be refereed to as a "Notice of Default"), the Notice of Default will not constitute an election to terminate this Agreement unless **Lessor** expressly states in the Notice of Default that it is exercising its right to terminate the Lease.

9. **Tenant's Right to Terminate.** Either the Lessor or the Tenant may cancel this lease upon 30 days' written notice to the other party at the address set forth at the beginning of the Agreement.

10. **Notice.** Any and all notices given in connection with this Agreement shall be deemed adequately given if in writing and addressed to the party for whom such notices are intended at the address set forth below. All notices shall be sent by personal delivery, FedEx or other overnight messenger service, or by first class certified mail, postage prepaid, return receipt requested. A written notice shall be deemed to have been given to the recipient party on the earlier of (a) the date it is delivered to the address required by this Agreement; (b) the date delivery is refused at the address required by the Agreement; or (c) with respect to notices by mail, the date as of which the postal service indicated such notice to be undeliverable at the address required by this Agreement. Any and all notices referred to in this Agreement, or that either party desires to give to the other, shall be addressed as follows:

For Lessor: Pete's Famous Restaurant
618 Main Street
Poughkeepsie, New York 12601

For Tenant: 584 Main Street LLC
1397 Second Avenue, Suite 170
New York, New York 10021

Any party hereto may, by notice given hereunder, designate any further or different addresses to which subsequent notices or other communications shall be sent.

12. **Miscellaneous.**

(a) This Agreement shall be interpreted according to and shall be governed by the laws of the State of New York and all parties agree any action to enforce this agreement shall be brought in a court of competent jurisdiction situated in the County of Dutchess.

(b) Any changes or modifications of this Agreement must be in writing, and signed by the parties hereto. This Agreement supersedes any previous understanding or agreement between the parties relating to the Property.

(c) Paragraph headings are for convenience only, and in no way define or limit the scope and content of this Agreement.

(d) No delay or failure by either party to enforce or exercise any rights or remedies hereunder shall constitute a waiver of such right or remedy, nor shall any single or partial exercise of a right or remedy preclude any other or further exercise of rights and remedies.

(e) This Agreement may be executed in multiple counterparts, and by use of counterpart signature pages, but all such counterparts shall constitute but one and the same agreement. Signature pages bearing facsimile signatures shall be effective for purposes of binding the parties to this Agreement.

(f) This Agreement shall be binding upon and inure to the benefit of the parties hereto and their respective successors and assigns, provided this paragraph shall not permit any assignment contrary to the provisions of this Agreement.

**IN WITNESS WHEREOF**, Lessor and Tenant have executed this Lease as of the day and year first above written.

Lessor-

Pete's Famous Restaurant,

By: _____

James Drivas

Its: Owner

Tenant-

584 Main Street LLC

By: _____

Wulf Lueckerath

Its: Member

# RENTAL PARKING AGREEMENT

Rental Amount: None

Parking Spaces: Up to Four

This **Rental Parking Agreement** made by and between

**TENANT:** 584 Main Street LLC ("Tenant")

**Leased Premises:** 584 Main Street, Poughkeepsie, NY 12601

**Tenant's Address:** 1397 Second Avenue, Suite 170, New York, NY 10021

**LANDLORD:** 22 Lexington Avenue LLC ("Landlord")

**Landlord's Address:** 1397 Second Avenue, Suite 170, New York, NY 10021

WITNESSETH: That for and in consideration of the mutual promises, covenants and conditions hereinafter set forth, Landlord and Tenant agree as follows:

1. TERM AND DESCRIPTION. Landlord does hereby lease to Tenant, and Tenant does hereby lease from Landlord, four (4) parking lot spaces ("Parking Spaces") situated in the back of the building located at 22 Lexington Avenue, Poughkeepsie, NY 12601 ("Property") in perpetuity, for so long as Landlord owns the Property, and continuing month-to-month, unless sooner terminated as hereinafter provided. This Agreement shall commence on the earlier to occur of: July 1, 2023 or the date on which 584 Main Street receives the certificate of occupancy.

2. RENT. None.

3. NON-LIABILITY OF LANDLORD. Landlord, its members, officers, agents and employees shall not be liable for any personal injury suffered by Tenant or Tenant's guests or for any damage to or destruction or loss of any of Tenant's personal property located or stored upon the Parking Spaces or Property unless such injury or loss is attributable solely to the intentional, willful or wanton act or gross negligence of Landlord. This provision includes but is not limited to acts of theft, burglary, vandalism, assault or other criminal activity. Tenant assumes all risk of loss or damage of Tenant's property in the Parking Spaces or on the Property that may be caused by fire, windstorm, explosion or other cause, or by the act, or omission of any other tenant at the Property. Tenant further agrees to indemnify Landlord, its members, officers, agents and employees, from and against liability for damage, injury or loss alleged to have been sustained by Tenant or Tenant's guests resulting from any cause whatsoever excepting only such damage, injury or loss caused solely by the grossly negligent or intentional acts of Landlord, its members, officers, agents or employees. Tenant accepts Parking Spaces "as is" and Tenant acknowledges that Landlord has not made and is not making any warranties whatsoever with respect to the Parking Space.

4. LISTING OF VEHICLE. Tenant agrees to provide to Landlord pertaining to any vehicle that may be parked in the Parking Space, a description including vehicle make, model, color and license plate number. Tenant agrees that any vehicle in the Parking Spaces that has not been listed with Landlord will be subject to being towed at the vehicle owner's expense.

5. VEHICLE REGULATIONS. The Tenant's vehicle must have a valid New York State or other State Vehicle Registration, valid New York State Inspection and current automobile insurance. The Tenant shall, at all times during the term of this Rental Parking Agreement, maintain automobile insurance as required by law. Tenant shall at all times while parking the car under this agreement maintain the car in compliance with all State and Local laws, rules, regulations and ordinances as they pertain to owning, maintaining and operating an automobile on public roads.

6. REASSIGNMENT OF PARKING SPACE. Landlord reserves the right to reassign tenant to alternate parking spaces on the Property without prior consent of the tenant upon 10 days prior written notice mailed or delivered to Tenant's Address.

7. TENANT'S USE and LOCATION. Tenant shall use the Parking Spaces only to park the Vehicles listed in this agreement, and shall park listed Vehicles only in the rear of the parking lot along back fence. Tenant shall not use the Parking Spaces to store anything, nor shall Tenant use any area outside the Parking Spaces except to come and go from the Parking Spaces.

8. LANDLORD'S USE OF PARKING SPACE. Landlord may use the Parking Space, if necessary, to make repairs or in cases of emergency, and for such purposes, Landlord may give Tenant a temporary alternate Parking Space.

9. TENANT'S COMPLIANCE WITH PARKING SPACE RULES. Tenant shall comply with all laws applicable to the Parking Space; shall keep the Parking Spaces free of debris and any other matter except for the car; shall not cause or permit any hazardous material or activity to remain at the Parking Space; shall not cause any nuisance at the Parking Space; and shall make no alterations, changes, decorations or any other way change or add to the Parking Space.

10. LANDLORD'S OBLIGATIONS. Landlord is responsible for maintaining Property, including snow removal, and generally ensuring that Property can be used for parking.

11. TERMINATION BY TENANT. Tenant may terminate this Rental Parking Agreement only upon Tenant's thirty- (30) day prior written notice of termination mailed or delivered to Landlord's Address. Upon said termination, Tenant shall receive a prorated refund of any prepaid rent, less a $25.00 termination fee.

12. TERMINATION BY LANDLORD. Landlord may terminate this Rental Parking Agreement at any time upon thirty (30) days prior written notice of termination mailed or delivered to Tenant's Address, whereupon this rental parking agreement shall be deemed cancelled and terminated and Tenant shall retain no further rights in the demised Parking Space. Any prepaid and unearned rent shall be returned to Tenant.

13. SALE OF PROPERTY: Should Landlord sell Property this Agreement shall become null and void and of no further force and effect. Tenant shall be responsible for locating up to four (4) parking spaces within 600 feet of 584 Main Street, Poughkeepsie, NY.

14. GOVERNING LAW. This Rental Parking Agreement is to be governed by the laws of New York State. If any of the conditions or terms hereof conflict with any such law, then such terms or conditions shall be deemed modified and amended to conform to such law.

15. HEADINGS. The heading preceding each paragraph herein is inserted merely as a matter of convenience, and shall not be deemed to be a part of the agreement terms.

16. SEVERABILITY. The invalidity of any provision of this agreement or of its application to any person or circumstance as determined by any governmental agency or court shall in no way affect the validity of any other provisions hereof and all other terms of this agreement shall be valid and enforceable to the fullest extent permitted by law.

17. MODIFICATION. The parties acknowledge that there are no representations and warranties with respect to this Rental Parking Agreement except as expressly stated herein. This lease may not be modified except in writing and signed by both parties.

**LANDLORD:**
22 Lexington Avenue LLC
1397 Second Avenue, Suite 170, New York, NY 10021

BY: _____
Authorized Signature

DATE: 9/29/21

**TENANT:**
584 Main Street LLC
1397 Second Avenue, Suite 170, New York, NY 10021

BY: _____
Tenant Signature

DATE: 9/29/21

# RENTAL PARKING AGREEMENT

Rental Amount: None

Parking Spaces: Up to Five

This **Rental Parking Agreement** made by and between

**TENANT:** 584 Main Street LLC ("Tenant")

**Leased Premises:** 584 Main Street, Poughkeepsie, NY 12601

**Tenant's Address:** 1397 Second Avenue, Suite 170, New York, NY 10021

**LANDLORD:** 12 Lexington Avenue LLC ("Landlord")

**Landlord's Address:** 3 Morgan Drive, Unit #362, Mount Kisco, NY 10549

WITNESSETH: That for and in consideration of the mutual promises, covenants and conditions hereinafter set forth, Landlord and Tenant agree as follows:

1. TERM AND DESCRIPTION. Landlord does hereby lease to Tenant, and Tenant does hereby lease from Landlord, up to five (5) parking lot spaces ("Parking Spaces") situated 12 Lexington Avenue, Poughkeepsie, NY 12601 ("Property") in perpetuity, for so long as Landlord owns the Property, and continuing month-to-month, unless sooner terminated as hereinafter provided. This Agreement shall commence on the earlier to occur of: July 1, 2023 or the date on which 584 Main Street receives the certificate of occupancy.

2. RENT. None.

3. NON-LIABILITY OF LANDLORD. Landlord, its members, officers, agents and employees shall not be liable for any personal injury suffered by Tenant or Tenant's guests or for any damage to or destruction or loss of any of Tenant's personal property located or stored upon the Parking Spaces or Property unless such injury or loss is attributable solely to the intentional, willful or wanton act or gross negligence of Landlord. This provision includes but is not limited to acts of theft, burglary, vandalism, assault or other criminal activity. Tenant assumes all risk of loss or damage of Tenant's property in the Parking Spaces or on the Property that may be caused by fire, windstorm, explosion or other cause, or by the act, or omission of any other tenant at the Property. Tenant further agrees to indemnify Landlord, its members, officers, agents and employees, from and against liability for damage, injury or loss alleged to have been sustained by Tenant or Tenant's guests resulting from any cause whatsoever excepting only such damage, injury or loss caused solely by the grossly negligent or intentional acts of Landlord, its members, officers, agents or employees. Tenant accepts Parking Spaces "as is" and Tenant acknowledges that Landlord has not made and is not making any warranties whatsoever with respect to the Parking Space.

4. LISTING OF VEHICLE. Tenant agrees to provide to Landlord pertaining to any vehicle that may be parked in the Parking Space, a description including vehicle make, model, color and license plate number. Tenant agrees that any vehicle in the Parking Spaces that has not been listed with Landlord will be subject to being towed at the vehicle owner's expense.

5. VEHICLE REGULATIONS. The Tenant's vehicle must have a valid New York State or other State Vehicle Registration, valid New York State Inspection and current automobile insurance. The Tenant shall, at all times during the term of this Rental Parking Agreement, maintain automobile insurance as required by law. Tenant shall at all times while parking the car under this agreement maintain the car in compliance with all State and Local laws, rules, regulations and ordinances as they pertain to owning, maintaining and operating an automobile on public roads.

6. REASSIGNMENT OF PARKING SPACE. Landlord reserves the right to reassign tenant to alternate parking spaces on the Property without prior consent of the tenant upon 10 days prior written notice mailed or delivered to Tenant's Address.

7. TENANT'S USE and LOCATION. Tenant shall use the Parking Spaces only to park the Vehicles listed in this agreement, and shall park listed Vehicles only in the rear of the parking lot along back fence. Tenant shall not use the Parking Spaces to store anything, nor shall Tenant use any area outside the Parking Spaces except to come and go from the Parking Spaces.

8. LANDLORD'S USE OF PARKING SPACE. Landlord may use the Parking Space, if necessary, to make repairs or in cases of emergency, and for such purposes, Landlord may give Tenant a temporary alternate Parking Space.

9. TENANT'S COMPLIANCE WITH PARKING SPACE RULES. Tenant shall comply with all laws applicable to the Parking Space; shall keep the Parking Spaces free of debris and any other matter except for the car; shall not cause or permit any hazardous material or activity to remain at the Parking Space; shall not cause any nuisance at the Parking Space; and shall make no alterations, changes, decorations or any other way change or add to the Parking Space.

10. LANDLORD'S OBLIGATIONS. Landlord is responsible for maintaining Property, including snow removal, and generally ensuring that Property can be used for parking.

11. TERMINATION BY TENANT. Tenant may terminate this Rental Parking Agreement only upon Tenant's thirty- (30) day prior written notice of termination mailed or delivered to Landlord's Address. Upon said termination, Tenant shall receive a prorated refund of any prepaid rent, less a $25.00 termination fee.

12. TERMINATION BY LANDLORD. Landlord may terminate this Rental Parking Agreement at any time upon thirty (30) days prior written notice of termination mailed or delivered to Tenant's Address, whereupon this rental parking agreement shall be deemed cancelled and terminated and Tenant shall retain no further rights in the demised Parking Space. Any prepaid and unearned rent shall be returned to Tenant.

13. SALE OF PROPERTY: Should Landlord sell Property this Agreement shall become null and void and of no further force and effect. Tenant shall be responsible for locating up to five (5) parking spaces within 600 feet of 584 Main Street, Poughkeepsie, NY.

14. GOVERNING LAW. This Rental Parking Agreement is to be governed by the laws of New York State. If any of the conditions or terms hereof conflict with any such law, then such terms or conditions shall be deemed modified and amended to conform to such law.

15. HEADINGS. The heading preceding each paragraph herein is inserted merely as a matter of convenience, and shall not be deemed to be a part of the agreement terms.

16. SEVERABILITY. The invalidity of any provision of this agreement or of its application to any person or circumstance as determined by any governmental agency or court shall in no way affect the validity of any other provisions hereof and all other terms of this agreement shall be valid and enforceable to the fullest extent permitted by law.

17. MODIFICATION. The parties acknowledge that there are no representations and warranties with respect to this Rental Parking Agreement except as expressly stated herein. This lease may not be modified except in writing and signed by both parties.

**LANDLORD:**
12 Lexington Avenue LLC
3 Morgan Drive, Unit #362, Mount Kisco, NY 10549

BY: _____
Authorized Signature

DATE: 9/29/21

**TENANT:**
584 Main Street LLC
1397 Second Avenue, Suite 170, New York, NY 10021

BY: _____
Tenant Signature

DATE: 9/29/21

The Community Preservation Corporation
480 Bedford Road, Suite 4201
Chappaqua, New York 10514

March 25, 2021

Mr. Mark Lehman
Principal
Rosewalk Properties, LLC
email – mark@rosewalkproperties.com

**Re: 584 Main Street, Poughkeepsie**

To whom it may concern:

Mr. Mark Lehman and Mr. Wulf Lueckerath have a long-standing relationship with The Community Preservation Corporation (CPC) and are considered highly valued clients. Over the past several years, CPC has financed the rehabilitation of over 10 properties in Poughkeepsie consisting of over 100 apartments and commercial spaces in which Mr. Lehman and Mr. Lueckerath have either substantially improved the quality or newly created safe affordable housing in the core of the City. They have always performed as expected and are currently in good standing with CPC.

CPC is both interested and excited to provide capital for multi-family redevelopment in Poughkeepsie and throughout New York State. CPC has been in discussion with Mr. Lehman and Mr. Lueckerath regarding financing for the redevelopment of 584 Main Street and we are excited to move forward with them once the approvals are in place. Upon notification of planning board approval, CPC will begin the process of loan approval for the redevelopment.

I look forward to working with Mr. Lehman and Mr. Lueckerath on this project as they seek to bring more safe and affordable housing to the City of Poughkeepsie.

Should you have any questions, please feel free to contact me.

Best Regards,

Michael Kroog Digitally signed by Michael Kroog
Date: 2021.03.25 10:00:05 -04'00'

Michael Kroog
Vice President, Mortgage Officer
P – (914) 801-1065
E - mkroog@communityp.com

Corinthian Group, LLC
c/o Rosewalk Properties LLC
1397 Second Avenue, Suite 170
New York, NY 10021

**Natalie Quinn**
Senior Planner
City of Poughkeepsie
62 Civic Center Plaza
Poughkeepsie, NY 12601

Re: ***584 Main Street Parking Waiver***

Dear Ms. Quinn:

Corinthian Group, LLC (the "Buyer" – Wulf Lueckerath & Mark Lehman) is submitting the Planning Board package for 584 Main Street, Poughkeepsie, NY. The Buyer received a "Use Variance" approval from the Zoning Board of Appeals on 03/09/2021 to add Residential and Office uses.

584 Main Street is currently used as a furniture store (Ken's Furniture) with related storage space. The property is in disrepair, with several windows boarded up and material deferred maintenance to both the interior and exterior. Due to the existing conditions, we expect to demolish some of the ancillary structures and build an addition to make the full building three stories.

The existing buildings at 584 Main Street take up almost all of the existing lot. The main structure is located at the corner of Main Street and Palmer Avenue with a small one-story garage located on Palmer Avenue. There is a small patch of grass with a buried 1,000-gallon oil tank between the 2 structures (oil tank will be removed as part of redevelopment).

Due to the existing structures having been built to the lot line on Main Street and Palmer Avenue, and the small addition anticipated to be built in the back of the existing main building, we are asking for a Parking Waiver. There are two municipal parking lots located within close proximity of 584 Main Street. One, at 17 Palmer Avenue, is located directly behind our property. The second municipal lot is located on the eastbound East-West Arterial, between Lexington and Manitou Avenues. In addition, we have received written agreement from the owner of Pete's Famous Restaurant (at 618 Main Street) to allow the Buyer to use up to 10 of his on-site parking spaces (please see attached letter).

Feel free to contact either Mark or me with any questions or concerns in advance of the April Planning Board meeting. Thank you.

Regards,

Wulf Lueckerath
Corinthian Group, LLC

Hudson River Housing, Inc.

313 Mill Street
Poughkeepsie, NY
(845) 454-5176 (P)
(845) 485-1641 (F)
www.hudsonriverhousing.org

NeighborWorks® CHARTERED MEMBER

August 28, 2020

**Board of Directors**

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***Vice-President***
Roderick MacLeod

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Carol Stevens
Lorna Thompson

**Executive Director**
Christa Hines

Common Council Members
City of Poughkeepsie
Municipal Building, P.O. Box 300
Poughkeepsie, NY 12602

RE: 584 Main Street

Dear Council Members,

Hudson River Housing is once again interested in partnering with Wulf Lueckerath and Mark Lehman to create affordable housing in the City of Poughkeepsie. To date this partnership has created 23 units of housing that are guaranteed to have long term affordability. We look forward the creation of up to 29 more units at 584 Main Street.

Hudson River Housing plans to manage these units for very low-income individuals and families, something that continues to be of great need in the City. In addition, we plan to have a role in the commercial spaces created in this project by incorporating elements of our Workforce Training Programs.

We are in full support of this application to the City of Poughkeepsie Common Council and it is our hope that concessions can be made to help this project move forward. Please don't hesitate to contact me with any questions. Thank you.

Sincerely,

Mary Linge

Mary Linge
Director of Real Estate Development

# Pete's Famous Restaurant

618 Main Street
Poughkeepsie, New York 12601

Corinthian Group LLC
1397 Second Avenue, Suite 170
New York, NY 10021

September 16, 2020

Re: ***Parking for 584 Main Street***

Dear Wulf:

We understand that you are in contract to purchase 584 Main Street and seeking approvals from the City of Poughkeepsie for various improvements to such property.

This confirms that we can provide up to ten (10) parking spots at 618 Main Street for use by tenants at 584 Main Street once your entity has purchased 584 Main Street and completed all the renovations there.

We understand that you intend to provide this letter to the City of Poughkeepsie Common Council in support of your applications for approvals.

Sincerely:

**PETE'S FAMOUS RESTAURANT**

By: _____

Name: James Drivas

Title: Owner

Hooker 21, LLC
P.O. Box 55
Thornwood, New York 10594

August 5, 2020

Re: 584 Main Street

Dear J. Allen:

In connection with our contract with respect to 584 Main Street, Poughkeepsie, New York ("**584 Main**"), we will be making various submissions and filings to the City of Poughkeepsie's common council, planning board, zoning board of appeals and various other agencies and entities for 584 Main. We are required to obtain an authorization letter from Hooker 21, LLC, as owner, to make submissions and filings with respect to 584 Main. This letter serves as a formal request of authorization to make the submissions and filings described above with respect to 584 Main.

CORINTHIAN GROUP LLC

By: _____
Wulf Lueckerath, Member

If this request is approved, please sign and print below.

HOOKER 21, LLC

By: _____
J. Allen Britvan
Member

I, J. Allen Britvan, in my capacity as member of Hooker 21, LLC, the current owner of 584 Main Street, Poughkeepsie, NY, authorize Corinthian Group LLC or any of its subsidiaries or partner companies to make submissions and filings to the City of Poughkeepsie's common council, planning board, zoning board of appeals and various other agencies and entities with respect to such property.

Salvation Army The
120 West 14Th St
New York, NY 10011
For Property:13130000616100244479610000

Anthony Spica
3 Blueberry Ln
Putnam Valley, NY 10579
For Property:13130000616100244589670000

Kevin L. Pellon
454 Maple St
Poughkeepsie, NY 12601
For Property:13130000616100244619650000

Eloy Castellanos
17 Jewett Ave
Poughkeepsie, NY 12601
For Property:13130000616100244839430000

Seila Holdings LLC
1335 7th St W Apt E-1
Brooklyn, NY 11204
For Property:13130000616100243939340000

Saverio Dalia
595 Main St
Poughkeepsie, NY 12601
For Property:13130000616100244589400000

Dolores Proctor
19 Jewett Av
Poughkeepsie, NY 12601
For Property:13130000616100244859460000

Carlos Alarcon
18 Jewett Ave
Poughkeepsie, NY 12601
For Property:13130000616100244629530000

Herma M. Baker
16 Jewett Ave
Poughkeepsie, NY 12601
For Property:13130000616100244619490000

Jose Benjamin Alarcon
18 Jewett Ave
Poughkeepsie, NY 12601
For Property:13130000616100244649560000

558 Main Street LLC
267 Mill St
Poughkeepsie, NY 12601
For Property:13130000616100244009400000

Darrell M. Hayes
14 Jewett Ave
Poughkeepsie, NY 12601
For Property:13130000616100244609450000

JDM Hudson Group LLC
PO Box 4755
New Windsor, NY 12553
For Property:13130000616100244839280000

Calvin Cooper
2 Eileen Blvd
Poughkeepsie, NY 12603
For Property:13130000616100244519340000

Rudolf H. Kopecky
13 Jewett Ave
Poughkeepsie, NY 12601
For Property:13130000616100244859360000

Seila Holdings LLC
1335 7th St W Apt E1
Brooklyn, NY 11204
For Property:13130000616100244069350000

Salvation Army The
PO Box 9134
Bardonia, NY 10954
For Property:13130000616100244129240000

Michael Cariello
11 Jewett Ave
Poughkeepsie, NY 12601
For Property:13130000616100244849320000

JJR Main LLC
585 Main St
Poughkeepsie, NY 12601
For Property:13130000616100244479360000

Saverio Dalia
595 Main St
Poughkeepsie, NY 12601
For Property:13130000616100244589290000

Irving J. Scott, III
10 Jewett Ave
Poughkeepsie, NY 12601
For Property:13130000616100244619350000

Saverio Dalia
595 Main St
Poughkeepsie, NY 12601
For Property:13130000616100244619270000

Anthony Pitino
14 College Av
Poughkeepsie, NY 12603
For Property:13130000616100244269240000

A H J P LLC
1 Fountain Brook Ave
Poughkeepsie, NY 12603
For Property:13130000616100244839400000

Hooker 21 LLC
PO Box 55
Thornwood, NY 10594
For Property:13130000616100244399170000

Edgar Rivera
363 Church St
Poughkeepsie, NY 12603
For Property:13130000616100244099040000

Susan Lynn Silkworth
359 Church St
Poughkeepsie, NY 12601
For Property:13130000616100243959080000

Anthony Pitino
14 College Av
Poughkeepsie, NY 12601
For Property:13130000616100244239180000

Walter Mayorga
367 Church St
Poughkeepsie, NY 12601
For Property:13130000616100244169040000

600 Main Street LLC
205 Riverside Ave S
Croton On Hudson, NY 10520
For Property:13130000616100244589070000

RFAKHOURY Inc
8 Todd Hill Rd
Poughkeepsie, NY 12603
For Property:13130000616100244529110000

Poughkeepsie FDS 2195 LLC
106 Foster Ave
Charlotte, NC 28203
For Property:13130000616100244889140000

Robert J. Mahig
PO Box 1031
Wappingers Falls, NY 12590
For Property:13130000616100244199040000

Patricia A. Baumann
361 Church St
Poughkeepsie, NY 12601
For Property:13130000616100244049030000

Susan Lynn Silkworth
359 Church St
Poughkeepsie, NY 12601
For Property:13130000616100244009070000

CSJC Associates LLC
PO Box 1755
Poughkeepsie, NY 12601
For Property:13130000616100244129040000

Sleektech Properties LLC
5814 12th Ave
Brooklyn, NY 11219
For Property:13130000616100243889090000

Irving Scott
10 Jewett Ave
Poughkeepsie, NY 12601
For Property:13130000616100244229040000

City Of Poughkeepsie
PO Box 300
Poughkeepsie, NY 12602
For Property:13130000616100244399040000

Ada A. Perez
381 Church St
Poughkeepsie, NY 12601
For Property:13130000616100244459020000

L & R Properties LLC
632 Main St
Poughkeepsie, NY 12601
For Property:13130000616100244838950000

City of Poughkeepsie
62 Civic Center Plz
Poughkeepsie, NY 12601
For Property:13130000616100244308990000

Giovanna Nesheiwat
167 Grand Ave N
Poughkeepsie, NY 12603
For Property:13130000616100244269010000

Eastman USA Inc
77 Starmill Rd
Fishkill, NY 12524
For Property:13130000616100244558980000

GAGP Inc
618 Main St
Poughkeepsie, NY 12601
For Property:13130000616100244689000000

379 Church Street LLC
6 Bennett Rd
Poughkeepsie, NY 12601
For Property:13130000616100244429000000

Ruben A. Vele
385 Church St
Poughkeepsie, NY 12601
For Property:13130000616100244509010000

Sleektech Properties LLC
5814 12th Ave
Brooklyn, NY 11219
For Property:13130000616100243919040000

Eastman USA Inc
77 Starmill Rd
Fishkill, NY 12524
For Property:13130000616100244588980000

Abdul Real Estate LLC
56 Sutton Park Rd
Poughkeepsie, NY 12603
For Property:13130000616100244289080000

Edward J. Stufano, Jr
10 Chase Dr 48D
Fishkill, NY 12524
For Property:13130000616100244748830000

Saverio Dalia
595 Main St
Poughkeepsie, NY 12601
For Property:13130000616100244698820000

388 Church Street LLC
381 Chestnut Ct
Yorktown Heights, NY 10598
For Property:13130000616100244588830000

Saverio Dalia
595 Main St
Poughkeepsie, NY 12601
For Property:13130000616100244638830000

Redl Real Estate LLC
80 Washington St Ste 100
Poughkeepsie, NY 12601
For Property:13130000616100244749220000

Nicolas Rudner
20 Dean St
Poughkeepsie, NY 12601
For Property:13130000616100244649660000

Kenneth Kari
17 Terranova Dr
Hopewell Junction, NY 12533
For Property:13130000616100244699590000

JJR Main LLC
585 Main St
Poughkeepsie, NY 12601
For Property:13130000616100244389400000

JJR Main LLC
585 Main St
Poughkeepsie, NY 12601
For Property:13130000616100244409510000

Grethel Smith-Bell
39 Marshall St
Poughkeepsie, NY 12601
For Property:13130000616100244069580000

Main White Apartments LLC

Ariel Cordova

Soul Saving Station

1397 2nd Ave Ste 170
New York, NY 10021
For Property:13130000616100244049590000

550 Main St
Poughkeepsie, NY 12601
For Property:13130000616100244239460000

4 Pershing Av
Poughkeepsie, NY 12602
For Property:13130000616100244269530000

Anton Ljuljic
565 Main St
Poughkeepsie, NY 12601
For Property:13130000616100244089550000

Osbourne Vale
8 White St N
Poughkeepsie, NY 12601
For Property:13130000616100244049690000

Pandemonium Realty LLC
31188 Route 9W
New Windsor, NY 12553
For Property:13130000616100244279630000

Kahana & Co LLC
70 Red School House Rd
Chestnut Ridge, NY 10977
For Property:13130000616100243879300000

James H. Johnson
19 White St S
Poughkeepsie, NY 12601
For Property:13130000616100243869190000

Blue House Assn Inc
13 S White St
Poughkeepsie, NY 12601
For Property:13130000616100243879240000

Kevon Richards
354 Church St
Poughkeepsie, NY 12601
For Property:13130000616100243998850000

City Of Poughkeepsie
15 College Ave
Poughkeepsie, NY 12601
For Property:13130000616100324258730000

Ivan Carrera
356 Church St
Poughkeepsie, NY 12601
For Property:13130000616100244038850000

Melvin Varughese
21 Winter Park Dr N
Hopewell Junction, NY 12533
For Property:13130000616100244148850000

Shane Bartholomew
70 Whittier Blvd
Poughkeepsie, NY 12603
For Property:13130000616100244118850000

Michael Conrad Brophy
25 Wilbur Blvd
Poughkeepsie, NY 12603
For Property:13130000616100324488690000

Avraham Yedidya
94 Shelter St
Rochester, NY 14611
For Property:13130000616100244078850000

Printing tips for labels.
Download or Open CSV file.

"Received ZBA - Use Variance approval on 03/09/21 for "Residential" & "Office" uses."

MEMORANDUM

To: Zoning Board of Appeals, City of Poughkeepsie

From: Wulf Lueckerath and Mark Lehman, Prospective Purchasers of 584 Main Street, Poughkeepsie, NY

Date: February 16, 2021

The majority of the Permitted Uses under the C-2A zoning code are now defunct and therefore do not apply to this new redevelopment, when you consider that this Property is located along Main Street in the City of Poughkeepsie. Under the current C-2A zoning code, residential and office uses are not permitted uses. Additionally, due to the Main Street location and the project's constrained property size, some of the C-2A permitted uses such as "cold storage plant, beverage distribution, baking and other food processing plant" are all more suited to, and belong in, an Industrial / Warehouse area. These industrial parcels would consist of larger floor plates and be more accessible to larger trucks with large parking lot requirements).

This stretch of Main Street in Poughkeepsie (and indeed most of Main Street in general), does not need another "deli, barber shop, used car sales lot" or auto repair shop. Main Street is already saturated with these uses, and delis and convenience stores cause trespassing and loitering. Currently almost all of the other uses along Main Street are gas stations, restaurants, and small retail storefronts. Moreover, the existing retail stores likely reflect the struggling brick and mortar retail industry overall as more consumers shop online.

Therefore, to develop this building to its maximum potential and highest and best use given its current configuration, lot size, and location, a complete gut-rehabilitation to create a mixed-use development with market-rate multifamily residential and ground-floor commercial is required. Similar properties we have recently gut-rehabbed with much success include 400 Maple Street and 12 South Hamilton Street.

**THE CITY OF POUGHKEEPSIE**
**NEW YORK**
**PLANNING & ZONING**
62 CIVIC CENTER PLAZA, 2ND FLOOR
POUGHKEEPSIE, NY 12601
Phone: (845) 451-4055 Fax: (845) 451-4006

# MEMORANDUM OF TRANSMITTAL

**To:** Common Council

**From** Natalie Quinn, Director of Planning

**Date:** January 11, 2021

**Re:** Rezoning Application for 584 Main Street

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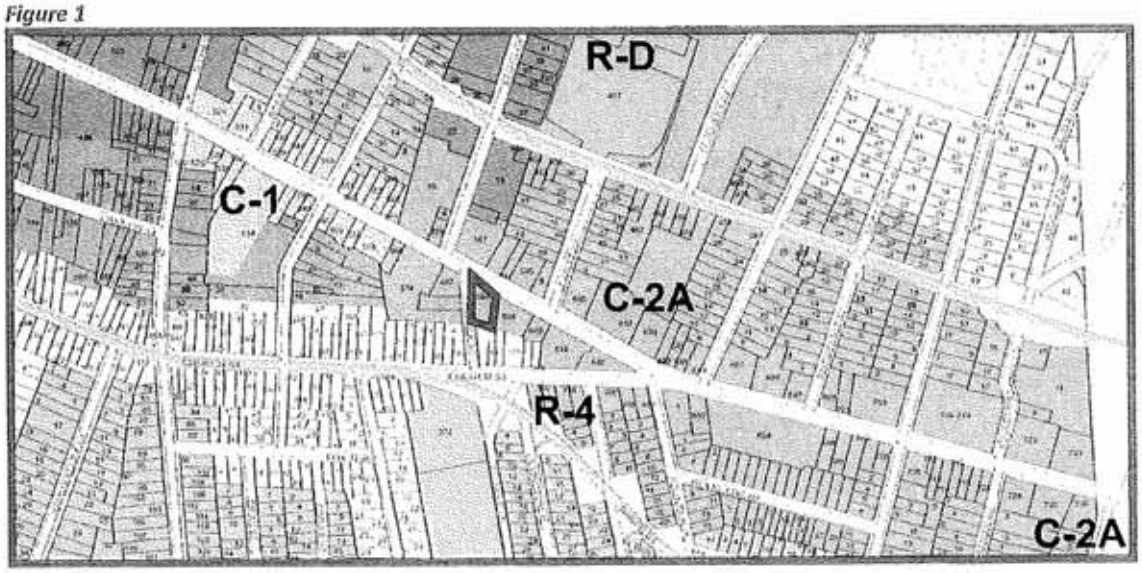
The property at 584 Main Street is currently zoned as Main Street Commercial (C-2A). The applicants, Mark Lehman and Wulf Lueckerath, request that the zoning code be amended to allow for professional office and multifamily residential to be developed on site. The C-2A district currently does not permit either use, whether standalone or mixed within a single structure.

Based on the applicant's request, there are two options the Common Council may consider. The Council may choose to investigate the possibility of a map change to rezone the single parcel in question to another zoning designation. Alternatively, the Common Council may choose to pursue a text amendment to add the proposed two uses as permitted uses within the C-2A district. It is the opinion of planning staff that a text amendment would avoid potential accusations of spot zoning by looking more holistically at the district, not just the single parcel, and would result in a more strategic and long term solution. Thus, the following analysis investigates the preferred option of a text amendment, but an investigation of other potentially appropriate zoning designations can be carried out upon request of the Common Council.

***LOCATION COMPATIBILITY***

The property at 584 Main Street is located in the only Main Street Commercial (C-2A) district within the city. The C-2A district is located on the central-eastern portion of the city, and it governs properties on either side of Main Street from mid-block between White Street and Pershing Avenue to the eastern boundary of the city. As illustrated in the map below, the properties bordering the proposed site to the north, east and west are zoned similarly as Main Street Commercial (C-2A). Properties to the south are zoned as Central Low Density Residential (R-2A).

*Figure 1*




Planning staff examined existing uses within the C-2A district to determine if the proposed multi-family residential and office uses are compatible with the existing character of the district. There are currently 53 parcels within the existing C-2A district. Nine (9) parcels contain residential uses ranging from two-family residential homes to multi-family residential buildings. Ten (10) parcels contain mixed-use buildings with commercial uses on the ground floor and residential uses on the second and third floors. Twenty-seven (27) parcels contain commercial uses, including banks, grocery stores, restaurants, fast food establishments, and cleaners, with ten parcels containing commercial businesses catering to automobiles, such as repair shops, rental facilities, and car washes. The remaining seven (7) parcels within the C-2A district include community services, such as places of worship and the Salvation Army, and vacant structures. It should be noted that a number of the ground floor commercial spaces in the mixed use buildings noted above may also be vacant. In summary, a number of pre-existing non-conforming residential units already exist within the district, and one office space exists within a mixed-use building.

Planning staff also examined permitted uses within the surrounding districts to determine if the proposed additions to the C-2A district would be incompatible with neighboring properties. Examining the C-2A district in its entirety, the district is abutted by Medium High-Density Residential (R-4) on a majority of its northern and southern boundaries. Smaller portions of the district are abutted by General Commercial (C-3), Neighborhood Commercial (C-1), Central Medium-Density Residential (R-3A), and Central Low-Density Residential (R-2A) on the western end of the district.

The predominately abutting R-4 district permits multi-family residential to be developed in standalone buildings, but the R-3A district only permits multi-family of up to four units to be developed in existing structures. The R-3A and R-2A districts also permit single-family and two-family residential construction. The abutting commercial districts, C-3 and C-1, both permit residential as a means of preserving existing buildings.

The abutting R-4 and C-1 districts do permit professional or business offices with certain requirements. The R-4 district permits offices as part of a multifamily dwelling, subject to specific requirements regarding the size and location of the office space on the first floor. The C-1 district permits offices in standalone buildings, but those uses must be 8,000 SF or less and serve the needs of the immediate neighborhood. Professional and business offices are not a permitted use in the abutting C-3, R-3A, or R-2A districts.

***INTENT AND OBJECTIVES OF THE PROPOSED REZONE DISTRICT***

The stated purpose of the C-2A Zoning District is to "provide for a wide range of commercial uses which would normally be located on roadways that experience high traffic volumes and that are located adjacent to or in close proximity to residential uses."[1] In the nearby C-1, C-2, and C-3 commercial zoning districts, residential uses are allowed by special permit in existing structures, while the C-2 district also allows for new multi-family construction. Furthermore, Section 19-3.21 contains a statement of intent for all commercial districts, which claims the intent "to provide for residential development, particularly small units, in appropriate locations within central and neighborhood commercial areas as a means of making existing structures viable, providing built-in support for businesses and providing additional housing supply."[2]

**COMPREHENSIVE PLAN**

The proposed parcel is included within the Main Street Economic Development Area within the City's 1998 Comprehensive Plan. The Upper Main Street section, Clinton Street to Grand Avenue, is identified as one of the three target areas along Main Street. With regards to potential uses and strategies for this portion of the Main Street, the Comprehensive Plan is relatively silent on uses, and instead focuses on the need for a building analysis and code enforcement to reduce the number of vacant and potentially dangerous structures on the 500 block. The Comprehensive Plan also recommends "streetscape improvements to complement that found on the 200 and 300 blocks and a façade improvement program" (Section 5.0, Page 5-10).

***ANALYSIS & CONCLUSION***

It is the opinion of the Planning Department that the addition of residential uses to the C-2A district would not negatively impact the surrounding neighborhood, and would be in line with the city's Comprehensive Plan. It is the opinion of the Planning Department that residential should be added as a special permit use, with the following language:

---

[1] https://ecode360.com/27016514
[2] https://ecode360.com/27016311

- Multiple dwellings in new structures at urban density (R-6), provided that the first floor is devoted to commercial use; and further provided that the usable open space requirements of Section 19-3.15(4)(i) are satisfied.
- As a means of preserving existing sound buildings, especially historically or architecturally significant structures, as well as to encourage population in the central business area and provide an additional housing resource, conversion of existing buildings that do not meet minimum lot size requirements to residential use or additional residential units, provided that:
  - (i) A building is in existence on the effective date of this Chapter.
  - (ii) All Main Street-facing ground floor uses shall be limited to nonresidential uses.
  - (iii) No dwelling unit shall contain more than two bedrooms.
  - (iv) The minimum floor area of a dwelling unit not containing a separate bedroom shall be 400 square feet.
  - (v) The minimum floor area of a one-bedroom dwelling unit shall be 600 square feet.
  - (vi) The minimum floor area of a two-bedroom dwelling unit shall be 750 square feet.
  - (vii) Off-street parking space shall be provided in accordance with the requirements of Section 19-4.3 of this chapter, and such space shall be located within 600 feet of the premises.

Furthermore, it is the opinion of the Planning Department that the addition of professional or business office uses to the C-2A district would not negatively impact the surrounding neighborhood, and would be in line with the city's Comprehensive Plan as a means of "reduc[ing]" the number of vacant and potentially dangerous structures" within the district. Professional and business offices are a permitted use in the C-1 district immediately west of the C-2A district, and there is one existing professional office use within the C-2A district. It is the opinion of the Planning Department that office should be added as a special permit use, with the following language:

- Business, professional or governmental offices.

Begin forwarded message:

**From:** "Knauss, Judith" <JKnauss@cityofpoughkeepsie.com>
**Date:** July 22, 2020 at 14:36:56 EDT
**To:** Donald Petruncola <dpetruncola@lmvarchitects.com>
**Cc:** "wlueckerath@yahoo.com" <wlueckerath@yahoo.com>
**Subject: 584 Main Street**

The Planning Department is in receipt of additional materials relative to your zoning review request in conjunction with the possibility of converting the building at 584 min Street from a furniture store with associated storage to a mixed use building with commercial use (retail/restaurant/office) on the ground floor and apartments on the second and third floors. These materials include a preliminary site plan indicating demolition of out buildings and construction of a three story addition that will cover the entire lot (and including an addition to the existing two story portion of the building). This review supplements the discussion of our meeting on 7/1/20.

As you are aware, the property at 584 Main Street is located in an area of the City of Poughkeepsie zoned Main Street Commercial (C-2A) District.
The project has been reviewed for compliance with the permitted uses and the lot and bulk requirements of the Zoning Ordinance relative to that district, and the following deficiencies have been noted to exist:

1) Section 19-3-23.1(2) does not list residential uses as permitted uses. However, mixed use buildings are permitted, pursuant to the provisions of Section 19-3.23.1(2)(a))(18), which states that:

**(i)** All lot and bulk requirements for each use are satisfied.
**(ii)** Separate entrances and exits shall be provided for residential and nonresidential portions of the building.

While (ii) appears to imply that residential uses are allowed by referencing separate entrances, residential uses are not specifically permitted in the district, and there are no lot and bulk requirements provided for residential uses as there generally are in districts where such uses are specifically permitted. Therefore, it would not appear that residential uses are permitted.

2) Section 19-3.23.1(2) does not list offices among the uses permitted in the district;

3) Section 19-3.23.1(4)( c)(1) requires that ten (10) foot front yards be provided: the existing building appears to be set-back one to two feet from the both front property lines (Main Street and Palmer Avenue), and this set-back is proposed to be continued with addition along Palmer Avenue;

4) Section 19-3.23.1(4)(c )(2) requires that side yards of ten (10) feet be provided (please note that relative to corner lots, the Zoning Ordinance mandates that there are two front yards and that one of the other yards be deemed a rear yard and one a side yard): The

existing building has a minimal side yard set-back, no matter which yard is so designated, and there will be virtually no side yard at the addition. Additionally, it appears that an encroachment is existing and proposed;

5) Section 19-3.23.1(4)(c )(3) requires that rear yards of twenty (20) feet be provided (please note that relative to corner lots, the Zoning Ordinance mandates that there are two front yards and that one of the other yards be deemed a rear yard and one a side yard): The existing building has a minimal rear yard set-back, no matter which yard is so designated, and there will be virtually no side yard at the addition. Additionally, it appears that an encroachment is existing and proposed;

6) Section 19-3.23.1(4)(c ) also provides that where a use in a C-2A District is within 50 feet of an R-1 through R-6 District, a landscaped buffer of a least 20 feet shall be provided along the property line: The property abuts an R-2A Zoning District, and no landscape buffer is proposed;

7) Section 19-3.23.1(4)(d) allows a maximum FAR (Floor Area Ratio) of 2.0: The proposed FAR, based on the information provided, is 3.0;

8) Section 19-3.23.1(4)(e ) allows a maximum lot coverage of 60%: the proposed lot coverage is 100%;

9) Section 19-4.3(11) requires that parking be provided as follows: 1 parking space for each 300 square feet of retail use, 1 parking space for each studio unit and 1.5 parking spaces for each 1 bedroom unit: based on the information provided on Sheet A100 (understanding that these numbers may shift as a result of our meeting), the number of spaces required would be 49: No parking is provided on site;

Therefore, the proposal is hereby denied. You may, if you wish, appeal the terms of this denial to the Zoning Board of Appeals, requesting that variances be granted.

Relative to the proposed residential use, you would have three options:

1) File an application to the Zoning Board of Appeals requesting an interpretation as to whether or not residential uses are permitted, inasmuch as they are referenced by Section 19-3.23.1(2)(a)(18);
2) File an application to the Zoning Board of Appeals for a use variance to allow residential uses; or
3) File a request with the Common Council to amend the Zoning Ordinance to specifically permit residential uses in the C2-A Zoning District.

Relative to any proposed office use (other than accessory to another permitted use), you would have two options:

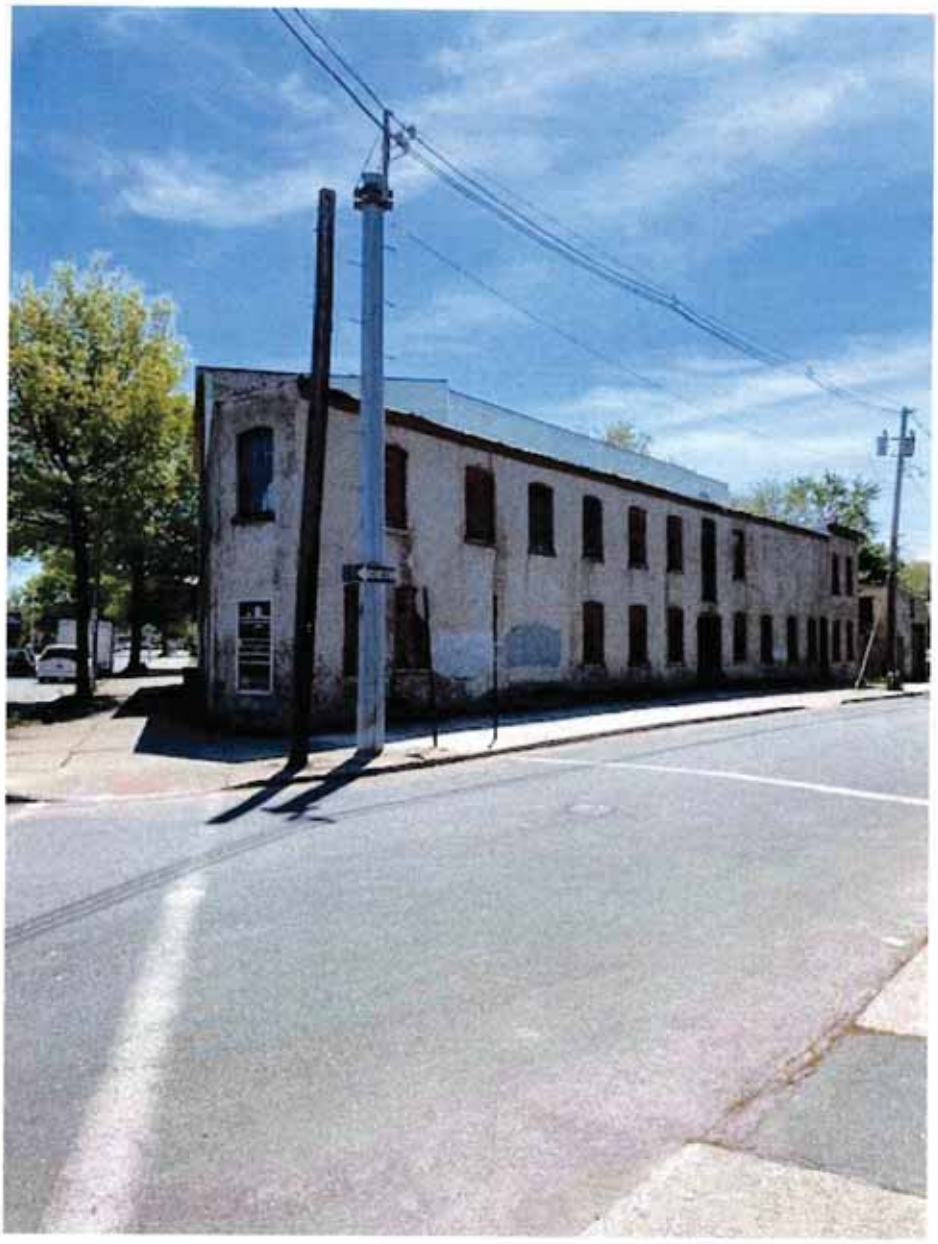
1) File an application to the Zoning Board of Appeals for a use variance to allow offices; or
2) File a request with the Common Council to amend the Zoning Ordinance to permit office uses in the C2-A Zoning District.

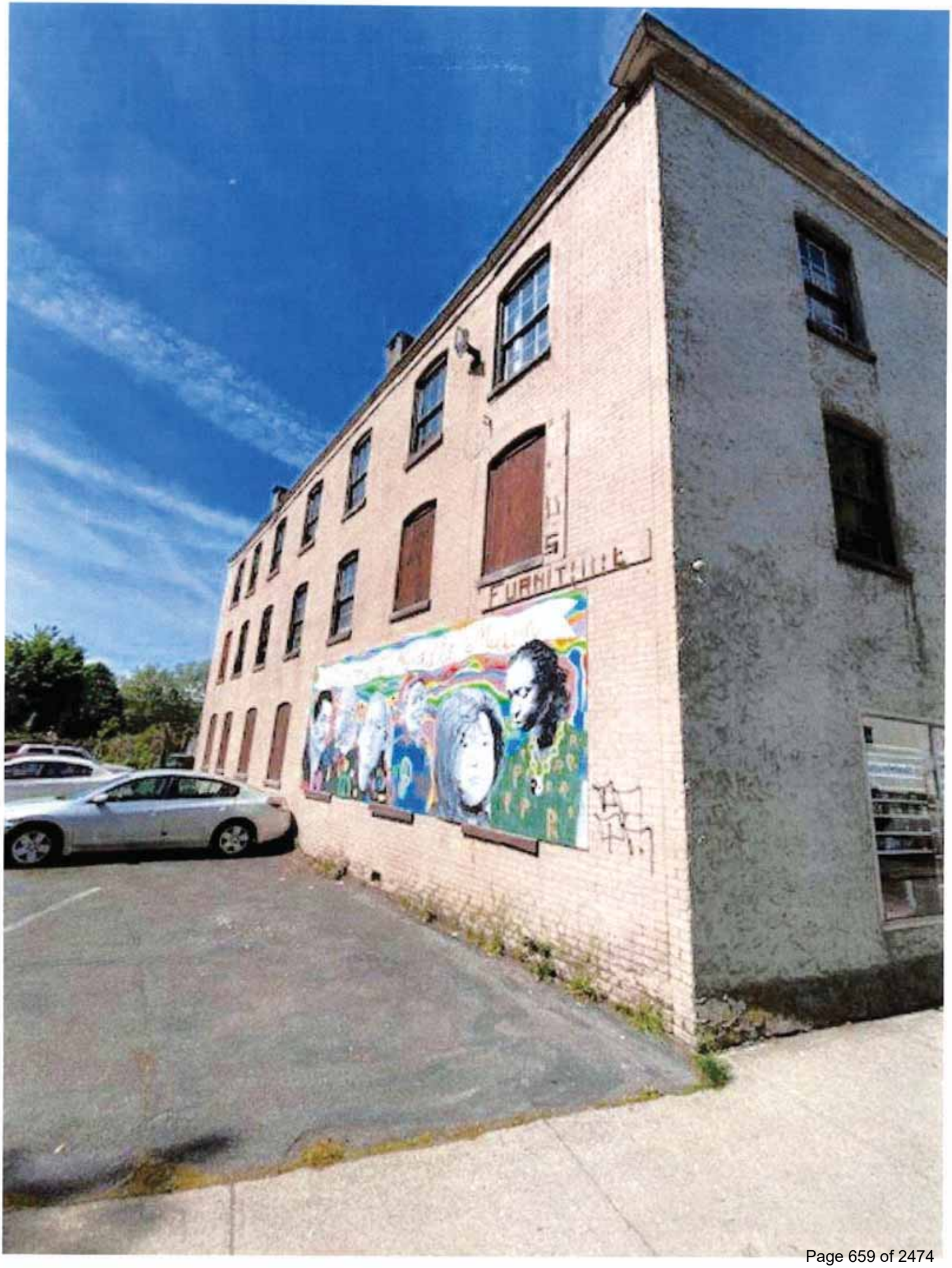
Please note that if variances are granted, and this is by no means guaranteed, it would then be necessary to obtain Site Plan and Special Permit approval from the Planning Board. Following that review, an application for building permit, plans and specifications by a licensed design professional, would be required. The permit would need to be issued, all work inspected and approved, and a new Certificate of Occupancy issued before the new uses could take place.

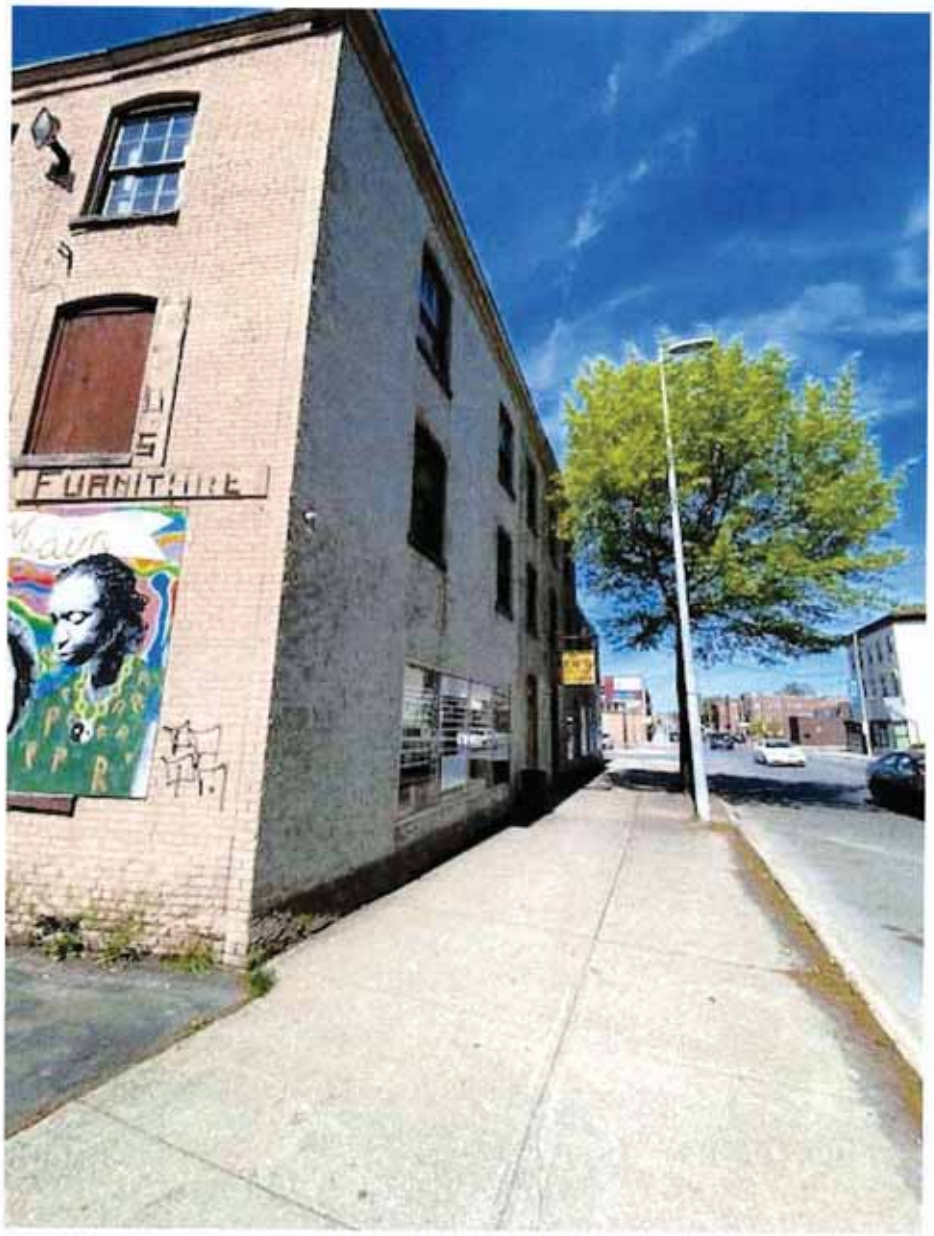
Please also note that as the proposal includes new construction, a survey will be required. It appears as though encroachments on to adjoining property exist and are proposed: this issue will also need to be adequately addressed.

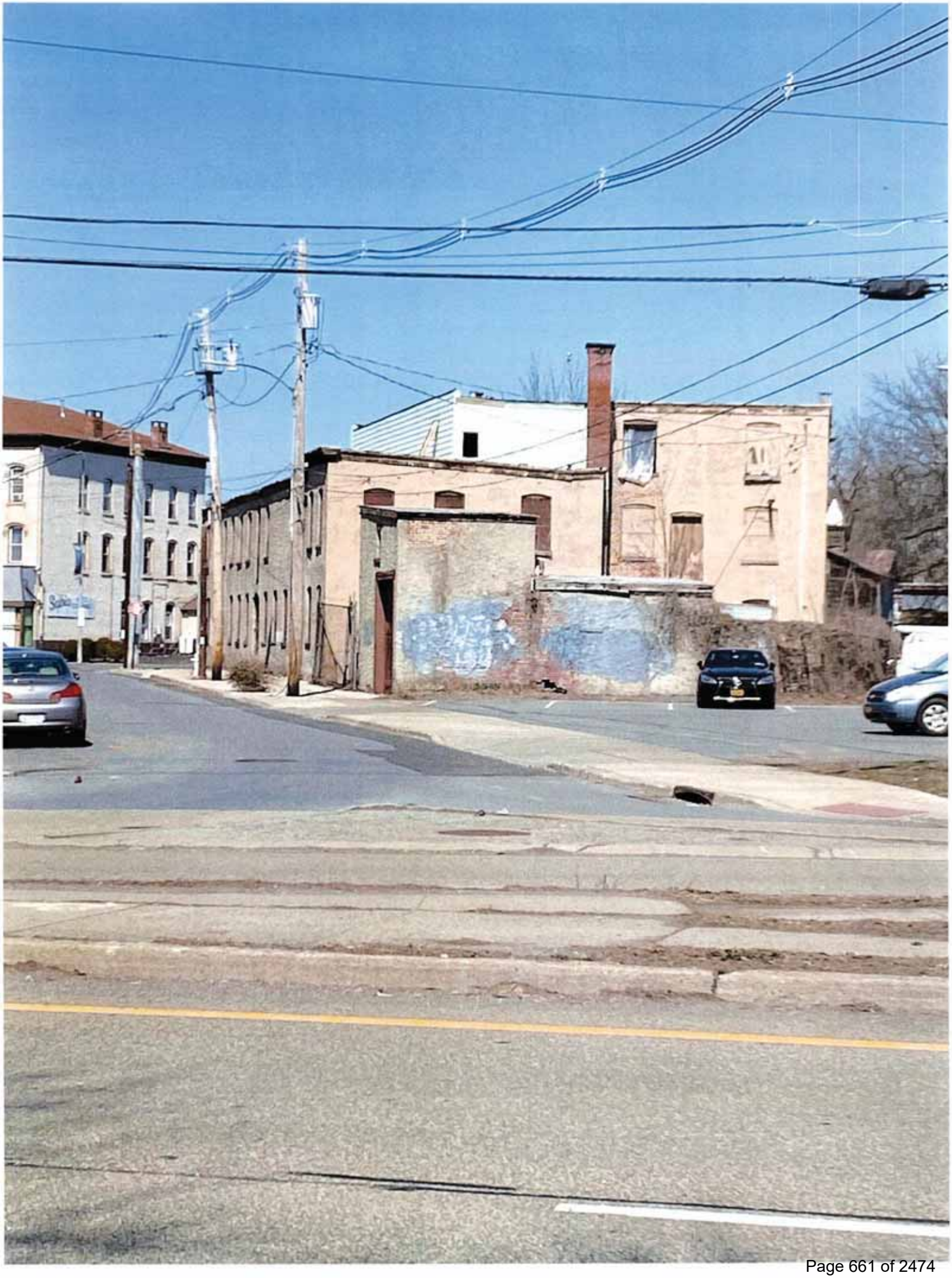
Please feel free to contact me if you have any further questions in this regard.

Very truly yours,
Judith Knauss
Deputy Zoning Administrator

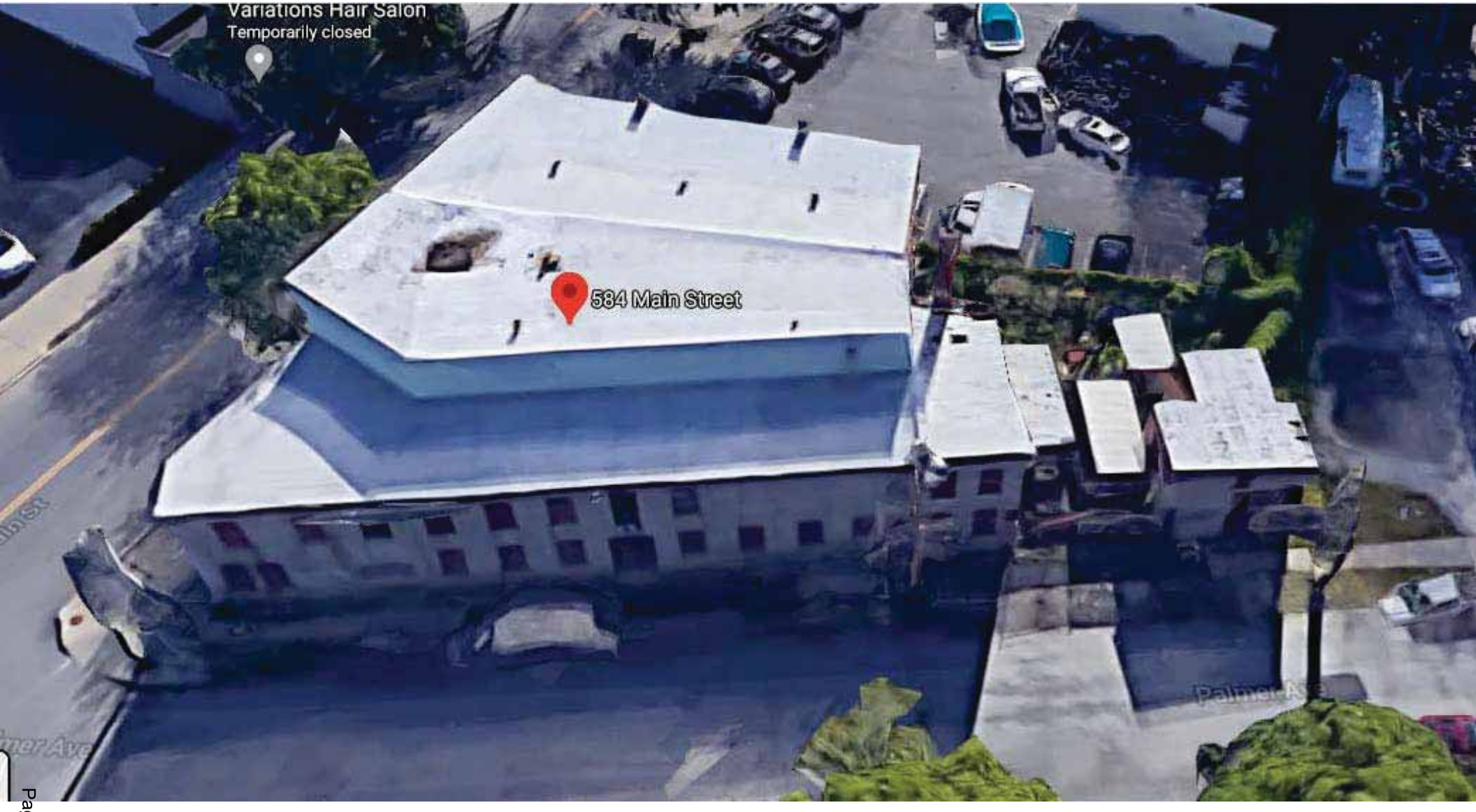





FURNITURE




584 Main Street
Google


Variations Hair Salon
Temporarily closed
584 Main Street


Welcome to Middle Main


FURNITURE
Main St


KEN'S
FURNITURE




ONE WAY


STOP



## MEMORANDUM

To: City of Poughkeepsie Planning Board

From: 584 Main Street LLC

Date: September 5, 2021

Re: 584 Main Street, Poughkeepsie, NY 12601

**INTRODUCTION**

As owners of 584 Main Street we are seeking to convert the currently vacant, dilapidated commercial building into a newly gut-renovated, mixed-use building consisting of 30 residential apartments and 2,500 SF of ground floor commercial space.

**STATUS**

As part of the approval process we secured approval from the Zoning Board of Appeals on 8/10/21 for the full expansion of the site to build those 30 apartments and two ground-floor commercial spaces. We also engaged EnviroClean and they successfully removed the 1,000-gallon underground oil tank. They tested the site and it came back clean (close-out letter available).

**SITE PLAN and ELEVATION REVISIONS**

Here are the revisions we made to the site plan of 584 Main Street;

- Revised site plan by Cronin Engineering incorporating City of Poughkeepsie Civil Engineer comments.
- Updated property elevations and floorplans by our architect, Liscum McCormack VanVoorhis LLP. We incorporated ideas / suggestions from previous planning board meeting and comments from County Planning and the Board's architectural consultant (MAAD Architects).
- Additions / updates include: clapboard siding, LED gooseneck light fixture and number of light fixtures along northern and western facade, shutter style, canopy above residential door entrances, and interior garbage room.
- Existing wood mural to be re-installed (east elevation).
- Samples of Gray Slate colorway and clapboard siding by James Hardie to be provided at meeting.

Thank you for your consideration.

584 Main Street LLC



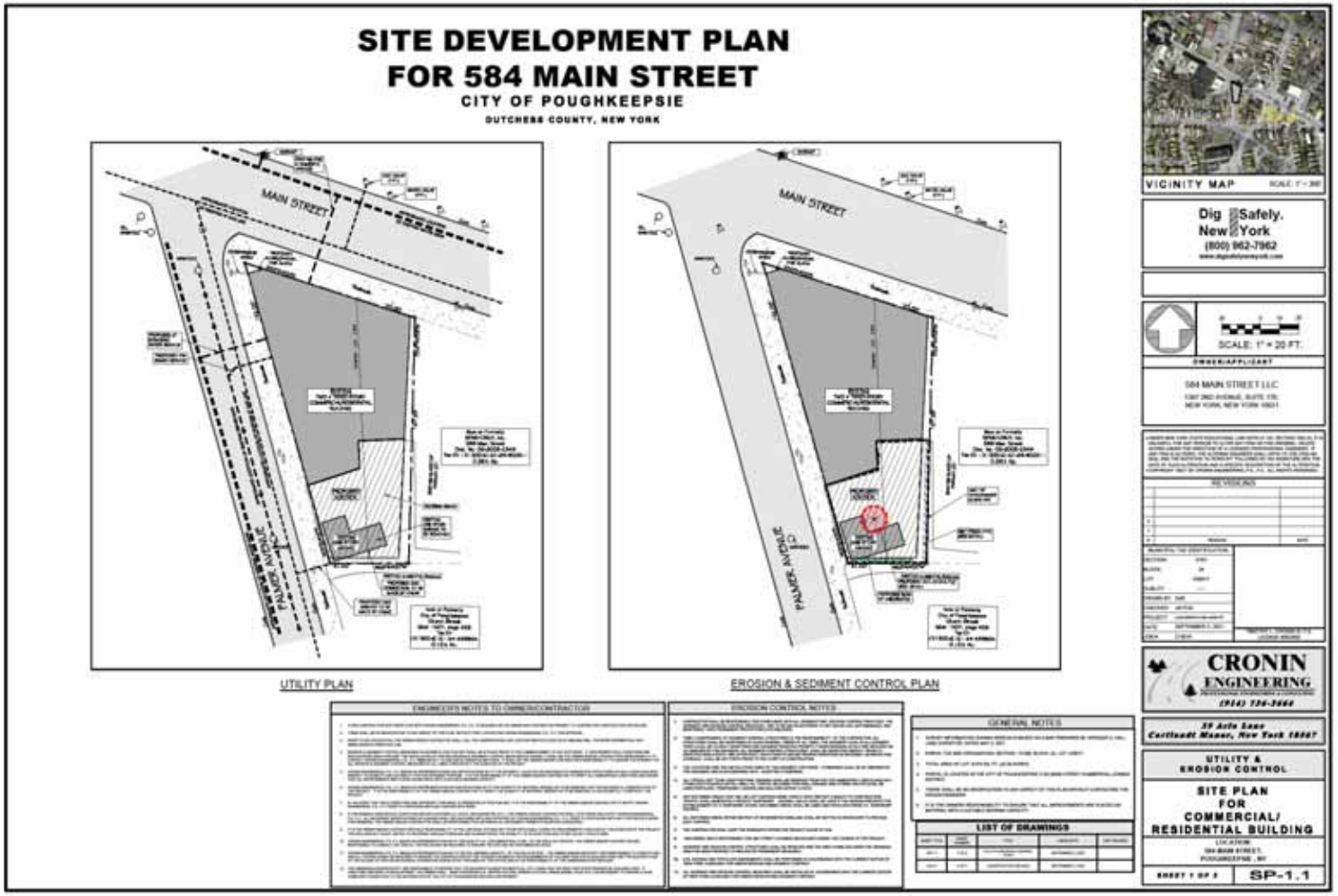



# 584 MAIN STREET LLC

9/21/2021



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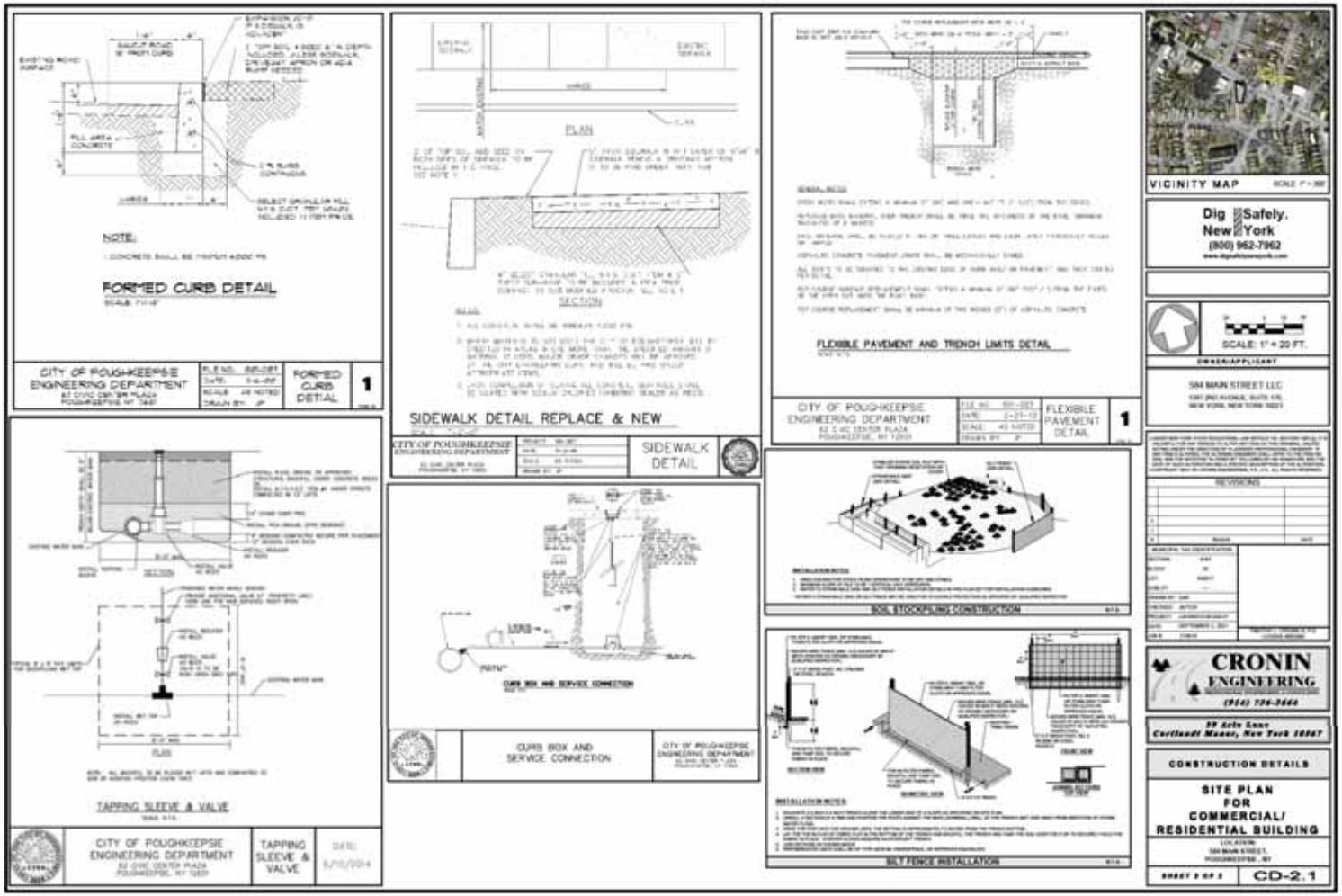



584 MAIN STREET LLC

9/21/2021

2

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# 584 MAIN STREET LLC

9/21/2021



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# 584 MAIN STREET LLC

9/21/2021

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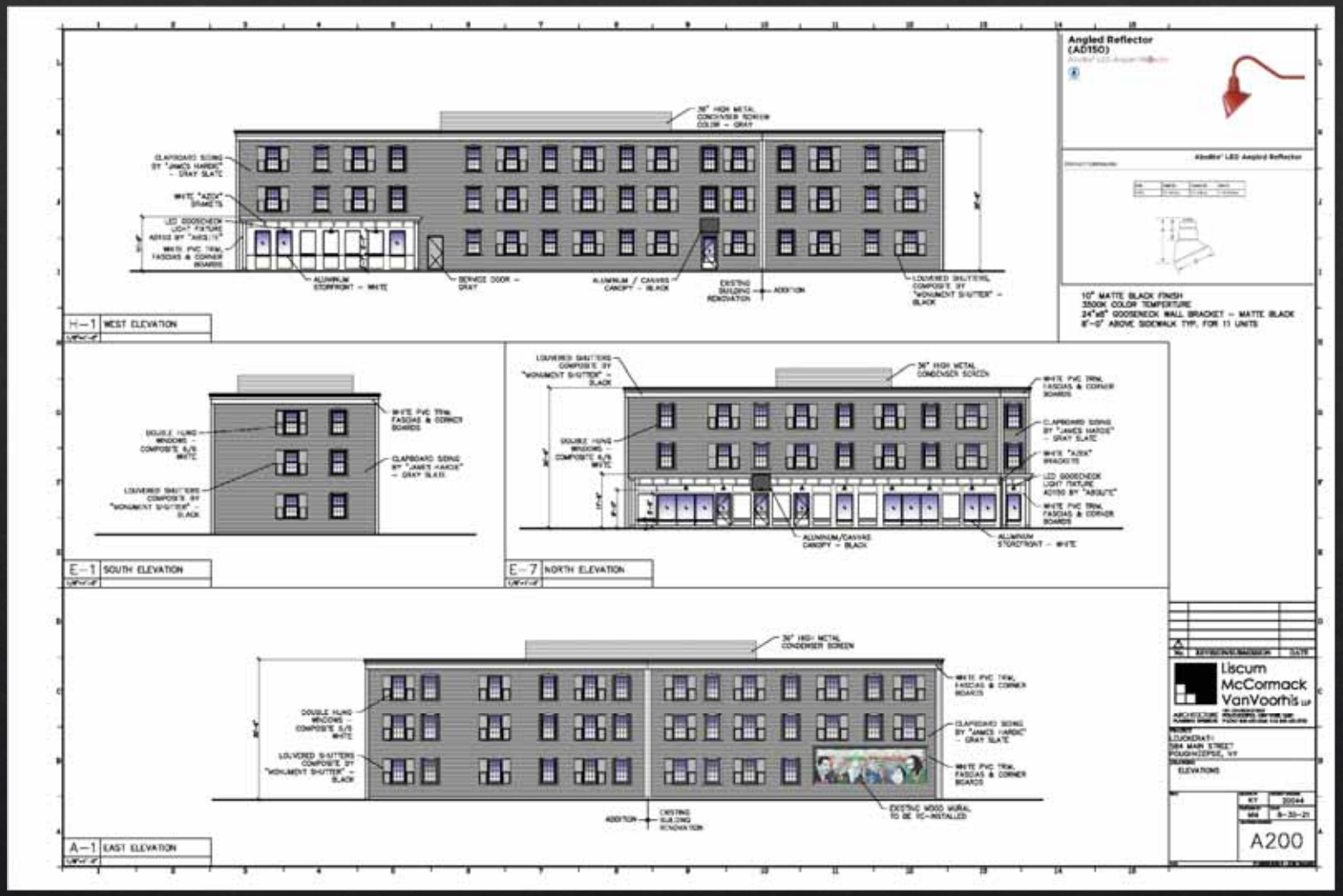


# 584 MAIN STREET LLC

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Natural Day Lighting



Incandescent Lighting



Fluorescent Lighting

James Hardie 7” Clapboard Siding, Wood Grain: Gray Slate

584 MAIN STREET LLC

9/21/2021



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# 584 MAIN STREET LLC

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Gary E. Beck, Jr.
Building Inspector

**THE CITY OF POUGHKEEPSIE**
**NEW YORK**
**BUILDING PLANNING & ZONING**
62 CIVIC CENTER PLAZA, 2ND FLOOR
POUGHKEEPSIE, NY 12601
Phone: (845) 451-4007 Fax: (845) 451-4006

# APPLICATION FOR SITE PLAN, SPECIAL PERMIT APPROVAL & FAÇADE REVIEW

The Zoning Ordinance of the City of Poughkeepsie requires site plan approval by the Planning Board for the following:

(a) The erection or enlargement of all buildings in all districts other than one, two- or three-family residences, except as part of a subdivision and except as provided hereinafter or uses accessory thereto;
(b) All uses of vacant land other than uses accessory to one, two- or three-family houses;
(c) Any change in use or intensity of use which will affect the characteristics of the site in terms of parking, loading, access, drainage or utilities;
(d) Any plan to alter or improve a building facade in any area designated by the Common Council as a landmark or a special historical, architectural or design improvement district;
(e) Any application for a special use permit;
(f) Any use or structure in a flood hazard area;
(g) Any amendment of a previously approved plan;
(h) Any modular construction, pursuant to Section 19-4.20 of the Zoning Ordinance.

Prior to any submission it is highly recommended that potential developers file a Zoning Review Request form and request a pre-submission conference by contacting the Building Planning and Zoning Department. For the Zoning Review Request form go to the Planning Board page on the City website (http://cityofpoughkeepsie.com/planning-board/), and look under *Applications*. The purpose of the form and pre-submission conference is to discuss the proposal so that necessary subsequent steps may be undertaken with a clear understanding of the city's requirements in matters relating to site development.

If Planning Board review is required, ONE (1) COPY of the application form and ONE (1) FULL-SIZE COPY of the proposed site plan must be submitted to the Building Planning & Zoning Department with the appropriate fees, in order to allow review and certification of completeness.

Once an application is deemed complete, six (6) full-size sets, four (4) 11”x17” copies, and one (1) electronic copy of the site plan will be requested by the Planning Department.

The site plan must be at a minimum scale of one (1) inch equals thirty (30) feet, prepared by an architect, landscape architect, civil engineer, surveyor, land planner or other competent person. The following information, in total, shall constitute the site plan:

(a) Legal data:

1. Name and address of the owner of record.
2. Name and address of person, firm or organization preparing the map.
3. Date, North arrow and written and graphic scale.
4. Names of owners of adjoining properties.
5. A statement indicating the financial capability of the applicant to carry out this proposed development.

(b) Natural features:

1. Existing contours with intervals of five (5) feet or less.
2. Approximate boundaries of any areas subject to flooding or storm water overflows.
3. Location of existing watercourses, marshes, wooded areas, rock outcrops, isolated trees with a diameter of eight (8) inches or more, measured three (3) feet above the base of the trunk, and any other significant existing natural features.
4. Indication of direction of scenic views.

(c) Existing structures and utilities:

1. Outlines of all structures and location of all uses not requiring structures.
2. Paved areas, walkways and vehicular access between the site and public streets.
3. Locations, dimensions, grades and flow direction of any existing sewers, culverts, water lines, as well as other underground and aboveground utilities within and adjacent to the property.
4. Other existing development, including fences, landscaping and screening.
5. Sufficient description or information to define precisely the boundaries of the property. All distances shall be in feet and tenths of a foot. All angles shall be given to the nearest ten (10) seconds or closer. The error of closure shall not exceed one (1) in ten thousand (10,000).
6. The locations and owners of all adjoining lands as shown on the latest tax records.
7. The locations, names and existing widths of adjacent streets and curb lines.
8. The location, width and purpose of all existing and proposed easements, setbacks, reservations and areas dedicated to public use within or adjacent to the property.
9. A complete outline of existing deed restrictions or covenants applying to the property.
10. Existing zoning.

(d) Proposed development:

1. The location of proposed buildings or structural improvements
2. The location and design of all uses not requiring structures (such as off-street parking and loading).
3. The location, direction, power and time of use for any outdoor lighting or public address systems.
4. The location and plans for any outdoor signs.

5. The location, arrangement and materials of proposed means of access and egress, including walkways, driveways or other paved areas. Profiles indicating grading and cross sections showing location and width of roadway and walkways. Any proposed direct pedestrian connection to public parking lots or structures will also be shown.
6. Proposed screening and other landscaping, in accordance with Section 19-4.11.
7. The location, size, direction of flow and connection to city facilities of all proposed water lines, valves and hydrants and of all sewer lines or alternate means of water supply and sewage disposal and treatment facilities.
8. Location of any fire alarm boxes and/or connections to the city fire alarm system.
9. An outline of any proposed easements, deed restrictions or covenants and a notation of any areas to be dedicated to a public agency.
10. Any contemplated public improvements on or adjoining the property.
11. Any proposed new grades, indicating clearly how such grades will meet existing grades of adjacent properties or the street.
12. Elevations of all proposed principal or accessory structures (such elevations should be detailed, noting all materials and colors).
13. Indication of how the site plan has considered energy consumption in the siting and layout of buildings and in proposed building services (heat, lighting, air conditioning, etc.).
14. If the site plan indicates a first stage, a supplementary plan shall indicate ultimate development.
15. Any other information deemed by the Planning Board necessary to determine conformity of the plan with the spirit and intent of this Chapter (including plans for storm water drainage and disposal).
16. The following note must be added on all site plans where existing trees are to be retained: "Prior to the start of construction or excavation, trees to be retained shall be protected by silt fence, snow fence, construction fence, or equal, which will be placed at the drip line or several feet beyond. However, the fencing shall not cross public sidewalks. No storage or stockpiling of construction materials, debris or equipment shall occur within the fenced area." In addition to the note, the location of the fencing must be shown on the site or landscape plan. Where proximity to a building, driveway, parking area, or construction roadway prevents installation of fencing at the drip line, modification of the fence position shall be shown on the plan and shall be subject to the approval of the Planning Board. Field modification of the fence position may be granted by the Building Inspector/Zoning Administrator or Deputy Building Inspector.

The applicant may make a written request for a waiver of any of the site plan elements listed above. Such a request must be addressed to the Planning Board and to the Building Inspector, must describe specifically the item(s) and fully explain the reason(s) why the applicant feels a waiver is justified. Further, unless waived by Building Inspector, plans for all required improvements must be signed by a professional engineer or registered architect or, if appropriate, a registered landscape architect.

Please note that all applications for new construction must be accompanied by a properly prepared Full Environmental Assessment Form (EAF). Other plans will require either a Full EAF or a Short EAF, depending on project's specifics. Please note that one, two and three family dwellings do not require a Full EAF.

**SPECIAL PERMIT REQUEST**

In all applications containing a request for special permit, the applicant must submit written and/or visual documentation addressing the following considerations:

a) That all proposed structures, equipment or material shall be readily accessible for fire and police protection.
b) That the proposed use is of such location, size and character that, in general, it will be in harmony with the appropriate and orderly development of the district in which it is proposed to be situated and will not be detrimental to the orderly development of adjacent properties in accordance with the zoning classification of such properties.
c) That, in addition to the above, in the case of any use located in or directly adjacent to, a residential district:
    - The location and size of such use, the nature and intensity of operations involved in or conducted in connection therewith, its site layout and its relation to access streets shall be such that both pedestrian and vehicular traffic to and from the use and the assembly of persons in connection therewith will not be hazardous or inconvenient or incongruous with said residential district or conflict with the normal traffic of the neighborhood; and
    - The location and height of buildings, the location, nature and height of walls and fences and the nature and extent of screening and landscaping on the site shall be such that the use will not hinder or discourage the appropriate development and use of adjacent land and buildings or diminish the value thereof.

**APPLICATION FEES**

Upon submission of a site plan application, the applicant must pay a base fee $500, plus $35 per required off-street parking space and $150 per 1000 square feet of development. If the applicant is also requesting special permit review, an additional $500 must be paid at the time of application submission. In instances where an applicant is only requesting façade review for an existing building, a fee of $350 must be paid at the time of application submission. Note, if façade review is pertaining to a proposed site plan, the façade review fee is <u>not</u> required in addition to the site plan review fee.

| | FEES |
|---|---|
| Site Plan Review | $500.00 and $35.00 per required off-street parking space and $150.00 per 1000 square feet |
| Special Permit Review | $500.00 |
| Façade Review (Only) | $350.00 |

**TIMING OF APPLICATION**

Please remember that the Building Planning & Zoning Department must review all applications for site plan review to insure conformity with the requirements of the Zoning Ordinance, as well as to certify completeness of the submission. Since applications must be received by the Planning Department at least three Tuesday's prior to the Planning Board's Meeting, it is advisable that submissions be made to the Building Planning & Zoning Department no later than the second Tuesday of the month prior to Planning Board agenda on which the applicant plans to be considered. Once an application is conforming and complete, it will be forwarded to the Planning Board. Applicants filing incomplete applications will be informed of all deficiencies noted to exist in the submission in writing.

**Only complete applications will be forwarded.**

All applications for site plan, special permit and façade approval are required to be reviewed for comment by the Fire Chief, Police Chief, City Engineer, Superintendent of Public Works and Building Inspector. Copies of the application and accompanying information are forwarded to these officials by the Building Department simultaneously with transmission to the Planning Board. The complete application will be circulated, where required, to the Dutchess County Planning Department and to other appropriate agencies.

The Planning Board meets the third Tuesday of each month. Attendance by the applicant or the applicant's agent is required at these meetings. Should the applicant or representative fail to attend, the application will be removed from the agenda.

The Planning Board may hold a public hearing on site plan applications if the Board determines that such hearing would serve the public interest. The Board is required to hold a public hearing on all applications for Special Permit.

Upon completion of the review, the Planning Board will: approve, approve with conditions, or disapprove the site plan, special permit or façade application.

**REPSONSIBILITY OF THE APPLICANT FOLLOWING APPROVAL**

Approval by the Planning Board does not end the approval process, nor does it convey the right to build a project. Prior to commencement of the actual work, a Building Permit must be obtained. Prior to the actual occupancy of any building or land, a Certificate of Occupancy must be issued and all conditions of approval satisfied. Following approval by the Board, the applicant may either:

1) Circulate the original mylar or other acceptable original format of the approved site plan to the Fire Chief, Police Chief, Superintendent of Public Works/City Engineer and Building Inspector for their signatures;
2) Bring the mylar or other original to the Building, Planning & Zoning Department so that arrangements for these signatures can be made. The original, so signed, will then be sealed with the Planning Board's stamp of approval, provided that all conditions of the Board's approval have been met.

Seven (7) copies of the signed and stamped plan must be submitted to the Building Planning & Zoning Department prior to the issuance of any building permit for the proposed work.

**CONTACT NUMBERS**

| | |
|---|---|
| BUILDING DEPARTMENT: | (845) 451-4007 |
| PLANNING DEPARTMENT: | (845) 451-4047 |
| FIRE CHIEF: | (845) 451-4079 |
| POLICE CHIEF: | (845) 451-4132 |
| CITY ENGINEER (CPL): | (845) 451-4021 |

APPLICATION TO THE PLANNING BOARD
CITY OF POUGHKEEPSIE, NEW YORK

# Application for Site Plan, Special Permit & Facade Approval

OFFICE USE ONLY

CODE: PLSF

ID #_____

FEE: _____
Total, from:
$500, plus
$_____
($150 per 1000 square feet of floor area), plus
$_____
($35 per number of required parking spaces), plus
$_____
($500 for special permit, if applicable)

**I. PROPERTY ADDRESS:** Highview/Milton Street

**II. PROPERTY OWNER:** Maselo Realty, LLC (Nate Abikhzer)
**ADDRESS:** 18 Eastview Road
Monsey, NY
10952 (state and zip code)
**PHONE NUMBER**: 845-341-7395 (include area code)

**III. NAME OF APPLICANT**: Same as above
**ADDRESS:** _____
_____
_____ (state and zip code)
**PHONE NUMBER**: _____ (include area code)
**EMAIL ADDRESS:** nateabikhzer@gmail.com

(If applicant is NOT the owner, proof of owner's consent to the application MUST be provided.)

**IV. CONSULTANT**: Chazen Companies, Caren LoBrutto
**ADDRESS:** 21 Fox Street
Poughkeepsie, NY
12601 (state and zip code)
**PHONE NUMBER**: 845-486-1458 (include area code)

**V. PROPOSED USE or FAÇADE CHANGE** (Summarize proposed use or uses): The proposed construct of a 63-apartment unit clustered multifamily development within two buildings with two accesses off Miltor

**VI. ZONING DISTRICT**: Planned Residential Devel

***(Proceed to XVII for special permit & façade approval only)***

## PROJECT INFORMATION

New construction: X (yes)_____ (no)

Change of use:_____ (yes) X (no)

Expansion/addition:_____ (yes) X (no)

Alteration:_____ (yes) X (no)

Cost of Construction: $to be determined

**LOT AND BULK INFORMATION**:

Lot area: 8.713 (acres) 379,539.8 (square feet)

Building Footprint: 24,490 (proposed square feet for new construction)

0.00 (existing square feet for change of use/expansion)

0.00 (additional proposed square feet for expansion)

24,490 (total building footprint, square feet)

Lot Coverage: 6.45 (percentage, building coverage only)

Gross Floor Area: 96,760 (proposed square feet for new construction)

0.00 (existing square feet for change of use/expansion)

0.00 (additional proposed square feet for expansion)

96,760 (total gross floor area, square feet)

Building Height: 3.5 (stories) 35 (feet)

Floor Area Ratio: 0.25 (ratio of gross floor area divided by lot area)

## VIII. PROJECT PARKING INFORMATION

A) Number of Off-Street Parking Spaces required: 123

B) Number of Off-Street Parking Spaces provided: 123

C) Waiver Requested: _____ (Yes) X (No)

Is municipal parking available within 600 feet? _____ (Yes) X (No)

If yes, name all such municipal facilities: N/A

(If a waiver is requested based on proximity to municipal facilities, a written request for such waiver, addressed to the City Planning Staff and the Chairman of the Planning Board, must be submitted with the application.)

If a private parking facility is to be utilized, is such facility within 600 feet? N/A

_____ (Yes) _____ (No)

If yes, provide the address of the facility, name of the property owner, number of spaces in the lot, number of spaces available for lease, and length of lease. Attach copy of lease. Additional information may be required by the Planning Board): N/A

## IX. RESIDENTIAL PROPOSALS

A) Type of Development: Multiple residence rental apartments
(Townhouse, condominium, multiple residence rental, etc.)

B) Unit Breakdown:

Number of efficiency or "studio" units: None

Number of one (1) bedroom units: 31

Number of two (2) bedroom unit's 32

Number with three or more bedrooms: None

Total number of units: 63

C) Is funding public? ____ Yes X No
If yes, describe funding source: _____

## X. OFFICE PROPOSALS (____ Medical/Dental ____ Professional ____ Business)

A) Number of Employees: _____
N/A B) Number of doctors/dentists/medical practitioners: _____
C) Days/Hours of Operation: _____

**XI. SERVICE BUSINESS PROPOSALS**

A) Specify Business: _____
(e.g., laundromat, drycleaner, beauty parlor, travel agency, banks)

N/A B) Number of Employees: _____

C) Number of Washing Machines (for laundromat): _____

D) Days/Hours of Operation: _____

**XII. MERCANTILE PROPOSALS** (Retail _____ Wholesale _____)

A) Type of Mercantile (specify): _____

N/A B) Number of Employees: _____

C) Days/Hours of Operation: _____

**XIII. STANDARD RESTAURANT/FAST FOOD RESTAURANT/COFFEE SHOP/DONUT SHOP/NIGHTCLUB/DISCOTHEQUE/BAR PROPOSALS**

A) Specify Use: _____

N/A B) Number of seats (excluding bar stools and outdoor seating):_____

C) Meals served (i.e., breakfast, lunch, dinner): _____

D) Type of Menu: _____

E) Days/Hours of Operation: _____

F) Entertainment (live and/or recorded):_____

G) Will the restaurant contain a bar/lounge?: _____ Yes _____ No

H) If yes, how many seats at the bar? _____

I) Is a drive-through window proposed? _____

J) Is a walk-up window proposed? _____

K) Is an outdoor seating area proposed? _____

L) If yes, how many seats are proposed? _____

M) If yes, is outdoor cooking proposed? _____

**XIV. INDUSTRIAL/COMMERCIAL PROPOSALS** (Automobile repair, taxi, motor vehicle sales, warehouse, manufacturing, animal hospital, research facilities, etc.)

A) Specify Use: _____

N/A B) Number of shifts (if any): _____

C) Number of employees: _____
(If shifts are proposed, list number of employees per shift)

E) Number of work bays (if automobile repair): _____

F) Days/Hours of operation: _____

**XV. EDUCATIONAL/INSTITUTIONAL/RECREATIONAL PROPOSALS** (e.g., Museums, Theatres, Conference Centers, Hotels, Motels, Hospitals, Nursing Homes, Assisted Living Facilities, Nursery Schools, Private Schools, Day Care Centers, Places of Worship, Marinas, Membership Clubs, etc.)

A) Specify: _____

N/A B) Number of shifts (if any): _____

C) Number of employees: _____
(If shifts are proposed, list number of employees per shift)

D) Number of beds (hospitals, nursing homes, etc): _____

E) Number of seats in largest assembly space: _____

F) Number of classrooms (schools): _____

G) Number of rental units (hotels, motels, etc.) _____

H) Number of boat slips/courts (e.g., tennis, handball, etc.), alleys: _____

I) Days/Hours of Operation: _____

**XVI. PROPOSALS NOT MENTIONED ABOVE** (Please be specific):

None

**XVII. APPLICANT CERTIFICATION**

I, Nate Abikhzer, certify that the this application has addressed the objectives outlined in the Zoning Ordinance with consideration given to the public health, safety and welfare; the comfort and convenience of the public in general or the residents or users of the proposed development and of the immediate neighborhood.

The applicant certifies that all information contained herein is accurate and complete as of the date of this application.

Signature of Applicant

May 25, 2021
Date

Revised January 2018: Previous Editions Obsolete

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Land Surveyors
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Poughkeepsie, NY 12601
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October 5, 2021

Chairman Robert Levine
Members of the City of Poughkeepsie Planning Board
City of Poughkeepsie
62 Civic Center Plaza
Poughkeepsie, NY 12601

Cc: Natalie Quinn, Senior Planner

*Re: Highview at the Fallkill Creek Proposed 64-Unit Residential Development (Maselo Realty LLC)*
*Milton Street (Tax Parcel 131300-6162-73-623227)*
*City of Poughkeepsie, Dutchess County, NY*
*Chazen #81947*

Dear Chair Levine:

The Applicant and Owner, Maselo Realty LLC, received comments from the City's consulting architect, Chris Kroner of MASS Design Group, in a letter dated September 7, 2021 regarding the architectural design. In addition, a September 13, 2021 letter was received from Dutchess County Department of Planning and Development regarding the Planned Residential Development (PRD) construction of a 63-apartment unit clustered multifamily development.

Below is a point-by-point response to each of the comments received from MASS Design Group:

**SITING:**

A. *The buildings are aligned to each other, roughly following the contours that make an embankment to the Fall Kill. In the workshop it was discussed how the buildings could rotate away from parallel in an effort to better follow existing contours. These rotations may allow for additional tree plantings in front of the buildings, which may be a worthwhile gesture for an existing wooded site. Design team offered to review this idea further.*

**Response: The northern building (Building 200) has been rotated slightly in order to better follow the site contours. Site conditions and setback constraints limit the amount that the building can be rotated. The buildings have been placed as far upland as possible to give the greatest possible buffer to the Fall Creek natural area. This has caused the parking and other site elements to cross the minimum setbacks. The project has been granted two variances related to setbacks by the ZBA.**

B. *As the City of Poughkeepsie continues to explore a future Fall Kill Trail system, the site appears to have the dimensions to participate in this effort. On Drawing C180, there is what appears to be a mulched area to the west of the buildings, but the purpose of this area is not explicitly*

*presented. Could the design team clarify its intent, and if there is the opportunity for this creekside zone to accept a future nearby trail?*

**Response: A 'Woodland Path' has been added to the site plans. The applicant plans to utilize this path as an amenity to residents. The applicant is open to having the Creekside section of this path open for public access as part of the future Fall Kill Trail system. The hatched area was erroneously identified as 'mulched area'. The hatched area to the west of the buildings will be seeded with a mix of native grasses. These areas will be maintained as naturalized meadow areas. The plans have been updated to properly identify these areas.**

***C.*** *The primary facades of these buildings are designed perpendicular from Milton Street (East Elevations), but the current package of drawings doesn't present the South Elevation, which would be the primary view from Milton Street - the public right of way. We acknowledge that there may be some existing tree groupings at the street, but from a street view perspective, the buildings would likely still be prominent beyond (see street view below). Please provide further elevations for the planning board's review.*

**Response:** ***The apartment buildings are two of the same. The front, rear and side elevations have been provided. The Left Side Elevation is the elevation that will be facing Milton Street.***

**MASSING**

A. *The two proposed structures are built into a hillside, and therefore will appear to be three stories from the proposed parking lot,but increase to four stories as you move towards the Fall Kill. The buildings are made with hipped roofs, which is understood to extend the single family pitched roof vernacular into the project. It was discussed if the roof pitch could be decreased to help the overall bulk of the project to be lessened.*

**Response: The front and rear roof slopes were lowered to a 6/12 roof pitch. The roof slopes along the sides and the gables are proposed to remain as 8/12 roof pitch.**

B. *The space between the two building volumes was discussed as an important public viewing court and possible stairway that focuses a viewshed of the project to the Fall Kill. Because of this opportunity, it was also asked if the ground floor plan layout may look to upgrade the side doors to make this space a more celebrated entry sequence into the building's amenity spaces. As shown in the side elevations, this area shows how the hillside plays a major role in this area and could potentially sponsor a public stairway down to the Fall Kill. This zone between the buildings could also help clarify the nearby parking peninsula that, if aligned with the interstitial space, would help further clarify the space and viewshed.*

**Response: The site plan has been revised to relocate the parking lot island in order to bring attention to that space between the buildings. While the elevation differences and proposed utilities make the public stairway infeasible, the site plan has been amended to make that location**

**an overlook for the Fall Kill. The landscape plan has been revised to call out areas for selective tree limb removal in order to open up views to the Fall Kill Creek.**

C. *Central Pediment: The building's central dormer gable includes a center drop arch decoration as the signature detail that the design team has included in the proposed drawings. The planning board may want to ask the design team to elaborate on the singular use of this detail, or if this treatment may be a motif to explore at other pedimented dormers.*

**Response: The front gable decorations were removed to provide a uniform and clean gable look.**

D. *Central Balcony: The porticos at the main entryways also show built up columns with square bases and capitals. Creating some continuity between the column detailing and the drop arch braces (ie. fastener detailing, joinery articulation, etc) above may be worth additional exploration to help connect the human experience with the overall building appearance. Above the portico it was discussed if there could be resident portico roof terrace access via doors in lieu of windows.*

**Response: The design was modified to remove the gathering space over the main entrance.**

E. *Please provide elevation regarding the pool house as another visible piece of the project at ground level.*

**Response: Elevations of the pool house have been submitted.**

**ARCHITECTURAL DETAILS, MATERIALS AND METHODS**

A. *While the documents we were sent had no notes as to the specific materials, it was presented in the workshop that the proposed buildings would have a neutral grayscale palette, with Stone at the Ground Floor, Brick at the subsequent floor, and then proceeds upward with board and batten cementitious wood. The roof in its current elevation is a predominant feature, made with Architectural Asphalt Shingles. Any efforts to incorporate solar on the roof or site should be noted. Color elevations and a materials board would help the board review the materials.*

**Response: A Material Key showing the materials and colors has been attached to the color elevation drawings.**

**B.** *In the workshop, it was mentioned that the window frames are currently being specified in a dark bronze, but it was recommended that if the building pursues a dark palette, that dark gray or black window frames have been recently installed around the city with success, and that they seem to weather and age slightly better than their lighter colored counterparts.*

**Response: The window frames will be black.**

**C.** *One architectural consideration we discussed for part of the workshop was trying to introduce methods to reduce the horizontal stacking/banding of materials by floor, with the goal of weaving them together vertically more holistically. One specific idea explored was to consider if the board and batten palette shall locally extend down by a floor at either the zones between dormers or alternatively to try the same approach at the dormer volumes. This design effort should also review the solution in conversation with the side elevations. At this interstitial zone, the stacked materials currently read very simply, but perhaps could incorporate some of the upgraded ground floor detailing to create a welcoming tactile space at the human scale.*

**Response: The rear elevation was altered by weaving the rear finishes from the second floor down to the first floor to disrupt the appearance of layering from the horizontal banding. The corner material at the ground level wraps around the sides and blends into the retaining wall.**

**D.** *Building trims were discussed as being specified as Polyvinyl Chloride (PVC). As this is a material on sustainability "Red Lists", we would generally recommend substituting a more environmentally responsible material for trims (ie. Claymark Solid Gold® Wood) wherever possible.*

**Response: The trim finishes will be Boral -Tru Exterior Cement Trim.**

**E.** *The balcony railings appear to be drawn with stock, readily available metal post panels, and the color needs to be clarified in a subsequent submission or discussion. In the workshop, it was discussed whether there might be options that allow the railings, the drop arches and the column details to work more closely together.*

**Response: The aluminum railing color will be black.**

Below is a point-by-point response to each of the comments received from Dutchess County

*A.* ***Circulation:*** *Vehicular circulation throughout the site is designed to be two-way except for site ingress and egress, which is shown as two 20'-wide, one-way driveways. To eliminate confusion and reduce the amount of impervious pavement on this parcel adjacent to the Fallkill Creek, the Board and applicant could evaluate the removal of one of the driveways and making the remaining driveway two-way. Given the topography, the eastern/ingress driveway could be eliminated and the western/egress driveway could be widened slightly to accommodate two-way traffic.*

**Response: The previously proposed ingress and egress with two one-way driveways has been redesigned to be one two-way driveway centered along Milton Street. This modification will help to calm traffic and assist in dividing traffic more evenly to Arnold and Fitchett Street. The newly proposed driveway will be widened to 24'.**

B. ***Open Space / Landscaping:*** *The site plan (C130) shows three hatched areas labeled "usable open space", but as per the landscape plan (C180) the southernmost hatched section appears to be existing forested land and the areas closer to the pool coincide with bioretention and pond areas, which are not typically considered appropriate for active/passive recreation (as per the definition of "usable open space" in §19-2.2). Also, the landscape plan doesn't include labels to indicate where the specific plants materials will be located.*

**Response: A 'Woodland Path' which will provide recreational space has been added to the site plan. The "usable open space" label has been revised to identify this area. The applicant plans to utilize this path as an amenity to residents. The applicant is open to having the Creekside section of this path open for public access as part of the future Fall Kill Trail system.**

Enclosed please find revised elevations and an updated plan set showing the modification of the two-way access to a single access and rotation of Building 200 per comments received.

Please call 845-486-1458 or email me at clobrutto@chazencompanies.com if you have any questions or need anything further.

Thank you.

Sincerely,

Senior Planner, Planning Services

Cc: Tim Lynch, Chazen Companies
Maselo Realty, LLC
Michael McCormick, LMV Architects

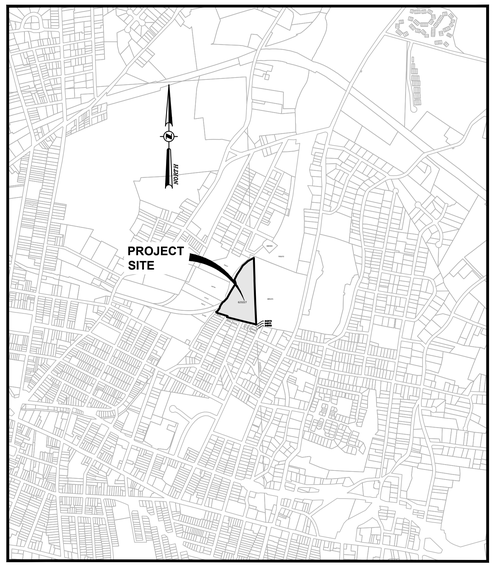
# HIGHVIEW AT THE FALLKILL CREEK

## PROPOSED 63-UNIT RESIDENTIAL DEVELOPMENT

### CITY OF POUGHKEEPSIE, DUTCHESS COUNTY, NEW YORK

**MAY 25, 2021**

**LAST REVISED: OCTOBER 05, 2021**




AREA MAP
SCALE: 1"=1000'




LOCATION MAP
SCALE: 1"=500'

**BULK TABLE:**

**PLANNED RESIDENTIAL DEVELOPMENT DISTRICT: (PRD)**

| ZONING REQUIREMENTS: | REQUIRED | PROPOSED |
|---|---|---|
| MINIMUM LOT AREA | 25 ACRES[1] | 379,533 SF |
| MINIMUM REQUIRED FRONTAGE | NONE | 279 |
| MAXIMUM RESIDENTIAL DENSITY | 63[2] | 63 |
| MINIMUM WIDTH | NONE | 669 |
| MINIMUM DEPTH | NONE | 1,007 |
| MINIMUM YARDS | | |
| FRONT | NONE | 208.9 |
| SIDES | NONE | 50 |
| SIDES | NONE | 122.4 |
| REAR | NONE | 106.1 |
| MAXIMUM BUILDING COVERAGE | 20% | 6.45% |
| MAXIMUM HEIGHT | NONE | 35 FT/3.5 STORIES |
| MINIMUM USABLE OPEN SPACE | 22,100 | 22,100[3] |
| 50' PRD BUFFER | 50 FT | 9.0'[4] |
| 120' PRD BUFFER | 120 FT | 94.8'[5] |

(1)SITE DEMONSTRATES THAT IT MEETS OBJECTIVES OF THIS SECTION. PER 19-3.18(3)(h)
(2)PER ZONING SECTION 19-3.18(3)(d)(1), GROSS DENSITY IN EFFECT, WHICH IS 63 DWELLING UNITS FOR THE R2 ZONING DISTRICT.
(3)USABLE OPEN SPACE BASED ON R-4, PER ZONING SECTION 19-3.18(3)(D)(3)
(4) VARIANCE REQUIRED. 19-3.18 (4)(h)
(5) VARIANCE REQUIRED. 19-3.18 (4)(h)

**PARKING REQUIREMENTS:**

| TOTAL SPACES | REQUIRED | PROPOSED(1) |
|---|---|---|
| | 123 SPACES | 123 SPACES |

(1) PER 19-4.3, 1.5 SPACES FOR EACH OF THE THIRTY-ONE (31) 1-BEDROOM APARTMENTS; 2.0 SPACES FOR EACH OF THE THIRTY-TWO(32) TWO-BEDROOM APARTMENTS; PLUS AN ADDITIONAL 10% OF THE TOTAL REQUIRED SPACES FOR VISITOR PARKING.

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| 2 | C100 | 05/25/21 | EXISTING CONDITIONS PLAN |
| 3 | C101 | 6/29/21 | LEGEND & NOTES |
| 4 | C120 | 10/05/21 | DEMOLITION & TREE REMOVAL PLAN |
| 5 | C130 | 10/5/21 | SITE PLAN |
| 6 | C140 | 10/5/21 | GRADING PLAN |
| 7 | C150 | 08/31/21 | EROSION & SEDIMENT CONTROL PLAN |
| 8 | C160 | 10/5/21 | UTILITY PLAN |
| 9 | C170 | 6/29/21 | WATER AND SEWER PROFILES (NOT INCLUDED IN SET) |
| 10 | C180 | 10/5/21 | LANDSCAPE PLAN |
| 11 | C190 | 10/5/21 | PHOTOMETRIC LIGHTING PLAN |
| 12 | C200 | 6/29/21 | VEHICLE MANEUVERING PLAN |
| 13 | C530 | 6/29/21 | SITE DETAILS |
| 14 | C531 | 6/29/21 | SITE DETAILS |
| 15 | C540 | 6/29/21 | STORM WATER DETAILS |
| 16 | C550 | 6/29/21 | TREE PROTECTION & EROSION AND SEDIMENT CONTROL DETAILS |
| 17 | C560 | 6/29/21 | WATER DETAILS |
| 18 | C561 | 6/29/21 | WATER DETAILS |
| 19 | C570 | 6/29/21 | SANITARY SEWER DETAILS |
| 20 | C580 | 6/29/21 | LANDSCAPE DETAILS |


**ADJOINING PARCELS**

1. GEORGES, ANTHONY J
JOHNSON, IRVIN
50 W AMOLD RD
POUGHKEEPSIE, NY 12601
TAX ID No: 131300-6162-74-626174

2. GEORGES, ANTHONY J
JOHNSON, IRVIN
W AMOLD RD
POUGHKEEPSIE, NY 12601
TAX ID NO: 131300-6162-74-631172

3. GEORGES, ANTHONY J
JOHNSON, IRVIN
50 W AMOLD RD
POUGHKEEPSIE, NY 12601
TAX ID NO: 131300-6162-74-636171

4. KANE, JOSEPH
SCHOONMAKER, AMANDA
146 CORLIES AVE
POUGHKEEPSIE, NY 12601
TAX ID NO: 131300-6162-74-643173

5. WHITTLE, FRANK J TRUSTEE
CORLIES AVE
POUGHKEEPSIE, NY 12601
TAX ID No: 131300-6162-74-642168

6. WHITTLE, FRANK J TRUSTEE
142 CORLIES AVE
POUGHKEEPSIE, NY 12601
TAX ID NO: 131300-6162-74-641163

7. KANE, JOSEPH
SCHOONMAKER, AMANDA
146 CORLIES AVE
POUGHKEEPSIE, NY 12601
TAX ID NO: 134689-6162-19-649171

8. WHITTLE, FRANK J TRUSTEE
142 CORLIES AVE
POUGHKEEPSIE, NY 12601
TAX ID NO: 134689-6162-19-648165

9. WOOD, NICHOL SL
143 CORLIES AVE
POUGHKEEPSIE, NY 12601
TAX ID NO: 134689-6162-19-663164

10. MOUNTAIN BROOK GARDENS LLC
134 INNIS AVE
POUGHKEEPSIE, NY 12601
TAX ID No: 134689-6162-19-685225

11. CITY OF POUGHKEEPSIE
26 HOWARD ST
POUGHKEEPSIE, NY 12601
TAX ID No: 131300-6162-66-705372

12. CITY OF POUGHKEEPSIE
25 HOWARD ST
POUGHKEEPSIE, NY 12601
TAX ID No: 134689-6162-15-668303

13. HIGHRIDGE GARDENS HOUSING
140-150 HUDSON AVE EXT
POUGHKEEPSIE, NY 12601
TAX ID NO: 131300-6162-65-590267

14. STORTINI FARMS LLC
23-25 VAN KLEECK DR
POUGHKEEPSIE, NY 12601
TAX ID NO: 131300-6162-73-567244

15. MILLENS , JOAN TRUSTEE (PRIMARY)
LENEFSKY , DAVID TRUSTEE (ADDITIONAL)
MULA , PAUL TRUSTEE
20 VAN KLEECK DR
POUGHKEEPSIE, NY 12601
TAX ID NO: 131300-6162-73-528212

16. TOWN OF POUGHKEEPSIE
COTTAGE ST REAR
POUGHKEEPSIE, NY 12601
TAX ID NO: 131300-6162-73-562189

17. SMITH , HEYWOOD V (PRIMARY)
GREEN SMITH , PAMELA (ADDITIONAL)
45 FITCHETT ST
POUGHKEEPSIE, NY 12601
TAX ID No: 131300-6162-73-587190

18. JOHNSON , ALLEN JR III
FITCHETT ST
POUGHKEEPSIE, NY 12601
TAX ID No: 131300-6162-73-602181

19. JOHNSON , ALLEN JR III
51 W ARNOLD RD
POUGHKEEPSIE, NY 12601
TAX ID NO: 131300-6162-73-612178

CITY PLANNING BOARD
CITY OF POUGHKEEPSIE, NEW YORK
**SITE PLAN APPROVAL**

FILE NO:
PROJECT NAME:
PROJECT LOCATION:
APPLICANT:

OFFICIALL APPROVED AT THE PLANNING BOARD

MEETING HELD THE ____ DAY OF _____ 2____

PLANNING CHAIR:

DESIGNEE:

DATE SIGNED:

CONDITION(S):

CITY OF POUGHKEEPSIE DEPARTMENTAL SIGNATURES

| | |
|---|---|
| FIRE CHIEF | DATE |
| POLICE CHIEF | DATE |
| BUILDING INSPECTOR | DATE |
| CITY ENGINEER | DATE |
| COMMISSIONER OF PUBLIC WORKS | DATE |

**RECORD OWNERS:**
LOT 131300 RECORD OWNER:
MASELO REALTY LLC
18 EASTVIEW RD
MONSEY NY 10952

**DEVELOPER / APPLICANT:**
MASELO REALTY LLC
18 EASTVIEW RD
MONSEY NY 10952

**SITE CIVIL ENGINEER:**
CHAZEN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE CO., D.P.C.
21 FOX STREET, POUGHKEEPSIE, NY 12601
PHONE: (845) 454-3980

**TAX MAP INFORMATION:**
CITY OF POUGHKEEPSIE, DUTCHESS COUNTY, NEW YORK
SECTION 6162, BLOCK 73, LOT 623227

**AREA:**
TOTAL PARCEL AREA: 8.713± ACRES

**SITE DATA:**
SPECIAL DISTRICT INFORMATION:
GREATER POUGHKEEPSIE PUBLIC LIBRARY DISTRICT
SCHOOL DISTRICT:
POUGHKEEPSIE CITY SCHOOL DISTRICT

0 1 2 3
ORIGINAL SCALE IN INCHES


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| rev. | date | description |
|---|---|---|
| 3 | 10/04/21 | REVISED FOR PLANNING BOARD SUBMISSION |
| 2 | 8/31/21 | REVISED FOR PLANNING BOARD SUBMISSION |
| 1 | 06/29/21 | REVISED FOR PLANNING BOARD SUBMISSION |

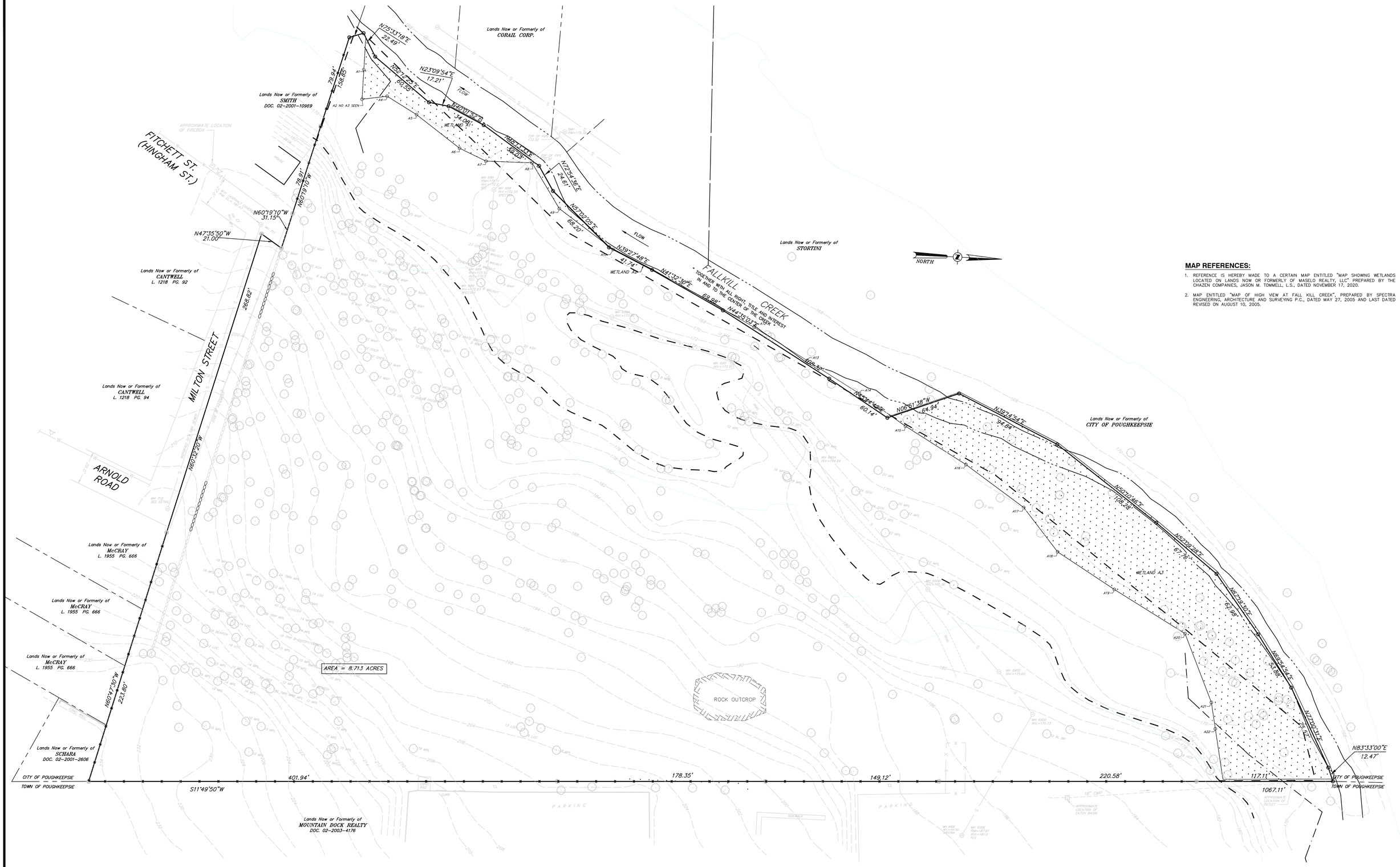
HIGHVIEW II - MILTON STREET

**TITLE SHEET**

CITY OF POUGHKEEPSIE, DUTCHESS COUNTY, NEW YORK

| designed | checked |
|---|---|
| LTN | LB |
| date | scale |
| 05/25/21 | AS SHOWN |
| project no. | |
| 81947.00 | |
| sheet no. | |
| G001 | |

Drawing Name: Z:\projects\81900-81999\81947.00 - Highview II\DWG\00_G001_81947_TITLE.dwg
Xref's Attached: XTB_30X42_81947
Date Printed: Oct 05, 2021, 4:12pm




## MAP REFERENCES:

1. REFERENCE IS HEREBY MADE TO A CERTAIN MAP ENTITLED "MAP SHOWING WETLANDS LOCATED ON LANDS NOW OR FORMERLY OF MASELO REALTY, LLC" PREPARED BY THE CHAZEN COMPANIES, JASON M. TOMMELL, L.S., DATED NOVEMBER 17, 2020.
2. MAP ENTITLED "MAP OF HIGH VIEW AT FALL KILL CREEK", PREPARED BY SPECTRA ENGINEERING, ARCHITECTURE AND SURVEYING P.C., DATED MAY 27, 2005 AND LAST DATED REVISED ON AUGUST 10, 2005.

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| rev. | date | description |
|---|---|---|
| 2 | 5/25/21 | REVISED FOR PLANNING BOARD SUBMISSION |
| 1 | 06/29/21 | REVISED FOR PLANNING BOARD SUBMISSION |

HIGHVIEW II - MILTON STREET

# EXISTING CONDITIONS PLAN

CITY OF POUGHKEEPSIE, DUTCHESS COUNTY, NEW YORK

| designed | checked |
|---|---|
| TL | LB |
| date | scale |
| 05/25/21 | 1" = 30' |
| project no. | |
| 81947.00 | |
| sheet no. | |
| C100 | |

Drawing Name: Z:\projects\81900-81999\81947.00 - Highview II\DWG\01_C100_EXISTING CONDITIONS PLAN.dwg
Xrefs Attached: XTB_30X42_81947; XBASE-ENG_81947; XBASE-ENG-WETLAND_81947-00
Date Printed: Oct 05, 2021, 4:13pm

## LEGEND:

**LAYOUT:**

- LOT LINE
- SETBACK LINE
- EASEMENT LINE
- BUILDING
- PAVED ROAD / DRIVEWAY / PARKING AREA
- ROAD CENTER LINE
- SIDEWALK
- CURB/WING GUTTER
- GRAVEL DRIVEWAY
- WORKLIMITS
- GUIDERAIL
- CHAIN LINK FENCE
- STOCKADE FENCE
- CONCRETE
- STABILIZED CONSTRUCTION ENTRANCE
- ROAD LINING & STRIPING
- GRAVEL PARKING AREA

**UTILITIES:**

- OHW — OVERHEAD WIRES
- ROAD CENTER LINE
- S — SANITARY SEWER LINE
- FM — FORCE MAIN
- W — WATER LINE
- ST — STORM DRAIN LINE
- DRAINAGE SWALE
- E — ELECTRIC LINE
- G — GAS LINE
- SIZE & TYPE — CULVERT W/ END SECTION

**GRADING & EROSION CONTROL:**

- 500 — 10 FT CONTOUR
- 448 — 2 FT CONTOUR
- 501.25 X — SPOT ELEVATIONS
- TREE LINE
- SHRUB LINE
- DRAINAGE SWALE
- ORANGE CONSTRUCTION FENCE
- SILT FENCE / FIBER LOG
- CHECK DAM WITH DITCH FLOW DIRECTION
- TD — TD — TEMPORARY DIVERSION SWALE
- STRAW BALE DIKE / FIBER ROLL
- FILTER FABRIC DROP INLET PROTECTION
- STONE & BLOCK DROP INLET PROTECTION
- CATCH BASIN GRATE DROP INLET PROTECTION
- CATCH BASIN SILT SAC DROP INLET PROTECTION
- PIPE OUTLET SEDIMENT TRAP
- SPOILS STORAGE AREA
- STABILIZED CONSTRUCTION ENTRANCE
- RIPRAP
- CONCRETE WASH OUT AREA
- TREE PROTECTION

**DEMO:**

- EXISTING FEATURE TO BE REMOVED
- EXISTING TREE TO BE REMOVED
- EXISTING SITE FEATURE TO BE REMOVED
- EXISTING PAVEMENT & SIDEWALK TO BE REMOVED
- EXISTING BUILDING TO BE REMOVED
- N.I.C. — NOT IN CONTRACT
- EXISTING STRUCTURE TO BE REMOVED, N.I.C

**SYMBOLS:**

- SIGN
- SIGN
- BOLLARD
- LIGHTED BOLLARD
- CATCH BASIN
- YARD DRAIN
- CLEAN OUT / DOWN SPOUT
- FLARED END SECTION
- DRAINAGE MANHOLE
- SANITARY MANHOLE
- CLEANOUT
- WELL
- WATER SHUT OFF VALVE
- WATER VALVE
- HYDRANT
- REDUCER
- CONTROL BOX
- ELECTRIC MANHOLE
- CABLE TV PEDESTAL
- GAS VALVE
- LIGHT POLE
- LIGHT WALL PACK
- POST AND LUMINAIRE
- TWIN POST AND LUMINAIRE AT 180°
- MAILBOX
- MONUMENT
- 25 — PARKING COUNT
- SOIL BORING
- TEST PIT
- TELEPHONE MANHOLE
- TELEPHONE PEDESTAL
- ELECTRIC TRANSFORMER
- TRAFFIC SIGNAL CONTROL BOX
- TSP — TRAFFIC SIGNAL POLE
- UTILITY POLE
- UTILITY POLE W/ LIGHT
- UTILITY POLE W/ GUY WIRE

# DEMOLITION PLAN NOTES:

## DEMOLITION NOTES:

1. REFER TO REQUIREMENTS OUTLINED IN THE EROSION & SEDIMENTS CONTROL PLANS & NOTES PRIOR TO COMMENCEMENT OF WORK.
2. BUILDING/STRUCTURE TO BE DEMOLISHED ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE NOT TO BE DEMOLISHED AS PART OF THIS WORK. PRIOR TO DEMOLISHING ANY BUILDINGS/STRUCTURES, THE CONTRACTOR SHALL PERFORM A PRE-DEMOLITION SURVEY IN ACCORDANCE WITH STATE AND FEDERAL REGULATIONS GOVERNING THE DISPOSAL OF SOLID WASTE. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND APPROVALS BY THE AUTHORITY HAVING JURISDICTION.
3. CONFORM TO APPLICABLE CODE FOR DEMOLITION OF STRUCTURES, SAFETY OF ADJACENT STRUCTURES, DUST CONTROL, RUNOFF CONTROL, AND HAULING, DISPOSAL AND STORAGE OF DEBRIS.
4. PROVIDE, ERECT, AND MAINTAIN TEMPORARY BARRIERS AND SECURITY DEVICES.
5. MAINTAIN EXISTING UTILITIES TO REMAIN IN SERVICE AND PROTECT THEM AGAINST DAMAGE DURING SELECTIVE DEMOLITION OPERATIONS. DO NOT INTERRUPT EXISTING UTILITIES SERVING OPERATING FACILITIES, EXCEPT WHEN AUTHORIZED IN WRITING BY OWNER AND AUTHORITIES HAVING JURISDICTION.
6. NOTIFY ADJACENT OWNERS OF WORK THAT MAY AFFECT THEIR PROPERTY, POTENTIAL NOISE, UTILITY OUTAGE, OR DISRUPTION. COORDINATE WITH OWNER.
7. PREVENT MOVEMENT OR SETTLEMENT OF ADJACENT STRUCTURES. PROVIDE BRACING AND SHORING.
8. LOCATE AND IDENTIFY ALL EXISTING UTILITIES WITHIN THE CONSTRUCTION AREA. DISCONNECT AND SEAL OR CAP OFF UTILITY SERVICES THAT WILL BE AFFECTED BY THIS PROJECT. NOTIFY AFFECTED UTILITY COMPANIES BEFORE STARTING WORK AND COMPLY WITH THEIR REQUIREMENTS. VERIFY THAT UTILITIES HAVE BEEN DISCONNECTED AND CAPPED.
9. DEMOLISH AND REMOVE COMPONENTS IN AN ORDERLY AND CAREFUL MANNER.
10. PROTECT EXISTING FEATURES THAT ARE NOT TO BE DEMOLISHED.
11. CONDUCT OPERATIONS WITH MINIMUM INTERFERENCE TO PUBLIC OR PRIVATE ACCESSES.
12. MAINTAIN EGRESS AND ACCESS AT ALL TIMES. DO NOT CLOSE OR OBSTRUCT ROADWAYS, OR SIDEWALKS WITHOUT PERMITS. COORDINATE W/ AUTHORITY HAVING JURISDICTION.
13. CEASE OPERATIONS IMMEDIATELY IF ADJACENT STRUCTURES APPEAR TO BE IN DANGER. NOTIFY AUTHORITY HAVING JURISDICTION.
14. ROUGH GRADE AND COMPACT AREAS AFFECTED BY DEMOLITION TO MAINTAIN SITE GRADES AND CONTOURS.
15. FIELD VERIFY EXISTING CONDITIONS AND CORRELATE WITH REQUIREMENTS INDICATED ON DEMOLITION PLAN TO DETERMINE EXTENT OF SELECTIVE DEMOLITION REQUIRED.
16. CONDUCT DEMOLITION OPERATIONS AND REMOVE DEBRIS TO ENSURE MINIMUM INTERFERENCE WITH SELECTIVE DEMOLITION OPERATIONS.
17. CONDUCT DEMOLITION OPERATIONS TO PREVENT INJURY TO PEOPLE AND DAMAGE TO ADJACENT BUILDINGS AND FACILITIES TO REMAIN. ENSURE SAFE PASSAGE OF PEOPLE AROUND SELECTIVE DEMOLITION AREA.
18. USE WATER MIST, TEMPORARY ENCLOSURES AND OTHER SUITABLE METHODS TO LIMIT THE SPREAD OF DUST AND DIRT. COMPLY WITH GOVERNING ENVIRONMENTAL PROTECTION REGULATIONS. DO NOT USE WATER WHEN IT MAY DAMAGE EXISTING CONSTRUCTION, SUCH AS CAUSING ICING, FLOODING, AND TRANSPORTING POLLUTANTS.
19. REMOVE AND TRANSPORT DEBRIS IN A MANNER THAT WILL PREVENT SPILLAGE ON ADJACENT SURFACES AND AREAS.
20. CLEAN ADJACENT STRUCTURES AND IMPROVEMENTS OF DUST, DIRT AND DEBRIS CAUSED BY SELECTIVE DEMOLITION OPERATIONS. RETURN ADJACENT AREAS TO CONDITION EXISTING BEFORE START OF SELECTIVE DEMOLITION.
21. PROMPTLY DISPOSE OF DEMOLISHED MATERIALS. ALL DEBRIS RESULTING FROM DEMOLITION ACTIVITIES SHALL BE DISPOSED OF OFF-SITE AT A FACILITY APPROVED TO RECEIVE THE DEBRIS. DO NOT ALLOW DEMOLISHED MATERIALS TO ACCUMULATE ON-SITE. DO NOT BURN DEMOLISHED MATERIALS ON-SITE.
22. NO SITE DISTURBANCE IS TO OCCUR PRIOR TO CLEARING OF SUCH BY THE RETAINED QUALIFIED INSPECTOR.
23. ANY NECESSARY TREE CLEARING WILL OCCUR BETWEEN NOVEMBER 1ST AND MARCH 31ST TO AVOID DIRECT OR INDIRECT TAKE OF THE BAT SPECIES AS DURING THIS TIME THE BATS WOULD BE HIBERNATING AND NOT PRESENT ON SITE.

## LANDSCAPING NOTES:

1. SEE SHEET C580 FOR ALL LANDSCAPING NOTES.

# GRADING PLAN NOTES:

## GRADING NOTES:

1. PRIOR TO SITE DISTURBANCE, CONTRACTOR TO INSTALL EROSION & SEDIMENT CONTROL MEASURES.
2. IF ROCK IS ENCOUNTERED DURING CONSTRUCTION & REMOVAL BY BLASTING IS REQUIRED, THE CONTRACTOR SHALL OBTAIN ALL NECESSARY APPROVALS AND PERMITS REQUIRED BY THE AUTHORITY HAVING JURISDICTION.
3. ALL BLASTING OPERATIONS WILL ADHERE TO NEW YORK STATE AND LOCAL AUTHORITY ORDINANCES GOVERNING THE USE OF EXPLOSIVES. THE STATE REGULATIONS ARE CONTAINED IN 12 NYCRR 39 AND INDUSTRIAL CODE RULE 753.
4. STRIP ALL TOPSOIL PRIOR TO COMMENCING EARTHWORK OPERATIONS. TOPSOIL MAY BE STORED AND REUSED IN LAWN AND PLANTING AREAS ONLY. TOPSOIL AND SEED ALL AREAS DISTURBED BY CONSTRUCTION THAT ARE TO REMAIN GREEN.
5. BOX ALL TREES AND HOUSE ALL SHRUBS AND HEDGES BEFORE PLACING EARTH AGAINST OR NEAR THEM. ORNAMENTAL TREES, SHRUBS AND HEDGES WHICH MUST BE REMOVED DURING CONSTRUCTION SHALL BE HEALED IN AND RE-PLANTED IN AS GOOD A CONDITION AS THEY WERE BEFORE THEIR REMOVAL. ANY DAMAGED TREES, SHRUBS, AND/OR HEDGES SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
6. ALL EARTHWORK SHALL BE SMOOTHLY AND EVENLY BLENDED INTO EXISTING CONDITIONS. NO WORK, STORAGE OR TRESPASS SHALL BE PERMITTED BEYOND THE BOUNDARIES OF ANY EASEMENT OR PROPERTY LINE.
7. REMOVE ALL VEGETATION, TREES, STUMPS, GRASSES, ORGANIC SOILS, DEBRIS AND DELETERIOUS MATERIALS WITHIN THE AREAS SLATED FOR CONSTRUCTION.
8. IF PREVIOUSLY UNKNOWN CULTURAL, ARCHEOLOGICAL, OR HISTORIC REMAINS OR ARTIFACTS ARE DISCOVERED IN THE COURSE OF CONSTRUCTION OF THIS PROJECT, THE PROJECT SPONSORS SHALL SUSPEND CONSTRUCTION OPERATIONS IN THE PERTINENT AREA AND SHALL NOTIFY THE PROJECT ENGINEER. CONSTRUCTION IN THAT AREA SHALL RESUME ONLY AFTER COMPLETION OF FEDERAL, TRIBAL, AND STATE COORDINATION TO DETERMINE WHETHER PROTECTION OR RECOVERY OF THE REMAINS IS WARRANTED, OR WHETHER THE SITE IS ELIGIBLE FOR LISTING IN THE NATIONAL REGISTER OF HISTORIC PLACES.

# UTILITY PLAN NOTES:

## GENERAL CONSTRUCTION NOTES:

1. ALL UNDERGROUND UTILITIES ARE SHOWN IN THEIR RELATIVE POSITION AND ARE FOR INFORMATIONAL PURPOSES ONLY. CONTRACTOR TO VERIFY THEIR ACTUAL LOCATION IN THE FIELD PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
2. ANY CONDITION ENCOUNTERED IN THE FIELD DIFFERING FROM THOSE SHOWN HEREON, SHALL BE REPORTED TO THE DESIGN ENGINEER BEFORE CONSTRUCTION IS TO PROCEED.
3. SEWER MAINS IN RELATION TO WATER MAINS: WHERE POSSIBLE, SEWERS SHALL BE LAID AT LEAST 10 (TEN) FEET HORIZONTALLY FROM ANY EXISTING OR PROPOSED WATER MAIN. VERTICAL SEPARATION SHALL BE MAINTAINED TO PROVIDE 18 (EIGHTEEN) INCHES BETWEEN TOP OF SEWER AND BOTTOM OF THE WATER MAIN AT UTILITY CROSSINGS. WHEN NOT POSSIBLE TO OBTAIN THE PROPER VERTICAL SEPARATION, SEWER PIPE SHALL BE PRESSURE RATED AND TESTED @ 150psi, 10 (TEN) FEET ON EACH SIDE OF THE WATER MAIN BEING CROSSED.
4. ALL PROPOSED UTILITIES SHALL TERMINATE 5 FEET FROM ANY PROPOSED BUILDING FACE.
5. CONTRACTOR TO COORDINATE WITH BUILDING PLANS FOR ANY CONNECTIONS.
6. ALL STORM SEWER SHALL BE SMOOTH INTERIOR HDPE UNLESS OTHERWISE SPECIFIED.
7. ALL GRAVITY SANITARY SEWER SHALL BE SDR 35 PVC UNLESS OTHERWISE SPECIFIED.
8. ALL WATER PIPE SHALL BE CL52 DUCTILE IRON PIPE UNLESS OTHERWISE SPECIFIED.
9. CONTRACTOR TO VERIFY STATUS OF ALL UTILITY SERVICES PRIOR TO INTERRUPTION.
10. EXPLORATORY EXCAVATIONS SHALL BE PERFORMED BY THE CONTRACTOR AT ALL UTILITY CONNECTION LOCATIONS AND AS NEEDED TO VERIFY EXISTING CONDITIONS PRIOR TO PERFORMING WORK.
11. BEFORE CONSTRUCTING LINES TO CONNECT TO EXISTING UTILITIES, VERIFY EXISTING UTILITY INVERTS AND NOTIFY THE ENGINEER IF ANY VARIATION FROM THE PLAN IS REQUIRED.
12. THE CONTRACTOR SHALL MAINTAIN ALL EXISTING UTILITIES IN SERVICE FOR THE DURATION OF THE WORK.
13. THE CONTRACTOR SHALL COMPLY WITH ALL REQUIRED PERMITS AND ASSOCIATED CONDITIONS.
14. CONTRACTOR SHALL BE RESPONSIBLE FOR DEWATERING UTILITY TRENCHES AND EXCAVATIONS AND FOR THE MAINTENANCE OF SURFACE DRAINAGE DURING THE COURSE OF THE WORK.
15. IF ROCK REMOVAL BY BLASTING IS REQUIRED, THE CONTRACTOR SHALL OBTAIN ALL NECESSARY APPROVALS AND PERMITS REQUIRED BY THE AUTHORITY HAVING JURISDICTION.

# SITE PLAN NOTES:

## GENERAL CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL PROTECT EXISTING PROPERTY LINE MONUMENTATION. ANY MONUMENTATION DISTURBED OR DESTROYED, AS JUDGED BY THE ENGINEER OR OWNER, SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE AND UNDER THE SUPERVISION OF A NEW YORK STATE LICENSED LAND SURVEYOR.
2. ALL PAVEMENT RESTORATION SHALL MEET AND MATCH EXISTING GRADES.
3. ALL SAWCUT LINES SHALL BE PARALLEL AND CURVILINEAR TO EXISTING OR PROPOSED CURBING AND SHALL BE A CONSTANT DISTANCE OF 18" MIN AWAY.
4. ALL ARCHITECTURE IS SUBJECT TO PLANNING BOARD REVIEW.
5. NOTIFY ENGINEER 48 HOURS PRIOR TO INITIALIZATION OF ANY WORK ON SITE.
6. THE ENGINEER SHALL BE NOTIFIED IN WRITING OF ANY CONDITIONS THAT VARY FROM THOSE SHOWN ON THE PLANS. THE CONTRACTOR'S WORK SHALL NOT VARY FROM THE PLANS WITHOUT PRIOR REVIEW FROM THE ENGINEER.
7. CONTRACTOR IS RESPONSIBLE FOR EMPLOYING AND MAINTAINING ALL TRAFFIC CONTROL AND SAFETY MEASURES DURING CONSTRUCTION.
8. CONTRACTOR IS RESPONSIBLE FOR PROPERLY & SAFELY MAINTAINING AREA BETWEEN ALL ADJOINING PROPERTIES.
9. NO WORK, STORAGE OR TRESPASS SHALL BE PERMITTED BEYOND THE SITE PROPERTY LINES OR PUBLIC RIGHT-OF-WAY.
10. ALL EXISTING LAWN AREA, CURBING, PAVING, SIDEWALKS, CULVERTS OR OTHER PUBLIC OR PRIVATE PROPERTY DAMAGED BY TRENCHING OR EXCAVATION OPERATIONS SHALL BE REPLACED OR REPAIRED TO A CONDITION EQUAL TO EXISTING, AS DESCRIBED IN CONTRACT DOCUMENTS OR AS ORDERED BY ENGINEER (AOBE). MAILBOXES, SIGN POSTS, ETC SHALL BE PROPERLY REMOVED AND REPLACED EXACTLY AS THEY WERE BEFORE BEING DISTURBED. REMOVE AND REPLACE AFFECTED CURBING AND SIDEWALK TO NEAREST JOINT. REMOVE PAVEMENT AND REPLACE TO SAW CUT LINE. SAW CUT IN STRAIGHT LINE TO POINT NEEDED TO BLEND GRADE. REMOVE LAWN AND REPLACE TO MINIMUM LIMIT OF EXCAVATION.
11. IF PREVIOUSLY UNKNOWN CULTURAL, ARCHEOLOGICAL, OR HISTORIC REMAINS OR ARTIFACTS ARE DISCOVERED IN THE COURSE OF CONSTRUCTION OF THIS PROJECT, THE PROJECT SPONSORS SHALL SUSPEND CONSTRUCTION OPERATIONS IN THE PERTINENT AREA AND SHALL NOTIFY THE PROJECT ENGINEER. CONSTRUCTION IN THAT AREA SHALL RESUME ONLY AFTER COMPLETION OF FEDERAL, TRIBAL, AND STATE COORDINATION TO DETERMINE WHETHER PROTECTION OR RECOVERY OF THE REMAINS IS WARRANTED, OR WHETHER THE SITE IS ELIGIBLE FOR LISTING IN THE NATIONAL REGISTER OF HISTORIC PLACES.

## LAYOUT NOTES:

1. BUILDING DIMENSIONS TO BE TAKEN FROM ARCHITECTURAL BUILDING PLANS. NOTIFY THE ENGINEER OF ANY DEVIATION FROM CONDITIONS SHOWN ON THIS PLAN.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL FIELD LAYOUT. THE CONTRACTOR SHALL TAKE TIES TO ALL UTILITY CONNECTIONS AND PROVIDE AS-BUILT SURVEY UP AS BUILT PLANS FOR ALL UTILITIES SHOWING TIES TO CONNECTIONS, BENDS, VALVES, LENGTHS OF LINES AND INVERTS. AS-BUILT PLANS SHALL BE REVIEWED BY THE OWNER AND THE ENGINEER AND THE CONTRACTOR SHALL PROVIDE ANY CORRECTION OR ADDITIONS TO THE SATISFACTION OF THE OWNER AND THE ENGINEER BEFORE UTILITIES WILL BE ACCEPTED.

## PAVING NOTES:

1. NO VEHICULAR TRAFFIC OF ANY SORT SHALL BE PERMITTED ON THE SURFACE OF SUBBASE COURSE MATERIAL ONCE IT HAS BEEN FINE GRADED, COMPACTED, AND IS READY FOR PAVING. SUBBASE MATERIAL SO PREPARED FOR PAVING SHALL BE PAVED WITHIN THREE DAYS OF PREPARATION.
2. SUBBASE MATERIAL AND THE VARIOUS ASPHALT CONCRETE MATERIALS CALLED FOR IN THESE DRAWINGS SHALL CONFORM WITH THE REFERENCED SECTION OF THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, DATED **"LATEST EDITIONS"**. CONSTRUCTION SHALL BE AS FURTHER SET FORTH IN THOSE SPECIFICATIONS AND AS OTHERWISE PROVIDED FOR IN THESE DRAWINGS.
3. PLACE ASPHALT CONCRETE MIXTURE ON PREPARED SURFACE, SPREAD AND STRIKE-OFF USING A SELF-PROPELLED PAVING MACHINE, WITH VIBRATING SCREED. PLACEMENT IN INACCESSIBLE AND SMALL AREAS MAY BE BY HAND.
4. PROVIDE JOINTS BETWEEN OLD AND NEW PAVEMENTS OR BETWEEN SUCCESSIVE DAY'S WORK.
5. TACK COAT WHEN SPECIFIED OR CALLED OUT ON THE DRAWINGS OR REQUIRED BY THE REFERENCED SPECIFICATION SHALL CONFORM WITH THE FOLLOWING:
   A. TACK COAT SHALL MEET THE MATERIAL REQUIREMENTS OF 702-90 ASPHALT EMULSION FOR TACK COAT OF THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, DATED **"LATEST EDITION"**, SHALL BE APPLIED IN ACCORDANCE WITH SECTION 407 – TACK COAT SHALL BE IN ACCORDANCE WITH THOSE SPECIFICATIONS AND AS OTHERWISE PROVIDED FOR IN THESE DRAWINGS.
   B. REMOVE LOOSE AND FOREIGN MATERIAL FROM ASPHALT SURFACE BEFORE PAVING NEXT COURSE. USE POWER BROOMS, BLOWERS OR HAND BROOM.
   C. APPLY TACK COAT TO ASPHALT PAVEMENT SURFACES & AND SURFACES OF CURBS, GUTTERS, MANHOLES, AND OTHER STRUCTURES PROJECTING INTO OR ABUTTING PAVEMENT. DRY TO A "TACKY" CONSISTENCY BEFORE PAVING.
   D. TACK COAT ENTIRE VERTICAL SURFACE OF ABUTTING EXISTING PAVEMENT.
6. AFTER COMPLETION OF PAVING AND SURFACING OPERATIONS, CLEAN SURFACES OF EXCESS OR SPILLED ASPHALT, GRAVEL OR STONE MATERIALS TO THE SATISFACTION OF THE ENGINEER.

## TESTING WATER MAINS:

1. AFTER TRENCH HAS BEEN BACKFILLED, HYDROSTATIC ACCEPTANCE TESTS, CONSISTING OF A PRESSURE TEST AND A LEAKAGE TEST, SHALL BE PERFORMED ON ALL SECTIONS OF WATER MAIN INSTALLED. LEAKAGE TEST SHALL BE CONDUCTED CONCURRENTLY WITH PRESSURE TEST. TEST SECTION SHALL BE LIMITED TO ABOUT 2000 FT (MAX.) UNLESS OTHERWISE APPROVED BY THE ENGINEER.
2. AFTER ALL TESTS AND INSPECTIONS HAVE BEEN PERFORMED EVIDENCE OF COMPLIANCE SHALL BE FORWARDED TO OWNER/ENGINEER AND THE MUNICIPALITY PRIOR TO ACCEPTANCE.
3. ALL WATER FOR TESTS SHALL BE FURNISHED AND DISPOSED OF BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE. SOURCE AND/OR QUALITY OF WATER WHICH THE CONTRACTOR PROPOSES TO USE IN TESTING LINES SHALL BE ACCEPTABLE TO THE ENGINEER.
4. HYDROSTATIC PRESUMPTIVE TESTS MAY BE PERFORMED WHEN SYSTEM IS PARTIALLY BACKFILLED TO SIMPLY CHECK WORK, BUT ACCEPTANCE OF SYSTEM SHALL BE BASED ON HYDROSTATIC TESTS RUN ON FINISHED SYSTEM AFTER IT HAS BEEN COMPLETELY BACKFILLED. ALL HYDROSTATIC TESTS SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 4 OF AWWA STANDARD C 600 OR LATEST ADDITION, AS MODIFIED HEREIN.
5. FOR THE PRESSURE TEST, SYSTEM SHALL BE PRESSURIZED AND MAINTAINED AT A MINIMUM OF 150 POUNDS PER SQUARE INCH, OR 1.5 TIMES THE WORKING PRESSURE, WHICHEVER IS GREATER, BASED ON THE ELEVATION OF THE LOWEST POINT IN THE SECTION BEING TESTED AND CORRECTED TO THE ELEVATION OF THE GAUGE. PROVISIONS SHALL BE MADE TO RELIEVE AIR TRAPPED AT HIGH POINTS IN THE SYSTEM THROUGH ADJACENT HYDRANTS OR THROUGH TAPS AND CORPORATION STOPS INSTALLED FOR THIS PURPOSE BY THE CONTRACTOR. AFTER SAID PRESSURE HAS BEEN MAINTAINED SUCCESSFULLY, WITH FURTHER PUMPING AS REQUIRED, FOR A PERIOD OF AT LEAST TWO HOURS, THE SECTION UNDER TEST SHALL BE CONSIDERED TO HAVE PASSED THE PRESSURE TEST.
6. LEAKAGE TEST SHALL BE PERFORMED CONCURRENTLY USING A MINIMUM TEST PRESSURE OF 150 LBS/SQUARE INCH, OR 1.5 TIMES THE WORKING PRESSURE, WHICHEVER IS GREATER, BASED ON THE ELEVATION OF THE LOWEST POINT IN THE SECTION UNDER TEST AND CORRECTED TO ELEVATION OF THE GAUGE. LEAKAGE TEST DURATION SHALL BE A MINIMUM OF 2 HOURS AFTER LEAKAGE RATE HAS STABILIZED.
7. MAXIMUM ALLOWABLE LEAKAGE SHALL BE AS SHOWN IN THE FOLLOWING TABLE:
   ALLOWABLE LEAKAGE PER 1000 FT (305M) OF PIPELINE (GPH)

| AVG. TEST PRESSURE | NOMINAL PIPE DIAMETER—IN. | | | | | | |
|---|---|---|---|---|---|---|---|
| PSI | 4 | 6 | 8 | 10 | 12 | 14 | 16 |
| 450 | 0.57 | 0.86 | 1.15 | 1.43 | 1.72 | 2.01 | 2.29 |
| 400 | 0.54 | 0.81 | 1.08 | 1.35 | 1.62 | 1.89 | 2.16 |
| 350 | 0.51 | 0.76 | 1.01 | 1.26 | 1.52 | 1.77 | 2.02 |
| 300 | 0.47 | 0.70 | 0.94 | 1.17 | 1.40 | 1.64 | 1.87 |
| 275 | 0.45 | 0.67 | 0.90 | 1.12 | 1.34 | 1.57 | 1.79 |
| 250 | 0.43 | 0.64 | 0.85 | 1.07 | 1.28 | 1.50 | 1.71 |
| 225 | 0.41 | 0.61 | 0.81 | 1.01 | 1.22 | 1.42 | 1.62 |
| 200 | 0.38 | 0.57 | 0.76 | 0.96 | 1.15 | 1.34 | 1.53 |
| 175 | 0.36 | 0.54 | 0.72 | 0.89 | 1.07 | 1.25 | 1.43 |
| 150 | 0.33 | 0.50 | 0.66 | 0.83 | 0.99 | 1.16 | 1.32 |
| 125 | 0.30 | 0.45 | 0.60 | 0.76 | 0.91 | 1.06 | 1.21 |
| 100 | 0.27 | 0.41 | 0.54 | 0.68 | 0.81 | 0.95 | 1.08 |

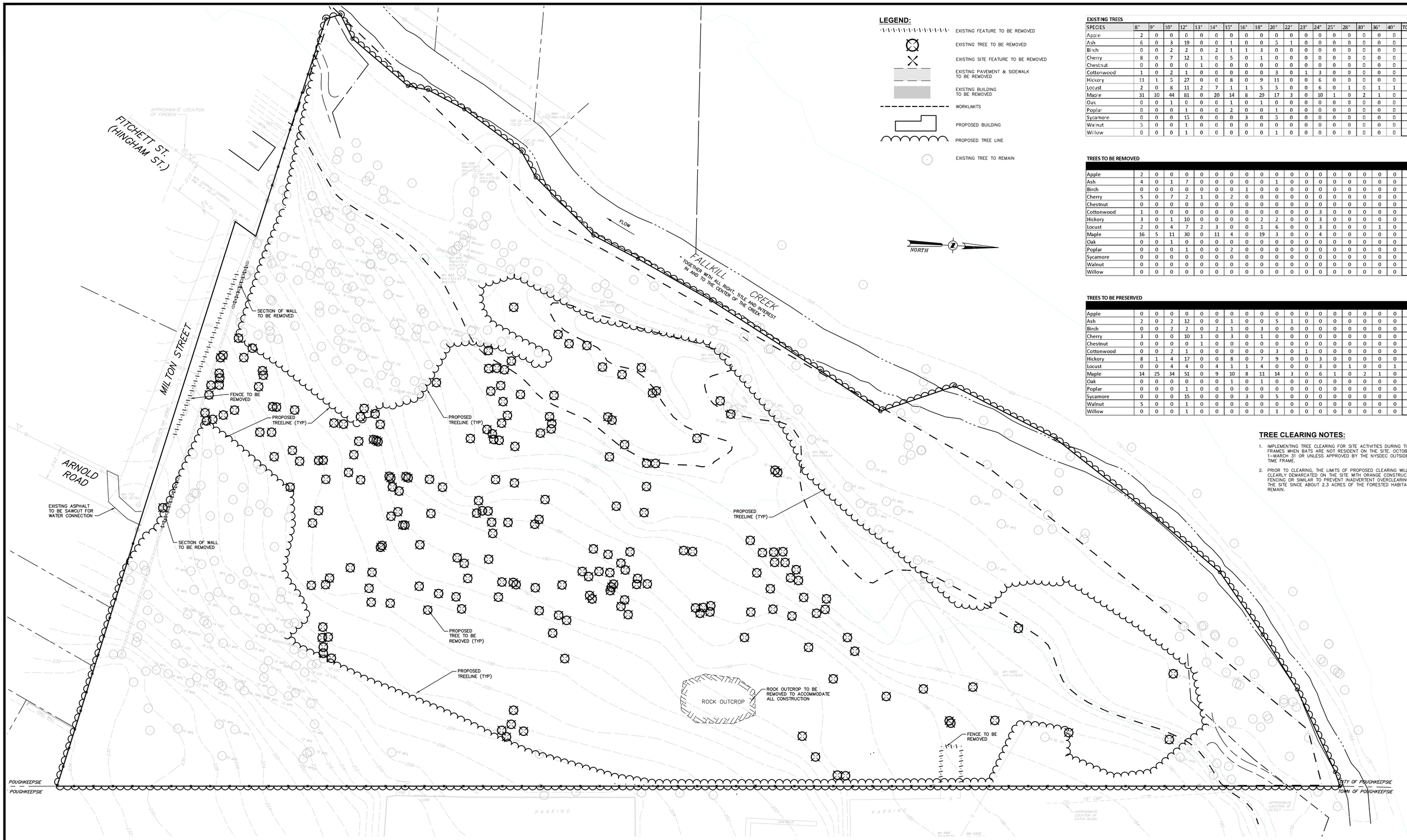
1. IF LEAKAGE IN SYSTEM EXCEEDS THE SPECIFIED AMOUNT, THE CONTRACTOR SHALL, AT NO ADDED COST TO THE OWNER, LOCATE, REPAIR, AND/OR REPLACE DEFECT(S) AND RE-TEST PIPING SYSTEM.

## GENERAL CONSTRUCTION NOTES:

1. ALL UTILITY WORK INVOLVING CONNECTION TO EXISTING MUNICIPAL WATER MAIN SHALL BE COORDINATED WITH OWNER AND OWNER'S REPRESENTATIVE. NOTIFY OWNER AND THE OWNER'S REPRESENTATIVE 3 WORKING DAYS BEFORE CONNECTION IS MADE.
2. THE CONTRACTOR SHALL VERIFY THE PRESENCE OF AND EXACT LOCATION OF ALL UTILITIES PRIOR TO COMMENCING ANY EXCAVATION WORK AS THE EXACT LOCATION OF UTILITIES MAY DIFFER FROM THE LOCATION SHOWN, AND ADDITIONAL UTILITIES MAY EXIST.
3. THE CONTRACTOR SHALL REVIEW ALL FIELD UTILITY MARKOUT INFORMATION AND BRING ANY CONFLICTS TO THE ATTENTION OF THE PROJECT ENGINEER PRIOR TO COMMENCING ANY WORK OPERATIONS. TEST PITS MAY BE REQUIRED BY THE CONTRACTOR TO VERIFY ACTUAL UTILITY LOCATIONS AND/OR DEPTHS. TEST PIT OPERATIONS WILL MEET ALL NECESSARY REQUIREMENTS AS SET FORTH IN THESE PLANS, DETAILS, FEDERAL/STATE/LOCAL REGULATIONS AND ANY SPECIFIC PERMIT REQUIREMENTS.
4. THE CONTRACTOR SHALL PERFORM EXPLORATORY EXCAVATIONS AT ALL UTILITY CONNECTION LOCATIONS AND AS NEEDED TO VERIFY EXISTING CONDITIONS PRIOR TO PERFORMING WORK. THE CONTRACTOR SHALL NOTIFY THE OWNER AND OWNER'S REPRESENTATIVE 3 WORKING DAYS PRIOR TO SUCH EXCAVATIONS TO ENSURE THEIR PRESENCE.
5. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN EXCAVATING FOR THE PROPOSED STRUCTURES AND WATER LINES AS THE EXACT LOCATION OF UNDERGROUND STRUCTURES AND UTILITIES ARE NOT KNOWN. ANY DAMAGE TO EXISTING STRUCTURES/UTILITIES ABOVE OR BELOW GRADE, CAUSED BY THE CONTRACTOR SHALL BE REPAIRED IMMEDIATELY BY THE CONTRACTOR AT HIS OWN EXPENSE.

## WATER MAIN NOTES:

1. ALL WATER MAINS SHALL BE CEMENT LINED DUCTILE IRON PIPE, CLASS 52 PUSH-ON JOINT, UNLESS OTHERWISE SPECIFIED BY OR APPROVED BY THE WATER DEPARTMENT. JOINING SHALL EMPLOY "MEGALUG" CONNECTIONS, FIELD LOCK GASKET, OR AS ALTERNATIVELY SPECIFIED BY THE WATER DEPARTMENT. ALL WATER PIPING CONSTRUCTION SHALL BE TO THE SPECIFICATIONS OF THE WATER DEPARTMENT. WET TAP OF PUBLIC WATER SYSTEM SHALL BE APPROVED AND SUPERVISED BY THE WATER DEPARTMENT. TAPPING SLEEVE SHALL BE STAINLESS STEEL OR APPROVED EQUAL. ALL MAINLINE VALVES SHALL BE RESILIENT WEDGE OR APPROVED EQUAL.
2. THE WATER LINE MAY BE FLEXED WITHIN PIPE SPECIFICATIONS OR LAID DEEPER IN AREAS WHERE A CROSSING WITH A SANITARY LINE OCCURS, TO ACHIEVE THE REQUIRED 1.5' VERTICAL SEPARATION DISTANCE. IF THIS DISTANCE CANNOT BE REASONABLY ACHIEVED, THE CONTRACTOR SHALL USE PRESSURE RATED SANITARY SEWER PIPE OF EQUAL OR GREATER RATEING THAT THE PRESSURE CLASS FOR THE WATER LINE.
3. MINIMUM VERTICAL SEPARATION BETWEEN WATER MAINS AND SEWER PIPE SHALL BE 18 INCHES MEASURED FROM THE OUTSIDE OF THE PIPES AT THE POINT OF CROSSING. ONE FULL STANDARD LAYING LENGTH OF WATER MAIN SHALL BE CENTERED UNDER OR OVER THE SEWER SO THAT BOTH JOINTS WILL BE AS FAR FROM THE SEWER LINE AS POSSIBLE. IN ADDITION, WHEN THE WATER MAIN PASSES UNDER A SEWER, ADEQUATE STRUCTURAL SUPPORT (COMPACTED SELECT FILL) SHALL BE PROVIDED FOR THE SEWER TO PREVENT EXCESSIVE DEFLECTION OF JOINTS AND SETTLING OF THE SEWER PIPE ON THE WATER MAIN. MINIMUM HORIZONTAL SEPARATION BETWEEN PARALLEL WATER MAINS AND SEWER PIPES (INCLUDING MANHOLES AND VAULTS) SHALL BE 10 FEET MEASURED FROM THE OUTSIDE OF THE PIPES, MANHOLES OR VAULTS.
4. ALL WATER MAINS SHALL HAVE A MINIMUM OF (5) FIVE FEET OF COVER FROM THE TOP OF THE MAIN TO FINISHED GRADE. THE CONTRACTOR SHALL CHECK ALL FINISHED GRADE STAKES BEFORE TRENCHING TO ENSURE THAT ALL INSTALLED WATERMAINS WILL HAVE THE REQUIRED COVER.
5. THE SUPPLIER OF WATER MUST RECEIVE AT LEAST 48-HOUR ADVANCE NOTIFICATION REQUESTING SAMPLING SERVICES. SAMPLING WILL NOT BE PERFORMED PRIOR TO RECEIPT FROM A NEW YORK STATE LICENSED OR REGISTERED DESIGN PROFESSIONAL (ENGINEER, ARCHITECT, OR LAND SURVEYOR WITH A SPECIAL EXEMPTION UNDER SECTION 7208(N) OF THE EDUCATION LAW) CERTIFYING THAT THE WATER SUPPLY IMPROVEMENTS, TESTING AND DISINFECTION PROCEDURES WERE COMPLETED IN ACCORDANCE WITH THE APPROVAL PLANS, REPORTS, SPECIFICATIONS AND ANY APPROVED AMENDMENTS. A NYSDOH CERTIFIED LABORATORY WILL COLLECT SAMPLES FOR FREE CHLORINE RESIDUAL, TOTAL AND FECAL COLIFORM AND 24-HOUR BACTERIAL PLATE COUNT. THE CERTIFICATE OF COMPLIANCE SHALL BE PROVIDED TO THE WATER MAINTENANCE SUPERVISOR AS A CONDITION OF APPROVAL FOR OPERATION.
6. THE CONTRACTOR SHALL COORDINATE THE TESTING WITH THE WATER DEPARTMENT SO AS TO MAINTAIN THE AMOUNT OF SERVICE INTERRUPTION TO EXISTING USERS TO THE LEAST EXTENT PRACTICABLE. WATER MAIN INSTALLATION AND TESTING SHALL BE PERFORMED UNDER THE SUPERVISION OF THE PROJECT ENGINEER OR HIS DESIGNEE AS NECESSARY TO MEET CONDITIONS IN NOTE 5 ABOVE.
7. THE WATER MAIN SHALL BE PRESSURE LEAKAGE TESTED IN ACCORDANCE WITH THE MINIMUM REQUIREMENTS OF THE AWWA STANDARD C600 (LATEST REVISION) OR IN ACCORDANCE WITH MORE STRINGENT REQUIREMENTS IMPOSED BY THE SUPPLIER OF WATER. TEST TO FIRST VALVE WITHIN BUILDING.
8. THE WATER MAIN SHALL BE DISINFECTED EQUAL TO AWWA STANDARD FOR DISINFECTING WATER MAINS DESIGNATION C651 (LATEST REVISION). THE FOLLOWING DISINFECTION, THE WATER MAIN SHALL BE FLUSHED UNTIL THE CHLORINE CONCENTRATION IN THE WATER LEAVING THE MAIN IS NO HIGHER THAN THAT GENERALLY PREVAILING IN THE SYSTEM. THE PROJECT ENGINEER OR HIS DESIGNEE SHALL ALSO WITNESS DISINFECTION AND FLUSHING.
9. ALL WATER MAIN FITTINGS NOT RECEIVING 24-HOUR CHLORINE DISINFECTION TIME MUST BE SWAB-DISINFECTED 30 MINUTES PRIOR TO INSTALLATION.
10. THE SAMPLING POINT(S) MUST




**LEGEND:**

- EXISTING FEATURE TO BE REMOVED
- EXISTING TREE TO BE REMOVED
- EXISTING SITE FEATURE TO BE REMOVED
- EXISTING PAVEMENT & SIDEWALK TO BE REMOVED
- EXISTING BUILDING TO BE REMOVED
- WORKLIMITS
- PROPOSED BUILDING
- PROPOSED TREE LINE
- EXISTING TREE TO REMAIN

**EXISTING TREES**

| SPECIES | 8" | 9" | 10" | 12" | 13" | 14" | 15" | 16" | 18" | 20" | 22" | 23" | 24" | 25" | 28" | 30" | 36" | 40" | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Apple | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Ash | 6 | 0 | 3 | 19 | 0 | 0 | 1 | 0 | 0 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 35 |
| Birch | 0 | 0 | 2 | 2 | 0 | 2 | 1 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| Cherry | 8 | 0 | 7 | 12 | 1 | 0 | 5 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34 |
| Chestnut | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Cottonwood | 1 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 11 |
| Hickory | 11 | 1 | 5 | 27 | 0 | 0 | 8 | 0 | 9 | 11 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 78 |
| Locust | 2 | 0 | 8 | 11 | 2 | 7 | 1 | 1 | 5 | 5 | 0 | 0 | 6 | 0 | 1 | 0 | 1 | 1 | 51 |
| Maple | 31 | 30 | 44 | 81 | 0 | 20 | 14 | 8 | 29 | 17 | 3 | 0 | 10 | 1 | 0 | 2 | 1 | 0 | 291 |
| Oak | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| Poplar | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| Sycamore | 0 | 0 | 0 | 15 | 0 | 0 | 0 | 3 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 |
| Walnut | 5 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| Willow | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |

**TREES TO BE REMOVED**

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Apple | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Ash | 4 | 0 | 1 | 7 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| Birch | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Cherry | 5 | 0 | 7 | 2 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 |
| Chestnut | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cottonwood | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 4 |
| Hickory | 3 | 0 | 1 | 10 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 21 |
| Locust | 2 | 0 | 4 | 7 | 2 | 3 | 0 | 0 | 1 | 6 | 0 | 0 | 3 | 0 | 0 | 0 | 1 | 0 | 29 |
| Maple | 16 | 5 | 11 | 30 | 0 | 11 | 4 | 0 | 19 | 3 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 103 |
| Oak | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Poplar | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| Sycamore | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Walnut | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Willow | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

**TREES TO BE PRESERVED**

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Apple | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ash | 2 | 0 | 2 | 12 | 0 | 0 | 1 | 0 | 0 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 23 |
| Birch | 0 | 0 | 2 | 2 | 0 | 2 | 1 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| Cherry | 3 | 0 | 0 | 10 | 1 | 0 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 |
| Chestnut | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Cottonwood | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 7 |
| Hickory | 8 | 1 | 4 | 17 | 0 | 0 | 8 | 0 | 7 | 9 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 57 |
| Locust | 0 | 0 | 4 | 4 | 0 | 4 | 1 | 1 | 4 | 0 | 0 | 0 | 3 | 0 | 1 | 0 | 0 | 1 | 23 |
| Maple | 14 | 25 | 34 | 51 | 0 | 9 | 10 | 8 | 11 | 14 | 3 | 0 | 6 | 1 | 0 | 2 | 1 | 0 | 189 |
| Oak | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Poplar | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Sycamore | 0 | 0 | 0 | 15 | 0 | 0 | 0 | 3 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 |
| Walnut | 5 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| Willow | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |

## TREE CLEARING NOTES:

1. IMPLEMENTING TREE CLEARING FOR SITE ACTIVITIES DURING TIME FRAMES WHEN BATS ARE NOT RESIDENT ON THE SITE. OCTOBER 1–MARCH 31 OR UNLESS APPROVED BY THE NYSDEC OUTSIDE THIS TIME FRAME.
2. PRIOR TO CLEARING, THE LIMITS OF PROPOSED CLEARING WILL BE CLEARLY DEMARCATED ON THE SITE WITH ORANGE CONSTRUCTION FENCING OR SIMILAR TO PREVENT INADVERTENT OVERCLEARING OF THE SITE SINCE ABOUT 2.3 ACRES OF THE FORESTED HABITAT WILL REMAIN.

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0 1 2 3
ORIGINAL SCALE IN INCHES

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- White Plains, NY
- New York City, NY

| rev. | date | description |
|---|---|---|
| 3 | 10/05/21 | REVISED FOR PLANNING BOARD SUBMISSION |
| 2 | 8/31/21 | REVISED FOR PLANNING BOARD SUBMISSION |
| 1 | 06/29/21 | REVISED FOR PLANNING BOARD SUBMISSION |

HIGHVIEW II - MILTON STREET

# DEMOLITION & TREE REMOVAL PLAN

CITY OF POUGHKEEPSIE, DUTCHESS COUNTY, NEW YORK

| designed | checked |
|---|---|
| TL | LB |
| date | scale |
| 05/25/21 | 1" = 30' |
| project no. | |
| 81947.00 | |
| sheet no. | |
| C120 | |

Drawing Name: Z:\projects\81900-81999\81947.00 – Highview II\DWG\01_C120_81947_DEMO&TREE REMOVAL PLAN.dwg
Xrefs Attached: XBASE-ENG_81947; XLAYOUT_81947; XBASE-ENG_81947-00; XTB_30X42_81947
Date Printed: Oct 05, 2021, 4:13pm




**NOTES:**

1. SEE SHEET C100 FOR NOTES AND LEGENDS.
2. SEE SHEET C530 & C531 FOR SITE DETAILS.

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| rev. | date | description |
|---|---|---|
| 3 | 10/05/21 | REVISED FOR PLANNING BOARD SUBMISSION |
| 2 | 8/31/21 | REVISED FOR PLANNING BOARD SUBMISSION |
| 1 | 06/29/21 | REVISED FOR PLANNING BOARD SUBMISSION |

**HIGHVIEW II - MILTON STREET**

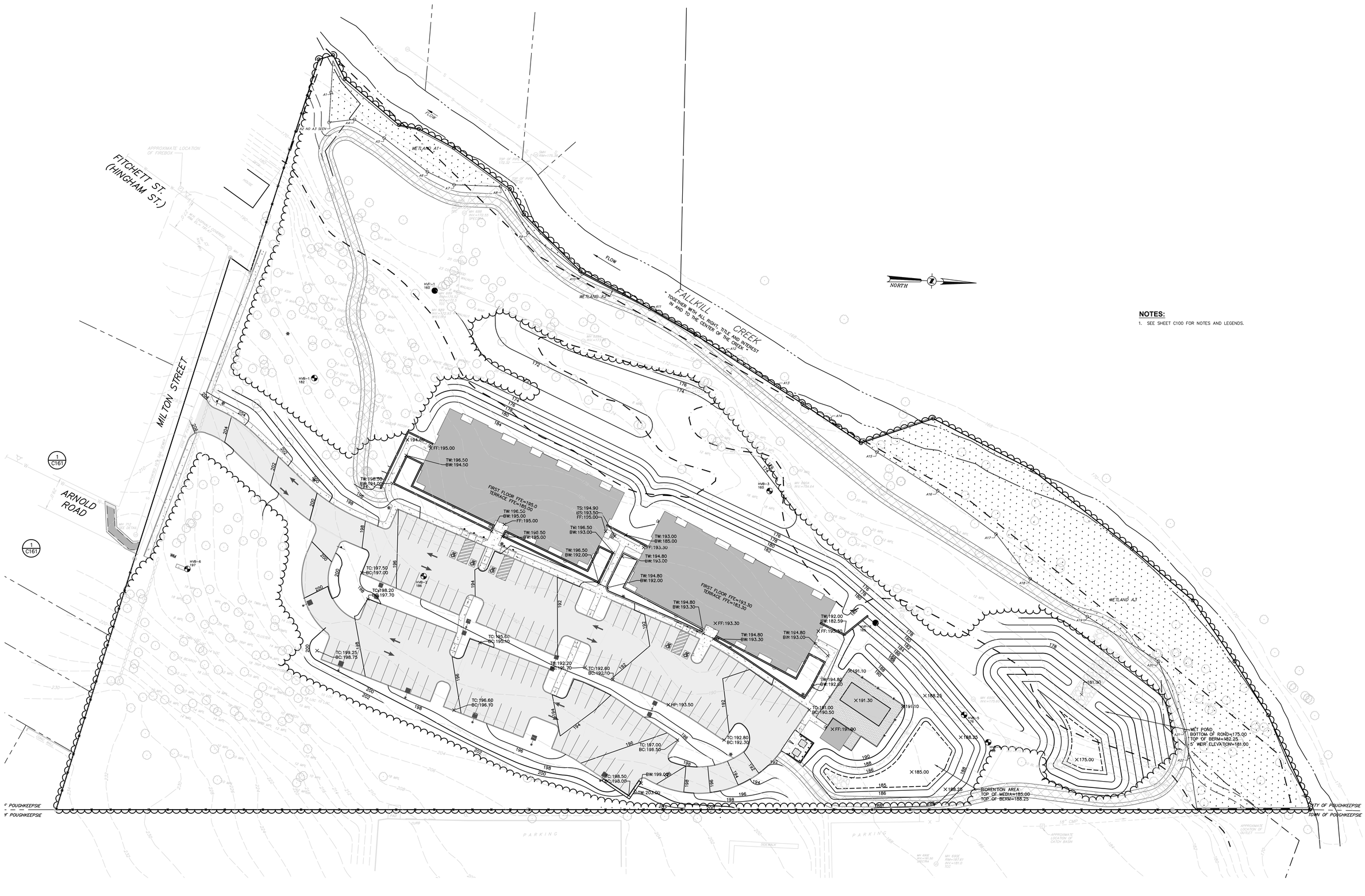
# SITE PLAN

CITY OF POUGHKEEPSIE, DUTCHESS COUNTY, NEW YORK

| designed | checked |
|---|---|
| TL | LB |
| date | scale |
| 05/25/21 | 1"=30' |
| project no. | |
| 81947.00 | |
| sheet no. | |
| C130 | |

0 1 2 3
ORIGINAL SCALE IN INCHES

Drawing Name: Z:\projects\81900-81999\81947.00 - Highview II\DWG\01_C130_SITE PLAN_81947-00.dwg
Xref's Attached: XLAYOUT_81947; XTB_30X42_81947; XBASE-ENG-WETLAND_81947-00; XBASE-ENG_81947; XGRADING_81947
Date Printed: Oct 05, 2021, 4:13pm




**NOTES:**

1. SEE SHEET C100 FOR NOTES AND LEGENDS.

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0 1 2 3
ORIGINAL SCALE IN INCHES

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| rev. | date | description |
|---|---|---|
| 2 | 8/31/21 | REVISED FOR PLANNING BOARD SUBMISSION |
| 1 | 06/29/21 | REVISED FOR PLANNING BOARD SUBMISSION |

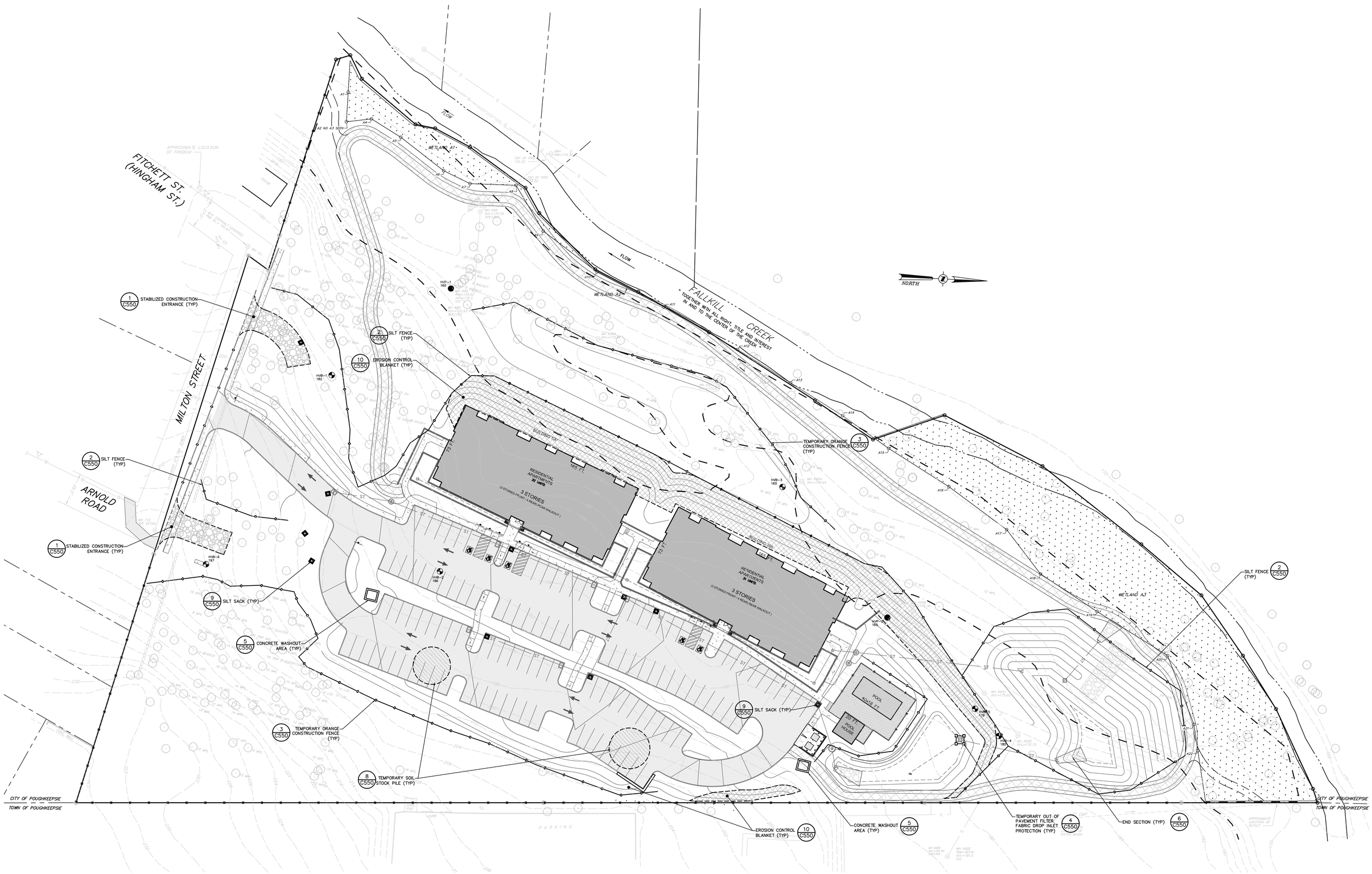
**HIGHVIEW II - MILTON STREET**

# GRADING PLAN

CITY OF POUGHKEEPSIE, DUTCHESS COUNTY, NEW YORK

| designed | checked |
|---|---|
| TL | LB |
| date | scale |
| 05/25/21 | 1" = 30' |
| project no. | |
| 81947.00 | |
| sheet no. | |
| C140 | |

Drawing Name: Z:\projects\81900-81999\81947.00 - Highview II\DWG\01_C140_GRADING_81947-00.dwg
Xrefs Attached: XTB_30X42_81947; XLAYOUT_81947; XGRADING_81947; XEROS_81947; XBASE-ENG_81947; XBASE-ENG-WETLAND_81947-00
Date Printed: Oct 05, 2021, 4:13pm




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0 1 2 3
ORIGINAL SCALE IN INCHES

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| rev. | date | description |
|---|---|---|
| 2 | 8/31/21 | REVISED FOR PLANNING BOARD SUBMISSION |
| 1 | 06/29/21 | REVISED FOR PLANNING BOARD SUBMISSION |

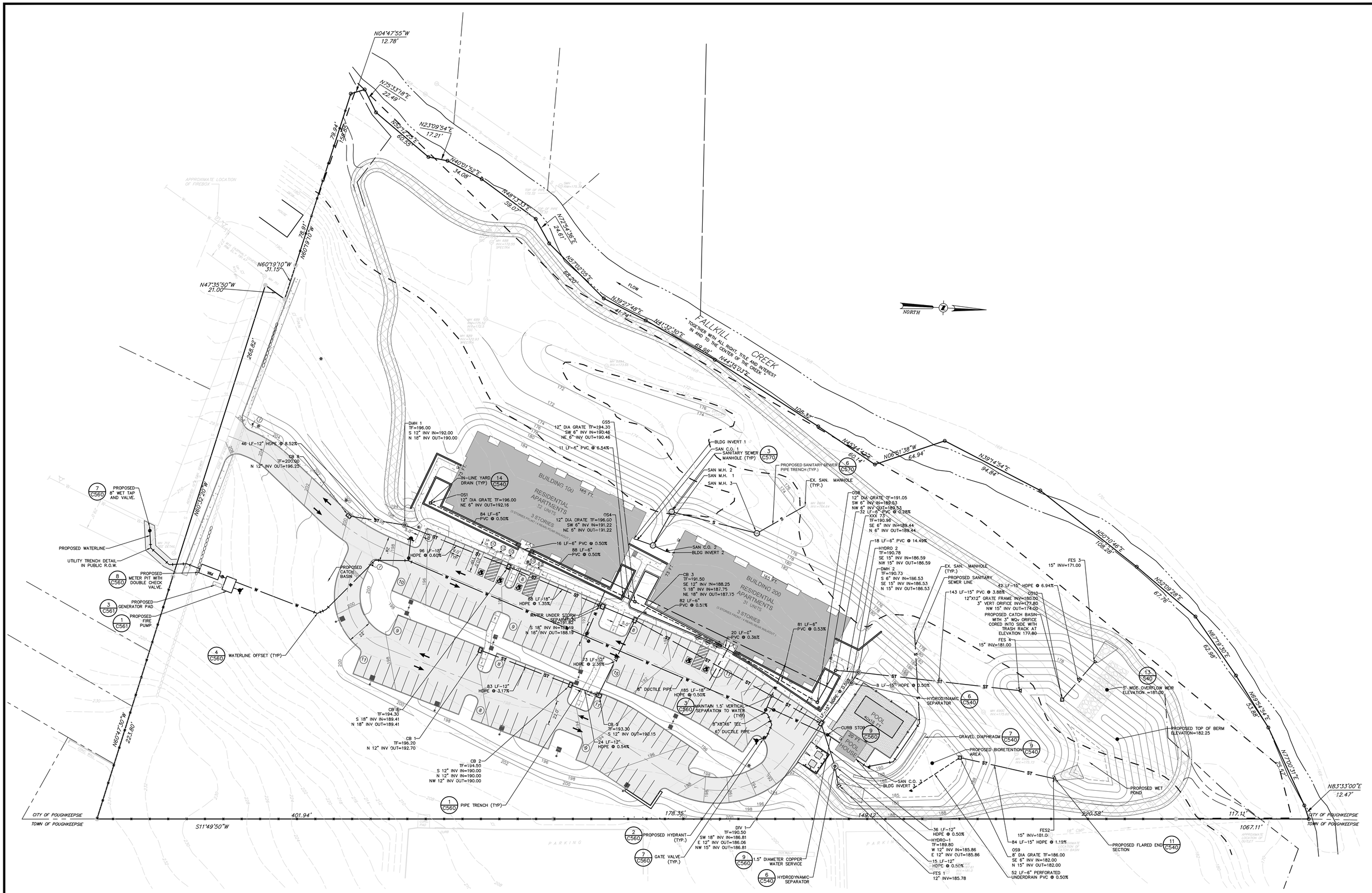
**HIGHVIEW II - MILTON STREET**

# EROSION AND SEDIMENT CONTROL PLAN

CITY OF POUGHKEEPSIE, DUTCHESS COUNTY, NEW YORK

| designed | checked |
|---|---|
| LTN | LB |
| date | scale |
| 05/25/21 | 1" = 30' |
| project no. | |
| 81947.00 | |
| sheet no. | |
| C150 | |

Drawing Name: Z:\projects\81900-81999\81947.00 - Highview II\DWG\01_C150_EROS_81947-00.dwg
Xref's Attached: XTB_30X42_81947; XLAYOUT_81947; XGRADING_81947; XEROS_81947; XUTIL_81947; XBASE-ENG-WETLAND_81947-00; XBASE-ENG_81947
Date Printed: Oct 05, 2021, 4:14pm




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0 1 2 3
ORIGINAL SCALE IN INCHES

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| rev. | date | description |
|---|---|---|
| 3 | 10/05/21 | REVISE FOR PLANNING BOARD SUBMISSION |
| 2 | 8/31/21 | REVISED FOR PLANNING BOARD SUBMISSION |
| 1 | 06/29/21 | REVISED FOR PLANNING BOARD SUBMISSION |

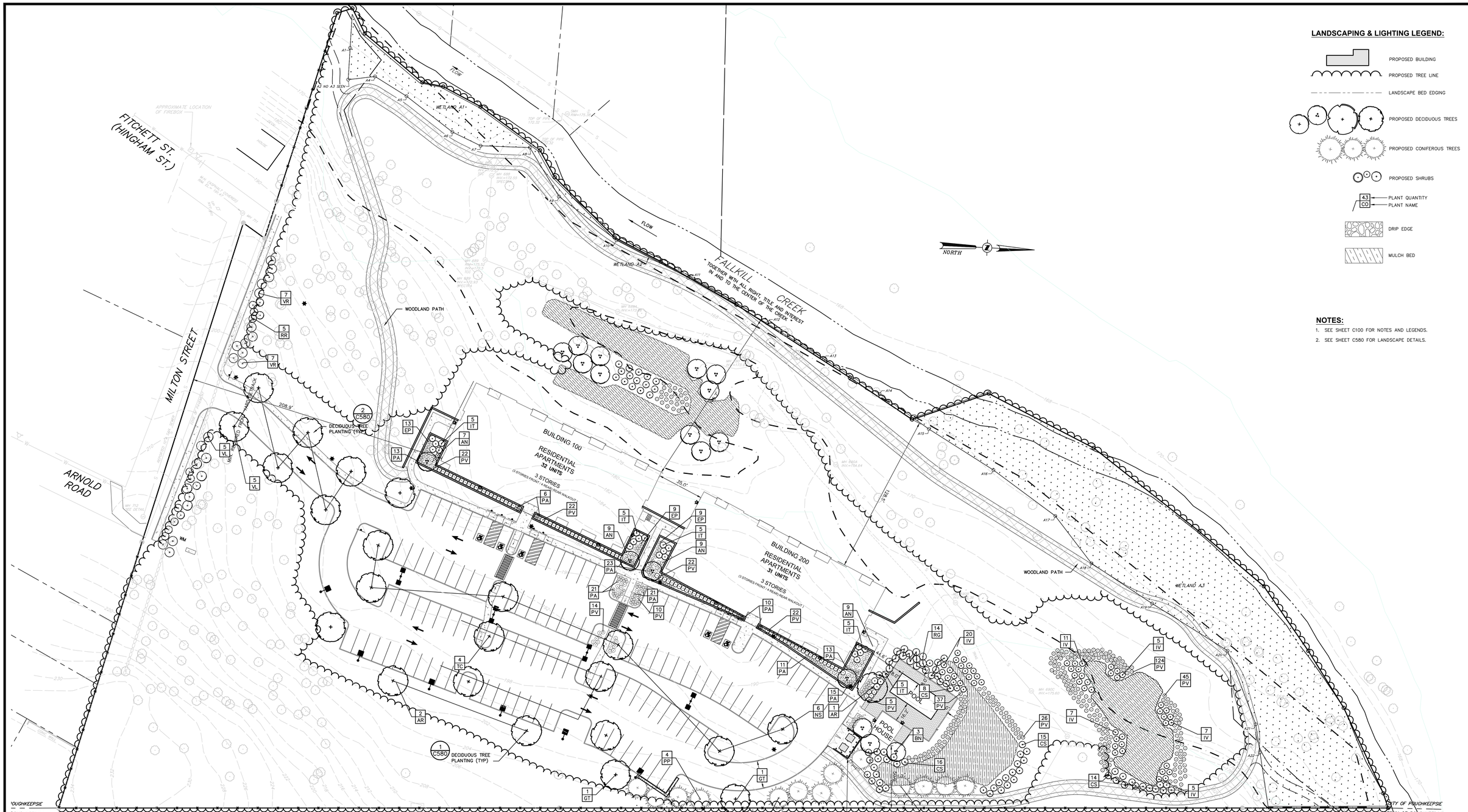
**HIGHVIEW II - MILTON STREET**

# UTILITY PLAN

CITY OF POUGHKEEPSIE, DUTCHESS COUNTY, NEW YORK

| designed | checked |
|---|---|
| TL | LB |
| date | scale |
| 05/25/21 | 1"=30' |
| project no. | |
| 81947.00 | |
| sheet no. | |
| C160 | |

Drawing Name: Z:\projects\81900–81999\81947.00 – Highview II\DWG\01_C160_UTIL_81947–00.dwg
Xref's Attached: XBASE–ENG_81947–00; XLAYOUT_81947; XUTIL_81947; XBASE–ENG_81947; XTB_30X42_81947; XGRADING_81947; XEROS_81947
Date Printed: Oct. 05, 2021, 4:14pm




## LANDSCAPING & LIGHTING LEGEND:

- PROPOSED BUILDING
- PROPOSED TREE LINE
- LANDSCAPE BED EDGING
- PROPOSED DECIDUOUS TREES
- PROPOSED CONIFEROUS TREES
- PROPOSED SHRUBS
- 43 / CO — PLANT QUANTITY / PLANT NAME
- DRIP EDGE
- MULCH BED

## NOTES:

1. SEE SHEET C100 FOR NOTES AND LEGENDS.
2. SEE SHEET C580 FOR LANDSCAPE DETAILS.

## PLANT LIST

| QTY | ABRV | BOTANICAL NAME | COMMON NAME | SIZE | COND | SPACING | REMARKS |
|---|---|---|---|---|---|---|---|
| **TREES** | | | | | | | |
| 3 | AR | Acer rubrum 'October Glory' | October Glory Red Maple | 2 – 2.5" Cal. | B&B | As Shown | |
| 6 | BN | Betula nigra 'Heritage' | Heritage River Birch | 10–12' | B&B | As Shown | |
| 9 | GT | Gleditsia triacanthos inermis | Thornless Honeylocust | 3" – 3.5" Cal. | B&B | As Shown | |
| 6 | NS | Nyssa sylvatica | Black Tupelo | 3 – 3.5" Cal. | B&B | As Shown | |
| 7 | PG | Picea glauca | White Spruce | 8' – 10' | B&B | As Shown | |
| 3 | PP | Picea pungens glauca | Colorado Blue Spruce | 8' – 10' | B&B | As Shown | |
| 4 | TC | Tilia cordata 'Greenspire' | Greenspire Linden | 3 – 3.5" Cal. | B&B | As Shown | |
| 6 | UA | Ulmus americana 'Princeton' | Princeton Elm | 3–3.5" | B&B | As Shown | |
| **SHRUBS** | | | | | | | |
| 38 | CS | Cornus sericea 'Baileyi' | Red Twig Dogwood | #5 | cont. | As Shown | |
| 55 | IV | Ilex verticillata | Winterberry Holly | #5 | cont. | As Shown | |
| 25 | IT | Itea virginica | Virginia Sweetspire | #5 | cont. | As Shown | |
| 16 | RR | Rhododendron 'Roseum Elegans' | Hybrid Pink Rhododendron | 30–36" | B&B | As Shown | |
| 16 | RG | Rhus aromatica 'Gro Low' | Grow Low Sumac | #5 | cont. | As Shown | |
| 13 | VL | Viburnum lentago | Nannyberry Viburnum | 3–4' | B&B | As Shown | |
| 7 | UA | Viburnum rhytidophyllum | Leatherleaf Viburnum | 3–4' | B&B | As Shown | |
| **PERENNIALS/GRASSES** | | | | | | | |
| 138 | PA | Pennisetum alopecuroides | Dwarf Fountain Grass | #2 | cont. | As Shown | |
| 325 | PV | Panicum virgatum | Switchgrass | #2 | cont. | As Shown | |
| 34 | VL | Aster novae–angliae | New England Aster | #2 | cont. | As Shown | |
| 31 | EP | Purple Coneflower | Echinacea purpurea | #2 | cont. | As Shown | |

## SOIL RESTORATION NOTES:

IN AREAS WHERE SOIL DISTURBANCE HAS OCCURRED OUTSIDE OF BUILDINGS AND PAVEMENT AREAS, THE DISTURBED SUB–SOILS SHALL BE RETURNED TO ROUGH GRADE AND THE FOLLOWING SOILS RESTORATION STEPS APPLIED:

1) APPLY THREE INCHES OF COMPOST OVER SOIL. COMPOST SHALL BE AGED, FROM PLANT DERIVED MATERIALS, FREE OF VIABLE WEED SEEDS, HAVE NO VISIBLE FREE WATER OR DUST PRODUCED WHEN HANDLING, PASS THROUGH A HALF INCH SCREEN AND HAVE A PH SUITABLE TO GROW DESIRED PLANTS.
2) TILL COMPOST INTO THE SUBSOIL TO A DEPTH OF AT LEAST 12–INCHES USING A CAT–MOUNTED RIPPER, TRACTOR MOUNTED DISC, OR TILLER, MIXING AND CIRCULATING AIR AND COMPOST INTO SUB–SOILS.
3) ROCK–PICK UNTIL UPLIFTED STONE/ROCK MATERIALS OF FOUR INCHES AND LARGER SIZE ARE CLEANED OFF THE SITE.
4) APPLY TOPSOIL TO A DEPTH OF SIX INCHES.

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| rev. | date | description |
|---|---|---|
| 4 | 10/04/21 | REVISED FOR PLANNING BOARD SUBMISSION |
| 3 | 9/14/21 | REVISED FOR ZONING BOARD OF APPEALS |
| 2 | 8/31/21 | REVISED FOR PLANNING BOARD SUBMISSION |
| 1 | 06/29/21 | REVISED FOR PLANNING BOARD SUBMISSION |

HIGHVIEW II - MILTON STREET

# LANDSCAPE PLAN

CITY OF POUGHKEEPSIE, DUTCHESS COUNTY, NEW YORK

| designed | checked |
|---|---|
| TL | LB |
| date | scale |
| 05/25/21 | 1"=30' |
| project no. | |
| 81947.00 | |
| sheet no. | |
| C180 | |

0 1 2 3
ORIGINAL SCALE IN INCHES

Drawing Name: Z:\projects\81900–81999\81947.00 – Highview II\DWG\01_C180_81947_LAND.dwg
Xref's Attached: XLAYOUT_81947; XLANDSCAPE_81947; XTB_30442_81947; XBASE–ENG_81947; XBASE–ENG–WETLAND_81947–00; XGRADING_81947
Date Printed: Oct 05, 2021, 4:16pm

## PHOTOMETRIC LEGEND:

- PROPERTY LINE
- BUILDING
- FOOT CANDLE TICK MARKS (×1.2)
- PHOTOMETRIC CONTOUR
- LIGHT POLE
- LIGHT WALL PACK
- POST AND LUMINAIRE

ABBREVIATIONS:

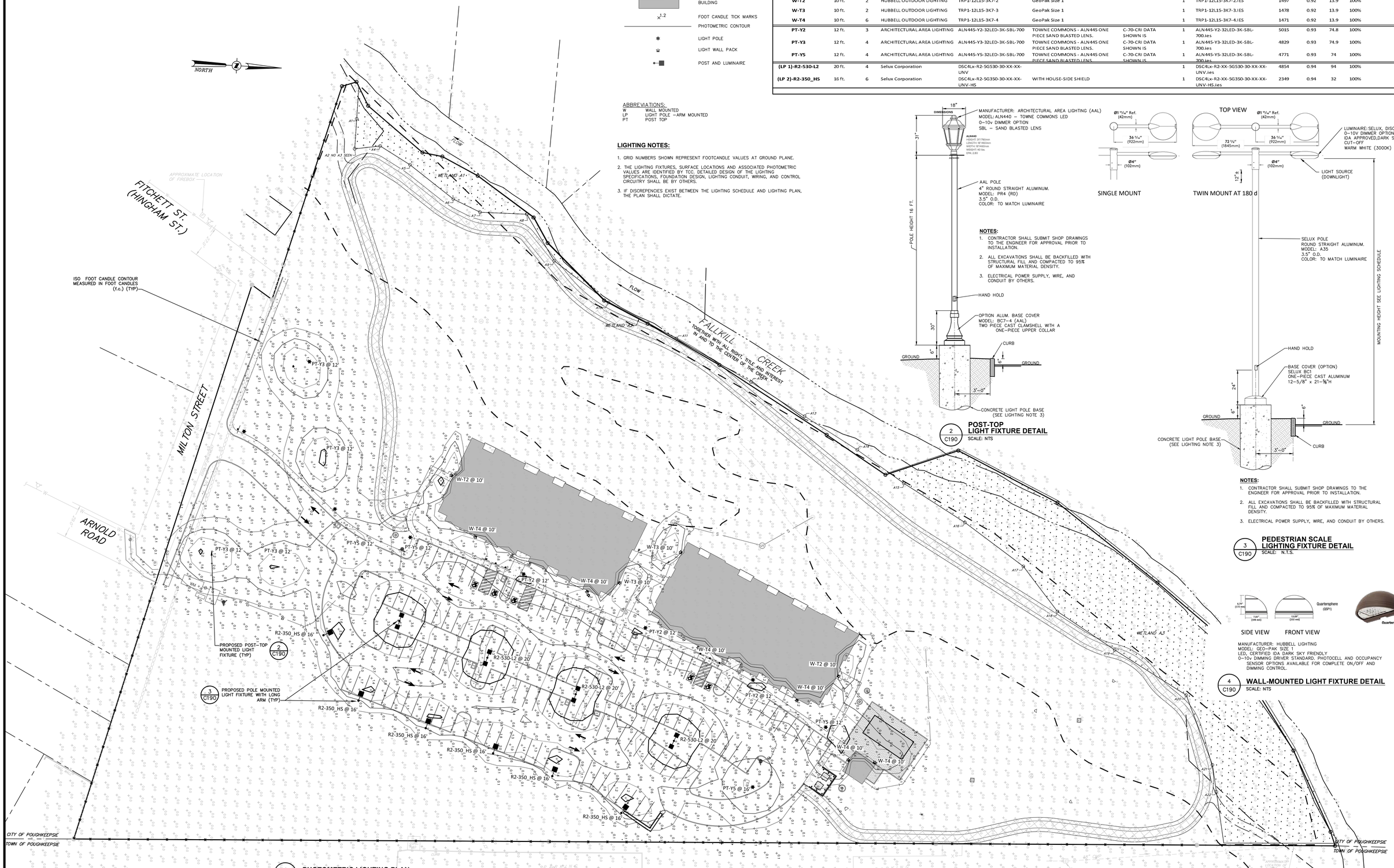
| | |
|---|---|
| W | WALL MOUNTED |
| LP | LIGHT POLE – ARM MOUNTED |
| PT | POST TOP |

## LIGHTING NOTES:

1. GRID NUMBERS SHOWN REPRESENT FOOTCANDLE VALUES AT GROUND PLANE.
2. THE LIGHTING FIXTURES, SURFACE LOCATIONS AND ASSOCIATED PHOTOMETRIC VALUES ARE IDENTIFIED BY TCC. DETAILED DESIGN OF THE LIGHTING SPECIFICATIONS, FOUNDATION DESIGN, LIGHTING CONDUIT, WIRING, AND CONTROL CIRCUITRY SHALL BE BY OTHERS.
3. IF DISCREPENCIES EXIST BETWEEN THE LIGHTING SCHEDULE AND LIGHTING PLAN, THE PLAN SHALL DICTATE.

**LIGHTING SCHEDULE**

| Label | Mounting Height | QTY | Manufacturer | Catalog Number | Description | Lamp | Number Lamps | Filename | Lumens per Lamp | LLF | Wattage | Efficiency | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **W-T2** | 10 ft. | 2 | HUBBELL OUTDOOR LIGHTING | TRP1-12L1S-3K7-2 | GeoPak Size 1 | | 1 | TRP1-12L1S-3K7-2.IES | 1497 | 0.92 | 13.9 | 100% | |
| **W-T3** | 10 ft. | 2 | HUBBELL OUTDOOR LIGHTING | TRP1-12L1S-3K7-3 | GeoPak Size 1 | | 1 | TRP1-12L1S-3K7-3.IES | 1478 | 0.92 | 13.9 | 100% | |
| **W-T4** | 10 ft. | 6 | HUBBELL OUTDOOR LIGHTING | TRP1-12L1S-3K7-4 | GeoPak Size 1 | | 1 | TRP1-12L1S-3K7-4.IES | 1471 | 0.92 | 13.9 | 100% | |
| **PT-Y2** | 12 ft. | 3 | ARCHITECTURAL AREA LIGHTING | ALN445-Y2-32LED-3K-SBL-700 | TOWNE COMMONS - ALN445 ONE PIECE SAND BLASTED LENS. | C-70-CRI DATA SHOWN IS | 1 | ALN445-Y2-32LED-3K-SBL-700.ies | 5015 | 0.93 | 74.8 | 100% | |
| **PT-Y3** | 12 ft. | 4 | ARCHITECTURAL AREA LIGHTING | ALN445-Y3-32LED-3K-SBL-700 | TOWNE COMMONS - ALN445 ONE PIECE SAND BLASTED LENS. | C-70-CRI DATA SHOWN IS | 1 | ALN445-Y3-32LED-3K-SBL-700.ies | 4829 | 0.93 | 74.9 | 100% | |
| **PT-Y5** | 12 ft. | 4 | ARCHITECTURAL AREA LIGHTING | ALN445-Y5-32LED-3K-SBL-700 | TOWNE COMMONS - ALN445 ONE PIECE SAND BLASTED LENS. | C-70-CRI DATA SHOWN IS | 1 | ALN445-Y5-32LED-3K-SBL-700.ies | 4771 | 0.93 | 74 | 100% | |
| **(LP 1)-R2-530-L2** | 20 ft. | 4 | Selux Corporation | DSC4Lx-R2-XX-SG530-30-XX-XX-UNV | | | 1 | DSC4Lx-R2-XX-SG530-30-XX-XX-UNV.ies | 4854 | 0.94 | 94 | 100% | |
| **(LP 2)-R2-350_HS** | 16 ft. | 6 | Selux Corporation | DSC4Lx-R2-SG350-30-XX-XX-UNV-HS | WITH HOUSE-SIDE SHIELD | | 1 | DSC4Lx-R2-XX-SG350-30-XX-XX-UNV-HS.ies | 2349 | 0.94 | 32 | 100% | |




1 C190 **PHOTOMETRIC LIGHTING PLAN**
SCALE: 1"=30'




**NOTES:**

1. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE ENGINEER FOR APPROVAL PRIOR TO INSTALLATION.
2. ALL EXCAVATIONS SHALL BE BACKFILLED WITH STRUCTURAL FILL AND COMPACTED TO 95% OF MAXIMUM MATERIAL DENSITY.
3. ELECTRICAL POWER SUPPLY, WIRE, AND CONDUIT BY OTHERS.

2 C190 **POST-TOP LIGHT FIXTURE DETAIL**
SCALE: NTS




SINGLE MOUNT




TWIN MOUNT AT 180 d

**NOTES:**

1. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE ENGINEER FOR APPROVAL PRIOR TO INSTALLATION.
2. ALL EXCAVATIONS SHALL BE BACKFILLED WITH STRUCTURAL FILL AND COMPACTED TO 95% OF MAXIMUM MATERIAL DENSITY.
3. ELECTRICAL POWER SUPPLY, WIRE, AND CONDUIT BY OTHERS.

3 C190 **PEDESTRIAN SCALE LIGHTING FIXTURE DETAIL**
SCALE: N.T.S.




SIDE VIEW FRONT VIEW

MANUFACTURER: HUBBELL LIGHTING
MODEL: GEO–PAK SIZE 1
LED, CERTIFIED IDA DARK SKY FRIENDLY
0–10V DIMMING DRIVER STANDARD. PHOTOCELL AND OCCUPANCY SENSOR OPTIONS AVAILABLE FOR COMPLETE ON/OFF AND DIMMING CONTROL.

4 C190 **WALL-MOUNTED LIGHT FIXTURE DETAIL**
SCALE: NTS

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0 1 2 3
ORIGINAL SCALE IN INCHES

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| rev. | date | description |
|---|---|---|
| 2 | 8/31/21 | REVISED FOR PLANNING BOARD SUBMISSION |
| 1 | 06/29/21 | REVISED FOR PLANNING BOARD SUBMISSION |

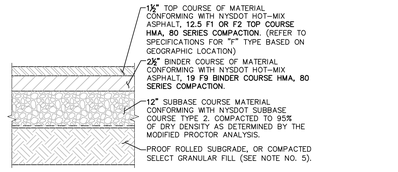
**HIGHVIEW II - MILTON STREET**

# PHOTOMETRIC LIGHTING PLAN

CITY OF POUGHKEEPSIE, DUTCHESS COUNTY, NEW YORK

| designed | checked |
|---|---|
| SMD | LB |
| date | scale |
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| project no. | |
| 81947.00 | |
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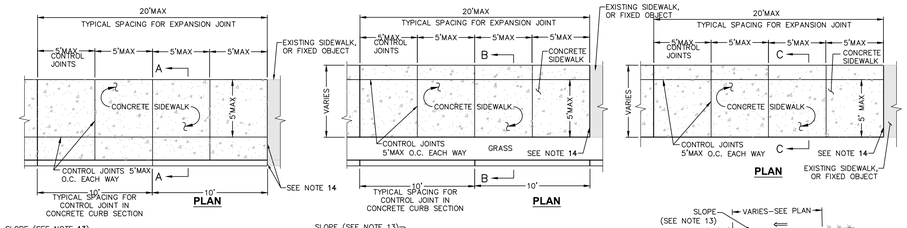
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Date Printed: Oct 05, 2021, 4:15pm

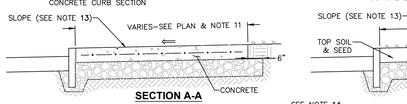


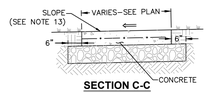

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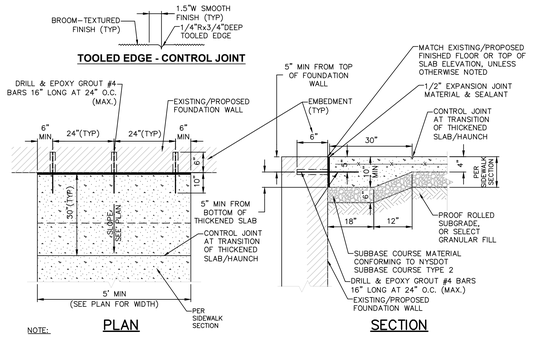
1. MATERIALS AND METHODS OF CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION (NYSDOT) STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, DATED **"CURRENT VERSION"**, AND ALL ADDENDA THERE TO.
2. SUBBASE MATERIAL SHALL CONFORM WITH **SECTION 304** – SUBBASE COURSE OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS AND THE TYPE CALLED OUT IN THESE DRAWINGS.
3. HOT MIX ASPHALT (HMA) PAVEMENT SHALL CONFORM WITH **SECTION 400**–HOT MIX ASPHALT OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS AND THE TYPE CALLED OUT IN THESE DRAWINGS. ALTHOUGH **SECTION 400** IN ITS ENTIRETY IS REFERENCED, THE HOT MIX ASPHALT (HMA) PAVEMENT(S) SPECIFIED FOR THIS CONTRACT SHALL BE AS SPECIFIED UNDER **SECTION 402**–HOT MIX ASPHALT (HMA) PAVEMENTS.
4. TACK COAT WHEN SPECIFIED OR CALLED OUT IN THESE DRAWINGS OR REQUIRED BY THE REFERENCED SPECIFICATIONS SHALL CONFORM WITH **SECTION 407**–TACK COAT OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS.
5. WHERE IT IS NECESSARY TO PLACE FILL FOR PURPOSES OF BRINGING THE SUBGRADE ELEVATION UP TO A SPECIFIED GRADE, THE FILL MATERIAL PLACED SHALL BE IN CONFORMANCE WITH **SECTION 203**– EXCAVATION AND EMBANKMENT OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS.
6. PAVEMENT SECTION SHOWN IS PRELIMINARY. PRIOR TO BIDDING AND COMMENCEMENT OF CONSTRUCTION, THE FINAL DESIGN OF THE PAVEMENT SECTION MUST BE PREPARED BY A NYS LICENSED PROFESSIONAL ENGINEER AND MUST BE BASED ON A CURRENT GEOTECHNICAL REPORT PREPARED FOR THIS PROJECT.

## 1 PAVEMENT SECTION DETAIL
SCALE: NOT TO SCALE



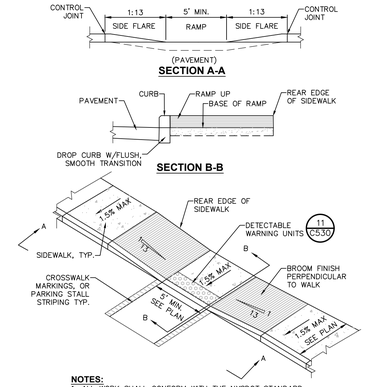




NOTE:

1. THICKENED (HAUNCH) & ADDITIONALLY REINFORCED CONCRETE SIDEWALK ENDS ARE REQUIRED AT ALL EXISTING/PROPOSED BUILDING ENTRANCES.
2. SEE CONCRETE SIDEWALK DETAIL FOR ADDITIONAL DETAILS & NOTES.

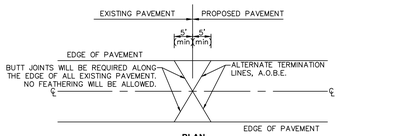
## 3 CONCRETE SIDEWALK AT BUILDING ENTRANCES
SCALE: NOT TO SCALE

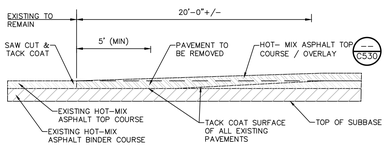


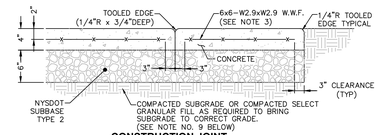

**NOTES:**

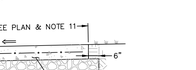
1. ALL WORK SHALL CONFORM WITH THE NYSDOT STANDARD SPECIFICATION FOR CONSTRUCTION AND MATERIALS DATED, **"CURRENT VERSION"**, AND ALL ADDENDA THERE TO; SPECIFICALLY **SECTION 608**– SIDEWALKS, DRIVEWAYS, AND BICYCLE PATHS.
2. SLOPE RAMP AND SIDE FLARES AS INDICATED IN THE PLANS OR AS ORDERED BY THE ENGINEER.
3. DETECTABLE WARNING UNITS SHALL BE PROVIDED ON ALL RAMPS IN ACCORDANCE W/ ADA REQUIREMENTS.

## 4 PEDESTRIAN RAMP SECTION - DROP CURB
SCALE: NOT TO SCALE



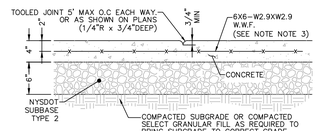





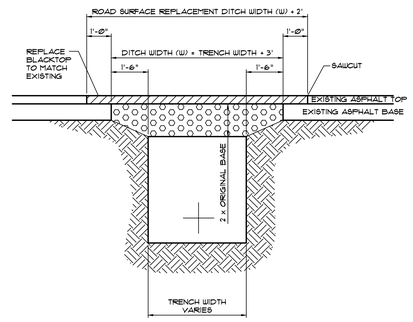




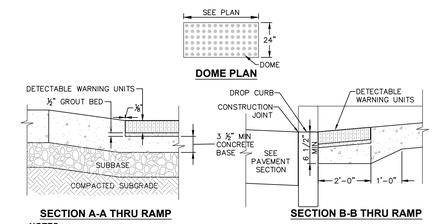

**NOTES:**

1. MATERIAL AND METHODS OF CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION (NYSDOT) STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, DATED "CURRENT VERSION", AND ALL ADDENDA THERE TO.
2. ALL CONCRETE SHALL BE **4,500** CONCRETE. CONCRETE MATERIALS, PLACEMENT, AND CONSTRUCTION SHALL CONFORM WITH **SECTION 500** OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS.
3. REINFORCING STEEL FOR CONCRETE SHALL CONFORM WITH SECTION 556 – REINFORCING STEEL FOR CONCRETE STRUCTURES OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS AND AS SPECIFICALLY CALLED OUT IN THE DRAWINGS.
4. ALL EXPOSED SURFACES SHALL HAVE A BROOM TEXTURED FINISH & TOOLED EDGES. TOOL SHALL PROVIDE MAX 1–1/2" WIDE SMOOTH TROWEL FINISH AT JOINT.
5. EXPANSION JOINTS SHALL BE LOCATED A MAXIMUM OF 20' ON CENTER, OR AS INDICATED ON PLANS.
6. JOINTS SHALL NOT BE SAW CUT.
7. EXPOSED CONCRETE SURFACES SHALL BE TREATED WITH **"SUREBOND" 1100 RESIN–BASED, WATER EMULSION CONCRETE CURING COMPOUND,** OR EQUAL. RATE AND METHOD OF APPLICATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
8. SUBBASE MATERIAL SHALL CONFORM WITH **SECTION 304** OF THE ABOVE REFERENCED NYSDOT STANDARD.
9. WHERE IT IS NECESSARY TO PLACE FILL FOR PURPOSE OF BRINGING THE SUBGRADE ELEVATION UP TO A SPECIFIED GRADE, THE FILL MATERIAL PLACED SHALL BE IN ACCORDANCE WITH SECTION 203–EXCAVATION AND EMBANKMENT OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS.
10. ALL WORK SHALL CONFORM WITH **SECTION 608**–SIDEWALK, DRIVEWAYS, AND BICYCLE PATHS OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS.
11. ALL WORK SHALL CONFORM WITH AASHTO GEOMETRIC DESIGN OF HIGHWAYS AND STREET 2011, ICC A117.1 2009. OR LATEST EDITION.
12. SIDEWALK WIDTH SHOWN ON THE PLANS IS TO BE MEASURED FROM THE BACK OF THE CURB.
13. SIDEWALKS SHALL HAVE A CROSS SLOPE OF **1.5%** MAX. UNLESS OTHERWISE NOTED ON PLAN.
14. INSTALL EXPANSION JOINT WITH PREMOLDED RESILIENT JOINT FILLER & SEALANT AT ALL EXISTING SIDEWALKS, CURBS, FIXED OBJECTS, ETC., INCLUDING THOSE PLACED ON PREVOUS DAYS.

## 2 CONCRETE SIDEWALK DETAIL
SCALE: NOT TO SCALE




## 10 CITY OF POUGHKEEPSIE FLEXIBLE PAVEMENT DETAIL AND TRENCHING LIMITS
SCALE: NOT TO SCALE

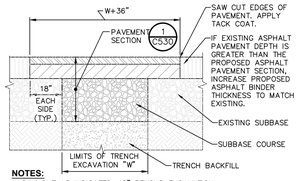



**NOTES:**

1. COORDINATE W/ OWNER FOR COLOR.
2. DETECTABLE WARNING UNIT SHALL BE ADA COMPLIANT, AND SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES.
3. MATERIALS: UNIT SHALL BE 24–INCH DETECTABLE WARNING ADA PAVERS, DOME STRAIGHT ROW SPACING PATTERN ADA–2 OR ADA–3, ADA COMPLIANT WARNING PAVER AS MANUFACTURED BY WAUSAU TILE OR CAST IRON, CAST IN PLACE ADA COMPLIANT WARNING PLATE A MANUFACTURED BY TUFTILE OR EQUAL.

**ALTERNATIVE NOTE 3, SEE SPECIFICATION SECTION 3XXXXXX FOR DETECTABLE WARNING ADA PAVERS.**

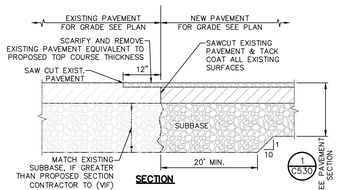
## 11 DETECTABLE WARNING UNITS FOR RAMPS
SCALE: NOT TO SCALE



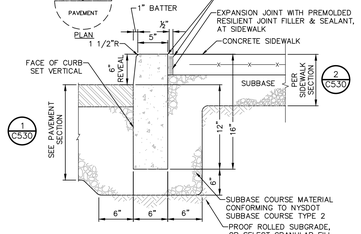

**NOTES:**

1. SAW CUT AS INDICATED, 18" BEYOND EXCAVATION.
2. FURNISH, PLACE, AND COMPACT SUBBASE.
3. TACK COAT IN ACCORDANCE WITH NYSDOT STANDARD SPEC.
4. FURNISH AND PLACE ASPHALT CONCRETE PAVEMENT AS SPECIFIED.

## 6 TRENCH SURFACE RESTORATION IN ASPHALT PAVEMENT
SCALE: NOT TO SCALE



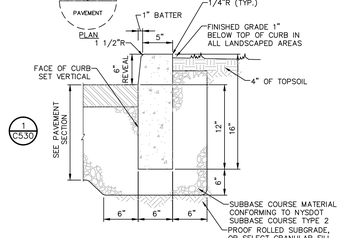

## 7 PAVEMENT TRANSITION DETAIL
SCALE: NOT TO SCALE




**NOTES**

1. CONCRETE CURB SHALL BE INSTALLED IN ACCORDANCE WITH NYSDOT STANDARD SPECIFICATION **SECTION 609.**
2. PRECAST CONCRETE CURB MAY BE SUBSTITUTED, WHEN ALTERNATE CONSTRUCTION DETAILS ARE SUBMITTED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER. ALTERNATE CURB SHALL BE INSTALLED IN ACCORDANCE WITH NYSDOT SPEC **SECTION 609.**

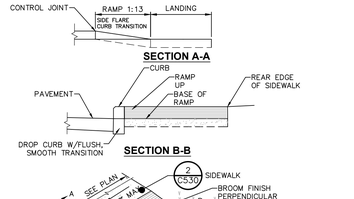
## 8 CAST IN PLACE CONCRETE CURB AT SIDEWALK
SCALE: NOT TO SCALE




**NOTES:**

1. CONCRETE CURB SHALL BE INSTALLED IN ACCORDANCE WITH NYSDOT STANDARD SPECIFICATION **SECTION 609.**
2. PRECAST CONCRETE CURB MAY BE SUBSTITUTED, WHEN ALTERNATE CONSTRUCTION DETAILS ARE SUBMITTED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER. ALTERNATE CURB SHALL BE INSTALLED IN ACCORDANCE WITH NYSDOT SPEC **SECTION 609.**

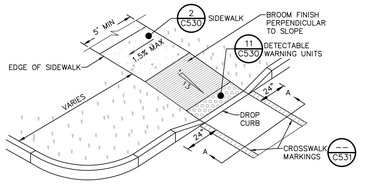
## 9 CAST IN PLACE CONCRETE CURB
SCALE: NOT TO SCALE




**NOTES:**

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2. SLOPE RAMP AND SIDE FLARES AS INDICATED IN THE PLANS OR AS ORDERED BY THE ENGINEER.
3. DETECTABLE WARNING UNITS SHALL BE PROVIDED ON ALL RAMPS IN ACCORDANCE W/ ADA REQUIREMENTS.

## 12 PEDESTRIAN RAMP SECTION - DROP CURB
SCALE: NOT TO SCALE




**NOTES:**

1. ALL WORK SHALL CONFORM WITH THE NYSDOT STANDARD SPECIFICATION FOR CONSTRUCTION AND MATERIALS DATED, **"CURRENT VERSION"**, AND ALL ADDENDA THERE TO; SPECIFICALLY **SECTION 608**– SIDEWALKS, DRIVEWAYS, AND BICYCLE PATHS.
2. SLOPE RAMP AND SIDE FLARES AS INDICATED IN THE PLANS OR AS ORDERED BY THE ENGINEER.
3. DETECTABLE WARNING UNITS SHALL BE PROVIDED ON ALL RAMPS IN ACCORDANCE W/ ADA REQUIREMENTS.

## 13 PEDESTRIAN RAMP SECTION - DROP CURB
SCALE: NOT TO SCALE

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| rev. | date | description |
|---|---|---|
| 1 | 06/29/21 | REVISED FOR PLANNING BOARD SUBMISSION |

HIGHVIEW II - MILTON STREET

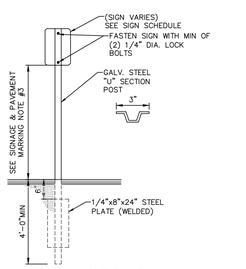
# SITE DETAILS

CITY OF POUGHKEEPSIE, DUTCHESS COUNTY, NEW YORK

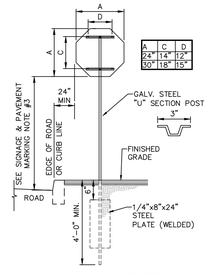
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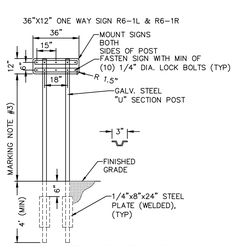
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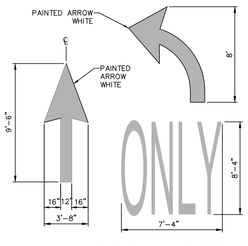

1 **SINGLE POST SIGN MOUNTING DETAIL**
SCALE: NOT TO SCALE



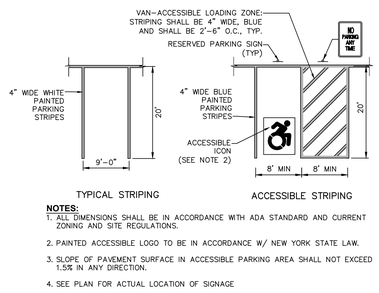

2 **SINGLE POST STOP SIGN MOUNTING DETAIL**
SCALE: NOT TO SCALE




3 **TWO POST ONE WAY SIGN MOUNTING DETAIL**
SCALE: NOT TO SCALE



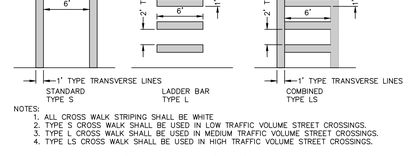

4 **PAVEMENT MARKING DETAIL DIRECTIONAL ARROW**
SCALE: NOT TO SCALE




TYPICAL STRIPING ACCESSIBLE STRIPING

**NOTES:**
1. ALL DIMENSIONS SHALL BE IN ACCORDANCE WITH ADA STANDARD AND CURRENT ZONING AND SITE REGULATIONS.
2. PAINTED ACCESSIBLE LOGO TO BE IN ACCORDANCE W/ NEW YORK STATE LAW.
3. SLOPE OF PAVEMENT SURFACE IN ACCESSIBLE PARKING AREA SHALL NOT EXCEED 1.5% IN ANY DIRECTION.
4. SEE PLAN FOR ACTUAL LOCATION OF SIGNAGE

5 **PAVEMENT MARKING DETAIL PARKING STRIPING**
SCALE: NOT TO SCALE




NOTES:
1. ALL CROSS WALK STRIPING SHALL BE WHITE
2. TYPE S CROSS WALK SHALL BE USED IN LOW TRAFFIC VOLUME STREET CROSSINGS.
3. TYPE L CROSS WALK SHALL BE USED IN MEDIUM TRAFFIC VOLUME STREET CROSSINGS.
4. TYPE LS CROSS WALK SHALL BE USED IN HIGH TRAFFIC VOLUME STREET CROSSINGS.

6 **PAVEMENT MARKING DETAIL CROSS WALK STRIPING**
SCALE: NOT TO SCALE

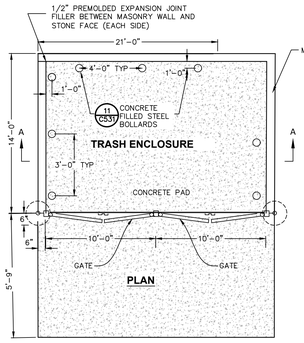
**STRIPING NOTES:**
1. ALL STRIPING SHALL CONFORM TO THE LATEST EDITION OF THE NYSDOT STANDARD SPECIFICATIONS, **SECTION 640** AND THE "NATIONAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" – **2009 EDITION** AND THE "NYS SUPPLEMENT."
2. STRIPE PAVEMENT AS INDICATED ON THE PLANS AND/OR IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REQUIREMENTS.
3. STRIPING WORK WILL BE REVIEWED AND ACCEPTED BY THE AUTHORITY HAVING JURISDICTION.
4. COLOR: DRIVE LANE DIVIDERS – WHITE OR AOBE
   NO PARKING ZONE WARNINGS – WHITE OR AOBE
   PARKING DIVIDERS – WHITE OR AOBE
   WALKING LINES – WHITE OR AOBE
   ACCESSIBLE PARKING LINES & SYMBOL – BLUE

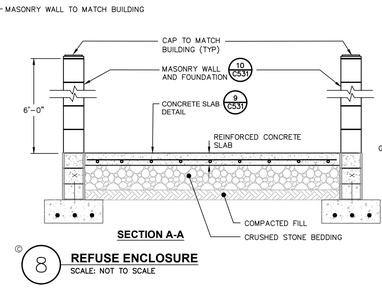
**SIGNAGE NOTES:**
1. ALL SIGNS SHALL CONFORM TO THE LATEST EDITION OF THE NYSDOT STANDARD SPECIFICATIONS, **SECTION 645** AND THE "NATIONAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" – **2009 EDITION** AND THE "NYS SUPPLEMENT."
2. SIGN MOUNTING HEIGHT SHALL BE A MINIMUM OF 7' MINIMUM MOUNTING HEIGHT MAY BE ADJUSTED ONLY IN ACCORDANCE WITH PROVISIONS OUTLINED IN THE "NATIONAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" – **2009 EDITION** AND THE "NYS SUPPLEMENT."
3. SIGN POST SHALL BE IN ACCORDANCE W/ NYSDOT STANDARD SPECS **SECTION 730.**

**MUTCD SIGN SCHEDULE**

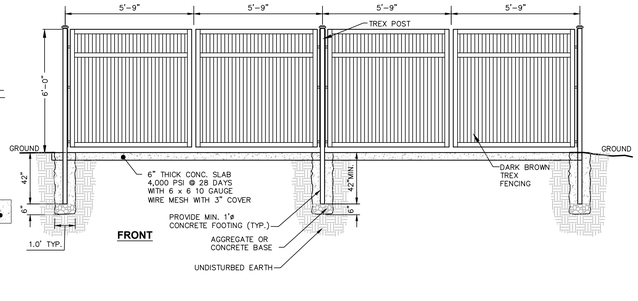
| SIGN NO. | SIGN FACE | MUTCD NUMBER | MIN SIZE | COLORS BCK GRND | COLORS LEGEND | MOUNTING |
|---|---|---|---|---|---|---|
| ① | STOP | R1-1 | 30"x30" | RED | WHITE | 2 C5.31 |
| ④ | ONE WAY | R6-1L | 36"x12" | BLACK | WHITE | 3 C5.31 |
| ⑤ | ONE WAY | R6-1R | 36"x12" | BLACK | WHITE | 3 C5.31 |
| ⑥ | | W11-2 | 24"x24" | YELLOW/ FYG | BLACK | 1 C5.31 |
| ⑦ | | W16-7P | 24"x12" | YELLOW/ FYG | BLACK | 1 C5.31 |
| ⑨ | DO NOT ENTER | R5-1 | 30"x30" | RED | WHITE | 1 C5.31 |
| ⑩ | RESERVED PARKING | NY R7-8D | 12"x18" | WHITE/ BLUE | GREEN/ WHITE | 1 C5.31 |
| ⑭ | VAN ACCESSIBLE | R7-8P | 12"x6" | WHITE | BLUE | 1 C5.31 |
| ⑫ | NO PARKING ANY TIME | R7-1 | 12"x18" | WHITE | RED | 1 C5.31 |

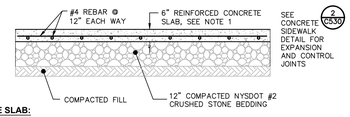
7 **MUTCD SIGN SCHEDULE**
SCALE: NOT TO SCALE



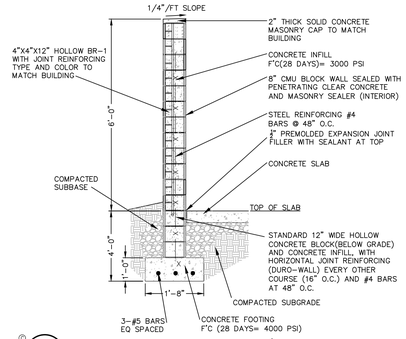

8 **REFUSE ENCLOSURE**
SCALE: NOT TO SCALE




**CONCRETE SLAB:**
1. MATERIAL AND METHODS OF CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION (NYSDOT) STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, DATED MAY 1, 2008, AND ALL ADDENDA THERETO.
2. CONCRETE SHALL HAVE A MINIMUM COMPRESSION STRENGTH OF 4500 PSI @ 28 DAY AND SHALL BE PLACED IN ACCORDANCE WITH ACI SPECIFICATIONS AND ITS LATEST REVISION.
3. REINFORCING STEEL FOR CONCRETE SHALL CONFORM WITH SECTION 556 – REINFORCING STEEL FOR CONCRETE STRUCTURES OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS AND AS SPECIFICALLY CALLED OUT IN THE DRAWINGS.
4. ALL EXPOSED SURFACES SHALL HAVE A BROOM TEXTURED FINISH & TOOLED EDGES. TOOL SHALL BE PROVIDE MAX 1-1/2" WIDE SMOOTH TROWEL FINISH AT JOINT.
5. EXPANSION JOINTS SHALL BE LOCATED A MAXIMUM OF 20' ON CENTER, OR AS INDICATED ON PLANS.
6. CONTROL JOINTS SHALL BE LOCATED A MAXIMUM OF 5' ON CENTER, OR AS INDICATED ON PLANS.
7. JOINTS SHALL NOT BE SAW CUT.
8. EXPOSED CONCRETE SURFACES SHALL BE TREATED WITH "SUREBOND"/"SAFEBOND" SB-7000 INTENSIFIER BRIGHT PROTECTOR AND SIDEWALK SEALER, OR EQUAL. RATE AND METHOD OF APPLICATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
9. SUBBASE MATERIAL SHALL CONFORM WITH SECTION 304 OF THE ABOVE REFERENCED NYSDOT STANDARD.
10. WHERE IT IS NECESSARY TO PLACE FILL FOR PURPOSE OF BRINGING THE SUBGRADE ELEVATION UP TO A SPECIFIED GRADE, THE FILL MATERIAL PLACED SHALL BE IN ACCORDANCE WITH SECTION 203-EXCAVATION AND EMBANKMENT OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS.

9 **CONCRETE SLAB**
SCALE: NOT TO SCALE




10 **MASONRY WALL DETAIL - FOR REFUSE ENCLOSURE**
SCALE: NOT TO SCALE




**NOTES**
1. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS WITH A MINIMUM CEMENT CONTENT OF 600 POUNDS PER CUBIC YARD FOR ALL FOOTINGS.
2. ALL CONCRETE SHALL HAVE A SLUMP OF NO GREATER THAN 3"-5" TO WITHIN A TOLERANCE OF 0"-1".
3. ALL EXPOSED CONCRETE SHALL BE 5% AIR-ENTRAINED (WITHIN 1% TOLERANCES) CONFORMING TO ASTM C260.
4. ALL FORMWORK AND PLACEMENT OF CONCRETE SHALL COMPLY WITH GOOD CONSTRUCTION PRACTICES AND BE IN ACCORDANCE WITH GOVERNING CODES, AND REGULATIONS.

11 **BOLLARD DETAIL - FOR REFUSE ENCLOSURE**
SCALE: NOT TO SCALE

0 1 2 3
ORIGINAL SCALE IN INCHES

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| rev. | date | description |
|---|---|---|
| 1 | 06/29/21 | REVISED FOR PLANNING BOARD SUBMISSION |

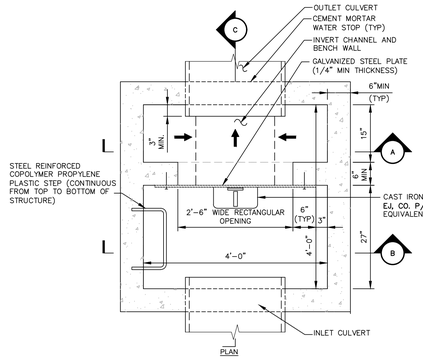
**HIGHVIEW II - MILTON STREET**

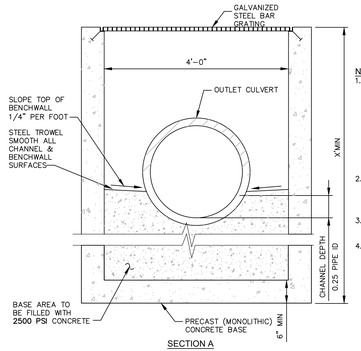
**SITE DETAILS**

CITY OF POUGHKEEPSIE, DUTCHESS COUNTY, NEW YORK

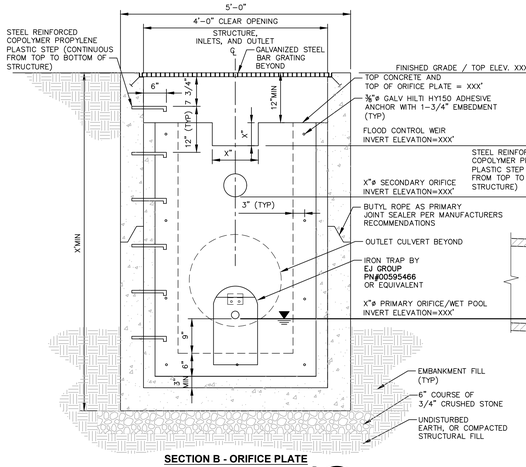
| designed | checked |
|---|---|
| | LB |
| date | scale |
| 05/25/21 | AS SHOWN |
| project no. | |
| 81947.00 | |
| sheet no. | |
| C531 | |

Drawing Name: Z:\projects\81900-81999\81947.00 - Highview II\DWG\01_C530-C531_81747-00_SITED.dwg
Xref's Attached: XTB_30X42_81947
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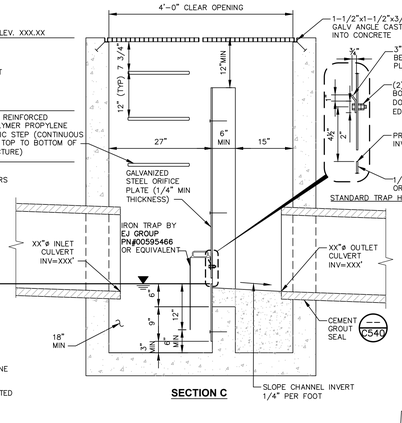


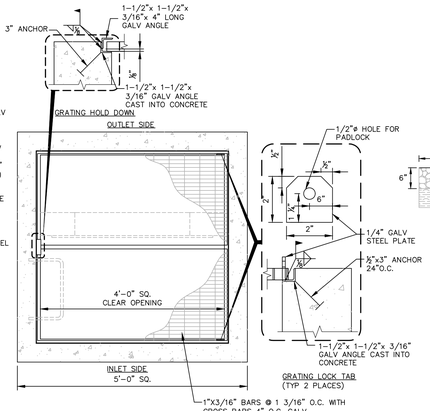

NOTES:
1. OUTLET CONTROL STRUCTURE SHALL BE PRECAST REINFORCED CONCRETE AS MANUFACTURED BY FORT MILLER CO. OR APPROVED EQUIVALENT. REINFORCEMENT FOR OUTLET CONTROL STRUCTURE SHALL BE DESIGNED BY A LICENSED NEW YORK STATE PROFESSIONAL ENGINEER PRIOR TO CONSTRUCTION. SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW. STRUCTURE SHALL BE DESIGNED FOR HS20-44 VEHICULAR LOADING PLUS 25% IMPACT.
2. OUTLET CONTROL STRUCTURES HAVING A DEPTH GRATER THAN 48" FROM FINISHED SURFACE TO THE TOP OF THE CONCRETE BASE SHALL BE PROVIDED WITH STEPS.
3. BACKFILL USING EMBANKMENT FILL, COMPACTED IN 8" LIFTS.
4. CONTRACTOR TO PROVIDE PADLOCKS & KEYS(KEYED ALIKE) FOR ALL STORM WATER MANAGEMENT BASIN OUTLET CONTROL STRUCTURES INSTALLED ON THIS PROJECT. CONTRACTOR MAY SUBMIT ALTERNATE CONFIGURATION FOR LOCKING GRATE.




SECTION B - ORIFICE PLATE

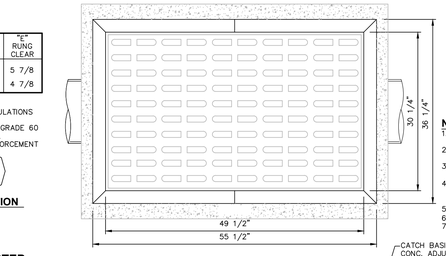



SECTION C

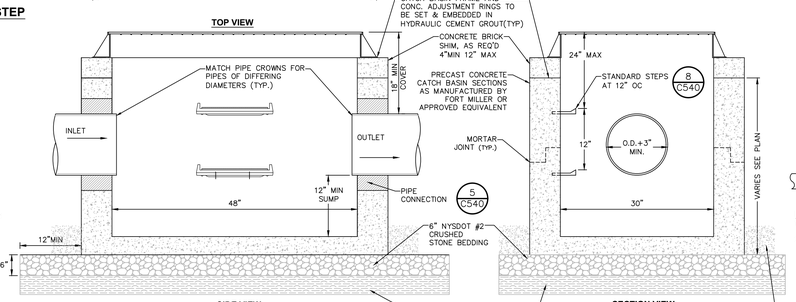



OUTLET STRUCTURE GRATE

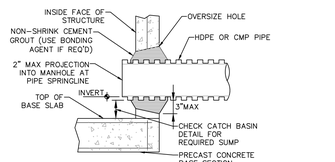


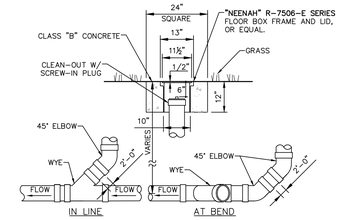

NOTES:
1. CATCH BASIN SHALL BE PRECAST CONCRETE. DESIGNED FOR HS20-44 VEHICULAR LOADING AND 25% IMPACT.
2. FRAME AND COVER SHALL BE DESIGNED FOR HS20-44 VEHICULAR LOADING & 25% IMPACT.
3. CONCRETE CATCH BASIN CASTING CLEAR OPENING DIMENSION MUST MATCH FRAME AND GRATE CLEAR OPENING DIMENSION.
4. CATCH BASINS HAVING A DEPTH GREATER THAN 48" FROM FINISHED SURFACE TO THE TOP OF THE CONCRETE BASE SHALL BE PROVIDED WITH STEPS.
5. BACKFILL USING TRENCH BACKFILL, COMPACTED IN 6" LIFTS.
6. SUMPS FOR CATCH BASINS SHALL BE 12".
7. EJ GROUP GRATE & FRAME PN#00758535A01 OR EQUIVALENT.




3 PRECAST CONCRETE RECTANGULAR CATCH BASIN DETAIL
SCALE: NOT TO SCALE

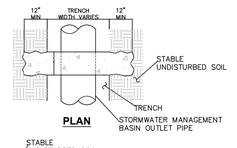



4 PIPE CONNECTION TO DRAINAGE STRUCTURE-CMP OR HDPE CEMENT GROUT SEAL JOINT
SCALE: NOT TO SCALE

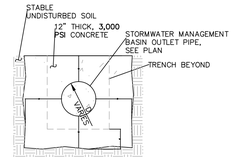



NOTES:
1. SEWER PIPE FITTINGS TO BE ASTM D-3033 OR D-3034 SDR-35.
2. TO BE USED FOR GRAVITY PORTION OF SANITARY SYSTEM AS WELL AS THE STORM ROOF DRAINAGE SYSTEM.

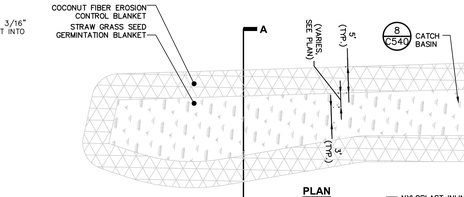
5 CLEAN OUT - NON TRAFFIC AREAS
SCALE: NOT TO SCALE




PLAN




10 ANTI-SEEP COLLAR
SCALE: 3/4" = 1'-0"



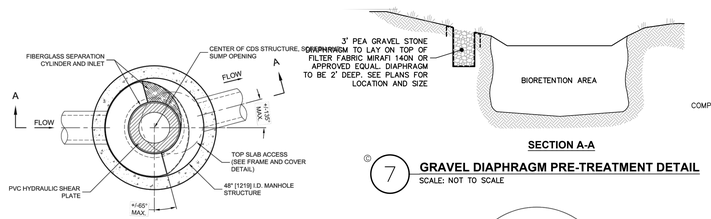

NOTES:
1. SOIL COMPOSITION (TO BE DEMONSTRATED BY CONTRACTOR):
   35-60% SAND*
   30-55% SILT
   10-25% CLAY
   SOIL WILL BE FREE OF STONES, STUMPS, ROOTS, OR OTHER WOODY MATERIAL OVER 1" IN DIAMETER. PLACE PLANTING SOIL IN 12" LIFTS, LOOSELY COMPACTED (USE LIGHT EQUIPMENT SUCH AS COMPACT LOADER OR DOZER/LOADER WITH MARSH TRACKS). DO NOT USE HEAVY EQUIPMENT WITHIN BIORETENTION AREAS. CONTRACTOR TO DEMONSTRATE: THE SOIL SHALL HAVE A PERMEABILITY OF AT LEAST 0.5 INCH PER HOUR.

   * SAND SUBSTITUTION SUCH AS DIABASE, GRAYSTONE #10, OR ROCK DUST ARE NOT ACCEPTABLE. NO CALCIUM CARBONATE OR DOLOMITIC SAND SUBSTITUTIONS ARE ACCEPTABLE.
2. RIVER STONE; SHALL CONFORM TO NYSDOT SECTION 620-29
3. CONTRACTOR SHALL DEMONSTRATE: SOIL FOR EACH BIORETENTION AREA SHALL MEET THE FOLLOWING CRITERIA:

| | |
|---|---|
| PH RANGE** | 5.2 – 7.0 |
| ORGANIC MATTER | 1.5–4% |
| MAGNESIUM | 35 LBS/ACRE |
| PHOSPHOROUS | 75 LBS/ACRE |
| POTASSIUM | 85 LBS/ACRE |
| SOLUBLE SALTS | NOT TO EXCEED 500 PPM |

   ** IF PH FALLS OUT OF ACCEPTABLE RANGE, PH OF SOIL MAY BE MODIFIED WITH LIME (HIGHER PH), OR WITH WITH IRON SULFATE PLUS SULFUR (LOWER PH).
4. BIORETENTION AREA TO BE SURROUNDED WITH SILT FENCE DURING CONSTRUCTION. ONCE UPSTREAM AREA IS STABILIZED, SILT FENCE TO BE REMOVED AS APPROVED BY PROJECT ENGINEER.

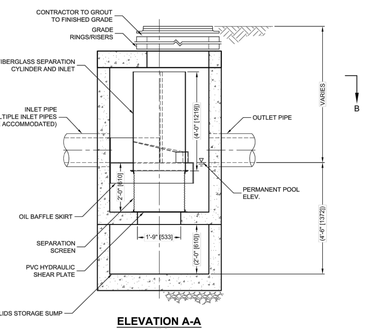
9 TYPICAL BIORETENTION AREA DETAIL
SCALE: NOT TO SCALE



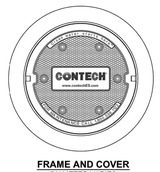

PLAN VIEW B-B
N.T.S.

SECTION A-A

7 GRAVEL DIAPHRAGM PRE-TREATMENT DETAIL
SCALE: NOT TO SCALE

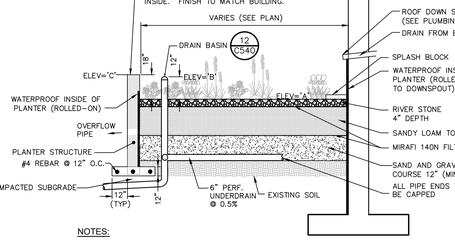



ELEVATION A-A
N.T.S.




FRAME AND COVER
(DIAMETER VARIES)
N.T.S.

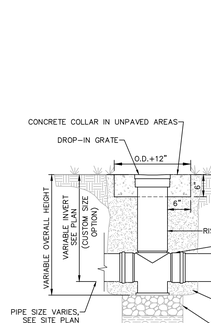
6 HYDRODYNAMIC SEPARATOR
SCALE: NOT TO SCALE




NOTES:
1. SANDY LOAM TOPSOIL SHALL HAVE AN INFILTRATION RATE OF 2 INCHES PER HOUR AND 5 INCHES AN HOUR FOR SAND AND GRAVEL COURSE.
2. SOIL COMPACTION MUST BE NO GREATER THAN 85% IN THE PLANTER.
3. THE GROWING MEDIA SHOULD BE UNIFORM MIXTURE OF 70% SAND (100% PASSING THE 1-INCH SIEVE AND 5% PASSING THE NO. 200 SIEVE) AND 30% TOPSOIL WITH AN AVERAGE OF 5% ORGANIC MATERIAL, SUCH AS COMPOST OR PEAT, FREE OF STONES, ROOTS AND WOODY DEBRIS AND ANIMAL WASTE.
4. DRAINAGE LAYER SHALL BE CLEAN SAND WITH 100% PASSING THE 1-INCH SIEVE AND 5% PASSING THE NO. 200 SIEVE.
5. SEE LANDSCAPE PLAN FOR PROPOSED PLANTING SCHEDULES.

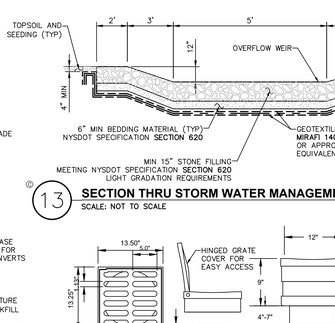
| PLANTER ELEVATION | | | |
|---|---|---|---|
| BUILDING PLANTER | ELEVATIONS | | |
| | "A" ELEV | "B" ELEV | "C" ELEV |
| PLANTER -1 | 195.0' | 196.0' | 196.5' |
| PLANTER -2 | 193.3' | 194.3' | 194.8' |

8 STORMWATER PLANTER CROSS SECTION
SCALE: NOT TO SCALE




NOTE:
1. BACKFILL USING TRENCH BACKFILL, COMPACTED IN 6" LIFTS.

12 NYOPLAST DRAIN BASIN
SCALE: NOT TO SCALE

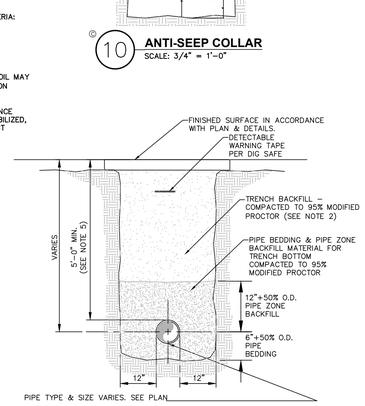



13 SECTION THRU STORM WATER MANAGEMENT BASIN OVER FLOW WEIR
SCALE: NOT TO SCALE




NOTE:
1. CASTINGS RATED STANDARD HS20-44 LOADING
2. MATERIAL SHALL CONFORM TO ASTM A48-CLASS 30B
3. PAINT: CASTINGS TO BE FURNISHED WITH A BLACK PAINT
4. IN-LINE DRAIN BY NYLOPLAST OR APPROVED EQUIVALENT
5. DRAIN AREA = 62.7 SQ. INCH

14 12" IN-LINE DRAIN & GRATE
SCALE: NOT TO SCALE




PIPE TYPE & SIZE VARIES. SEE PLAN

NOTES:
1. PIPE BEDDING & PIPE ZONE BACKFILL SHALL BE A NATURAL RUN-OF-BANK (R.O.B.) SAND OR A MIXTURE OF CRUSHED STONE AND GRAVEL, FREE OF SOFT, NONDURABLE PARTICLES, ORGANIC MATERIALS AND ELONGATED PARTICLES, AND SHALL BE WELL GRADED FROM FINE TO COARSE PARTICLES. BEDDING GRADATIONS SHALL BE APPROVED BY THE ENGINEER AND SHALL MEET THE FOLLOWING GRADATION REQUIREMENTS:

| SIEVE DESIGNATION | % PASSING |
|---|---|
| 3/4" | 100% |
| NO. 40 | 0-70% |
| NO. 200 | 0-10% |

2. TRENCH BACKFILL SHALL BE A NATURAL RUN-OF-BANK (R.O.B.) OR PROCESSED GRAVEL OR EXCAVATED MATERIAL FREE OF SOFT, NONDURABLE PARTICLES, ORGANIC MATERIALS AND ELONGATED PARTICLES, AND SHALL BE WELL GRADED FROM FINE TO COARSE PARTICLES. TRENCH BACKFILL GRADATIONS SHALL BE APPROVED BY THE ENGINEER AND SHALL MEET THE FOLLOWING GRADATION REQUIREMENTS:

| SIEVE DESIGNATION | % PASSING |
|---|---|
| 4" | 100% |
| NO. 40 | 0-70% |
| NO. 200 | 0-10% |

IN NON-TRAFFIC UNPAVED AREAS TRENCH BACKFILL CAN BE MATERIALS EXCAVATED FROM THE TRENCH AS APPROVED BY THE ENGINEER AND COMPACTED TO 90% MODIFIED PROCTOR.

3. INSTALL CONTINUOUS DETECTABLE MARKING TAPE DURING BACKFILLING OF TRENCH FOR UNDERGROUND PIPING. LOCATE TAPE 12" BELOW FINISHED GRADE, DIRECTLY OVER PIPING, EXCEPT 6" BELOW SUBGRADE UNDER PAVEMENTS & SLAB.
4. TRENCHING SHALL BE IMPLEMENTED IN ACCORDANCE WITH O.S.H.A. STANDARDS.
5. 5'-0" MIN COVER SHALL BE APPLIED TO WATER MAIN OR SANITARY SEWER FORCE MAINS ONLY.

15 PIPE TRENCH DETAIL (TYPICAL)
SCALE: NOT TO SCALE

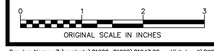



GENERAL NOTES
1. CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
2. DIMENSIONS MARKED WITH ( ) ARE REFERENCE DIMENSIONS. ACTUAL DIMENSIONS MAY VARY.
3. FOR FABRICATION DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHTS, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE. www.contechES.com
4. CDS WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING.
5. STRUCTURE SHALL MEET AASHTO HS20 AND CASTINGS SHALL MEET HS20 (AASHTO M 306) LOAD RATING, ASSUMING GROUNDWATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION.
6. PVC HYDRAULIC SHEAR PLATE IS PLACED ON SHELF AT BOTTOM OF SCREEN CYLINDER. REMOVE AND REPLACE AS NECESSARY DURING MAINTENANCE CLEANING.

INSTALLATION NOTES
A. ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
B. CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE CDS MANHOLE STRUCTURE (LIFTING CLUTCHES PROVIDED).
C. CONTRACTOR TO ADD JOINT SEALANT BETWEEN ALL STRUCTURE SECTIONS, AND ASSEMBLE STRUCTURE.
D. CONTRACTOR TO PROVIDE, INSTALL AND GROUT PIPES. MATCH PIPE INVERTS WITH ELEVATIONS SHOWN.
E. CONTRACTOR TO TAKE APPROPRIATE MEASURES TO ASSURE UNIT IS WATER TIGHT, HOLDING WATER TO FLOWLINE INVERT MINIMUM. IT IS SUGGESTED THAT ALL JOINTS BELOW PIPE INVERTS ARE GROUTED.

CONTECH ENGINEERED SOLUTIONS LLC
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800-338-1122 513-645-7000 513-645-7993 FAX

CDS2015-4-C
INLINE CDS
STANDARD DETAIL




ORIGINAL SCALE IN INCHES

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| rev. | date | description |
|---|---|---|
| 1 | 06/29/21 | REVISED FOR PLANNING BOARD SUBMISSION |

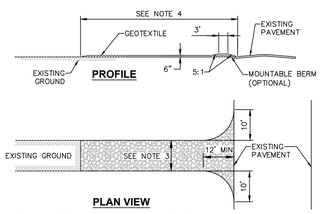
HIGHVIEW II - MILTON STREET

# STORM SEWER DETAILS

CITY OF POUGHKEEPSIE, DUTCHESS COUNTY, NEW YORK

| designed | checked |
|---|---|
| | LB |
| date | scale |
| 05/25/21 | AS SHOWN |
| project no. | |
| 81947.00 | |
| sheet no. | |
| C540 | |

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Date Printed: Oct 05, 2021, 4:15pm

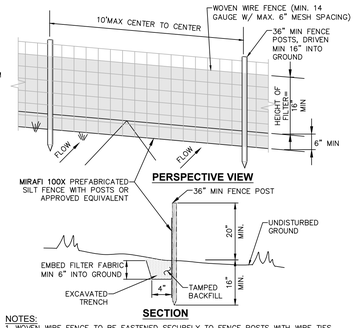



PLAN VIEW

CONSTRUCTION ENTRANCE SPECIFICATIONS:

1. STONE SIZE – USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT
2. THICKNESS – NOT LESS THAN SIX (6) INCHES.
3. WIDTH – TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY FOUR (24) FEET IF SINGLE ENTRANCE TO SITE.
4. LENGTH – NOT LESS THAN 50' (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30' MINIMUM LENGTH WOULD APPLY).
5. GEOTEXTILE – WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
6. SURFACE WATER – ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE – THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS–OF–WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS–OF–WAY MUST BE REMOVED IMMEDIATELY.
8. WASHING – WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS–OF–WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

① **STABILIZED CONSTRUCTION ACCESS DETAIL**
SCALE: NOT TO SCALE

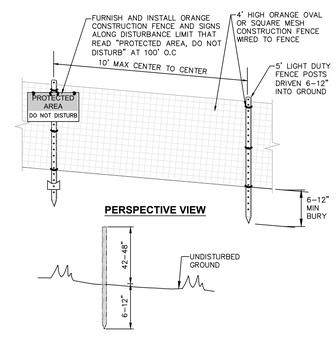



NOTES:

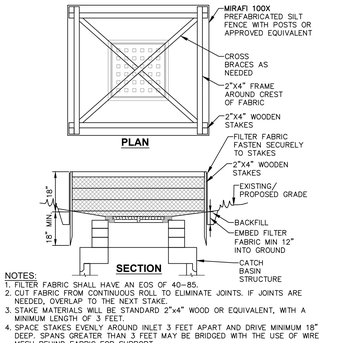
1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL "T" OR "U" TYPE OR HARDWOOD.
2. FILTER FABRIC TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 6" MAX MESH OPENING.
3. WHEN TWO SECTIONS OF FILTER FABRIC ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY 6" AND FOLDED.
4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIALS REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.
5. MAXIMUM DRAINAGE AREA FOR OVERLAND FLOW TO A SILT FENCE SHALL NOT EXCEED 1/4 ACRE PER 100 FEET OF FENCE.
6. SILT FENCE SHALL BE USED WHERE EROSION COULD OCCUR IN THE FORM OF SHEET EROSION.
7. SILT FENCE SHALL NOT BE USED WHEN A CONCENTRATION OF WATER IS FLOWING TO THE BARRIER.
8. MAXIMUM ALLOWABLE SLOPE LENGTHS CONTRIBUTING RUN–OFF TO A SILT FENCE ARE:

| SLOPE STEEPNESS | MAXIMUM SLOPE LENGTH(FT) |
|---|---|
| 2:1 | 25 |
| 3:1 | 50 |
| 4:1 | 75 |
| 5:1 OR FLATTER | 100 |

② **SILT FENCE INSTALLATION DETAIL**
SCALE: NOT TO SCALE



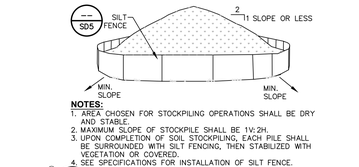

③ **TEMPORARY ORANGE CONSTRUCTION FENCE DETAIL**
SCALE: NOT TO SCALE

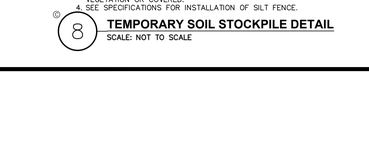



NOTES:

1. FILTER FABRIC SHALL HAVE AN EOS OF 40–85.
2. CUT FABRIC FROM CONTINUOUS ROLL TO ELIMINATE JOINTS. IF JOINTS ARE NEEDED, OVERLAP TO THE NEXT STAKE.
3. STAKE MATERIALS WILL BE STANDARD 2"x4" WOOD OR EQUIVALENT, WITH A MINIMUM LENGTH OF 3 FEET.
4. SPACE STAKES EVENLY AROUND INLET 3 FEET APART AND DRIVE MINIMUM 18" DEEP. SPANS GREATER THAN 3 FEET MAY BE BRIDGED WITH THE USE OF WIRE MESH BEHIND FABRIC FOR SUPPORT.
5. FABRIC SHALL BE EMBEDDED 1 FOOT MINIMUM BELOW GROUND AND BACKFILLED. IT SHALL BE SECURELY FASTENED TO THE STAKES AND FRAME.
6. A 2"x4" WOOD FRAME SHALL BE COMPLETED AROUND THE CREST OF THE FABRIC FOR OVERFLOW STABILITY.
7. MAXIMUM DRAINAGE AREA IS 1 ACRE.
8. INLET PROTECTION SHALL REMAIN IN–PLACE UNTIL SITE HAS BEEN STABILIZED.

④ **TEMPORARY OUT OF PAVEMENT FILTER FABRIC DROP INLET PROTECTION DETAIL**
SCALE: NOT TO SCALE




NOTES:

1. CONTAINMENT MUST BE STRUCTURALLY SOUND AND LEAK FREE AND CONTAIN ALL LIQUID WASTES.
2. CONTAINMENT DEVICES MUST BE OF SUFFICIENT QUANTITY OR VOLUME TO COMPLETELY CONTAIN THE LIQUID WASTES GENERATED.
3. WASHOUT MUST BE CLEANED OR NEW FACILITIES CONSTRUCTED AND READY TO USE ONCE WASHOUT IS 75% FULL. THIS INCLUDES REPLACEMENT OF THE 10 MIL POLYETHLENE SHEETING.
4. WASHOUT AREA(S) SHALL BE INSTALLED IN A LOCATION EASILY ACCESSIBLE BY CONCRETE TRUCKS.
5. ONE OR MORE AREAS MAY BE INSTALLED ON THE CONSTRUCTION SITE AND MAY BE RELOCATED AS CONSTRUCTION PROGRESSES.
6. AT LEAST WEEKLY, REMOVE ACCUMULATION OF SAND AND AGGREGATE AND DISPOSE OF PROPERLY.

⑤ **CONCRETE WASHOUT AREA DETAIL**
SCALE: NOT TO SCALE



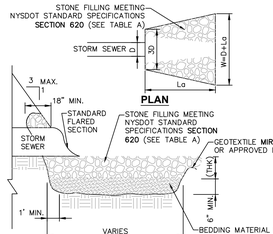

NOTES:

1. TOPSOIL, SEED, MULCH, AND FERTILIZE DISTURBED SOIL AREAS THAT WILL BE LEFT EXPOSED FOR 14 DAYS OR MORE.

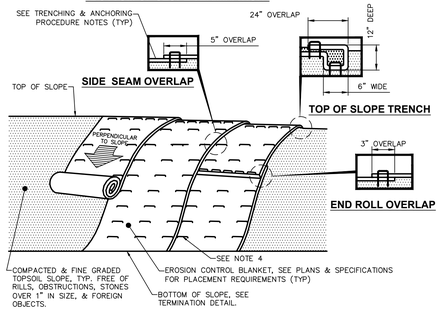
⑦ **TEMPORARY TOPSOIL, FERTILIZER, SEED & MULCH DETAIL**
SCALE: NOT TO SCALE

**STONE APRON SIZING REQUIREMENT - TABLE "A"**

| CULVERT DIA. (D) | CULVERT SLOPE, % | NYSDOT STANDARD STONE FILLING APRON MATERIAL | d50 | dMAX | MINIMUM APRON THICKNESS (IN) | MINIMUM OUTLET APRON LENGTH(FT) (Lo) |
|---|---|---|---|---|---|---|
| 12" | < 8 | LIGHT | 6" | 9" | 18 | 10 |
| | 8–10 | MEDIUM | 9"–12" | 14"–18" | 24 | 10 |
| 18" | < 4 | LIGHT | 6" | 9" | 18 | 10 |
| | 4–6 | MEDIUM | 9"–12" | 14"–18" | 24 | 12 |
| | 6–8 | HEAVY | 15"–18" | 22"–27" | 36 | 12 |
| | 8–10 | HEAVY | 15"–18" | 22"–27" | 36 | 18 |
| 24" | < 3 | LIGHT | 6" | 9" | 18 | 12 |
| | 3–4 | MEDIUM | 9"–12" | 14"–18" | 24 | 16 |
| | 4–8 | HEAVY | 15"–18" | 22"–27" | 36 | 24 |
| 30" | < 1 | LIGHT | 6" | 9" | 18 | 15 |
| | 1–2 | MEDIUM | 9"–12" | 14"–18" | 24 | 20 |
| | 2–4 | HEAVY | 15"–18" | 22"–27" | 36 | 25 |
| | 4–6 | HEAVY | 15"–18" | 22"–27" | 36 | 30 |
| 36" | < 2 | MEDIUM | 9"–12" | 14"–18" | 24 | 24 |
| | 2–3 | HEAVY | 15"–18" | 22"–27" | 36 | 30 |
| | 3–5 | HEAVY | 15"–18" | 22"–27" | 36 | 36 |
| 42" | < 1 | MEDIUM | 9"–12" | 14"–18" | 24 | 28 |
| | 1–2 | HEAVY | 15"–18" | 22"–27" | 36 | 35 |
| | 2–3 | HEAVY | 15"–18" | 22"–27" | 36 | 42 |
| 48" | < 1 | MEDIUM | 9"–12" | 14"–18" | 24 | 32 |
| | 1–2 | HEAVY | 15"–18" | 22"–27" | 36 | 40 |
| | 2–3 | HEAVY | 15"–18" | 22"–27" | 36 | 48 |




⑥ **END SECTION WITH STONE LINED APRON DETAIL**
SCALE: NOT TO SCALE




NOTES:

1. PREPARE THE TOPSOIL (SEEDBED) FIRST BY RAKING, SHAPING, FINE GRADING, COMPACTING, SEEDING & FERTILIZING THE SLOPES.
2. USE THE TRENCHING & ANCHORING PROCEDURES DETAILED HEREIN TO SECURE ANY EXPOSED MATERIAL ENDS. SECURE ALL PRODUCT OVERLAPS. OVERLAP IN THE DIRECTION OF WATER FLOW, PERPENDICULAR TO THE SLOPE.
3. KEEP EROSION CONTROL BLANKET IN SOLID CONTACT WITH THE TOPSOIL.
4. USE THE REQUIRED NUMBER OF STAPLES/STAKES TO SECURELY FASTEN THE EROSION CONTROL BLANKET TO THE SLOPE. IN LOOSE SOIL CONDITIONS, THE USE OF STAPLES/STAKES LENGTHS GREATER THAN 6" MAYBE NECESSARY FOR PROPER SECURING. STAPLE PATTERNS & OVERLAPS ARE DEPENDENT ON SITE CONDITIONS & MANUFACTURER'S REQUIREMENTS. CONTRACTOR SHALL CONSULT WITH MANUFACTURER FOR ACTUAL SITE SPECIFIC REQUIREMENTS.

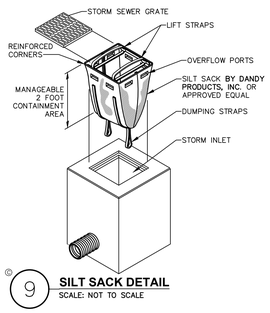
TRENCHING & ANCHORING PROCEDURE NOTES:

SIDE SEAM OVERLAP:- THE EDGES OF PARALLEL BLANKETS SHALL BE STAPLED WITH A 5" OVERLAP.

TOP OF SLOPE TRENCH:- BEGIN AT THE TOP OF SLOPE BY ANCHORING THE EROSION CONTROL BLANKET IN A 6"D x 6"W TRENCH WITH A 12" OVERLAP EXTENDED BEYOND THE UP–SLOPE PORTION OF THE TRENCH. ANCHOR WITH A ROW OF STAPLES/STAKES 12" O.C. IN THE BOTTOM OF THE TRENCH. BACKFILL & COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO THE COMPACTED SOIL & FOLD THE REMAINING 12" PORTION OF THE EROSION CONTROL BLANKET BACK OVER THE SEED & COMPACTED SOIL. SECURE THE EROSION CONTROL BLANKET OVER THE COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED 12" O.C. ACROSS THE ENTIRE WIDTH.

END ROLL OVERLAP:- CONSECUTIVE BLANKETS SPLICED DOWN THE SLOPE SHALL BE PLACED END OVER END (SHINGLE–STYLE) WITH A 3" OVERLAP. STAPLE THRU OVERLAPPED AREAS, 12" APART ACROSS THE ENTIRE WIDTH.

⑩ **EROSION CONTROL BLANKET INSTALLATION DETAIL**
SCALE: NTS




⑨ **SILT SACK DETAIL**
SCALE: NOT TO SCALE




NOTES:

1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 1V:2H.
3. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH SILT FENCING, THEN STABILIZED WITH VEGETATION OR COVERED.
4. SEE SPECIFICATIONS FOR INSTALLATION OF SILT FENCE.

⑧ **TEMPORARY SOIL STOCKPILE DETAIL**
SCALE: NOT TO SCALE

## SPDES GENERAL PERMIT GP-0-20-001 COMPLIANCE NOTES:

THIS PLAN SET AND THE ACCOMPANYING SWPPP ENTITLED **[NAME]** HAVE BEEN SUBMITTED AS A SET. THESE ENGINEERING DRAWINGS ARE CONSIDERED AN INTEGRAL PART OF THE SWPPP. THEREFORE THE PLAN SET IS NOT CONSIDERED COMPLETE WITHOUT THE SWPPP.

**1. THE TOTAL AREA OF DISTURBANCE PLANNED FOR THIS PROJECT IS LESS THAN 1 ACRE THEREFORE A SPDES GENERAL PERMIT (GP–0–20–001) IS NOT REQUIRED.**

1. THIS PROJECT HAS NOT RECEIVED WRITTEN APPROVAL FROM _____ **(INSERT NYSDEC OR MUNICIPALITY (IF MS4))** ALLOWING THE DISTURBANCE OF MORE THAN FIVE (5) ACRES OF LAND AT ANY ONE TIME. THEREFORE, IF THE CONTRACTOR'S CONSTRUCTION SEQUENCE REQUIRES THE DISTURBANCE OF MORE THAN FIVE ACRES AT ANY ONE TIME, WRITTEN APPROVAL MUST BE OBTAINED FROM NYSDEC PRIOR TO EXCEEDING THE 5 ACRE LIMIT.

1. THIS PROJECT HAS REQUESTED WRITTEN APPROVAL FROM _____ **(INSERT NYSDEC OR MUNICIPALITY (IF MS4))** ALLOWING THE DISTURBANCE OF MORE THAN FIVE (5) ACRES OF LAND AT ANY ONE TIME. CONTRACTOR SHALL NOT DISTURB MORE THAN FIVE (5) ACRES UNTIL SUCH TIME THAT THE WAIVER IS GRANTED AND WRITTEN AUTHORIZATION IS RECEIVED FROM NYSDEC.

## CONSTRUCTION SEQUENCING NOTES:

1. PRIOR TO COMMENCING ANY CLEARING, GRUBBING, EARTHWORK ACTIVITIES, ETC.AT THE SITE, THE CONTRACTOR SHALL FLAG THE WORK LIMITS AND SHALL INSTALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES (I.E. SILT FENCES, TREE PROTECTION/BARRIER FENCES, STABILIZED CONSTRUCTION ENTRANCES, STORM DRAIN SEDIMENT FILTERS, DRAINAGE DITCH SEDIMENT FILTERS, ETC.) INDICATED ON THE PROJECT DRAWINGS. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES MUST BE CONSTRUCTED, STABILIZED, AND FUNCTIONAL BEFORE SITE DISTURBANCE BEGINS WITHIN THEIR TRIBUTARY AREAS.
2. THE CONTRACTOR SHALL CLEAR AND GRUB THE AREA OF THE STORMWATER MANAGEMENT FACILITIES. THIS AREA SHALL NOT EXCEED FIVE (5) ACRES IN EXTENT WITHOUT TEMPORARY STABILIZATION.
3. THE STORMWATER DETENTION BASIN SHALL BE UTILIZED AS A TEMPORARY SEDIMENT TRAP DURING CONSTRUCTION. THE CONTRACTOR SHALL INSTALL THE OUTLET CONTROL STRUCTURES AND THE EARTHEN BERM. THE BASIN SHALL BE GRADED TO THE TOP OF THE AQUATIC BENCH AS INDICATED IN THE TYPICAL STORMWATER MANAGEMENT BASIN SECTION PRESENTED IN THE PROJECT DRAWINGS.
4. PRIOR TO COMMENCING CLEARING, GRUBBING AND/OR EARTHWORK ACTIVITIES IN ANY OTHER AREA OF THE SITE, THE CONTRACTOR SHALL INSTALL INLET AND OUTLET PROTECTION MEASURES (RIPRAP OVERFLOW WEIR(S), CULVERT INLET/OUTLET PROTECTION, ETC.) AND SHALL STABILIZE THE AREAS DISTURBED DURING THE CONSTRUCTION OF THE SEDIMENT BASIN.
5. THE CONTRACTOR SHALL INSTALL TEMPORARY DIVERSION MEASURES WITH ASSOCIATED STABILIZATION MEASURES (I.E., VEGETATIVE COVER, DRAINAGE DITCH SEDIMENT FILTERS, STORM DRAIN SEDIMENT FILTERS, ETC.)TO ASSURE THAT STORMWATER RUNOFF IS CONVEYED TO THE TEMPORARY SEDIMENT BASIN.
6. TEMPORARY DIVERSION MEASURES SHALL BE LOCATED IN A MANNER THAT WILL ASSURE THAT THE AREA TRIBUTARY TO EACH DIVERSION DOES NOT EXCEED FIVE (5) ACRES. THESE TEMPORARY DIVERSION MEASURES SHALL BE INSPECTED DAILY AND REPAIRED/STABILIZED AS NECESSARY TO MINIMIZE EROSION.
7. THE CONTRACTOR SHALL COMMENCE SITE CONSTRUCTION ACTIVITIES INCLUDING CLEARING & GRADING OF THE PROPOSED AREA OF DISTURBANCE AS REQUIRED.
8. INSTALL PROTECTIVE MEASURES AT THE LOCATIONS OF ALL GRATE INLETS, CURB INLETS, AND AT THE ENDS OF ALL EXPOSED STORM SEWER PIPES.
9. CONSTRUCT ALL UTILITIES, CURB AND GUTTER, GUTTER INLETS, AREA INLETS, AND STORM SEWER MANHOLES, AS SHOWN ON THE PLANS. INLET PROTECTION MAY BE REMOVED TEMPORARILY FOR THIS CONSTRUCTION. PLACE REQUIRED RIP–RAP AT LOCATIONS SHOWN ON THE PLANS.
10. FINALIZE PAVEMENT SUB–GRADE PREPARATION.
11. REMOVE PROTECTIVE MEASURES AROUND INLETS AND MANHOLES NO MORE THAN 24 HOURS PRIOR TO PLACING STABILIZED BASE COURSE.
12. INSTALL SUB–BASE MATERIAL AS REQUIRED FOR PAVEMENT.
13. PRIOR TO FINALIZING CONSTRUCTION OF THE STORMWATER MANAGEMENT FACILITY, ALL CATCH BASINS AND DRAINAGE LINES SHALL BE CLEANED OF ALL SILT AND SEDIMENT.
14. UPON COMPLETION OF SITE CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL FINALIZE CONSTRUCTION OF THE STORMWATER MANAGEMENT FACILITY. CONTRACTOR SHALL FINISH GRADE THE FORBAY(S), AQUATIC BENCHES, AND WET POOL(S) AND STABILIZE AS INDICATED IN THE PROJECT DRAWINGS.
15. THE CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES AFTER IMMEDIATELY ESTABLISH PERMANENT VEGETATION ON THE AREAS DISTURBED DURING THEIR REMOVAL.

## EROSION AND SEDIMENT CONTROL MEASURES:

1. DAMAGE TO SURFACE WATERS RESULTING FROM EROSION AND SEDIMENTATION SHALL BE MINIMIZED BY STABILIZING DISTURBED AREAS AND BY REMOVING SEDIMENT FROM CONSTRUCTION SITE DISCHARGES.
2. AS MUCH AS IS PRACTICAL, EXISTING VEGETATION SHALL BE PRESERVED. FOLLOWING THE COMPLETION OF CONSTRUCTION ACTIVITIES IN ANY PORTION OF THE SITE, PERMANENT VEGETATION SHALL BE ESTABLISHED ON ALL EXPOSED SOILS.
3. SITE PREPARATION ACTIVITIES SHALL BE PLANNED TO MINIMIZE THE SCOPE AND DURATION OF SOIL DISRUPTION.
4. PERMANENT TRAFFIC CORRIDORS SHALL BE ESTABLISHED AND "ROUTES OF CONVENIENCE" SHALL BE AVOIDED. STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT ALL POINTS OF ENTRY ONTO THE PROJECT SITE.

## MAINTENANCE OF EROSION AND SEDIMENT CONTROL MEASURES:

PERMANENT AND TEMPORARY VEGETATION:
INSPECT ALL AREAS THAT HAVE RECEIVED VEGETATION EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. ALL AREAS DAMAGED BY EROSION OR WHERE SEED HAS NOT ESTABLISHED SHALL BE REPAIRED AND RESTABILIZED IMMEDIATELY.

STABILIZED CONSTRUCTION ENTRANCE:
INSPECT THE ENTRANCE PAD EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. CHECK FOR MUD, SEDIMENT BUILD–UP AND PAD INTEGRITY. MAKE DAILY INSPECTIONS DURING WET WEATHER. RESHAPE PAD AS NEEDED FOR DRAINAGE AND RUNOFF CONTROL. WASH AND REPLACE STONE AS NEEDED. THE STONE IN THE ENTRANCE SHOULD BE WASHED OR REPLACED WHENEVER THE ENTRANCE FAILS TO REDUCE MUD BEING CARRIED OFF–SITE BY VEHICLES. IMMEDIATELY REMOVE MUD AND SEDIMENT TRACKED OR WASHED ONTO PUBLIC ROADS BY BRUSHING OR SWEEPING. REMOVE TEMPORARY CONSTRUCTION ENTRANCE AS SOON AS THEY ARE NO LONGER NEEDED TO PROVIDE ACCESS TO THE SITE.

SILT FENCE:
INSPECT FOR DAMAGE EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. MAKE ALL REPAIRS IMMEDIATELY. REMOVE SEDIMENT FROM THE UP–SLOPE FACE OF THE FENCE BEFORE IT ACCUMULATES TO A HEIGHT EQUAL TO 1/3 THE HEIGHT OF THE FENCE. IF FENCE FABRIC TEARS, BEGINS TO DECOMPOSE, OR IN ANY WAY BECOMES INEFFECTIVE, REPLACE THE AFFECTED SECTION OF FENCE IMMEDIATELY.

SOIL STOCKPILE:
INSPECT SEDIMENT CONTROL BARRIERS (SILT FENCE OR HAY BALE) AND VEGETATION FOR DAMAGE EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. MAKE ALL REPAIRS IMMEDIATELY. REMOVE SEDIMENT FROM THE UP–SLOPE FACE OF THE SEDIMENT CONTROL BARRIER BEFORE IT ACCUMULATES TO A HEIGHT EQUAL TO 1/3 THE HEIGHT OF THE SEDIMENT CONTROL BARRIER. IF SEDIMENT CONTROL BARRIER TEARS, BEGINS TO DECOMPOSE, OR IN ANYWAY BECOMES INEFFECTIVE, REPLACE THE AFFECTED SECTION OF SEDIMENT CONTROL BARRIER IMMEDIATELY. REVEGETATE DISTURBED AREA TO STABILIZE SOIL STOCK PILE. REMOVE THE SEDIMENT CONTROL BARRIER WHEN THE SOIL STOCKPILE HAS BEEN REMOVED.

DUST CONTROL:
SCHEDULE CONSTRUCTION OPERATIONS TO MINIMIZE THE AMOUNT OF DISTURBED AREAS AT ANY ONE TIME DURING THE COURSE OF WORK. APPLY TEMPORARY SOIL STABILIZATION PRACTICES SUCH AS MULCHING, SEEDING, AND SPRAYING (WATER). STRUCTURAL MEASURES (MULCH, SEEDING) SHALL BE INSTALLED IN DISTURBED AREAS BEFORE SIGNIFICANT BLOWING PROBLEMS DEVELOP. WATER SHALL BE SPRAYED AS NEEDED. REPEAT AS NEEDED, BUT AVOID EXCESSIVE SPRAYING, WHICH COULD CREATE RUNOFF AND EROSION PROBLEMS.

CHECK DAM:
INSPECT CHECK DAMS EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. IF SIGNIFICANT EROSION HAS OCCURRED BETWEEN STRUCTURES A LINER OF STONE OR OTHER SUITABLE MATERIAL SHOULD BE INSTALLED IN THAT PORTION OF THE CHANNEL. REMOVE SEDIMENT ACCUMULATED BEHIND THE DAM AS NEEDED TO ALLOW CHANNEL TO DRAIN THROUGH THE STONE CHECK DAM AND PREVENT LARGE FLOWS FROM CARRYING SEDIMENT OVER THE DAM. REPLACE STONES AS NEEDED TO MAINTAIN THE DESIGN CROSS SECTION OF THE STRUCTURES. REMOVE CHECK DAMS AS PER APPROVAL OF ENGINEER.

EROSION CONTROL BLANKET:
INSPECT THE BLANKET EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. REPLACE WIRE STAPLES AS REQUIRED. REPAIR AND RESEED WHERE CRACKS AND DAMAGED VEGETATION IS EVIDENT. WHEN DAMAGED BEYOND REPAIR OR NO LONGER FUNCTIONING, THE BLANKET SHALL BE REPLACED.

EARTH DIKE:
INSPECT ALL EARTH DIKES EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. ALL AREAS DAMAGED BY EROSION SHALL BE REPAIRED IMMEDIATELY.

TEMPORARY SWALE:
INSPECT ALL EARTH DIKES EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. ALL AREAS DAMAGED BY EROSION SHALL BE REPAIRED IMMEDIATELY.

SEDIMENT TRAP:
INSPECT ALL SEDIMENT TRAPS EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. REPAIRS SHALL BE MADE AS NEEDED. SEDIMENT SHALL BE REMOVED AND THE TRAP RESTORED TO THE ORIGINAL DIMENSIONS WHEN SEDIMENT HAS ACCUMULATED TO 1/2 OF THE DESIGN DEPTH OF THE TRAP.

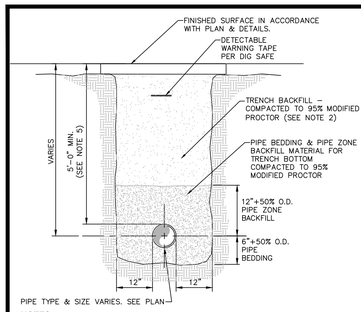
STORM DRAIN INLET PROTECTION:
INSPECT ALL STORM DRAIN INLET PROTECTION DEVICES EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. MAKE REPAIRS AS NEEDED, REMOVE SEDIMENT FROM THE POOL AREA AS NECESSARY.

DEWATERING PITS:
(IF REQUIRED) – INSPECT DAILY DURING OPERATION FOR CLOGGING OR OVERFLOW. CLEAR INLET AND DISCHARGE PIPES OF OBSTRUCTIONS. IF A FILTER MATERIAL BECOMES CLOGGED WITH SEDIMENT, PIT SHALL BE DISMANTLED AND CONSTRUCT NEW PITS AS NEEDED.

SNOW AND ICE CONTROL:
PARKING LOTS, ROADWAYS, AND DRIVEWAYS ADJACENT TO WATER QUALITY FILTERS SHALL NOT BE SANDED DURING SNOW EVENTS DUE TO HIGH POTENTIAL FOR CLOGGING FROM SAND IN SURFACE WATER RUNOFF. USE SALT ONLY FOR SNOW AND ICE CONTROL.

## GENERAL EROSION AND SEDIMENT CONTROL NOTES:

1. ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE IN STRICT COMPLIANCE WITH "NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL", NOVEMBER 2016.
2. EXCESS SOIL TO BE STOCKPILED WITHIN THE LIMITS OF SITE DISTURBANCE IF NOT USED IMMEDIATELY FOR GRADING PURPOSES. INSTALL SILT FENCE AROUND SOIL STOCKPILES.
3. APPLY SURFACE STABILIZATION AND RESTORATION MEASURES. AREAS UNDERGOING CLEARING OR GRADING AND ANY AREAS DISTURBED BY CONSTRUCTION ACTIVITIES WHERE WORK IS DELAYED, SUSPENDED, OR INCOMPLETE AND WILL NOT BE REDISTURBED FOR 21 DAYS OR MORE SHALL BE STABILIZED WITH TEMPORARY VEGETATIVE COVER WITHIN 14 DAYS AFTER CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS CEASED. (SEE SPECIFICATIONS FOR TEMPORARY VEGETATIVE COVER). AREAS UNDERGOING CLEARING OR GRADING AND ANY AREAS DISTURBED BY CONSTRUCTION ACTIVITIES WHERE WORK IS COMPLETE AND WILL NOT BE REDISTURBED SHALL BE STABILIZED AND RESTORED WITH PERMANENT VEGETATIVE COVER AS SOON AS SITE AREAS ARE AVAILABLE AND WITHIN 14 DAYS AFTER WORK IS COMPLETE. (SEE SPECIFICATIONS FOR PERMANENT VEGETATIVE COVER). SEEDING FOR PERMANENT VEGETATIVE COVER SHALL BE WITHIN THE SEASONAL LIMITATIONS. PROVIDE STABILIZATION WITH TEMPORARY VEGETATIVE COVER WITHIN 14 DAYS AFTER WORK IS COMPLETE, FOR SEEDING OUTSIDE PERMITTED SEEDING PERIODS.
4. SEEDED AREAS TO BE MULCHED WITH STRAW OR HAY MULCH IN ACCORDANCE WITH VEGETATIVE COVER SPECIFICATIONS.
5. THE CONTRACTOR IS RESPONSIBLE FOR THE INS




PIPE TYPE & SIZE VARIES. SEE PLAN

**NOTES:**

1. PIPE BEDDING & PIPE ZONE BACKFILL SHALL BE A NATURAL RUN–OF–BANK (R.O.B.) SAND OR A MIXTURE OF CRUSHED STONE AND GRAVEL, FREE OF SOFT, NONDURABLE PARTICLES, ORGANIC MATERIALS AND ELONGATED PARTICLES, AND SHALL BE WELL GRADED FROM FINE TO COARSE PARTICLES. BEDDING GRADATIONS SHALL BE APPROVED BY THE ENGINEER AND SHALL MEET THE FOLLOWING GRADATION REQUIREMENTS:

| SIEVE DESIGNATION | % PASSING |
|---|---|
| 3/4" | 100% |
| NO. 40 | 0–70% |
| NO. 200 | 0–10% |

2. TRENCH BACKFILL SHALL BE A NATURAL RUN–OF–BANK (R.O.B.) OR PROCESSED GRAVEL, OR EXCAVATED MATERIAL FREE OF SOFT, NONDURABLE PARTICLES, ORGANIC MATERIALS AND ELONGATED PARTICLES, AND SHALL BE WELL GRADED FROM FINE TO COARSE PARTICLES. TRENCH BACKFILL GRADATIONS SHALL BE APPROVED BY THE ENGINEER AND SHALL MEET THE FOLLOWING GRADATION REQUIREMENTS:

| SIEVE DESIGNATION | % PASSING |
|---|---|
| 4" | 100% |
| NO. 40 | 0–70% |
| NO. 200 | 0–10% |

IN NON–TRAFFIC UNPAVED AREAS TRENCH BACKFILL CAN BE MATERIALS EXCAVATED FROM THE TRENCH AS APPROVED BY THE ENGINEER AND COMPACTED TO 90% MODIFIED PROCTOR.

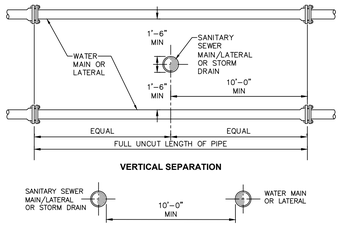
3. INSTALL CONTINUOUS DETECTABLE MARKING TAPE DURING BACKFILLING OF TRENCH FOR UNDERGROUND PIPING. LOCATE TAPE 12" BELOW FINISHED GRADE, DIRECTLY OVER PIPING, EXCEPT 6" BELOW SUBGRADE UNDER PAVEMENTS & SLAB.

4. TRENCHING SHALL BE IMPLEMENTED IN ACCORDANCE WITH O.S.H.A. STANDARDS.

5. 5'–0" MIN COVER SHALL BE APPLIED TO WATER MAIN OR SANITARY SEWER FORCE MAINS ONLY.

## 1 PIPE TRENCH DETAIL (TYPICAL)

SCALE: NOT TO SCALE

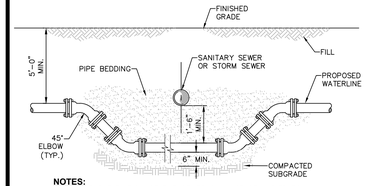



**NOTES:**

1. NO DEVIATION IN THE SEPARATION REQUIREMENTS WILL BE PERMITTED WITHOUT THE EXPRESS APPROVAL OF THE NYS HEALTH DEPARTMENT. OFFSETTING OF WATERLINE SHALL BE REQUIRED WHERE SEPARATION DISTANCES CANNOT BE MAINTAINED.
2. WHEN IT IS IMPOSSIBLE TO OBTAIN VERTICAL SEPARATION AS INDICATED ABOVE, BOTH THE WATER MAIN AND THE SEWER MAIN SHALL BE CONSTRUCTED OF MECHANICAL JOINT, DUCTILE IRON PIPE OR PVC WATER WORKS GRADE PRESSURE PIPE FOR 10' EACH SIDE OF CROSSING AND SHALL BE PRESSURE TESTED TO **150psi** TO ASSURE WATER TIGHTNESS.

## 3 SANITARY/STORM SEWER AND WATERMAIN SEPARATION DETAIL

SCALE: NOT TO SCALE

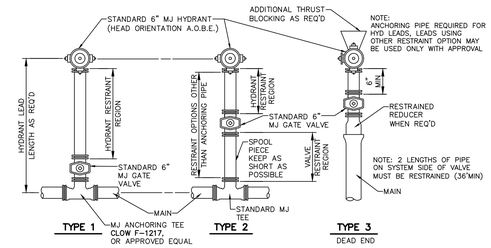


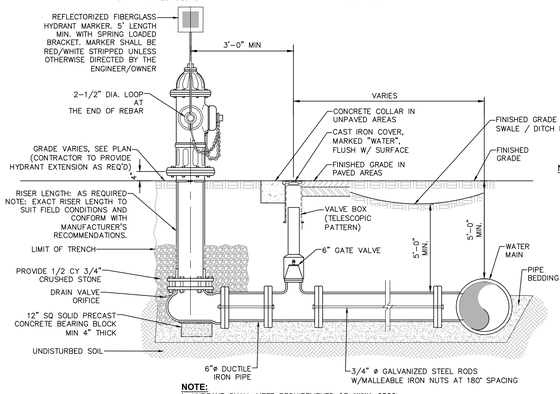

**NOTES:**

1. WHEN THE ELEVATION OF THE SEWER CAN NOT BE VARIED TO MEET THE ABOVE REQUIREMENTS, THE WATER MAIN SHALL BE RELOCATED TO PROVIDE THIS REQUIRED SEPARATION.
2. WHEN IT IS IMPOSSIBLE TO OBTAIN VERTICAL SEPARATION AS INDICATED ABOVE, BOTH THE WATER MAIN AND THE SEWER MAIN SHALL BE CONSTRUCTED OF MECHANICAL JOINT DUCTILE IRON PIPE OR PVC WATER WORKS GRADE PRESSURE PIPE FOR 10' EACH SIDE OF CROSSING AND SHALL BE PRESSURE TESTED TO **150psi** TO ASSURE WATER TIGHTNESS.

## 4 WATERLINE OFFSET DETAIL

SCALE: NOT TO SCALE




**NOTES:**

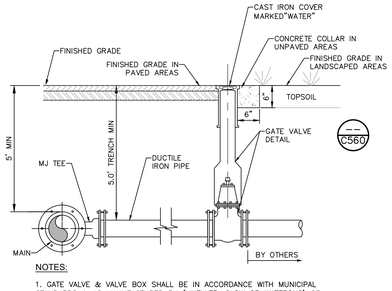
1. HYDRANTS SHALL BE **MUELLER SUPER CENTURION 250** OR APPROVED EQUIVALENT BY THE AUTHORITY HAVING JURISDICTION. HYDRANTS SHALL MEET REQUIREMENTS OF **AWWA STANDARD C–502.**
2. HYDRANTS SHALL BE CAST IRON BODY, DRY BARREL DESIGN, COMPRESSION–TYPE VALVE, OPENING AGAINST PRESSURE AND CLOSING WITH PRESSURE, 6–INCH MECHANICAL JOINT INLET FOOT PIECE, 5 ¼ INCH MAIN VALVE OPENING, O–RING TYPE PACKING, RATED FOR 250–PSI WORKING PRESSURE, TWO (2) 2 ½ INCH HOSE NOZZLES AND ONE (1) 4 ½ INCH PUMPER NOZZLE.
3. NOZZLE OUTLET THREADS SHALL MEET LOCAL FIRE DEPARTMENT REQUIREMENTS AND HAVE CAST IRON CAPS WITH NON–KINKING STEEL CHAINS. OPERATING AND CAP NUTS: PENTAGON 1 ½ INCH POINT TO FLAT. HYDRANT VALVES SHALL BE OPENED BY TURNING OPERATING NUT TO THE LEFT, OR **COUNTERCLOCKWISE.**
4. HYDRANTS SHALL BE TRAFFIC TYPE WITH BREAKABLE SAFETY FLANGE WITH RED EXTERIOR ALKYD GLOSS ENAMEL PAINT. HYDRANTS SHALL BE TOUCHED UP TO REMOVE ANY MARKS OR SCRAPED PAINT CAUSED BY INSTALLATON OR TRANSIT.

**NOTE:**

1. HYDRANT SHALL MEET REQUIREMENTS OF **AWWA C502.**

## 2 HYDRANT ASSEMBLY DETAIL

SCALE: NOT TO SCALE

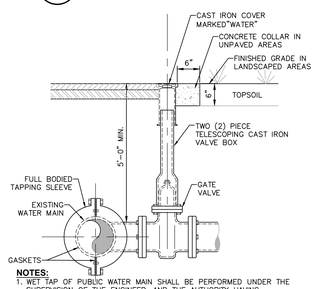



**NOTES:**

1. GATE VALVE & VALVE BOX SHALL BE IN ACCORDANCE WITH MUNICIPAL STANDARDS & AS MANUFACTURED BY **(MUELLER, CLOW OR WATEROUS)** OR APPROVED EQUIVALENT.

## 5 DUCTILE IRON SERVICE PIPE

SCALE: NOT TO SCALE

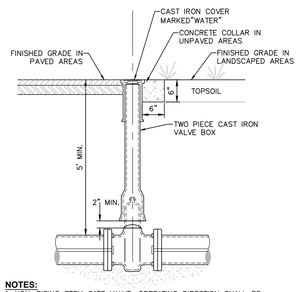



**NOTES:**

1. WET TAP OF PUBLIC WATER MAIN SHALL BE PERFORMED UNDER THE SUPERVISION OF THE ENGINEER, AND THE AUTHORITY HAVING JURISDICTION.
2. TAPPING SLEEVE AND VALVE SUPPORT SHALL BE COORDINATED WITH THE ENGINEER TO SUIT FIELD CONDITIONS.
3. MINIMUM DISTANCE TO JOINTS, FITTINGS, OR OTHER WET TAPS OR STOPS SHALL BE 3 FEET.
4. VALVE OPERATING DIRECTION SHALL BE **COUNTERCLOCKWISE** TO OPEN ( TURNING LEFT ).
5. TAPPING SLEEVE SHALL BE SELECTED TO FIT EXISTING PIPE MATERIAL ( C.I., D.I., A.C. ) AND OUTSIDE DIAMETERS.
6. THRUST BLOCK IS REQUIRED WHERE THE BRANCH OF THE TAPPING SLEEVE DOES NOT HAVE RESTRAINED JOINT.
7. TAPPING SLEEVE, VALVE & VALVE BOX SHALL BE IN ACCORDANCE WITH MUNICIPAL STANDARDS & AS MANUFACTURED BY **(MUELLER, CLOW OR WATEROUS)** OR APPROVED EQUIVALENT.

## 6 TAPPING SLEEVE AND VALVE DETAIL

SCALE: NOT TO SCALE

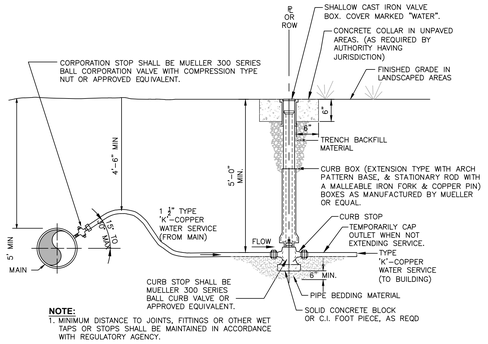



**NOTES:**

1. NON–RISING STEM GATE VALVE, OPERATING DIRECTION SHALL BE **COUNTERCLOCKWISE** TO OPEN.
2. MINIMUM DISTANCE TO JOINTS, FITTINGS, OR OTHER WET TAPS OR STOPS SHALL BE 3 FEET.
3. IF VALVE IS TO BE RODDED, PROVIDE VALVE WITH RODDING FLANGES OR EYEBOLTS. TWO (2) 3/4"ø GALVANIZED STEEL RODS WITH MALLEABLE IRON NUTS AT 180° SPACING SHALL BE USED FOR RODDING VALVES. FOR 12" DIA. PIPE OR LESS. FOR LARGER PIPE SIZES, SEE TABLE FOR NUMBER OF TIE RODS REQUIRED–"JOINT RESTRAINT OPTION DETAILS.)
4. GATE VALVE & VALVE BOX SHALL BE IN ACCORDANCE WITH MUNICIPAL STANDARDS & AS MANUFACTURED BY **(MUELLER, CLOW OR WATEROUS)** OR APPROVED EQUIVALENT.

## 7 TYPICAL GATE VALVE DETAIL

SCALE: NOT TO SCALE

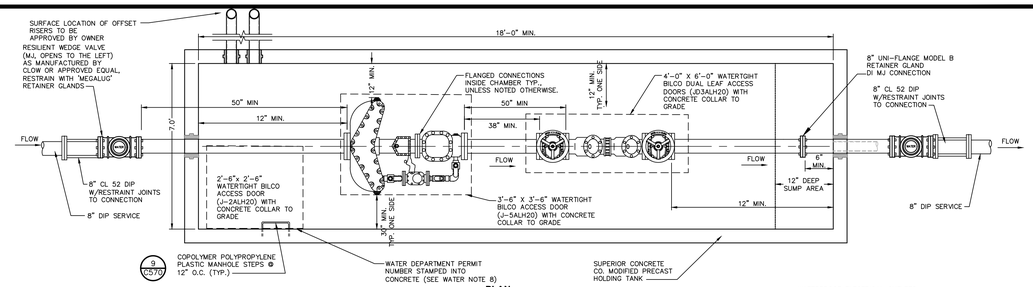



**NOTE:**

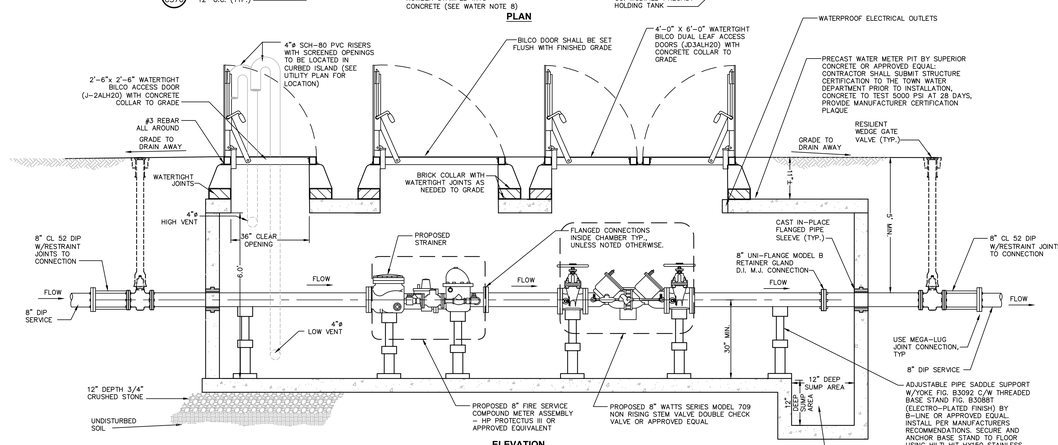
1. MINIMUM DISTANCE TO JOINTS, FITTINGS OR OTHER WET TAPS OR STOPS SHALL BE MAINTAINED IN ACCORDANCE WITH REGULATORY AGENCY.

## 9 COPPER WATER SERVICE

SCALE: NOT TO SCALE




**PLAN**




**ELEVATION**

## 8 WATER METER AND BACKFLOW PREVENTION PIT DETAIL

SCALE: NOT TO SCALE

**NOTES**

1. WATER METER PIT AND ASSEMBLY SHALL BE SUBJECT TO REVIEW AND FINAL APPROVAL BY THE CITY OF POUGHKEEPSIE WATER DEPARTMENT. WATER METER SHALL BE A SENSUS OMNI OR APPROVED EQUAL.
2. WATER METER SHALL BE PROVIDED WITH A REMOTE READING SYSTEM WITH BRONZE WATERTIGHT ENCLOSURE. WATER PROOF REGISTERS SHALL BE PROVIDED. LOCATION SHALL BE APPROVED BY THE CITY OF POUGHKEEPSIE WATER DEPARTMENT PRIOR TO CONSTRUCTION.
3. AN ALUMINUM WARNING PLATE SHALL BE RIVETED OR OTHERWISE PERMANENTLY ATTACHED TO THE MANHOLE COVER. THE PLATE SHALL BE A MINIMUM OF 12"x12" AND SHALL BE ENGRAVED WITH THE FOLLOWING LANGUAGE: "WARNING: CONFINED SPACE – ENTRY PROHIBITED WITHOUT AUTHORIZATION – CALL OWNER FOR APPROVAL TO ACCESS". VENTILATION SHALL CONFORM TO EXISTING LOCAL AND/OR STATE CODES AND AS PER SECTION 6.2.5 OF "RECOMMENDED STANDARDS FOR WATER WORKS – 1997" (TEN STATES STANDARDS).
4. PREPARED SURFACE (I.E., BOTTOM) OF EXCAVATION FOR PLACEMENT OF WATER METER PIT SHALL CONSIST OF A MINIMUM 6" DEPTH OF 3/4" CRUSHED STONE, LEVELED AND LAID OVER STABLE NATIVE SOIL. IF EXCAVATION REVEALS UNSTABLE SOIL MATERIAL, THIS BEDDING REQUIREMENT SHALL BE MODIFIED BY THE PROJECT ENGINEER.
5. WHEN INSTALLING TURBO METERS WITH A STRAINER, A MINIMUM OF FIVE (5) PIPE DIAMETERS OF STRAIGHT RUN PIPE OR EQUIVALENT FULL OPEN COMPONENTS IS REQUIRED UPSTREAM OF THE METER INLET FLANGE. A MINIMUM OF THREE (3) PIPE DIAMETERS OF STRAIGHT PIPE OR EQUIVALENT IS REQUIRED DOWN STREAM OF THE METER.
6. DO NOT INSTALL ELBOWS, BENDS, NONCONCENTRIC REDUCERS, CHECK VALVES, BACK FLOW PREVENTORS AND/OR PRESSURE REDUCING DEVICES WITHIN TEN (10) PIPE DIAMETERS UPSTREAM OR FIVE (5) PIPE DIAMETERS DOWNSTREAM OF THE METER.
7. EXTERIOR OF METER PIT SHALL RECEIVE TWO COATS OF BITUMINOUS COATING.
8. WITHIN 30 DAYS OF INSTALLATION, THE BACKFLOW PREVENTION DEVICE SHALL BE TESTED BY A CERTIFIED TESTER. FOLLOWING TESTING, A NYS DOH–1013 REPORT MUST BE COMPLETED AND SUBMITTED TO THE CITY OF POUGHKEEPSIE, TOWN CLERK AND DUTCHESS COUNTY HEALTH DEPARTMENT TO CERTIFY THAT DEVICE WAS INSTALLED PER APPROVED PLANS.
9. ALL BACKFLOW PREVENTION DEVICES MUST BE TESTED AT LEAST ANNUALLY BY A NYS CERTIFIED TESTER WITH A COPY OF THE INSPECTION AND TEST REPORT (DOH–1013) FORWARDED TO CITY OF POUGHKEEPSIE, AND THE DUTCHESS COUNTY DEPARTMENT OF HEALTH.
10. REINFORCEMENT FOR MANHOLE COMPONENTS SHALL BE DESIGNED BY A LICENSED NEW YORK STATE PROFESSIONAL ENGINEER PRIOR TO CONSTRUCTION. SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW. STRUCTURE SHALL BE DESIGNED FOR HS20–44 VEHICULAR LOADING PLUS 25% IMPACT.
11. PROVIDE WATERPROOF ELECTRIC OUTLET FOR SUMP PUMP IN THE EVENT WATER ACCUMULATES IN SUMP AREA.

| SCHEDULE OF JOINT RESTRAINT BARE DIP (NOT POLYWRAPPED) (LENGTH OF PIPE EACH SIDE OF FITTING TO BE RESTRAINED IN FEET "L") | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PIPE SIZE (INCHES) | FITTING TYPE | | | | | | | REDUCER | | | | | |
| | 90° | 45° | 22½° | 11¼° | TEE | VALVE | DEAD END | 6" | 8" | 10" | 12" | 16" | 18" | 24" |
| 6" | 43 | 18 | 8 | 4 | 29 | 31 | 31 | | | | | | | |
| 8" | 56 | 23 | 11 | 5 | 38 | 41 | 41 | 17 | | | | | | |
| 10" | 68 | 28 | 14 | 7 | 48 | 50 | 50 | 31 | 17 | | | | | |
| 12" | 81 | 34 | 16 | 8 | 57 | 59 | 59 | 43 | 31 | 17 | | | | |
| 16" | 106 | 44 | 21 | 10 | 76 | 78 | 78 | 66 | 57 | 46 | 33 | | | |
| 18" | 119 | 49 | 24 | 12 | 85 | 88 | 88 | | 69 | 59 | 48 | 18 | | |
| 24" | 156 | 65 | 31 | 15 | 116 | 116 | 116 | | | | 86 | 63 | 50 | |
| 30" | 192 | 80 | 38 | 19 | 142 | 144 | 144 | | | | | | 91 | 50 |

**NOTES:**

1. THE LENGTH OF PIPE REQUIRING RESTRAINT IS BASED UPON THE FOLLOWING ASSUMPTIONS:

   A. BEDDING TYPE 2 – FLAT BOTTOM TRENCH, BACKFILL LIGHTLY CONSOLIDATED TO CENTER LINE OF PIPE.
   B. SOIL TYPE CLAY 1 – CLAY OF MEDIUM TO LOW PLASTICITY, LL<50, <25% COURSE PARTICLES [CL & CL–ML] :

      CL – INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY GRAVELY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
      ML – INORGANIC SILTS, VERY FINE SAND, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS.

   C. PIPE IS BARE DUCTILE IRON PIPE (NOT POLYWRAPPED)
   D. DEPTH TO TOP OF PIPE 5'–0" MINIMUM
   E. MAXIMUM OPERATING PRESSURE OF 150 PSI
   F. FACTOR OF SAFETY OF 1.5

2. FOR END PLUGS, RESTRAIN PIPE LENGTH GIVEN FOR DEAD END FITTING.
3. THE LENGTH OF NEW PIPE TO BE RESTRAINED IS THE LENGTH FOR EACH SIDE OF THE FITTING.
4. THE ABOVE INFORMATION WAS PROVIDED USING THE THRUST RESTRAINT PROGRAM ISSUED BY THE DUCTILE IRON PIPE RESEARCH ASSOCIATION (DIPRA) AND IS BASED ON THE ASSUMPTIONS LISTED IN NOTE 1. RESTRAINED LENGTH REQUIREMENTS FOR FIELD CONDITIONS AND PIPE SIZES DIFFERING FROM THOSE LISTED ABOVE SHOULD BE EVALUATED SEPARATELY.
5. RESTRAINED JOINT PIPE AND FITTINGS SHALL BE USED ONLY AS ALLOWED BY THE PROJECT PLANS AND/OR SPECIFICATION.

## 10 JOINT RESTRAINT SCHEDULE AND NOTES

SCALE: NOT TO SCALE

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ORIGINAL SCALE IN INCHES

CHAZEN ENGINEERING, LAND SURVEYING, LANDSCAPE ARCHITECTURE & GEOLOGY CO., D.P.C.

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| rev. | date | description |
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| 1 | 06/29/21 | REVISED FOR PLANNING BOARD SUBMISSION |

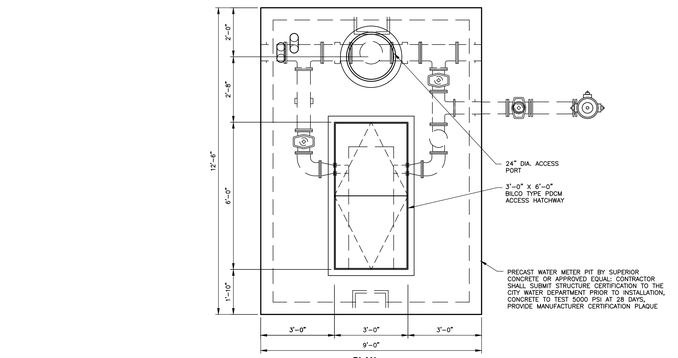
**HIGHVIEW II - MILTON STREET**

# WATER DETAILS NOTES

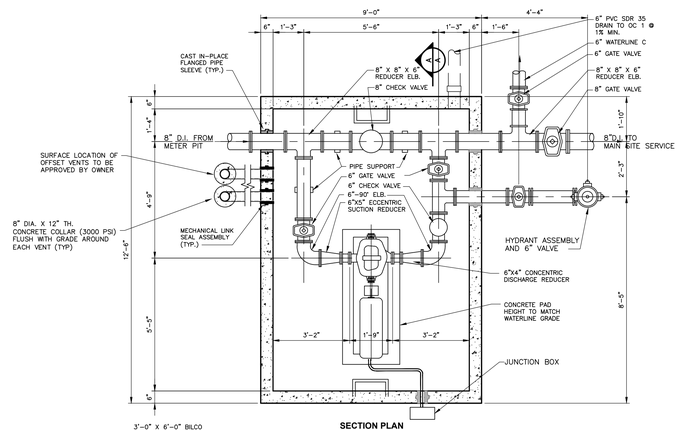
CITY OF POUGHKEEPSIE, DUTCHESS COUNTY, NEW YORK

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| 05/25/21 | AS SHOWN |
| project no. | |
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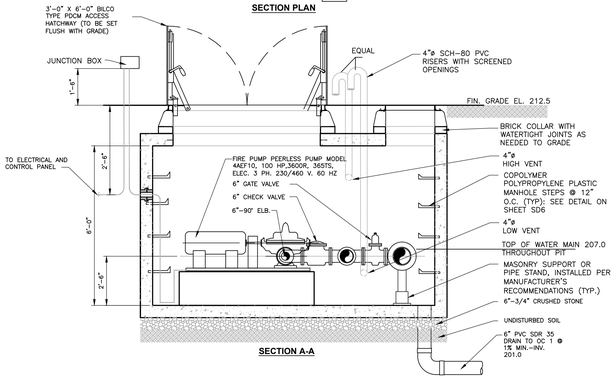
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Date Printed: Oct 05, 2021, 4:16pm




**PLAN**




**SECTION PLAN**

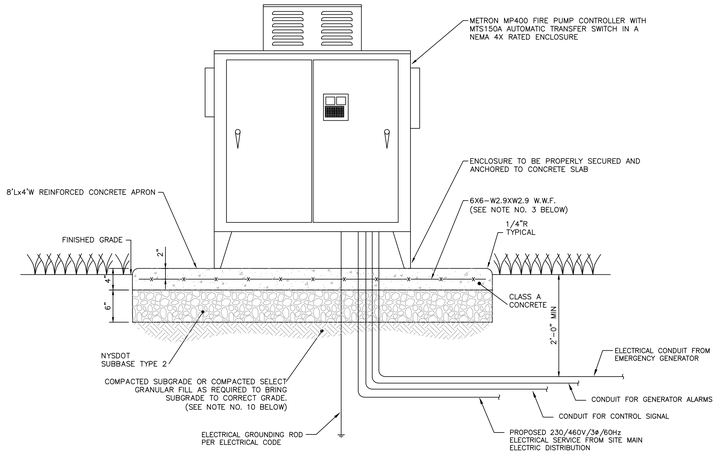



**SECTION A-A**

**NOTES**

1. PUMP CHAMBER AND ASSEMBLY AND SHOP DRAWINGS SHALL BE SUBJECT TO REVIEW AND FINAL APPROVAL BY THE CITY OF POUGHKEEPSIE ENGINEERING DEPARTMENT.
2. FIRE PUMP FURNISHED FOR FIRE PROTECTION SERVICE SHALL BE SUPPLIED WITH SPECIFIED DRIVERS, CONTROLS AND PUMP ACESSORIES AS DESCRIBED IN APPENDIX TO ENGINEERING REPORT
3. AN ALUMINUM WARNING PLATE SHALL BE RIVETED OR OTHERWISE PERMANENTLY ATTACHED TO THE MANHOLE COVER. THE PLATE SHALL BE A MINIMUM OF 12"x12" AND SHALL BE ENGRAVED WITH THE FOLLOWING LANGUAGE: "WARNING: CONFINED SPACE – ENTRY PROHIBITED WITHOUT AUTHORIZATION – CALL OWNER FOR APPROVAL TO ACCESS". VENTILATION SHALL CONFORM TO EXISTING LOCAL AND/OR STATE CODES AND AS PER SECTION 6.2.5 OF "RECOMMENDED STANDARDS FOR WATER WORKS – 1997" (TEN STATES STANDARDS).
4. PREPARED SURFACE (I.E., BOTTOM) OF EXCAVATION FOR PLACEMENT OF PUMP CHAMBER SHALL CONSIST OF A MINIMUM 9" DEPTH OF 3/4" CRUSHED STONE, LEVELED AND LAID OVER STABLE NATIVE SOIL. IF EXCAVATION REVEALS UNSTABLE SOIL MATERIAL, THIS BEDDING REQUIREMENT SHALL BE MODIFIED BY THE PROJECT ENGINEER.
5. FIRE PUMP PIT TO BE PROVIDED WITH STEPS.
6. ALL ELECTRICAL SHALL BE INSTALLED AS PER THE NATIONAL ELECTRIC CODE, LATEST EDITION.
7. INSTALLATION AND TESTING TO BE CERTIFIED COMPLETE BY A NYS LICENSED PROFESSIONAL ENGINEER.

© 1 **PUMP CHAMBER DETAIL**
SCALE: NOT TO SCALE

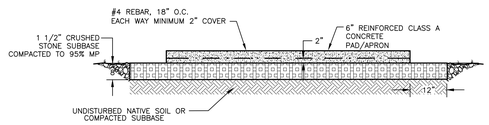



1. THE METRON COMBINATION FIRE PUMP CONTROLLER/TRANSFER SWITCH IS A METRON MODEL MP400 WITH INTEGRATED MTS150A AUTOMATIC TRANSFER SWITCH IN A NEMA 4X RATED ENCLOSURE. THE UNIT IS UNDERWRITER'S LABORATORIES (UL) AND FACTORY MUTUAL (FM) APPROVED AND MEETS ALL THE REQUIREMENTS OF NFPA FOR CENTRIFUGAL FIRE PUMPS.
2. THE CONTROLLER/TRANSFER SWITCH UNIT SHALL BE MANUFACTURED BY METRON, INC. AND BE EQUIPPED WITH ALL THE FEATURES DESCRIBED IN THE ENGINEER'S REPORT. THE UNIT PROVIDES OPERATION OF THE ELECTRIC FIRE PUMP MOTOR FROM AN ALTERNATE SOURCE WHEN THE NORMAL POWER SOURCE FAILS.
3. THE FIRE PUMP IS A PEERLESS HORIZONTAL SPLIT CASE SINGLE STAGE FIRE PUMP MODEL 4AEF10 EQUIPPED WITH A 3550 RPM, 3PH, 230/460V, 60 HZ ELECTRIC MOTOR. THE PUMP SHALL BE EQUIPPED WITH ALL ANCILLARY ACCESSORIES DESCRIBED IN THE ENGINEER'S REPORT.
4. THE EMERGENCY GENERATOR SET SHALL BE A KOHLER MODEL 230REOZJB, 230 KW, DIESEL UNIT WITH SOUND ATTENUATED ENCLOSURE AND DUAL–WALL SUB–BASE TANK, OR APPROVED EQUAL. THE GENERATOR IS TO BE EQUIPPED WITH ALL FEATURES DESCRIBED IN THE ENGINEER'S REPORT.
5. THIS DETAIL IS PROVIDED TO ILLUSTRATE THE INTENDED LAYOUT. THE CONTRACTOR SHALL PROVIDE SHOP DRAWINGS SHOWING THE ARRANGEMENT AND LOCATIONS OF ALL COMPONENTS, CONDUITS AND EQUIPMENT FOR THE FIRE PUMP CONTROLLER/AUTO TRANSFER SWITCH UNIT FOR A COMPLETE AND FUNCTIONAL INSTALLATION.
6. THE CONTRACTOR SHALL SUBMIT A COPY OF THE SHOP DRAWINGS TO THE CITY OF POUGHKEEPSIE ENGINEER FOR REVIEW.
7. THE INSTALLATION SHALL COMPLY WITH ALL LOCAL, STATE AND NEC ELECTRICAL CODE AND NFPA REQUIREMENTS.
8. INSTALL ALL WIRING IN RIGID GALV. STEEL CONDUITS.
9. ALL WIRING SHALL BE ADEQUATELY SIZED TO CARRY REQUIRED LOADS AS PER ELECTRICAL CODES.

© 2 **ELECTRIC FIRE PUMP CONTROLLER AND AUTO-TRANSFER SWITCH**
SCALE: NOT TO SCALE

CONCRETE NOTES:

1. MATERIAL AND METHODS OF CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION (NYSDOT) STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, DATED JANUARY 2, 2002, AND ALL ADDENDA THERETO; THE ONLY EXCEPTION BEING THAT THE WORK OF THIS CONTRACT SHALL BE MEASURED IN ENGLISH UNITS.
2. ALL CONCRETE SHALL BE CLASS A CONCRETE. CONCRETE MATERIALS, PLACEMENT, AND CONSTRUCTION SHALL CONFORM WITH SECTION 500 OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS.
3. REINFORCING STEEL FOR CONCRETE SHALL CONFORM WITH SECTION 556 – REINFORCING STEEL FOR CONCRETE STRUCTURES OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS AND AS SPECIFICALLY CALLED OUT IN THE DRAWINGS.
4. ALL EXPOSED SURFACED SHALL HAVE A BROOM TEXTURED FINISH.
5. EXPANSION JOINTS SHALL BE LOCATED A MAXIMUM OF 20'–0" ON CENTER, OR AS INDICATED ON PLANS.
6. JOINTS SHALL NOT BE SAW CUT.
7. EXPOSED CONCRETE SURFACES SHALL BE TREATED WITH "SUREBOND","SAFEBOND" SB–7000 INTENSIFIER BRIGHT PROTECTOR AND SIDEWALK SEALER, OR EQUAL. RATE AND METHOD OF APPLICATION SHALL BE IN ACCORDANCE WITH MANUFACTURE'S RECOMMENDATIONS.
8. SUBBASE MATERIAL SHALL CONFORM WITH SECTION 304 OF THE ABOVE REFERENCED NYSDOT STANDARD.
9. WHERE IT IS NECESSARY TO PLACE FILL FOR PURPOSE OF BRINGING THE SUBGRADE ELEVATION UP TO A SPECIFIED GRADE, THE FILL MATERIAL PLACED SHALL BE IN CONFORMATION WITH SECTION 203–EXCAVATION AND EMBANKMENT OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS.
10. ALL WORK SHALL CONFORM WITH SECTION 608–SIDEWALK, DRIVEWAYS, AND BICYCLE PATHS OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS.




**NOTES:**

1. THE CONCRETE PAD DIMENSIONS SHALL BE 16'L x 10'W.
2. THE CONTRACTOR SHALL MAKE PROVISIONS TO PROVIDE ALL SLEEVES REQUIRED FOR THE PASSAGE OF ALL CONDUITS IN THE CONCRETE SLAB.

© 3 **GENERATOR PAD DETAIL**
SCALE: NOT TO SCALE

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HIGHVIEW II - MILTON STREET

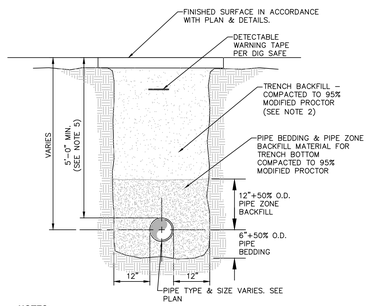
# WATER DETAILS

CITY OF POUGHKEEPSIE, DUTCHESS COUNTY, NEW YORK

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Date Printed: Oct 05, 2021, 4:16pm




**NOTES:**

1. PIPE BEDDING & PIPE ZONE BACKFILL SHALL BE A NATURAL RUN-OF-BANK (R.O.B.) SAND OR A MIXTURE OF CRUSHED STONE AND GRAVEL, FREE OF SOFT, NONDURABLE PARTICLES, ORGANIC MATERIALS AND ELONGATED PARTICLES, AND SHALL BE WELL GRADED FROM FINE TO COARSE PARTICLES. BEDDING GRADATIONS SHALL BE APPROVED BY THE ENGINEER AND SHALL MEET THE FOLLOWING GRADATION REQUIREMENTS:

| SIEVE DESIGNATION | % PASSING |
|---|---|
| 3/4" | 100% |
| NO. 40 | 0-70% |
| NO. 200 | 0-10% |

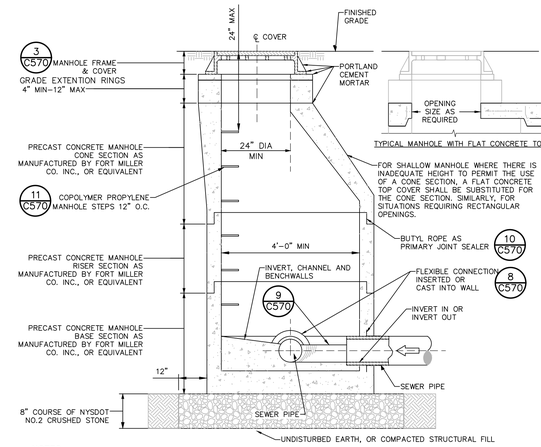
2. TRENCH BACKFILL SHALL BE A NATURAL RUN-OF-BANK (R.O.B.) OR PROCESSED GRAVEL, OR EXCAVATED MATERIAL FREE OF SOFT, NONDURABLE PARTICLES, ORGANIC MATERIALS AND ELONGATED PARTICLES, AND SHALL BE WELL GRADED FROM FINE TO COARSE PARTICLES. TRENCH BACKFILL GRADATIONS SHALL BE APPROVED BY THE ENGINEER AND SHALL MEET THE FOLLOWING GRADATION REQUIREMENTS:

| SIEVE DESIGNATION | % PASSING |
|---|---|
| 4" | 100% |
| NO. 40 | 0-70% |
| NO. 200 | 0-10% |

IN NON-TRAFFIC UNPAVED AREAS TRENCH BACKFILL CAN BE MATERIALS EXCAVATED FROM THE TRENCH AS APPROVED BY THE ENGINEER AND COMPACTED TO 90% MODIFIED PROCTOR.

3. INSTALL CONTINUOUS DETECTABLE MARKING TAPE DURING BACKFILLING OF TRENCH FOR UNDERGROUND PIPING. LOCATE TAPE 12" BELOW FINISHED GRADE, DIRECTLY OVER PIPING, EXCEPT 6" BELOW SUBGRADE UNDER PAVEMENTS & SLAB.
4. TRENCHING SHALL BE IMPLEMENTED IN ACCORDANCE WITH O.S.H.A. STANDARDS.
5. 5'-0" MIN COVER SHALL BE APPLIED TO WATER MAIN OR SANITARY SEWER FORCE MAINS ONLY.

## 1 PIPE TRENCH DETAIL (TYPICAL)
SCALE: NOT TO SCALE



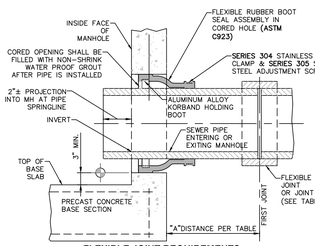

**NOTES:** USE ONLY WET-CAST UNITS. DRY-CAST NOT ACCEPTABLE

1.

| CONE DIMENSIONS | |
|---|---|
| DIAM. OPENING | HEIGHT |
| 24" | 24" OR 42" |
| 30" | 34" |

2. INVERT SHALL BE FILLETED.
3. REINFORCEMENT FOR MANHOLE COMPONENTS SHALL BE DESIGNED BY A LICENSED NEW YORK STATE PROFESSIONAL ENGINEER PRIOR TO CONSTRUCTION. SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW. STRUCTURE SHALL BE DESIGNED FOR HS20-44 VEHICULAR LOADING PLUS 25% IMPACT.
4. CONCRETE TO TEST **4,500 PSI** AT 28 DAYS IN CONFORMANCE WITH **A.S.T.M. C-478.**
5. BENCH SHALL BE BUILT FOR FLOW BETWEEN INLET AND OUTLET.
6. EACH MANHOLE EXTERIOR SHALL RECEIVE TWO BITUMINOUS COATS.

## 2 PRECAST CONCRETE MANHOLE
SCALE: NOT TO SCALE

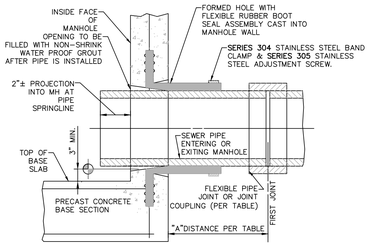



**FLEXIBLE JOINT REQUIREMENTS**

| SEWER PIPE TYPE | FLEXIBLE JOINT TYPE IN & OUT | "A"DISTANCE (FEET) |
|---|---|---|
| DUCTILE IRON | STD RUBBER GASKET PIPE JOINT ONLY | 10' MAX |
| PVC | STD RUBBER GASKET PIPE JOINT ONLY | 3' MAX |

**NOTE:**
REFERENCE MANHOLE DETAIL(S) FOR REQUIRED INVERT CHANNEL CONFIGURATION.

## 7 PIPE CONNECTION TO MANHOLE- PRECAST OR CORED HOLE W/ INSERTED FLEXIBLE BOOT
SCALE: NOT TO SCALE

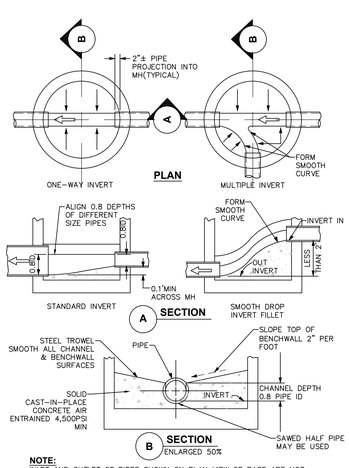



**FLEXIBLE JOINT REQUIREMENTS**

| SEWER PIPE TYPE | FLEXIBLE JOINT TYPE IN & OUT | "A"DISTANCE (FEET) |
|---|---|---|
| DUCTILE IRON | STD RUBBER GASKET PIPE JOINT ONLY | 10' MAX |
| PVC | STD RUBBER GASKET PIPE JOINT ONLY | 3' MAX |

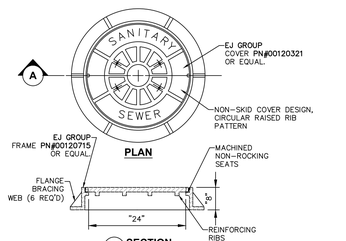
**NOTE:**
REFERENCE MANHOLE DETAIL(S) FOR REQUIRED INVERT CHANNEL CONFIGURATION.

## 8 PIPE CONNECTION TO MANHOLE- FLEXIBLE RUBBER BOOT CAST INTO MANHOLE WALL
SCALE: NOT TO SCALE



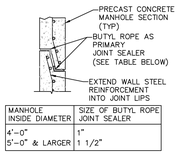

**NOTE:**
INLET AND OUTLET OF PIPES SHOWN ON PLAN VIEW OF BASE ARE NOT NECESSARILY TYPICAL OF ALL MANHOLES. REFER TO UTILITY PLAN FOR INLET AND OUTLET DIRECTIONS.

## 9 INVERT, CHANNEL AND BENCHWALLS
SCALE: NOT TO SCALE



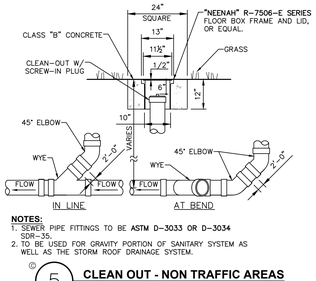

**NOTE:**
1. FRAME AND COVER SHALL BE DESIGNED FOR HS20-44 VEHICLE LOADING AND 25% IMPACT.

## 3 HEAVY DUTY STANDARD CAST IRON MH COVER
SCALE: NOT TO SCALE



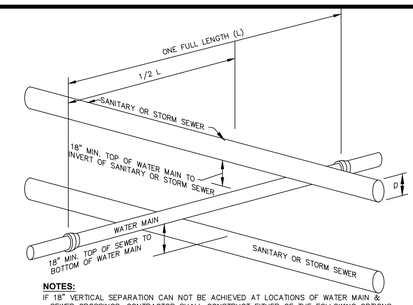

| MANHOLE INSIDE DIAMETER | SIZE OF BUTYL ROPE JOINT SEALER |
|---|---|
| 4'-0" 5'-0" & LARGER | 1" 1 1/2" |

## 4 MANHOLE JOINT
SCALE: NOT TO SCALE




**NOTES:**
1. SEWER PIPE FITTINGS TO BE **ASTM D-3033 OR D-3034** SDR-35.
2. TO BE USED FOR GRAVITY PORTION OF SANITARY SYSTEM AS WELL AS THE STORM ROOF DRAINAGE SYSTEM.

## 5 CLEAN OUT - NON TRAFFIC AREAS
SCALE: NOT TO SCALE




**NOTES:**
IF 18" VERTICAL SEPARATION CAN NOT BE ACHIEVED AT LOCATIONS OF WATER MAIN & SEWER CROSSINGS, CONTRACTOR SHALL CONSTRUCT EITHER OF THE FOLLOWING OPTIONS:
1. CONSTRUCT SEWER OF PVC WATERWORKS GRADE PRESSURE PIPE MATERIAL 10' ON EACH SIDE OF THE WATER MAIN AND TEST TO 150PSI TO ASSURE TIGHTNESS.
2. EITHER THE WATER MAIN OR THE SEWER LINE MAY BE ENCASED IN A WATER TIGHT CARRIER PIPE WHICH EXTENDS 10 FEET ON BOTH SIDES OF THE CROSSING. THE CARRIER PIPE SHALL BE OF MATERIAL APPROVED FOR THE USE IN WATER MAIN CONSTRUCTION.

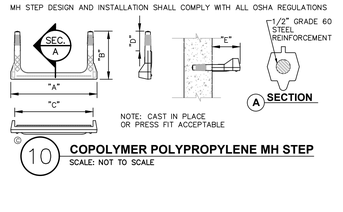
## 6 SECTION WATER/SEWER SEPARATION REQUIREMENTS
SCALE: NOT TO SCALE

**ACCEPTABLE MANHOLE STEPS**

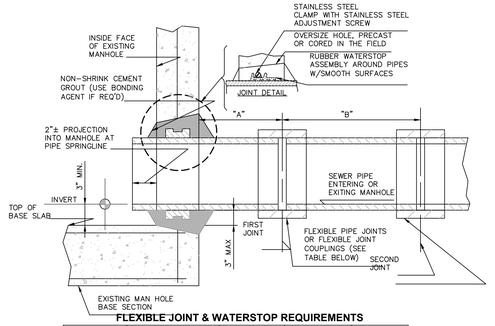
| MANUFACTURER | PATTERN NUMBER | "A" STEP WIDTH | "B" LEG LENGTH | "C" RUNG CLEAR | "D" EMBED-MENT | "E" RUNG CLEAR |
|---|---|---|---|---|---|---|
| M.A. INDUSTRIES INC* | PS2-PF | 14 3/4 | 9 1/4 | 13 3/4 | 3 3/8 | 5 7/8 |
| M.A. INDUSTRIES INC* | PS2-PFS | 14 3/4 | 8 1/4 | 13 3/4 | 3 3/8 | 4 7/8 |

* OR EQUIVALENT

MH STEP DESIGN AND INSTALLATION SHALL COMPLY WITH ALL OSHA REGULATIONS




## 10 COPOLYMER POLYPROPYLENE MH STEP
SCALE: NOT TO SCALE




**FLEXIBLE JOINT & WATERSTOP REQUIREMENTS**

| SEWER PIPE TYPE | FLEXIBLE JOINT TYPE IN & OUT | "A"DISTANCE (FEET) | "B"DISTANCE (FEET) | MH WATER STOP REQD |
|---|---|---|---|---|
| DUCTILE IRON | STD RUBBER GASKET PIPE JOINT ONLY | 10'MAX | NO LIMIT | YES |
| PVC | SPECIAL FLEXIBLE JOINT COUPLING | 1'MAX | 3'MAX | YES |

**NOTES:**
1. THIS DETAIL SHALL BE USED AT NO EXTRA COST IN PLACE OF EITHER OF THE PIPE-TO-MANHOLE CONNECTION DETAILS ONLY WHEN CONNECTING TO EXISTING MANHOLES THAT HAVE NO FLEXIBLE RUBBER BOOT PROVIDED.
2. REFERENCE MANHOLE DETAIL(S) FOR REQUIRED INVERT CHANNEL CONFIGURATION.

## 11 PIPE CONNECTION TO EXISTING MANHOLE- CEMENT GROUT SEAL WITH WATER STOP
SCALE: NOT TO SCALE

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|---|---|---|
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HIGHVIEW II - MILTON STREET

# SANITARY SEWER DETAILS

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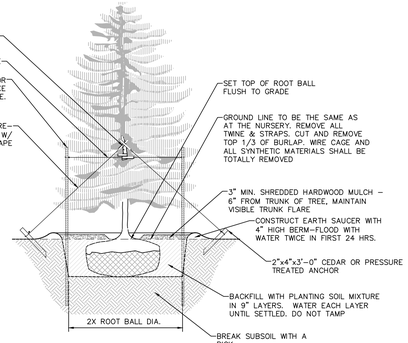
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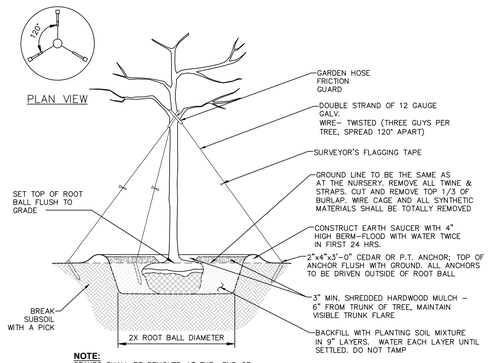
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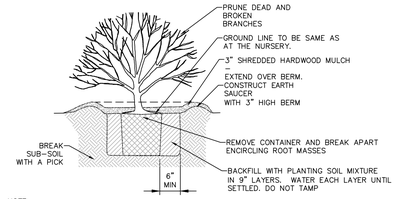

**NOTES:**
1. SPRAY WITH ANTIDESICCANT IN ACCORDANCE WITH MFG.'S RECOMMENDATIONS.
2. TREES LESS THAN 3" CALIPER SHALL BE STAKED.
3. TREES GREATER THAN 3" CALIPER AND UP SHALL BE GUYED AND ANCHORED.
4. STAKES SHALL BE REMOVED AT THE END OF THE FIRST GROWING SEASON AFTER PLANTING.

© 1 **EVERGREEN PLANTING DETAIL**
SCALE: NOT TO SCALE



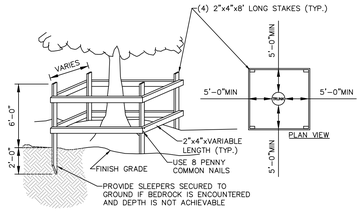

**NOTE:**
STAKES SHALL BE REMOVED AT THE END OF THE FIRST GROWING SEASON AFTER PLANTING

© 2 **PLANTING AND GUYING DETAIL BALLED AND BURLAPPED TREE**
SCALE: NOT TO SCALE



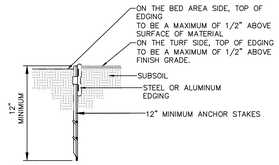

NOTE:
SPRAY WITH ANTI DESICCANT IN ACCORDANCE WITH MFG.'S RECOMMENDATIONS IF FOLIAGE IS PRESENT.

© **SHRUB PLANTING DETAIL FOR CONTAINERIZED SHRUBS**
SCALE: NOT TO SCALE



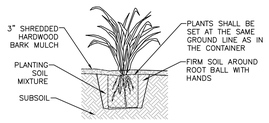

**NOTE:**
SEE LANDSCAPING PLAN FOR ADDITIONAL TREE PROTECTION NOTES.

© **TEMPORARY TREE PROTECTION DETAIL**
SCALE: NOT TO SCALE




**NOTES:**
1. 16'-0" SECTIONS TO INCLUDE FIVE (5) 12" STAKES
2. 8'-0" SECTIONS TO INCLUDE THREE (3) 12" STAKES
3. COMPACT GRADES ADJACENT TO EDGING TO MINIMIZE SETTLING
4. CORNERS — CUT BASE OF EDGING HALF WAY AND FORM A CONTINUOUS CORNER.

© **LANDSCAPE BED EDGING**
SCALE: NOT TO SCALE




**SECTIONAL ELEVATION**

**NOTES:**
1. SPADED PLANTING SOIL MIX (4"–6" DEPTH), ADD FERTILIZER WHEN MIXING. DO NOT COMPACT AFTER PLANTING.
2. WATER THOROUGHLY AFTER PLANTING.
3. PROVIDE WELL DRAINING SUBSOIL WHEN SOIL IS HEAVY OR COMPACTED.
4. PLANTS SHALL BE REMOVED FROM ALL CONTAINERS WHEN PLANTED, UNLESS OTHERWISE STATED IN THE PLANT SCHEDULE.

© **CONTAINERIZED PERENNIAL PLANTING**
SCALE: NOT TO SCALE

## LANDSCAPING NOTES:

1. THE LANDSCAPE CONTRACTOR SHALL CAREFULLY COORDINATE CONSTRUCTION ACTIVITIES WITH THAT OF THE EARTHWORK CONTRACTOR AND OTHER SITE DEVELOPMENT.
2. THE CONTRACTOR SHALL VERIFY DRAWING DIMENSIONS WITH ACTUAL FIELD CONDITIONS AND INSPECT RELATED WORK AND ADJACENT SURFACES. THE CONTRACTOR SHALL VERIFY THE ACCURACY OF ALL FINISH GRADES WITHIN THE WORK AREA. THE CONTRACTOR SHALL REPORT TO THE LANDSCAPE ARCHITECT/ENGINEER AND OWNER ALL CONDITIONS WHICH PREVENT PROPER EXECUTION OF THIS WORK.
3. THE EXACT LOCATION OF ALL EXISTING UTILITIES, STRUCTURES AND UNDERGROUND UTILITIES, WHICH MAY NOT BE INDICATED ON THE DRAWINGS, SHALL BE DETERMINED BY THE CONTRACTOR. THE CONTRACTOR SHALL PROTECT EXISTING STRUCTURES AND UTILITY SERVICES AND IS RESPONSIBLE FOR THEIR REPLACEMENT IF DAMAGED.
4. THE CONTRACTOR SHALL KEEP THE PREMISES FREE FROM RUBBISH AND ALL DEBRIS AT ALL TIMES AND SHALL ARRANGE MATERIAL STORAGE SO AS NOT TO INTERFERE WITH THE OPERATION OF THE PROJECT. ALL UNUSED MATERIALS, RUBBISH AND DEBRIS SHALL BE REMOVED FROM THE SITE.
5. NO TREES OR SHRUBS SHALL BE PLANTED ON EXISTING OR PROPOSED UTILITY LINES.
6. QUALITY ASSURANCE:
   A. NOMENCLATURE: PLANT NAMES SHALL CONFORM TO THE LATEST EDITION OF "STANDARDIZED PLANT NAMES" AS ADOPTED BY THE AMERICAN JOINT COMMITTEE ON HORTICULTURAL NOMENCLATURE.
   B. SIZE AND GRADING: PLANT SIZES AND GRADING SHALL CONFORM TO THE LATEST EDITION OF "AMERICAN STANDARD FOR NURSERY STOCK" AS SPONSORED BY THE AMERICAN ASSOCIATION OF NURSERYMEN, INC (AAN), UNLESS OTHERWISE SPECIFIED.
   C. NURSERY SOURCE: OBTAIN FRESHLY DUG, HEALTHY, VIGOROUS PLANTS NURSERY GROWN UNDER CLIMACTIC CONDITIONS SIMILAR TO THOSE IN THE LOCALITY OF THE PROJECT FOR A MINIMUM OF 2 YEARS. PLANTS SHALL HAVE BEEN LINED OUT IN ROWS, ANNUALLY CULTIVATED, SPRAYED, PRUNED AND FERTILIZED IN ACCORDANCE WITH GOOD HORTICULTURAL PRACTICE. ALL PLANTS SHALL HAVE BEEN TRANSPLANTED OR ROOT PRUNED AT LEAST ONCE IN THE PAST 3 YEARS. BALLED AND BURLAPPED PLANTS MUST COME FROM SOIL WHICH WILL HOLD A FIRM ROOT BALL. HEELED IN PLANTS AND PLANTS FROM COLD STORAGE ARE NOT ACCEPTABLE.
   D. SUBSTITUTIONS: DO NOT MAKE SUBSTITUTIONS OF TREES AND/OR SHRUB MATERIALS. IF REQUIRED LANDSCAPE MATERIAL IS NOT OBTAINABLE, SUBMIT PROOF OF NON-AVAILABILITY AND PROPOSAL FOR USE OF EQUIVALENT MATERIAL. WHEN AUTHORIZED, ADJUSTMENTS OF CONTRACT AMOUNT (IF ANY) WILL BE MADE BY CHANGE ORDER.
7. SEEDING & PLANTING SEASONS AND TIMING CONDITIONS:
   A. UNLESS OTHERWISE DIRECTED IN WRITING, SEED LAWNS FROM MARCH 15 TO JUNE 15, AND FROM AUGUST 15 TO OCTOBER 15.
   B. UNLESS OTHERWISE DIRECTED IN WRITING PLANT TREES AND SHRUBS FROM MARCH 15 TO JUNE 1, AND FROM AUGUST 15 TO OCTOBER 30.
   C. AREAS UNDERGOING CLEARING OR GRADING AND ANY AREAS DISTURBED BY CONSTRUCTION ACTIVITIES WHERE LAWNS OR PLANTINGS ARE TO BE ESTABLISHED AND WORK IS COMPLETE, SHALL BE RESTORED WITH PERMANENT VEGETATIVE COVER AS SOON AS SITE AREAS ARE AVAILABLE AND WITHIN 14 DAYS AFTER WORK IS COMPLETE: WORK SHALL BE WITHIN THE SEASONAL LIMITATIONS FOR EACH KIND OF LANDSCAPE WORK REQUIRED. PROVIDE STABILIZATION WITH TEMPORARY VEGETATIVE COVER (TOPSOIL AND TEMPORARY COVER SEED MIX) WITHIN 14 DAYS AFTER WORK IS COMPLETE, FOR SEEDING OUTSIDE PERMITTED SEEDING PERIODS.
8. PRODUCTS:
   A. IMPORTED TOPSOIL: PROVIDE TOPSOIL CONFORMING TO THE FOLLOWING:
      i. LOAM TOPSOIL, WELL DRAINED HOMOGENEOUS TEXTURE AND OF UNIFORM GRADE, WITHOUT THE ADMIXTURE OF SUBSOIL MATERIAL AND FREE OF DENSE MATERIAL, HARDPAN, CLAY, STONES, SOD OR OTHER OBJECTIONABLE MATERIAL.
      ii. CONTAINING NOT LESS THAN 5% NOR MORE THAN 20% ORGANIC MATTER IN THAT PORTION OF A SAMPLING PASSING A 1/4" SIEVE WHEN DETERMINED BY THE WET COMBUSTION METHOD ON A SAMPLE DRIED AT 105°C.
      iii. CONTAINING A PH VALUE WITHIN THE RANGE OF 6.5 TO 7.5 ON THAT PORTION OF THE SAMPLE WHICH PASSES A 1/4" SIEVE.
      iv. CONTAINING THE FOLLOWING WASHED GRADATIONS:

| SIEVE DESIGNATION | % PASSING |
|---|---|
| 1" | 100 |
| 1/4" | 97-100 |
| NO 200 | 20-60 |

   B. SEED MIXTURE:
      PROVIDE FRESH, CLEAN, NEW-CROP SEED MIXED IN THE PROPORTIONS SPECIFIED FOR SPECIES AND VARIETY, AND CONFORMING TO FEDERAL AND STATE STANDARDS. PROVIDE THE FOLLOWING MIXTURES:
      i. LAWN SEED MIX

SUN AND PARTIAL SHADE:

| AMOUNT BY: WEIGHT | SPECIES OR VARIETY | MINIMUM % PURITY | GERMINATION |
|---|---|---|---|
| 50% | KENTUCKY BLUE GRASS* | 95% | 80% |
| 20% | PERENNIAL RYE | 98% | 90% |
| 30% | CREEPING RED FESCUE | 97% | 85% |
| 100% | | | |

*MINIMUM 2 (EQUAL PROPORTIONS) VARIETIES AS LISTED IN CORNELL RECOMMENDATIONS FOR TURFGRASS.

SHADE:

| AMOUNT BY: WEIGHT | SPECIES OR VARIETY | MINIMUM % PURITY | GERMINATION |
|---|---|---|---|
| 25% | KENTUCKY BLUE GRASS** | 95% | 80% |
| 20% | PERENNIAL RYE | 98% | 90% |
| 35% | CREEPING RED FESCUE | 97% | 85% |
| 20% | CHEWINGS RED FESCUE | 97% | 85% |
| 100% | | | |

**SHADE TOLERANT VARIETY

      ii TEMPORARY COVER SEED MIX

| AMOUNT BY: WEIGHT | SPECIES OR VARIETY | MINIMUM % PURITY | GERMINATION |
|---|---|---|---|
| 100% | ANNUAL RYEGRASS | 98% | 90% |

   C. LIME: NATURAL LIMESTONE CONTAINING AT LEAST 85% OF TOTAL CARBONATES, GROUND TO SUCH FINENESS THAT AT LEAST 90% PASSES A 10-MESH SIEVE AND AT LEAST 50% PASSES A 100-MESH SIEVE.
   D. FERTILIZER:
      i. FOR STARTER FERTILIZING: COMMERCIAL STARTER FERTILIZER, GRANULAR, NONBURNING PRODUCT CONTAINING 5% NITROGEN, 10% AVAILABLE PHOSPHOROUS, AND 5% WATER SOLUABLE POTASH (5-10-5).
      ii. FOR FINAL FERTILIZING: IF APPLIED IN SPRING SEASON, SHALL BE A SLOW RELEASE COMMERCIAL FERTILIZER, GRANULAR, WITH 3-1-2 NPK. IF APPLIED IN FALL SEASON, SHALL BE AS SPECIFIED IN (8.D.) ABOVE.
   E. TREES, SHRUBS, GROUND COVERS, PERENNIALS, ANNUALS:
      i. PLANTING SOIL MIXTURE: SHALL BE PREMIXED IN BULK, AND CONTAIN THE FOLLOWING BY VOLUME:
         30 PARTS TOPSOIL
         10 PARTS PEAT
         1 PART BONE MEAL
      ii. PEAT: BROWN TO BLACK IN COLOR, WEED AND SEED FREE. DRIED SPHAGNUM PEAT, CONTAINING NOT MORE THAN 9% MINERAL ON A DRY BASIS AND CONFORMING TO NYSDOT 713-15.
      iii. BONE MEAL: FINELY GROUND, RAW, MINIMUM 4% NITROGEN AND 20% PHOSPHORIC ACID. IT SHALL BE DELIVERED IN SEALED BAGS SHOWING THE MANUFACTURER'S GUARANTEED ANALYSIS.
   F. STAKES: 8 FEET LONG, 3 INCH DIA. CEDAR OR P.T. WOOD STAKES.
   G. HOSE: NEW, 2-PLY GARDEN HOSE NOT LESS THAN 1/2 INCH IN DIAMETER.
   H. WEED CONTROL FABRIC: SOIL CHECK AS MANUFACTURED BY BRIGHTON BYPRODUCTS CO. INC, NEW BRIGHTON, PA; MIRASCAPE OR MIRAFI GEOSYNTHETIC PRODUCTS, NORCROSS, PA, OR APPROVED EQUIVALENT.
   I. MULCH:
      i. LAWN AREAS
      OAT OR WHEAT STRAW, FREE OF WEEDS. AN ALTERNATIVE IS WOOD FIBER CELLULOSE IF HYDROSEEDING IS USED.
      ii. PLANT BED AREAS
      GROUND OR SHREDDED HARDWOOD BARK, UNCOLORED. NO PIECES OVER 2 INCHES GREATEST DIMENSION. FREE FROM SAWDUST.
9. EXECUTION:
   A. LANDSCAPE WORK SHALL BE UNDERTAKEN AS SOON AS SITE AREAS ARE AVAILABLE.
   B. TOPSOIL SHALL BE SPREAD NO LESS THAN 4" OVER SUB-GRADE MATERIAL. SOIL AMENDMENTS SHALL BE THOROUGHLY MIXED INTO THE TOP 4" OF TOPSOIL, FOLLOWING THE SPECIFICATIONS STATED BELOW.
   C. PERFORM FINE GRADING TO FINISHED ELEVATION ONLY IMMEDIATELY PRIOR TO PLANTING. PLANTING AREAS SHALL BE GRADED TO A SMOOTH, EVEN SURFACE, FREE OF DEPRESSIONS OR RIDGES WITH A UNIFORM LOOSE, FINE TEXTURE.
   D. FERTILIZING:
      i. THE SOIL SHALL BE TESTED FOR PH AND LIME ADDED AS NECESSARY. ALL AMENDMENTS SHALL BE CHECKED AND APPROVED BY LANDSCAPE ARCHITECT BEFORE AMENDMENTS ARE MADE.
      ii. APPLY FERTILIZER AT RATE OF 4 LBS/1000 SF FOR LAWN AREAS.
   E. LAWN:
      i. LAWN SEED MIX: SEED AT THE RATE OF 5 TO 6 LBS PER 1,000 SF.
      ii. TEMPORARY COVER SEED MIX: SEED AT THE RATE OF 3 TO 4 LBS PER 1,000 SF.
      iii. TEMPORARY COVER SEED MIX TO BE APPLIED ONLY FOR LATE FALL OR SUMMER SOIL STABILIZATION OUTSIDE ALLOWED SEEDING PERIODS.
   F. ALL SEEDED AREAS SHALL BE PROTECTED FROM EROSION BY ONE OF THE FOLLOWING METHODS:
      i. A UNIFORM BLANKET OF STRAW APPLIED AT A RATE OF 2 TONS/ACRE MIN, TO BE APPLIED ONCE SEEDING IS COMPLETE.
      ii. WOOD FIBER CELLULOSE APPLIED WITH SEED MIX BY A HYDROSEEDER AT A RATE OF 2,000 LBS/ACRE.
   G. ALL SEEDED SLOPES 3:1 OR GREATER SHALL BE PROTECTED FROM EROSION WITH JUTE MESH OR APPROVED EQUAL.
   H. ALL NEWLY PLANTED AREAS SHALL BE KEPT MOIST BY WATERING UNTIL GRASSES AND GROUND COVERS ARE WELL ESTABLISHED. THE LANDSCAPE CONTRACTOR MUST WATER PLANT MATERIAL WHEN NECESSARY FOR 60 DAYS AFTER INSTALLATION.
   I. LAWNS ARE TO BE WARRANTED UNTIL THEY BECOME ESTABLISHED, UNTIL FINAL ACCEPTANCE, AND NOT LESS THAN 60 DAYS AFTER COMPLETION OF ALL WORK. TREES, SHRUBS, GROUND COVERS, AND PERENNIALS SHALL BE WARRANTED AGAINST DEFECTS INCLUDING POOR GROWTH AND DEATH, EXCEPT WHEN RESULTING FROM OWNER NEGLECT, INCIDENTS THAT ARE BEYOND THE CONTROL OF THE LANDSCAPE INSTALLER AND DAMAGE OR ABUSE BY OTHERS, FOR AT LEAST ONE FULL YEAR AFTER PROJECT COMPLETION.

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**HIGHVIEW II - MILTON STREET**

# LANDSCAPE DETAILS

CITY OF POUGHKEEPSIE, DUTCHESS COUNTY, NEW YORK

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SCHEMATIC FRONT ELEVATION
NEW APARTMENT BUILDING



CULTURED STONE VENEER
ENVIRONMENTAL STONEWORKS
BLACK OAK HACKETT CUT STONE



GLEN GERY THIN BRICK
COLOR: ROMERO



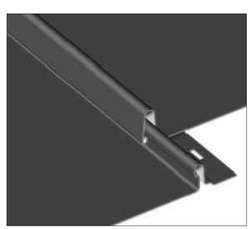
JAMES HARDIE CEMENT SIDING
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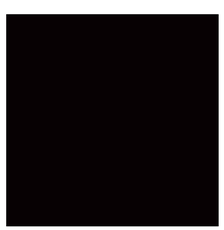
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ARCTIC WHITE



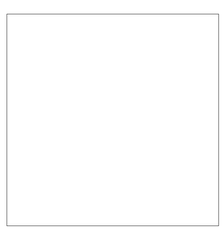
GAF - TIMBERLINE
ARCHITECTURAL SHINGLES
COLOR: CHARCOAL



STANDING SEAM ROOFING
CHARCOAL



CLAD WINDOWS AND DOORS
BLACK



BORAL - TRU EXTERIOR CEMENT TRIM
COLOR: WHITE



ALUMINUM RAILING
BLACK

# EXTERIOR FINISHES




SCHEMATIC RIGHT SIDE ELEVATION
NEW APARTMENT BUILDING

# PROPOSED HIGH VIEW MULTI-FAMILY PROJECT

MILTON STREET, POUGHKEEPSIE, NY

9-16-21
#21080

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# *Full Environmental Assessment Form Part 1*

*for*

## *HIGHVIEW AT THE FALLKILL CREEK*

**Milton Street**
**City of Poughkeepsie**
**Dutchess County, New York**




*Issued:* *December 2, 2020*

*Prepared for:*

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*Chazen Project No. 81947.00*

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# FULL ENVIRONMENTAL ASSESSMENT FORM PART 1

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## ATTACHMENTS

Attachment A: Councilwoman Flowers Letter of Support
Attachment B: Natural Resource Information

Note: Site Plan submitted separately.

# PROJECT NARRATIVE

# 1.0 INTRODUCTION

## 1.1 Project Summary

The Applicant and Owner, Maselo Realty, LLC, is proposing the rezoning of an 8.713-acre tax parcel on Milton Street in the City of Poughkeepsie from Medium Low-Density Residential (R-2) to Planned Residential Development (PRD) for the construction of a 63-apartment unit clustered multifamily development within two buildings with two accesses off Milton Street. The parcel is identified as parcel number 131300-6162-73-623227 on the City of Poughkeepsie Tax Map. The Town of Poughkeepsie abuts the eastern edge of the property (see Figures 1 and 2).

The parcel is currently undeveloped and zoned for Medium Low-Density Residential (R-2) within which multifamily development is not permitted. Therefore, to facilitate the proposed project, the Applicant is petitioning the City for a rezoning of the property from R-2 to PRD by the Common Council. Upon completion of the rezoning, the Applicant will seek site plan approval from the Planning Board.

## 1.2 Background

On April 25, 2006, the City of Poughkeepsie Planning Board granted site plan approval for the construction of a 120-unit condominium complex to be known as Highview at the Fallkill Creek, located on the north side of Milton Street. The Applicant was Phoenix Capital Partners, LLC. The parcel was zoned as Medium High-Density Residential (R-4) at that time, which would have permitted a maximum of 140 dwelling units based on the R-4 requirements and lot size. The original project was never undertaken, and site plan approvals lapsed. The site was subsequently rezoned to Medium Low-Density Residence District (R-2) in October 2010.

## 1.3 Site Description and Project Details

The project parcel is located in the northeast quadrant of the city, along the city/town border, with access to the site on Milton Street by way of Fitchett Street and West Arnold Road. The project site consists of vacant wooded land. The Fallkill Creek runs along the western property line and within the property for approximately 200 linear feet. The current development proposal, referenced as Highview at the Fallkill Creek – Milton Street, includes 63 multifamily dwelling units clustered within two buildings in the southeast portion of the project parcel. The unit breakdown is anticipated to include approximately 31 one-bedroom and 32 two-bedroom units.

The development will be located away from Milton Street (approximately 240 feet) with a substantial natural buffer. The finished floor of the southern building's (Building 100 on Sheet C130) ground floor will be approximately 18 ft lower than Milton Street. The development will not directly impact wetlands or the Fallkill Creek and is approximately 146 – 160 feet away from the Creek. The development will occupy less than half of the 8.713-acre property allowing for approximately 57% of the site to remain undisturbed including 380 trees or approximately 68% of trees currently found on the site.

## 1.4 Anticipated Permits/Approvals

Table 1 provides a list of the approvals/permits that are anticipated for the project.

**Table 1: Anticipated Approvals/Permits**

| AGENCY | APPROVAL/PERMIT |
|---|---|
| City of Poughkeepsie Common Council | Rezoning from R-2 to PRD |
| City of Poughkeepsie Planning Board | Site plan approval |
| City of Poughkeepsie Zoning Board of Appeals | Area Variances |
| City of Poughkeepsie – Engineering Department | Curb cut approval |
| City of Poughkeepsie – Zoning Administrator | Floodplain development permit |
| Dutchess County Department of Planning and Development | GML 239m referral |
| Dutchess County Department of Health | Water and Sewer Connections |
| New York State Department of Environmental Conservation (NYSDEC) | GP-0-20-001<br>SPDES General Permit for Discharges during Construction Activities |

# 2.0 LAND USE, ZONING, AND PUBLIC POLICY

## 2.1 Land Use and Zoning

The parcel is currently undeveloped and zoned for Medium Low-Density Residential (R-2). To the north and west, the property is abutted by Light Industrial (I-1) and Research & Development (R&D) districts, which house a range of uses including multi-family housing (Highridge Garden Apartments), a junkyard, the City's Department of Public Works complex, and manufacturing uses. To the east, in the Town of Poughkeepsie, the property is abutted by a parcel zoned for Multifamily Residence (Town of Poughkeepsie) which contains a large apartment complex, Mountain Brook Apartments. The southern portion of the lot abuts a Medium-Low Density Residential (R-2) district, comprised primarily of single-family residences (Figures 3 and 4).

The purpose of the R-2 District is to provide for areas of relatively open character for single family dwellings on individual lots, as well as for creative cluster development on appropriate sites to provide for facilities and uses which serve residents of those areas and which are benefited by an open residential environment; and to provide opportunity for more intensive use of large older residential structures as a means of assuring neighborhood stability. Table 2 shows the uses that are permitted in this district. Apartments/multifamily dwellings are not permitted in R-2 Districts. Therefore, the Applicant is petitioning the City for a rezoning of the property from R-2 to PRD by the Common Council to facilitate the development of a 63-unit multifamily residential development.

The rezoning of the property to a PRD District, which will permit multifamily residential development, is anticipated to result in a more environmentally sensitive development of the property than that of a traditional single-family home development. The minimum lot area requirement in the R-2 District is 6,000 SF for each single family home; therefore, a maximum of 63 dwellings could theoretically be developed on the site according to the R-2 zoning requirements. Under the existing R-2 zoning, a cluster development allows for flexibility with site design, but the residential uses permitted in a cluster development are

limited to the residential uses permitted in the underlying zoning district. In the R-2 District, the residential use is single family detached dwellings, which would preclude apartment development.

**Table 2: Medium Low-Density Residence District (R-2) – Permitted Uses**

| | |
|---|---|
| **R-2 Zoning District** | **Permitted as-of-right** |
| | Single-family detached dwellings |
| | Home occupations per §19-4.1 |
| | Professional offices per §19-4.2 |
| | Municipal parks and recreational facilities |
| | Governmental uses |
| | Public, private and parochial schools per §19-3.12(2)(a)4 |
| | Cemeteries |
| | Student home per §19-4.22 |
| | **Permitted by Planning Board Special Permit** |
| | Places of worship per §19-3.12(2)(b)1 |
| | Cluster developments per §19-4.16 |
| | Nursery or preschool educational establishments or day-care centers per §19-3.12(2)(b)3 |
| | Libraries, museums and/or art galleries on a minimum 20,000 SF lot |
| | Golf, tennis or swimming clubs per §19-3.12(2)(b)6 |
| | Family day-care homes |
| | Agency group homes, agency community residences or family care homes per §19-3.12(2)(b)8 |
| | Rented rooms, no greater than two |

The Applicant proposes to rezone the property to PRD to allow multifamily development within a development that conforms to the parcel's unique environmental character. The property is identified in the Poughkeepsie's Natural Resource Inventory by Hudsonia Ltd. as one of the last remaining areas within the City of Poughkeepsie where the Fall Kill is not channeled and is permitted to flood naturally. Approximately one-third of the property falls within the City's flood area boundary and contains both upland hardwood forest and upland shrubland habitat. These characteristics make the site ideally suited to the clustering of development away from the creek, which will retain existing habitat. Therefore, rezoning the property to PRD is an appropriate alternative given the PRD's stated purpose and its innate flexibility that is intended to encourage context-specific housing that responds to the characteristics of a site and the character of the surrounding neighborhood.

The purpose of the PRD District Zoning is as follows:

> *It is the purpose of this Planned Residential Development (PRD) section to provide performance criteria as the basis for flexible use and design regulations so that self-contained residential neighborhoods, containing both individual building sites and common property, may be planned and developed in a unified manner on those large tracts of vacant or predominantly vacant land that are appropriate for such use.*

*It is further the intent (1) to encourage innovations in residential development so that the growing demands for housing of different types at all economic levels may be met by greater variety in type, design and siting of dwellings; and (2) to encourage the maximum reasonable conservation and the most efficient possible use of large tracts of land. These objectives cannot be achieved through the use of rigid and uniform traditional bulk and use zoning and subdivision regulations.*

The rezoning of land to a PRD District by the Common Council replaces the use and dimensional specifications contained elsewhere in the Zoning Ordinance with an approved plan, which becomes the basis for land use controls. The specific objectives of the PRD zoning designation are:

(a) An increase in choices of housing types (one-family detached, semidetached, attached and multifamily dwellings) available to city residents at various economic levels.

The proposed project includes 63 apartment dwelling units, which are anticipated to be leased at market rate.

(b) More usable open space and recreation areas.

Approximately 22,100 SF of usable open space will be provided for tenant use as part of the proposed project.

(c) Preservation of trees and outstanding natural topographic and geological features and prevention of soil erosion.

The rezoning of the property to a PRD District will permit multifamily residential development and is anticipated to result in a more environmentally sensitive development of the property than that of a traditional single-family home development. The development will not directly impact wetlands or the Fallkill Creek and is approximately 146 – 160 feet away from the Creek. The development will occupy less than half of the property allowing for approximately 57% to remain undisturbed including 380 trees or approximately 68% of trees currently found on the site.

The proposed project will require greater than one acre of disturbance and will require coverage under the State Pollutant Discharge Elimination System (SPDES) General Permit for Stormwater Discharges from Construction Activity. A Stormwater Pollution Prevention Plan will be prepared in conformance with the most current New York State Stormwater Management Design Manual and New York State Standards and Specifications for Erosion and Sediment Control.

(d) More convenience in location of accessory commercial and service areas.

The proposed project does not include accessory commercial or services areas.

(e) A smaller network of utilities and streets which would lower housing and public maintenance costs.

The proposed project would utilize internal driveways, drive aisles and parking. No new streets are proposed. The site is currently served by municipal utilities and it is anticipated that connections to these utilities will be sought.

(f) A more desirable environment than would be possible through the strict application of other provisions of this Chapter.

A strict application of the Medium Low-Density Residential (R-2) Zoning District to the project site could theoretically yield 63 single-family homes. The R-2 Zoning District does allow cluster development, but the residential uses permitted in a cluster development are limited to the residential uses permitted in the underlying zoning district. In the R-2 District, the residential use is single family detached dwellings, which would preclude apartment development. The Applicant proposes to rezone the property to PRD to allow multifamily development within a development that conforms to the parcel's unique environmental character.

Under a PRD zoning designation, the development may not exceed the density standards of the current R-2 zoning designation, which has a minimum lot area of 6,000 SF per dwelling unit, for maximum of 63 dwelling units on 8.713 acres. However, due to the PRD District's flexibility the development may be clustered into two multi-family buildings rather than spread out as detached single-family homes. This allows for development that will better conform to the natural conditions and constraints of the site.

A PRD is required to meet the following standards and general requirements per §19-3.18:

(a) The minimum area to qualify for a PRD District shall be 25 contiguous acres of land. Where the applicant can demonstrate that the characteristics of his holdings will meet the objectives of this section, plans covering lesser acreage may be considered.

The Applicant is proposing construction of a 63-unit clustered multifamily apartment development within two buildings with access off Milton Street on an approximately 8.713-acre property. The site design includes open space and a pool and pool house. Due to the clustered nature of the site design, the development will occupy less than half of the property allowing for approximately 57% to remain undisturbed including 380 trees or approximately 68% of trees currently found on the site. The proposed project does not include accessory commercial or services areas or internal roadways. The strict application of the R-2 zoning for the provision of single-family homes, whether a clustered or conventional subdivision, would result in greater ground disturbance and loss of natural habitat.

(b) A PRD shall have access to an arterial street, as defined in the City of Poughkeepsie ordinances and regulations.

The project will have two accesses (each one-way) off Milton Street, which is not codified as an arterial street by the City of Poughkeepsie. Therefore, the Applicant will seek an area variance from the Zoning Board of Appeals (ZBA). The appeal to allow access to the proposed PRD from Milton Street versus an arterial road is not anticipated to result in an undesirable change to the character of the neighborhood or detriment to nearby properties because there are not

significant adverse impacts to the traffic system from the project and because the development is well screened from Milton Street.

(c) The following shall be permitted uses:

1. Dwelling units of all types, subject to the requirements of Subsection (3)(d) below.

The proposed multifamily development is a permitted use in the PRD Zone. No accessory commercial development is proposed.

2. Retail, personal service and professional office uses, where such uses are scaled primarily to serve the residents of the PRD.

(d) Residential density and standards:

1. The gross density, measured over the entire tract shall not exceed the equivalent of the number of units that are permitted in the zoning district in effect for the subject property immediately prior to the designation of the property for PRD.

The minimum lot area requirement in the R-2 District is 6,000 SF for each single family home; therefore, a maximum of 63 dwellings could theoretically be developed on the site according to the R-2 zoning requirements. The site plan presents 63 dwelling units.

2. There shall be off-street parking facilities, subject to the requirements of Section 19-4.3 of this Chapter.

The site plan proposes 124 spaces be provided as part of the development, which meets the requirements of Section 19-4.3.

3. Required usable open spaces shall be provided at the same ratio as R-4 District [Section 19-3.15(4)(i)], plus there shall be 1,000 square feet of usable open space for every single-family detached dwelling unit.

The City's Zoning Ordinance stipulates that for residential uses located in R-4 there shall be provided in each multiple dwelling not less than 300 square feet of usable open space for each one-bedroom unit; 400 square feet of usable open space for each two-or-more-bedroom unit. For any development containing more than 15 units, such usable open space shall be devoted to improved and landscaped play and sitting areas for use of residents thereof, and the design and layout of the usable open space shall be subject to approval by the Planning Board.

The 32 one-bedroom units would require 9,300 SF of open space. The 32 two-bedroom units would require 12,800 SF of open space. The total required open space is 22,100 SF.

The site plan includes usable open space and a swimming pool with pool house. Therefore, the project complies with the required 22,100 SF of open space.

(e) Commercial density and standards:

1. Commercial uses may be permitted where such uses are scaled to serve the residents of the PRD. Where a PRD contains less than 250 dwelling units, a maximum of 2,500 square feet of floor area may be provided

for retail commercial and personal service use. Where a PRD contains more than 250 dwelling units, an additional 1,000 square feet of retail commercial or personal service use may be provided for each 100 additional dwelling units.

No accessory commercial uses are proposed as part of the development.

2. Not more than one office or studio, other than accessory to a use otherwise permitted, shall be permitted for each 25 dwelling units or major fraction thereof, on the parcel. If such office(s) is in a residential structure, such office or studio may be located only on the first floor. Access to such office or studio shall be separate from access to residential portions of the structure.

No accessory commercial uses are proposed as part of the development.

3. There shall be off-street parking facilities, subject to the requirements of Section 19-4.3 of this Chapter.

No accessory commercial uses are proposed as part of the development.

(f) Common areas and facilities.

1. "Common areas and facilities" in a PRD is defined as a parcel or parcels of land, together with all improvements thereon, the use and enjoyment of which are shared by the owners and occupants of the individual building sites or dwelling units. Where common areas or facilities exist, the ownership of such property may be either public or private. Where such areas or facilities are not dedicated to the City of Poughkeepsie or other public agency, the owner shall provide for and establish an organization for the continued ownership and maintenance thereof. Such organization shall not be dissolved nor shall it dispose of any common areas or facilities by sale or otherwise.

There are residential amenity areas and other common spaces, which will be managed by the owner.

(4) Site and structure requirements.

(a) It shall be the city's policy to preserve and incorporate into the landscaping of the development natural features, such as streams, rock outcrops, trees and shrubs. All trees with a diameter of eight inches or more, measured three feet from the base of the tree, shall be preserved to the fullest extent possible consistent with good design, engineering and reasonable development of the site. Permission to remove any such trees shall be subject to approval by the Planning Board.

The trees with a diameter of eight inches or more, measured three feet from the base of the tree, are intended to be preserved to the fullest extent possible consistent with good design, engineering and reasonable development of the site. The site plan retains 380 trees on the site or approximately 68% of trees currently found on the site. Additionally, a rock outcrop located in the south central part of the site is retained. No development of the Fallkill Creek, wetlands, or floodplain area are proposed as part of the project.

(b) Where adequate surface drainage is not possible by grading alone, a supplementary drainage system approved by the City Engineer shall be required.

The proposed project will require greater than one acre of disturbance and will require coverage under the State Pollutant Discharge Elimination System (SPDES) General Permit for Stormwater Discharges from Construction Activity. A Stormwater Pollution Prevention Plan will be prepared in conformance with the most current New York State Stormwater Management Design Manual and New York State Standards and Specifications for Erosion and Sediment Control and through coordination with the City Engineer. The Grading and Utility Plan (C140) shows the stormwater being conveyed via swales and subsurface piping to an on-site stormwater bioretention basin. The treated water will outflow to the Fallkill Creek.

(c) All electric, telephone, cable television and similar equipment shall be installed underground in accordance with the New York State Public Service Commission regulations.

The Applicant will work with the local utilities to advance underground connections to the site.

(d) Lot sizes and dimensions and structure heights and locations thereon may be freely disposed and arranged in conformance with the overall density standards set forth herein. In reviewing any application for a PRD, the Planning Board shall be guided by standards set elsewhere in this Chapter for comparable uses and by common good planning practice, to the end that the resulting development shall be compatible with the surroundings, and to assure the stability of the uses proposed to be developed on the site.

The site design avoids sensitive natural resources (e.g. Fallkill Creek, wetlands) leaving approximately 57% of the site undisturbed. The design complies with the bulk and dimensional requirements of the PRD, with the exception of the 50-foot buffer along the east side of the site which abuts the Town of Poughkeepsie. Area variances will be sought to allow the refuse enclosure and parking within the buffer strip and for the pool house location within 120 feet of an apartment building located within the Town of Poughkeepsie, if applicable. The design provides a 131-foot buffer to the Fallkill Creek where Zoning Section 19-4-18(2)(a) requires a minimum 30-foot setback. The proposed parking meets the requirements of the Zoning Ordinance. The buildings are proposed to be 3.5 stories, with three stories visible on the east or front façade and four stories visible on the west façade. Note that the finished floor elevation of the ground floor of the southern most building will be approximately 18 feet lower than Milton Street and the same building will be approximately 240 feet north of Milton Street with a substantial buffer in between.

(e) The right-of-way and pavement widths for internal roads serving multifamily dwellings shall be adequate and sufficient in size, location and design to accommodate the maximum traffic, parking and loading needs and the access of fire-fighting equipment and police or emergency vehicles. The pavement of said roads shall be not less than 22 feet wide and shall be subject to all other applicable city ordinances and standards.

The site design includes access-ways of 20 feet wide. A truck turning template will be provided as the design is advanced to demonstrate suitable access for emergency vehicles.

(f) The developer shall provide all necessary on-site water and sewer facilities, including, if necessary, water storage tanks, storm drainage, highway access, paved service streets, sidewalks, parking and loading facilities, lighting, fire alarm system and other necessary facilities, making reasonable provision

for utility service connections with adjoining properties in other ownerships. Such proposed improvements shall be subject to review and approval by the appropriate city authority. Water supply and distribution sewers, storm drains, streets, sidewalks and paved areas shall be approved by the Department of Public Works and the City Engineer; parking area access, layout and lighting shall be approved by the Police Department; all site plans shall be approved by the Fire Department for access, water pressure and supply and hydrant and call box locations.

The site is currently served by municipal utilities and it is anticipated that connections to these utilities will be sought. Detailed site engineering will continue to advance during the site plan review with regard to utilities, lighting, and other necessary facilities.

(g) Any nonresidential uses within the PRD must be located so as to be compatible with nearby residential uses.

No accessory commercial uses are proposed as part of the development.

(h) A buffer strip shall be provided along the property line and along any street line. Said strip shall be at least 50 feet in depth, measured inward from the street line or property line; provided, however, that in no event shall any structure or building be permitted closer than 120 feet from any residence on any property abutting the PRD property and shall be suitably landscaped with grass and shrubs, trees or other ground cover or such screening as the Planning Board may prescribe. No parking shall be permitted in this area.

The site plan includes parking area and the refuse enclosure within the 50-foot required buffer strip and the pool house is located less than 120 feet from the Mountain Brook apartment building located east of the site in the Town of Poughkeepsie. Area variances will be sought to allow the refuse enclosure and parking with the buffer strip and for the pool house location within 120 feet of an apartment building located within the Town of Poughkeepsie, if applicable. The requested area variances will not result in a detriment to the health, safety and welfare of the neighborhood or community because the development will be located away from Milton Street (approximately 240 feet) with a substantial natural buffer. The requested area variances are critical as these allow the site design to be setback away from the natural resources on site so that no direct impacts to the FallKill Creek or wetlands occurs.

(i) Maximum building coverage of the site shall be 20%.

The site design represents a development comprising approximately 5% building coverage.

In addition to Planning Board meetings, the project underwent two community meetings in 2019 and has received support from Councilwoman Flowers, see Attachment A for a letter of support.

## 2.2 Public Policy

*City of Poughkeepsie Comprehensive Plan, 1998*

The City updated its Comprehensive Plan in 1998 with a focus on three areas: Main Street, the Cottage Street Business District, and the Waterfront. These areas were identified as being critically important to

the City's future growth. Other areas of interest updated in the Plan included neighborhood planning issues, the City's Zoning Code, and recreational resources. The Plan outlines the following goals:

- Goal #1: A Traditional Downtown and Main Street;
- Goal #2: Neighborhoods with a Strong Sense of Community;
- Goal #3: A Vibrant Waterfront for Commerce and Recreation;
- Goal #4: Increased Employment Opportunities;
- Goal #5: User-Friendly Transportation Systems;
- Goal #6: A Regional Center for Commerce, Medicine, and Government; and
- Goal #7: Creating New Economic Opportunities.

The Plan states with regard to Goal #2 that, "City government can play a strong role in making the City a safe, healthy place to live. Policies and decisions on zoning issues that define and protect neighborhood character, and capital investment in parks, sidewalks, and streets, should be in keeping with this goal. New housing should maintain a high architectural standard compatible with surrounding buildings; high rises should be avoided. Infill housing should be encouraged, with design standards to ensure that existing housing stock is not devalued. The City should also support renovation and reuse of vacant buildings, and removal and replacement of dilapidated structures."

The proposed rezoning would allow for a PRD that better conforms to the project site's unique characteristics and fits with the community's character. Pending the rezoning, the proposed project would bring infill development to a developed part of the City that is comprised of a diverse mix of land uses. The rezoning is anticipated to be consistent with the City's Comprehensive Plan as it would utilize existing zoning regulations to develop a unique site with a development that is consistent with local land uses and zoning.

*Dutchess County Hudson River Valley Greenway Compact Plan, 2000*

Dutchess County is one of 13 counties that make up the Hudson River Valley Greenway, which was established by the State by the Hudson River Valley Greenway Act of 1991. In March 2000, the Hudson River Valley Greenway Council approved the Dutchess County Greenway Compact Plan, "Greenway Connections: Greenway Compact Program and Guides for Dutchess County Communities." The Greenway was created to facilitate the development of a voluntary regional strategy for preserving scenic, natural, historic, cultural and recreational resources while encouraging compatible economic development and maintaining the tradition of home rule for land use decision-making. By Local Law Number 1 of 2002, the City became a participating community in the Greenway Compact, and adopted a statement of land use policies, principles and guides entitled, "Greenway Connections: Greenway Compact Program and Guides for Dutchess County Communities." The City requires that consideration of the Greenway Compact Plan policies, principles and guides be used to supplement other established land use policies in the City where discretionary decisions are made.

The proposed action to rezone the property from R-2 to PRD to facilitate the construction of a 63-apartment unit clustered multifamily development will bring infill development to an irregularly shaped parcel that is bound by a mix of land uses, including the Fallkill Creek. The proposed development is anticipated to adhere to the purpose of the PRD District as it will provide multifamily housing within a site design that encourages conservation of natural resources. Therefore, the proposed action is consistent

with the Greenway Compact Plan as it is anticipated to comply with zoning and is consistent with the Greenway Guide and Comprehensive Plan.

*Fallkill Watershed Management Plan, October 2006*

The Fallkill Watershed covers 19.5 square miles, including portions of the City of Poughkeepsie. The Fallkill is approximately 38 miles long, and where it travels through the City it has been channelized and is contained by stone walls before it charges into the Hudson River. The Fallkill has been evaluated and has been found to contain various chemicals and bacteria, with deterioration being most prevalent within the City. The Plan makes several recommendations to improve the Fallkill, including removal of stone walls channelizing the creek and greater oversight on trash dumping. The vision for this section of the creek is articulated as, "The creek and its immediate environs should be transformed into an attractive community resource that is valued for its aesthetic, recreational, and biological attributes as well as its cultural role in the development and history of the City of Poughkeepsie."[1]

The project site abuts and includes some portions of the Fallkill Creek. No impacts to the Creek, associated wetlands are proposed to occur as part of the proposed project. Pending the approval of the rezoning, a floodplain development permit would be sought for work within the floodplain area, if applicable. The project would be constructed according to a Stormwater Pollution Prevention Plan and proposes connection to the City's storm sewer and sewer systems; therefore, the proposed action will not negatively impact the objectives of the Management Plan.

# 3.0 COMMUNITY SERVICES

## 3.1 Emergency Services

Fire emergency/ambulance service is provided by the City of Poughkeepsie. According to the City website, the Fire Department is a 64-man career-staffed department that protects 31,000 people living in an area of 4.78 square miles. It operates three fire stations that respond to almost 5,000 calls per year. The City's apparatus includes four engines, two ladder trucks, one rescue vehicle and a fire/rescue boat. Water for fire protection is obtained from the City of Poughkeepsie water supply. A truck turning radius plan will be submitted during the site plan review. It is anticipated that there is sufficient firefighting capability to meet the minimal increase in demand related to the proposed 63 new residential units.

Police protection is provided by the City of Poughkeepsie Police Department, with support from Dutchess County Sheriff's Department and NYS Police.

# 4.0 SOILS AND WATER RESOURCES

## 4.1 Soils

Figure 5 shows the soil types that are expected to be present on the project site, and Table 3 provides characteristics of these soil types, according to the Dutchess County Soil Survey information available in GIS and the Natural Resource Conservation Service website.

[1] Fall Kill Watershed Management Plan, October 2006, Page 5.

**Table 3: Characteristics of Soil Types within Project Area**

| % of SITE | SOIL SYMBOL | SOIL TYPE | SLOPES | DRAINAGE | DEPTH TO WATER TABLE (FEET) | DEPTH TO BEDROCK (INCHES) |
|---|---|---|---|---|---|---|
| | DwC | Dutchess-Cardigan complex, rolling, rocky | 5 to 16% | well | >6 | |
| | | Dutchess (40%) | | well | >6 | >60 |
| | | Cardigan (30%) | | well | >6 | 20 to 40 |
| | DxC | Dutchess-Cardigan-Urban Land complex, rolling, rocky | 5 to 16% | | | |
| | | Dutchess (25%) | | well | >6 | >60 |
| | | Cardigan (25%) | | well | >6 | 20 to 40 |
| | | Urban Land (25%) | | well | >2 | >10 |
| | Ud | Udorthents, smoothed | mostly 0 to 8% but 8 to 25% on sides of excavations & along highways | somewhat excessively to moderately well | >3.0 Nov-Jun | >60 |

Most of the site contains the Dutchess-Cardigan complex, rolling, rocky soil series (DwC). An area of the Dutchess-Cardigan-Urban Land complex soil series (DxC) exists along Milton Street, and an area of Udorthents soil series (Ud) exists in the southwest corner of the project parcel. The Dutchess soils and the Cardigan soils are well drained soils. The Udorthents soil series is a somewhat excessively to moderately well drained soil. Urban Land is described as areas covered by buildings, streets, parking lots and other impervious surfaces, which obscure soil identification, so that the actual identification of the soil is not determined for some portions of the site. The Dutchess soil series, the Cardigan soil series, and the Udorthents soil series all have a depth to water table of greater than 6 feet. Urban Land is described as areas covered by buildings, streets, parking lots and other impervious surfaces which obscure soil identification, so that the actual identification of the soil is not determined for some portions of the site. Therefore, the depth to water table for these areas is unknown and is assumed to be greater than 2 feet according to the Soil Survey.

According to the City of Poughkeepsie's Natural Resources Inventory (NRI) Report, the project site's bedrock geology is Graywacke and shale, which is considered less permeable than other types of bedrock found in the City of Poughkeepsie. The surficial geology of the site features bedrock outcrops. These rock outcrop areas are shown on the concept plan.

According to a geotechnical engineering report by Chazen for the previously approved site plan, groundwater was encountered in only one of eight borings.[2] These borings ranged in depth from 5.5 feet to 15.8 feet due to refusal at bedrock, with the exception of the northernmost boring in which refusal occurred at 2.5 feet. Thus, groundwater was generally deeper than 5.5 feet throughout most of the site. The report states that, "groundwater seepage into open excavations is not anticipated at this time, but that the contractor should be prepared to lower the groundwater table two feet below the base of excavations to provide a stable subgrade for construction activities and to maintain the integrity of the natural bearing soils."

If water is encountered above three feet below the surface, footings and footing drains will be designed in accordance with accepted construction practices to alleviate any problems associated with a high water table. With this practice, no significant impacts due to the presence of water above three feet below the surface are anticipated.

Rock encountered during the construction of the proposed residential development will be removed by mechanical methods (ripping), when possible. If blasting is determined to be necessary, all blasting operations will adhere to New York State and local ordinances governing the use of explosives. Proper program guidelines will be established between New York State, the City of Poughkeepsie and the blasting contractor prior to undertaking this activity. If blasting is required, it will be performed in accordance with New York State Department of Transportation (NYSDOT) Geotechnical Engineering Manual #22 "Procedures for Blasting" latest edition.

Based on this information, the proposed project will not result in any significant adverse impacts related to soils.

## 4.2 Water Resources

According to NYSDEC wetland and stream information available through GIS (Figure 6), the EAF Mapper, and Environmental Resource Map (Figure 7), there is a NYSDEC Class C stream, Fallkill Creek (Regulation 862-393) that travels along the western edge of the property, with approximately 200 linear feet located within the property boundary. Class C streams are not regulated by the NYSDEC. There are no regulated NYSDEC wetlands located on the property. There is a National Wetland Inventory (NWI) freshwater forested/shrub wetland (PFO1E) located on the western part of the site adjoining the area where the Fallkill Creek flows. The NWI identifies the Fallkill Creek as riverine (R3UBH).

Ecological Solutions conducted a site visit on October 15, 2020 to conduct a wetland delineation and habitat assessment. There are 0.776 acres of wetland (associated with the Fallkill Creek) located along the western site boundary. These wetlands are characterized as forested floodplain.

The Fall Kill is identified in the Natural Resources Inventory for the City of Poughkeepsie (referred to herein as the NRI Report) as a natural resource that supports or contributes to beautification, habitat, flood control, history, recreation and climate resilience. The project site is discussed throughout the document as a parcel, "that is undeveloped and contains streamside forests and wetlands within the floodplain. Due to the lack of channelization, this area floods readily without harming buildings or roads. It is an important

[2] *Geotechnical Engineering Report*, The Chazen Companies, September 14, 2005.

flood mitigation area as it is the only segment of the creek in the City of Poughkeepsie where flooding can naturally occur."[3] The Fall Kill is identified as a conservation priority in the NRI Report because it, "provides streamside habitats, helps to reduce and filter surface runoff, provides shading vegetation, and provides organic material that supports the food web and habitat structure of the stream."[4] Based on this rationale a priority conservation zone of 160 feet from the stream edge is recommended to increase habitat area and improve in-stream conditions.

Per Zoning Section 19-4.18, any structure or use of land for other than parking, recreation or open space shall be located not nearer than 30 feet to the top of the banks of the Fall Kill Creek. In addition, the City's PRD Zoning District (Zoning Section 19-3.18-4(h)), requires a buffer strip of at least 50 feet from the property line. The project complies with these requirements as an approximately 131 FT buffer is provided from the stream edge, which preserves the existing habitat without fragmentation. The proposed project will not impact wetlands and the development area is located approximately 146 – 160 feet away from the Creek. Furthermore, with the implementation of the Stormwater Pollution Prevention Plan (SWPPP) no significant adverse impacts to wetlands or to the NYSDEC Fallkill Creek will occur as part of the proposed action.

### 4.3 Floodplain

The property is identified in the NRI Report as one of the last remaining areas within the City of Poughkeepsie where the Fall Kill is not channelized and is permitted to flood naturally. This section of the Fall Kill is identified as a significant habitat area that provides important flood retention due to the undeveloped forested riparian buffer. The NRI Report explains that during flood events the Fall Kill may overflow into these wetlands, which are located within the flood hazard area or 100-year floodplain. According to the NRI Report, "flooding helps to slow down water, recharge groundwater and increase water quality by letting particulates settle out instead of being carried downstream."[5] According to FEMA Community Panel Number 36027C0358E information (effective 5/12/2012) available through GIS (Figure 6), an area abutting the Fallkill Creek is located within Zone AE (100-year floodplain) or special flood hazard area. The floodplain area is identified on the site plan. Some grading (no construction) may occur within the 100-year floodplain; therefore, a floodplain development permit will be sought. There will be a substantial buffer and distance between the proposed development and the Fall Kill and the implementation of the SWPPP will ensure that no significant adverse impacts to the floodplain will occur.

## 5.0 UTILITIES

### 5.1 Water and Wastewater

Municipal water and sewer service currently serve the project site. According to the New York State Department of Environmental Conservation (NYSDEC) *Design Standards for Intermediate Sized Wastewater Treatment Systems,* March 2014, the proposed project is expected to require water usage of

[3] The Environmental Cooperative at Vassar Barns. *Natural Resources Inventory for the City of Poughkeepsie*. 2019. Page 10.
[4] The Environmental Cooperative at Vassar Barns. *Natural Resources Inventory for the City of Poughkeepsie*. 2019. Page 73.
[5] The Environmental Cooperative at Vassar Barns. *Natural Resources Inventory for the City of Poughkeepsie*. 2019. Page 46.

11,410± gallons per day. It is anticipated that the City's municipal water system has capacity to serve the proposed use. The Grading and Utility plan (C140) shows a proposed water tap at the 8" water main available at Milton Street. The previous analysis, submitted for the previously proposed 120-unit project approved in 2006, indicated that sufficient pressure and capacity exists to serve the proposed 63-unit project. The Engineer's Report for the water system will be updated to identify current system conditions with regards to static and residual pressure. Sprinkler pressures and flow rates will be identified to assess flow capabilities at the proposed hydrants. Consultation with the Fire Chief will be undertaken at that time as well.

The Grading and Utility plan (C140) shows a sanitary sewer connection to the existing sanitary sewer main that passes through the site. The previous analysis, submitted for the previously proposed 120-unit project approved in 2006, indicated that sufficient capacity exists to serve the proposed 63-unit project. The Engineer's Report for the sanitary sewer will be updated to identify the conditions of the existing sewer main and its capacity during peak flow from the proposed connection point downstream along the Fallkill Creek through to Mansion Street.

**Table 4: Anticipated Water Usage/Wastewater Generation**

| Type of Use | Units | Gallons per Day | Anticipated Use/Generation |
|---|---|---|---|
| Apartment | Per bedroom | 110 | 31 one-bedroom = 3,410 gpd<br>32 two-bedroom units = 7,040 gpd |
| Pool | Per swimmer[1] | 10 | Approximately 720 SF pool = 48 swimmers<br>48 swimmers x 10 = 480 gpd |
| Pool House | Per swimmer | 10 | 48 swimmers x 10 = 480 gpd |
| | | | **Total = 11,410 gpd** |

[1] Based on NYS Sanitary Code Subpart 6-1, which requires a minimum of 15 SF of pool surface area per swimmer for a shallow pool.

### 5.2 Stormwater

The proposed project will require greater than one acre of disturbance and will require coverage under the State Pollutant Discharge Elimination System (SPDES) General Permit for Stormwater Discharges from Construction Activity. A SWPPP will be prepared in conformance with the most current New York State Stormwater Management Design Manual and New York State Standards and Specifications for Erosion and Sediment Control. The Grading and Utility Plan (C140) shows the stormwater being conveyed via swales and subsurface piping to an on-site stormwater bioretention basin. The treated water will outflow to the Fallkill Creek. Therefore, the proposed project is not expected to result in any adverse impacts in regard to stormwater.

## 6.0 TRAFFIC AND PARKING

### 6.1 Traffic

The project would feature two one-way access drives across from Fitchett Street and West Arnold Road. This would distribute traffic between the two access points, rather than concentrating traffic at any one location. Site traffic will then use Mansion Street to disperse travel to the north, south, east, and west. Other local roads likely to be used by site traffic include Corlies Avenue, Pershing Avenue, Innis Avenue, and Smith Street.

Dutchess County's PRL Bus Line is conveniently routed through the neighboring Mountain Brook Apartments. Several routes including the B, E and F travel along the East West Arterial, approximately ½ mile south of the site.

The *Trip Generation Manual, 10th Edition* published by the Institute of Transportation Engineers (ITE) is the industry-standard resource for estimating the traffic generated by various types of land uses and it was used to estimate the site generated trips for this project. Based on data for Multifamily Housing-Mid Rise (Land Use Code 221), the proposed project will generate 22 total trips in the weekday morning and 28 total trips in the evening peak periods, See Table 5. This is a minimum amount of traffic that will be added to the surrounding roadway network, representing about 1 trip every 3 to 10 minutes for the entering and exiting movements.

**Table 5: Estimated Traffic Generation**

| Land Use | AM Peak Hour Trips Entering the Site | AM Peak Hour Trips Exiting the Site | Total AM Peak Trips added to Adjacent Street Traffic | PM Peak Hour Trips Entering the Site | PM Peak Hour Trips Exiting the Site | Total PM Peak Trips added to Adjacent Street Traffic |
|---|---|---|---|---|---|---|
| Multifamily Housing (Mid-Rise) Land Use Code 221 | 6 | 16 | 22 | 17 | 11 | 28 |

Note: Analysis uses 63 dwelling units and the fitted curve equation in the ITE Manual to determine the AM and PM peak hour trip generation.

A traffic impact study was completed in 2005 for this project. At that time, the project consisted of 163 units and was estimated to generate 76 and 90 total trips for the weekday morning and afternoon peak periods. The traffic study concluded that the project at 163 units would have minimal impact as the studied intersections would continue to operate at acceptable levels of service. Therefore, at the currently proposed 63-units with reduced volumes this project will also have minimal traffic impacts. No improvements are needed.

Additionally, historic traffic volumes collected on roadways in the vicinity of the site were reviewed using NYSDOT's *Traffic Data Viewer*. The data shows that volumes for Mansion Street, Corlies Avenue, Innis Avenue, and Smith Street have decreased between 2012 and 2019 on the order of 1% to 15%. This is further indication that the surrounding roadways expected to serve the proposed project have the capacity available to accommodate the site traffic.

## 6.2 Parking

The proposed project is required to provide 123 parking spaces per Section 19-4.3 of the City's Zoning Ordinance. As shown in Table 6, the proposed project will provide 124 parking spaces.

**Table 6: Multifamily Buildings – Required and Proposed Parking**

| Required | | Proposed |
|---|---|---|
| **1.5 spaces for each 1-bedroom apartment**; | 31 one-bedroom units = 47 parking spaces | 124 parking spaces |
| **2.0 spaces for each 2-bedroom or larger apartment**; | 32 two-bedroom units = 64 parking spaces | |
| **Additional 10% of the total required spaces for visitor parking** | 10% of 111 parking spaces = 11.1 spaces | |
| **Total** | Total Required Parking = 123 parking spaces | |

# 7.0 VEGETATION AND WILDLIFE

## 7.1 Endangered, Threatened, and Rare Species and Significant Habitat

According to the NRI Report, the project site is home to several habitats, including upland shrubland, upland hardwood forest, upland mixed forest and hardwood swamp in addition to wetland and stream areas. Table 7 presents a brief description of these habitats based on information found in the report.

**Table 7: Habitat Types on the Project Site**

| Specific Habitat Type | Brief Description |
|---|---|
| Upland Shrubland | Open (nonforested) area with shrubs making up >20% of ground cover |
| Upland Hardwood Forest | Non-wetland forest dominated by hardwood trees (conifers make up 25% of canopy) |
| Upland Mixed Forest | Non-wetland forest with a mix of hardwoods and conifers (conifers make up 25-75% of canopy) |
| Hardwood Swamp | Wetland (identified by predominance of hydrophytic vegetation) dominated by trees and/or shrubs |

According to the NRI Report, "the Fall Kill is highly impacted by channelization and pollution, nonetheless it continues to serve as an important habitat for migratory fish species such as the American eel and river herring." The Upland Hardwood Forest, which currently dominates the site, is described as a habitat that is also important for cooling derived from shade, carbon sequestration, reducing stormwater runoff, and improvement of air quality. According to the NYSDEC Environmental Resource Map (Figure 7), there are known occurrences of the Blanding's Turtle (State listed threatened species) on or in the vicinity of the project site. In a January 21, 2020 letter the NYSDEC stated that they have no records of rare or state-listed animals or plants, or significant natural communities at the project site. The letter also explained that within 0.8 mile of the project site is a documented location of Blanding's Turtle (Emydoidea blandingii, state listed as Threatened). The turtles may travel 0.8 mile or more from documented locations. There is no NYSDEC Significant Natural Community identified on the project site.

According to the US Fish & Wildlife Service (USFWS) Information for Planning and Consultation[6] (Attachment B), there is potential for the Indiana Bat (endangered) on or in the vicinity of the project site.

The project site is identified in Map 4.4, "Habitat Envelopes and Potential Corridors" within the NRI Report as a Significant Habitat Area. The Report states that, "if new development in these areas cannot be avoided, it should be concentrated near the edges and near existing roads and other development so that as much habitat area as possible is preserved without fragmentation."[7]

Ecological Solutions, LLC completed a threatened and endangered species habitat suitability assessment on October 15, 2020 to assess the existing habitat on site, potential impacts, and possible mitigation for impacts and conservation of the listed species (see Attachment B). Table 8 identifies the habitat that was observed on the site:

**Table 8: Habitat Cover Types Identified on the Site**

| Description | Coverage (acres) | Disturbance (acres) |
|---|---|---|
| Fall Kill Creek | 1.0 | 0 |
| Rich Mesophytic Forest | 4.7 | 2.5 |
| Upland Meadow | 2.8 | 0 |

Rich Mesophytic Forest: The site slopes generally contain rich mesophytic forest upslope of the Fallkill Creek. The dominant trees include a mixture of the following: red maple (Acer rubrum), white ash Fraxinus americana), red oak (Quercus rubra), and black oak (Q. velutina). There is a subcanopy stratum of small trees and tall shrubs dominated by flowering dogwood (Cornus florida), red maple, and black cherry (Prunus serotina). The overstory trees are generally large in the 12 to 24+ inch range with several larger oaks and other tree species on the site. Debris/trash is located in areas throughout the forest.

Fallkill Creek: The Fallkill Creek and associated wetland fringe is located along and is part of the western site boundary. The wetland fringe associated with the Creek is forested floodplain.

Upland Meadow: Within the forested area are openings or pockets upland meadow.

**Blanding's Turtle**

Blanding's turtles are a mobile species that utilize a variety of wetland and upland habitats for nesting, foraging, overwintering, and drought refuges. Characteristics that indicate core habitat are: shrubby pools/ponds with permanent or intermittent hydroperiod with little flow through; high water depths of 0.5–4.0 feet; tree canopy open or absent; tree fringe present; and a dense cover of shrubs, forbs, lemnids or nymphaeids, with coarse and fine organic debris. In addition to core wetlands it is known that Blanding's turtles use a complex of habitat types during different periods in their life cycle. According to the NYSDEC it is a semi-aquatic species that uses a variety of wetland and upland habitats. Wetland habitat usage by Blanding's turtles includes different types of freshwater systems such as emergent marshes, woodland pools, red maple swamps, buttonbush kettle-holes, ponds including excavated ponds, lakes, rivers, and streams. Juvenile Blanding's are normally associated with shallower water and more densely

[6] Note there is no federal action involved so a formal consultation under Section 7 is not required.
[7] The Environmental Cooperative at Vassar Barns. *Natural Resources Inventory for the City of Poughkeepsie.* 2019. Page 221 or page 85 of Appendix A.

vegetated habitats as compared to that of adults. Open meadows especially with Hoosic gravelly soils are preferred nesting habitats. Upland forest area provides shade during turtle travel and migration.

Based on information gathered during the Habitat Assessment, there is no core habitat on/or immediately adjacent to the site. There are no mapped Hoosic soils on the site. Hoosic soils are associated with turtle nesting when covered by low growing sparsely vegetated upland meadow/agriculture area. The Fallkill Creek may have been utilized in the distant past by this species in some capacity for travel and dispersal but today is unlikely due to the extensive development in this area of the City of Poughkeepsie and lack of potential habitat as a destination. There are no impacts to this species since there is no potential habitat on the site or in the vicinity of the site.

**Indiana Bats**

The bats typically hibernate in caves/mines in the winter and roosts under bark or in tree crevices in the spring, summer, and fall. The hibernacula - Williams Lake Complex is about 10 miles from the site. Suitable potential summer roosting habitat is characterized by trees (dead, dying, or alive) or snags with exfoliating or defoliating bark, or containing cracks or crevices that could potentially be used by Indiana bats as a roost. The minimum diameter of roost trees observed to date is 2.5 inches for males and 4.3 inches for females. However, maternity colonies generally use trees greater than or equal to 9 inches dbh. Overall, roost tree structure appears to be more important to Indiana bats than a particular tree species or habitat type. Females appear to be more habitat specific than males presumably because of the warmer temperature requirements associated with gestation and rearing of young. As a result, they are generally found at lower elevations than males may be found. Roosts are warmed by direct exposure to solar radiation, thus trees exposed to extended periods of direct sunlight are preferred over those in shaded areas. However, shaded roosts may be preferred in very hot conditions. As larger trees afford a greater thermal mass for heat retention, they appear to be preferred over smaller trees. Streams associated with floodplain forests, and impounded water bodies (ponds, wetlands, reservoirs, etc.) where abundant supplies of flying insects are likely found provide preferred foraging habitat for Indiana bats, some of which may fly up to 2-5 miles from upland roosts on a regular basis. Indiana bats also forage within the canopy of upland forests, over clearings with early successional vegetation (e.g., old fields), along the borders of croplands, along wooded fencerows, and over farm ponds in pastures. While Indiana Bats appear to forage in a wide variety of habitats, they seem to tend to stay fairly close to tree cover. The rich mesophytic forest described in Table 8 occupies about 4.7 acres of the 8.7 acres site. This forested area contains many large trees in the 24+ inch dbh range with some containing holes and crevices that could provide foraging habitat for this species.

Construction of the project will occur over a 6 month - 1 year period. Activities during construction will include grading and earth-moving, building construction, addition of electric lights, increasing impervious surface area and altering site drainage will occur. The project may result in direct and indirect effects on Indiana bats by altering the quality and quantity of their summer habitat including removing trees, generating noise during construction, and creating visual disturbances. There will be an increase in vehicular traffic, parking, and maintenance activities which are anticipated effects from construction and operation of the project to bats.

Since the USFWS list of species for the site indicated that the site is within the range of the threatened/endangered bat, the Applicant will incorporate the following conservation measures to ensure no impact occurs to this species.

Effects from Tree Clearing: Clearing activities could have an adverse impact on foraging and roosting activities. Such impacts will be avoided by conducting all clearing during winter months when bats will be in hibernation off site. Proposed clearing for the project will remove ±2.5 acres of forested habitat. The project will avoid impacts by:

- Implementing tree clearing for site activities during timeframes when bats are not resident on the site October 1 – to March 31 or unless approved by the NYSDEC outside this timeframe, and

- Prior to clearing, the limits of proposed clearing will be clearly demarcated on the site with orange construction fencing (or similar) to prevent inadvertent overclearing of the site since about 2.3 acres of forested habitat will remain.

Effects from Lighting: Site lighting is anticipated after development of the site. To avoid impacts to foraging or roosting bats street lighting on the site will use City of Poughkeepsie Planning Board approved light fixtures that have tops that direct light down to minimize light pollution and not interfere with potential bat foraging activities. These measures will result in minimizing potential adverse effects to Indiana bats so that adverse effects to this species are deemed unlikely.

As explained in earlier sections, a large buffer (131 feet) and distance (146 – 160 feet away) will separate the Fall Kill Creek from the proposed development. Based on the information provided above, no significant adverse impacts will occur to vegetation and wildlife. This information will be provided to NYSDEC.

## 8.0 HISTORIC AND ARCHEOLOGICAL RESOURCES

According to the NYS Office of Parks, Recreation, and Historic Preservation (NYSOPRHP) Cultural Resource Information System (CRIS) mapping (Figure 8), the project site does not contain and is not adjacent to any National or State Historic Register sites or any sites that were determined to be eligible for listing on the National or State Historic Register. The CRIS mapping indicates that the project site is partially located within a known archeologically sensitive area. Consultation will be undertaken with NYSOPRHP and project information and plans will be uploaded to the CRIS system for their review.

# FULL ENVIRONMENTAL ASSESSMENT FORM (FEAF) PART 1 FORM

## Instructions for Completing Part 1

**Part 1 is to be completed by the applicant or project sponsor.** Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification.

Complete Part 1 based on information currently available. If additional research or investigation would be needed to fully respond to any item, please answer as thoroughly as possible based on current information; indicate whether missing information does not exist, or is not reasonably available to the sponsor; and, when possible, generally describe work or studies which would be necessary to update or fully develop that information.

Applicants/sponsors must complete all items in Sections A & B. In Sections C, D & E, most items contain an initial question that must be answered either "Yes" or "No". If the answer to the initial question is "Yes", complete the sub-questions that follow. If the answer to the initial question is "No", proceed to the next question. Section F allows the project sponsor to identify and attach any additional information. Section G requires the name and signature of the applicant or project sponsor to verify that the information contained in Part 1is accurate and complete.

**A. Project and Applicant/Sponsor Information.**

| | | |
|---|---|---|
| Name of Action or Project:<br>Highview at the Fallkill Creek | | |
| Project Location (describe, and attach a general location map):<br>Milton Street, City of Poughkeepsie, Dutchess County, New York | | |
| Brief Description of Proposed Action (include purpose or need):<br>The Applicant and owner, Maselo Realty, LLC, is proposing the rezoning of an 8.713-acre tax parcel on Milton Street in the City of Poughkeepsie from Medium Low-Density Residential (R-2) to Planned Residential Development (PRD) for the construction of a 63-apartment unit clustered multifamily development within two buildings with two accesses off Milton Street. The parcel is identified as parcel number 131300-6162-73-623227 on the City of Poughkeepsie Tax Map. The Town of Poughkeepsie abuts the eastern edge of the property. The parcel is currently undeveloped and zoned for Medium Low-Density Residential (R-2) within which multifamily development is not permitted. Therefore, to facilitate the proposed project, the Applicant is petitioning the City for a rezoning of the property from R-2 to PRD by the Common Council. Upon completion of the rezoning, the Applicant will seek site plan approval from the Planning Board. | | |
| Name of Applicant/Sponsor:<br>Maselo Realty, LLC (Nate Abikhzer) | Telephone: 845-341-7395<br>E-Mail: nateabikhzer@gmail.com | |
| Address: 18 Eastview Road | | |
| City/PO: Monsey | State: NY | Zip Code: 10952 |
| Project Contact (if not same as sponsor; give name and title/role): | Telephone:<br>E-Mail: | |
| Address: | | |
| City/PO: | State: | Zip Code: |
| Property Owner (if not same as sponsor): | Telephone:<br>E-Mail: | |
| Address: | | |
| City/PO: | State: | Zip Code: |

**B. Government Approvals**

**B. Government Approvals, Funding, or Sponsorship.** ("Funding" includes grants, loans, tax relief, and any other forms of financial assistance.)

| Government Entity | If Yes: Identify Agency and Approval(s) Required | Application Date (Actual or projected) |
|---|---|---|
| a. City Counsel, Town Board, or Village Board of Trustees ☑Yes ☐No | City of Poughkeepsie Common Council - Rezoning to PRD | Oct 2019 |
| b. City, Town or Village Planning Board or Commission ☑Yes ☐No | City of Poughkeepsie Planning Board - Site Plan Approval | Oct 2019 |
| c. City, Town or Village Zoning Board of Appeals ☑Yes ☐No | City of Poughkeepsie Zoning Board of Appeals - Area Variances | To be determined |
| d. Other local agencies ☑Yes ☐No | City Engineering Dept. - Curb Cut approval; City Zoning Administrator - Floodplain development | To be determined |
| e. County agencies ☑Yes ☐No | Dutchess County Planning Department - GML 239m Referral; Health Department - Utility Conn. | To be determined |
| f. Regional agencies ☐Yes ☑No | | |
| g. State agencies ☑Yes ☐No | NYS Department of Environmental Conservation GP-0-15-002 | To be determined |
| h. Federal agencies ☐Yes ☑No | | |

i. Coastal Resources.

*i.* Is the project site within a Coastal Area, or the waterfront area of a Designated Inland Waterway? ☐Yes ☑No

*ii.* Is the project site located in a community with an approved Local Waterfront Revitalization Program? ☐Yes ☑No

*iii.* Is the project site within a Coastal Erosion Hazard Area? ☐Yes ☑No

**C. Planning and Zoning**

**C.1. Planning and zoning actions.**

Will administrative or legislative adoption, or amendment of a plan, local law, ordinance, rule or regulation be the only approval(s) which must be granted to enable the proposed action to proceed? ☐Yes ☑No

- **If Yes,** complete sections C, F and G.
- **If No,** proceed to question C.2 and complete all remaining sections and questions in Part 1

**C.2. Adopted land use plans.**

a. Do any municipally- adopted (city, town, village or county) comprehensive land use plan(s) include the site where the proposed action would be located? ☑Yes ☐No

If Yes, does the comprehensive plan include specific recommendations for the site where the proposed action would be located? ☐Yes ☑No

b. Is the site of the proposed action within any local or regional special planning district (for example: Greenway; Brownfield Opportunity Area (BOA); designated State or Federal heritage area; watershed management plan; or other?) ☐Yes ☐No

If Yes, identify the plan(s):

Hudson River National Heritage Area; Fall Kill Watershed Management Plan, October 2006; Dutchess County Hudson River Valley Greenway Compact Plan, 2000

c. Is the proposed action located wholly or partially within an area listed in an adopted municipal open space plan, or an adopted municipal farmland protection plan? ☐Yes ☑No

If Yes, identify the plan(s):

**C.3. Zoning**

a. Is the site of the proposed action located in a municipality with an adopted zoning law or ordinance. ☑ Yes ☐ No
If Yes, what is the zoning classification(s) including any applicable overlay district?
The site is zoned for medium low-density residential (R-2).

b. Is the use permitted or allowed by a special or conditional use permit? ☐ Yes ☐ No
Not applicable. Applicant is seeking a rezoning to Planned Residential Development District.

c. Is a zoning change requested as part of the proposed action? ☑ Yes ☐ No
If Yes,
*i.* What is the proposed new zoning for the site? Rezoning to Planned Residential Development District

**C.4. Existing community services.**

a. In what school district is the project site located? Poughkeepsie City School District

b. What police or other public protection forces serve the project site?
City of Poughkeepsie Police Department with support from Dutchess County Sheriff's Department and NYS Police

c. Which fire protection and emergency medical services serve the project site?
City of Poughkeepsie Fire Department

d. What parks serve the project site?
Mansion Square Park

**D. Project Details**

**D.1. Proposed and Potential Development**

a. What is the general nature of the proposed action (e.g., residential, industrial, commercial, recreational; if mixed, include all components)? Residential apartments

b. a. Total acreage of the site of the proposed action? 8.713 acres
b. Total acreage to be physically disturbed? 3.7 acres
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? 8.713 acres

c. Is the proposed action an expansion of an existing project or use? ☐ Yes ☑ No
*i.* If Yes, what is the approximate percentage of the proposed expansion and identify the units (e.g., acres, miles, housing units, square feet)? % _____ Units: _____

d. Is the proposed action a subdivision, or does it include a subdivision? ☐ Yes ☑ No
If Yes,
*i.* Purpose or type of subdivision? (e.g., residential, industrial, commercial; if mixed, specify types)
*ii.* Is a cluster/conservation layout proposed? ☐ Yes ☐ No
*iii.* Number of lots proposed? _____
*iv.* Minimum and maximum proposed lot sizes? Minimum _____ Maximum _____

e. Will the proposed action be constructed in multiple phases? ☐ Yes ☑ No
*i.* If No, anticipated period of construction: 12 months
*ii.* If Yes:
- Total number of phases anticipated _____
- Anticipated commencement date of phase 1 (including demolition) _____ month _____ year
- Anticipated completion date of final phase _____ month _____year
- Generally describe connections or relationships among phases, including any contingencies where progress of one phase may determine timing or duration of future phases: _____

f. Does the project include new residential uses? ☑ Yes ☐ No

If Yes, show numbers of units proposed.

| | One Family | Two Family | Three Family | Multiple Family (four or more) |
|---|---|---|---|---|
| Initial Phase | _____ | _____ | _____ | 63 Apartments |
| At completion of all phases | _____ | _____ | _____ | _____ |

g. Does the proposed action include new non-residential construction (including expansions)? ☐ Yes ☑ No

If Yes,

*i.* Total number of structures _____

*ii.* Dimensions (in feet) of largest proposed structure: _____height; _____width; and _____ length

*iii.* Approximate extent of building space to be heated or cooled: _____ square feet

h. Does the proposed action include construction or other activities that will result in the impoundment of any liquids, such as creation of a water supply, reservoir, pond, lake, waste lagoon or other storage? ☐ Yes ☑ No

If Yes,

*i.* Purpose of the impoundment: _____

*ii.* If a water impoundment, the principal source of the water: ☐ Ground water ☐ Surface water streams ☐ Other specify:

_____

*iii.* If other than water, identify the type of impounded/contained liquids and their source.

_____

*iv.* Approximate size of the proposed impoundment. Volume: _____ million gallons; surface area: _____ acres

*v.* Dimensions of the proposed dam or impounding structure: _____ height; _____ length

*vi.* Construction method/materials for the proposed dam or impounding structure (e.g., earth fill, rock, wood, concrete):

_____

**D.2. Project Operations**

a. Does the proposed action include any excavation, mining, or dredging, during construction, operations, or both? (Not including general site preparation, grading or installation of utilities or foundations where all excavated materials will remain onsite) ☐ Yes ☑ No

If Yes:

*i* .What is the purpose of the excavation or dredging? _____

*ii.* How much material (including rock, earth, sediments, etc.) is proposed to be removed from the site?

- Volume (specify tons or cubic yards): _____
- Over what duration of time? _____

*iii.* Describe nature and characteristics of materials to be excavated or dredged, and plans to use, manage or dispose of them.

_____

_____

i*v.* Will there be onsite dewatering or processing of excavated materials? ☐ Yes ☐ No

If yes, describe. _____

_____

*v.* What is the total area to be dredged or excavated? _____acres

*vi.* What is the maximum area to be worked at any one time? _____ acres

*vii.* What would be the maximum depth of excavation or dredging? _____ feet

*viii.* Will the excavation require blasting? ☐ Yes ☐ No

*ix.* Summarize site reclamation goals and plan: _____

_____

_____

b. Would the proposed action cause or result in alteration of, increase or decrease in size of, or encroachment into any existing wetland, waterbody, shoreline, beach or adjacent area? ☐ Yes ☑ No

If Yes:

*i.* Identify the wetland or waterbody which would be affected (by name, water index number, wetland map number or geographic description): _____

_____

*ii.* Describe how the proposed action would affect that waterbody or wetland, e.g. excavation, fill, placement of structures, or alteration of channels, banks and shorelines. Indicate extent of activities, alterations and additions in square feet or acres:

_____

_____

_____

_____

*iii.* Will the proposed action cause or result in disturbance to bottom sediments? ☐ Yes ☐ No

If Yes, describe: _____

*iv.* Will the proposed action cause or result in the destruction or removal of aquatic vegetation? ☐ Yes ☐ No

If Yes:

- acres of aquatic vegetation proposed to be removed: _____
- expected acreage of aquatic vegetation remaining after project completion: _____
- purpose of proposed removal (e.g. beach clearing, invasive species control, boat access): _____

_____

- proposed method of plant removal: _____
- if chemical/herbicide treatment will be used, specify product(s): _____

*v.* Describe any proposed reclamation/mitigation following disturbance: _____

_____

c. Will the proposed action use, or create a new demand for water? ☑ Yes ☐ No

If Yes:

*i.* Total anticipated water usage/demand per day: 11,410 gallons/day

*ii.* Will the proposed action obtain water from an existing public water supply? ☑ Yes ☐ No

If Yes:

- Name of district or service area: City of Poughkeepsie
- Does the existing public water supply have capacity to serve the proposal? ☑ Yes ☐ No
- Is the project site in the existing district? ☑ Yes ☐ No
- Is expansion of the district needed? ☐ Yes ☑ No
- Do existing lines serve the project site? ☑ Yes ☐ No

*iii.* Will line extension within an existing district be necessary to supply the project? ☐ Yes ☑ No

If Yes:

- Describe extensions or capacity expansions proposed to serve this project: _____

_____

- Source(s) of supply for the district: _____

*iv.* Is a new water supply district or service area proposed to be formed to serve the project site? ☐ Yes ☑ No

If, Yes:

- Applicant/sponsor for new district: _____
- Date application submitted or anticipated: _____
- Proposed source(s) of supply for new district: _____

*v.* If a public water supply will not be used, describe plans to provide water supply for the project: _____

_____

*vi.* If water supply will be from wells (public or private), what is the maximum pumping capacity: _____ gallons/minute.

d. Will the proposed action generate liquid wastes? ☑ Yes ☐ No

If Yes:

*i.* Total anticipated liquid waste generation per day: 11,410 gallons/day

*ii.* Nature of liquid wastes to be generated (e.g., sanitary wastewater, industrial; if combination, describe all components and approximate volumes or proportions of each): _____

Sanitary wastewater

_____

*iii.* Will the proposed action use any existing public wastewater treatment facilities? ☑ Yes ☐ No

If Yes:

- Name of wastewater treatment plant to be used: City of Poughkeepsie Sewage Treatment Plant
- Name of district: City of Poughkeepsie
- Does the existing wastewater treatment plant have capacity to serve the project? ☑ Yes ☐ No
- Is the project site in the existing district? ☑ Yes ☐ No
- Is expansion of the district needed? ☐ Yes ☑ No

- Do existing sewer lines serve the project site? ☑ Yes ☐ No
- Will a line extension within an existing district be necessary to serve the project? ☐ Yes ☑ No

If Yes:

- Describe extensions or capacity expansions proposed to serve this project: _____

*iv.* Will a new wastewater (sewage) treatment district be formed to serve the project site? ☐ Yes ☑ No

If Yes:

- Applicant/sponsor for new district: _____
- Date application submitted or anticipated: _____
- What is the receiving water for the wastewater discharge? _____

*v.* If public facilities will not be used, describe plans to provide wastewater treatment for the project, including specifying proposed receiving water (name and classification if surface discharge or describe subsurface disposal plans):

_____

*vi.* Describe any plans or designs to capture, recycle or reuse liquid waste: _____

e. Will the proposed action disturb more than one acre and create stormwater runoff, either from new point sources (i.e. ditches, pipes, swales, curbs, gutters or other concentrated flows of stormwater) or non-point source (i.e. sheet flow) during construction or post construction? ☑ Yes ☐ No

If Yes:

*i.* How much impervious surface will the project create in relation to total size of project parcel?

_____ Square feet or 1.82 acres (impervious surface)

_____ Square feet or 8.713 acres (parcel size)

*ii.* Describe types of new point sources. Subsurface piping and outflow.

*iii.* Where will the stormwater runoff be directed (i.e. on-site stormwater management facility/structures, adjacent properties, groundwater, on-site surface water or off-site surface waters)?

Stormwater will be conveyed via swales and subsurface piping to an on-site stormwater bioretention basin. The treated water will outflow to the Fallkill Creek.

- If to surface waters, identify receiving water bodies or wetlands: Fallkill Creek
- Will stormwater runoff flow to adjacent properties? ☐ Yes ☑ No

*iv.* Does the proposed plan minimize impervious surfaces, use pervious materials or collect and re-use stormwater? ☑ Yes ☐ No

f. Does the proposed action include, or will it use on-site, one or more sources of air emissions, including fuel combustion, waste incineration, or other processes or operations? ☑ Yes ☐ No

If Yes, identify:

*i.* Mobile sources during project operations (e.g., heavy equipment, fleet or delivery vehicles)

*ii.* Stationary sources during construction (e.g., power generation, structural heating, batch plant, crushers)

Temporary impacts during construction.

*iii.* Stationary sources during operations (e.g., process emissions, large boilers, electric generation)

Natural gas, boilers

g. Will any air emission sources named in D.2.f (above), require a NY State Air Registration, Air Facility Permit, or Federal Clean Air Act Title IV or Title V Permit? ☐ Yes ☑ No

If Yes:

*i.* Is the project site located in an Air quality non-attainment area? (Area routinely or periodically fails to meet ambient air quality standards for all or some parts of the year) ☐ Yes ☐ No

*ii.* In addition to emissions as calculated in the application, the project will generate:

- _____Tons/year (short tons) of Carbon Dioxide ($CO_2$)
- _____Tons/year (short tons) of Nitrous Oxide ($N_2O$)
- _____Tons/year (short tons) of Perfluorocarbons (PFCs)
- _____Tons/year (short tons) of Sulfur Hexafluoride ($SF_6$)
- _____Tons/year (short tons) of Carbon Dioxide equivalent of Hydroflourocarbons (HFCs)
- _____Tons/year (short tons) of Hazardous Air Pollutants (HAPs)

h. Will the proposed action generate or emit methane (including, but not limited to, sewage treatment plants, landfills, composting facilities)? ☐Yes ☑No

If Yes:

*i.* Estimate methane generation in tons/year (metric): _____

*ii.* Describe any methane capture, control or elimination measures included in project design (e.g., combustion to generate heat or electricity, flaring): _____

_____

i. Will the proposed action result in the release of air pollutants from open-air operations or processes, such as quarry or landfill operations? ☐Yes ☑No

If Yes: Describe operations and nature of emissions (e.g., diesel exhaust, rock particulates/dust):

_____

_____

j. Will the proposed action result in a substantial increase in traffic above present levels or generate substantial new demand for transportation facilities or services? ☐Yes ☑No

If Yes:

*i.* When is the peak traffic expected (Check all that apply): ☐ Morning ☐ Evening ☐Weekend ☐ Randomly between hours of _____ to _____.

*ii.* For commercial activities only, projected number of truck trips/day and type (e.g., semi trailers and dump trucks): _____

_____

*iii.* Parking spaces: Existing _____ Proposed _____ Net increase/decrease _____

*iv.* Does the proposed action include any shared use parking? ☐Yes ☐No

*v.* If the proposed action includes any modification of existing roads, creation of new roads or change in existing access, describe:

_____

*vi.* Are public/private transportation service(s) or facilities available within ½ mile of the proposed site? ☐Yes ☐No

*vii* Will the proposed action include access to public transportation or accommodations for use of hybrid, electric or other alternative fueled vehicles? ☐Yes ☐No

*viii*. Will the proposed action include plans for pedestrian or bicycle accommodations for connections to existing pedestrian or bicycle routes? ☐Yes ☐No

k. Will the proposed action (for commercial or industrial projects only) generate new or additional demand for energy? ☐Yes ☑No

If Yes:

*i.* Estimate annual electricity demand during operation of the proposed action: _____

_____

*ii.* Anticipated sources/suppliers of electricity for the project (e.g., on-site combustion, on-site renewable, via grid/local utility, or other):

_____

*iii.* Will the proposed action require a new, or an upgrade, to an existing substation? ☐Yes ☐No

l. Hours of operation. Answer all items which apply.

*i.* During Construction:

- Monday - Friday: Approximately 6:30 AM to 9:00 PM
- Saturday: Approximately 6:30 AM to 9:00 PM
- Sunday: None
- Holidays: None

*ii.* During Operations:

- Monday - Friday: 24 hours
- Saturday: 24 hours
- Sunday: 24 hours
- Holidays: 24 hours

m. Will the proposed action produce noise that will exceed existing ambient noise levels during construction, operation, or both? ☑ Yes ☐ No

If yes:

*i.* Provide details including sources, time of day and duration:

Temporary noise generated during construction activities will be limited to weekdays 6:30 AM to 9 PM.

*ii.* Will the proposed action remove existing natural barriers that could act as a noise barrier or screen? ☑ Yes ☐ No

Describe: The majority of the site is undeveloped wooded area. Approximately 2.246 acres will be cleared; Landscaping pursuant to Zoning Ordinance requirements will be implemented.

n. Will the proposed action have outdoor lighting? ☑ Yes ☐ No

If yes:

*i.* Describe source(s), location(s), height of fixture(s), direction/aim, and proximity to nearest occupied structures:

To be determined

*ii.* Will proposed action remove existing natural barriers that could act as a light barrier or screen? ☑ Yes ☐ No

Describe: The majority of the site is undeveloped wooded area. Approximately 2.246 acres will be cleared; Lighting pursuant to Zoning Ordinance requirements will be implemented.

o. Does the proposed action have the potential to produce odors for more than one hour per day? ☐ Yes ☑ No

If Yes, describe possible sources, potential frequency and duration of odor emissions, and proximity to nearest occupied structures: _____

p. Will the proposed action include any bulk storage of petroleum (combined capacity of over 1,100 gallons) or chemical products 185 gallons in above ground storage or any amount in underground storage? ☐ Yes ☑ No

If Yes:

*i.* Product(s) to be stored _____

*ii.* Volume(s) _____ per unit time _____ (e.g., month, year)

*iii.* Generally, describe the proposed storage facilities:_____

q. Will the proposed action (commercial, industrial and recreational projects only) use pesticides (i.e., herbicides, insecticides) during construction or operation? ☐ Yes ☑ No

If Yes:

*i.* Describe proposed treatment(s):

*ii.* Will the proposed action use Integrated Pest Management Practices? ☐ Yes ☐ No

r. Will the proposed action (commercial or industrial projects only) involve or require the management or disposal of solid waste (excluding hazardous materials)? ☐ Yes ☑ No

If Yes:

*i.* Describe any solid waste(s) to be generated during construction or operation of the facility:

- Construction: _____ tons per _____ (unit of time)
- Operation : _____ tons per _____ (unit of time)

*ii.* Describe any proposals for on-site minimization, recycling or reuse of materials to avoid disposal as solid waste:

- Construction: _____
- Operation: _____

*iii.* Proposed disposal methods/facilities for solid waste generated on-site:

- Construction: _____
- Operation: _____

s. Does the proposed action include construction or modification of a solid waste management facility? ☐ Yes ☑ No

If Yes:

*i.* Type of management or handling of waste proposed for the site (e.g., recycling or transfer station, composting, landfill, or other disposal activities): _____

*ii.* Anticipated rate of disposal/processing:

- _____ Tons/month, if transfer or other non-combustion/thermal treatment, or
- _____ Tons/hour, if combustion or thermal treatment

*iii.* If landfill, anticipated site life: _____ years

t. Will the proposed action at the site involve the commercial generation, treatment, storage, or disposal of hazardous waste? ☐ Yes ☑ No

If Yes:

*i.* Name(s) of all hazardous wastes or constituents to be generated, handled or managed at facility: _____

_____

_____

*ii.* Generally describe processes or activities involving hazardous wastes or constituents: _____

_____

_____

*iii.* Specify amount to be handled or generated _____ tons/month

*iv.* Describe any proposals for on-site minimization, recycling or reuse of hazardous constituents: _____

_____

_____

*v.* Will any hazardous wastes be disposed at an existing offsite hazardous waste facility? ☐ Yes ☐ No

If Yes: provide name and location of facility: _____

_____

If No: describe proposed management of any hazardous wastes which will not be sent to a hazardous waste facility:

_____

_____

**E. Site and Setting of Proposed Action**

**E.1. Land uses on and surrounding the project site**

a. Existing land uses.

*i.* Check all uses that occur on, adjoining and near the project site.

☑ Urban ☑ Industrial ☑ Commercial ☑ Residential (suburban) ☐ Rural (non-farm)

☐ Forest ☐ Agriculture ☑ Aquatic ☑ Other (specify): public services

*ii.* If mix of uses, generally describe:

_____

_____

b. Land uses and covertypes on the project site.

| Land use or Covertype | Current Acreage | Acreage After Project Completion | Change (Acres +/-) |
|---|---|---|---|
| • Roads, buildings, and other paved or impervious surfaces | 0.0 | 1.792 | +1.792 |
| • Forested | 4.727 | 2.481 | -2.246 |
| • Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural) | 2.789 | 3.292 | +0.503 |
| • Agricultural (includes active orchards, field, greenhouse etc.) | 0.0 | 0.0 | 0.0 |
| • Surface water features (lakes, ponds, streams, rivers, etc.) | 0.071 | 0.071 | 0.0 |
| • Wetlands (freshwater or tidal) | 0.776 | 0.776 | 0.0 |
| • Non-vegetated (bare rock, earth or fill) | 0.098 | 0.049 | -0.049 |
| • Other Describe: _____ _____ | | | |

c. Is the project site presently used by members of the community for public recreation? ☐ Yes ☑ No

*i.* If Yes: explain: _____

d. Are there any facilities serving children, the elderly, people with disabilities (e.g., schools, hospitals, licensed day care centers, or group homes) within 1500 feet of the project site? ☐ Yes ☑ No

If Yes,

*i.* Identify Facilities:

_____

_____

e. Does the project site contain an existing dam? ☐ Yes ☑ No

If Yes:

*i.* Dimensions of the dam and impoundment:

- Dam height: _____ feet
- Dam length: _____ feet
- Surface area: _____ acres
- Volume impounded: _____ gallons OR acre-feet

*ii.* Dam's existing hazard classification: _____

*iii.* Provide date and summarize results of last inspection:

_____

_____

f. Has the project site ever been used as a municipal, commercial or industrial solid waste management facility, or does the project site adjoin property which is now, or was at one time, used as a solid waste management facility? ☐ Yes ☑ No

If Yes:

*i.* Has the facility been formally closed? ☐ Yes ☐ No

- If yes, cite sources/documentation: _____

*ii.* Describe the location of the project site relative to the boundaries of the solid waste management facility:

_____

_____

*iii.* Describe any development constraints due to the prior solid waste activities: _____

_____

g. Have hazardous wastes been generated, treated and/or disposed of at the site, or does the project site adjoin property which is now or was at one time used to commercially treat, store and/or dispose of hazardous waste? ☐ Yes ☑ No

If Yes:

*i.* Describe waste(s) handled and waste management activities, including approximate time when activities occurred:

_____

_____

h. Potential contamination history. Has there been a reported spill at the proposed project site, or have any remedial actions been conducted at or adjacent to the proposed site? ☐ Yes ☑ No

If Yes:

*i.* Is any portion of the site listed on the NYSDEC Spills Incidents database or Environmental Site Remediation database? Check all that apply: ☐ Yes ☑ No

☐ Yes – Spills Incidents database Provide DEC ID number(s): _____

☐ Yes – Environmental Site Remediation database Provide DEC ID number(s): _____

☐ Neither database

*ii.* If site has been subject of RCRA corrective activities, describe control measures:_____

_____

_____

*iii.* Is the project within 2000 feet of any site in the NYSDEC Environmental Site Remediation database? ☐ Yes ☑ No

If yes, provide DEC ID number(s): _____

*iv.* If yes to (i), (ii) or (iii) above, describe current status of site(s):

_____

_____

*v.* Is the project site subject to an institutional control limiting property uses? ☐ Yes ☑ No

- If yes, DEC site ID number: _____
- Describe the type of institutional control (e.g., deed restriction or easement): _____
- Describe any use limitations: _____
- Describe any engineering controls: _____
- Will the project affect the institutional or engineering controls in place? ☐ Yes ☐ No
- Explain: _____

**E.2. Natural Resources On or Near Project Site**

a. What is the average depth to bedrock on the project site? <1 ft to > 5 feet

b. Are there bedrock outcroppings on the project site? ☑ Yes ☐ No
If Yes, what proportion of the site is comprised of bedrock outcroppings? 1 %

c. Predominant soil type(s) present on project site:

| | |
|---|---|
| Dutchess Cardigan Complex (DwC) | 93.6 % |
| Dutchess Cardigan Urban (DxC) | 5.5 % |
| Udorthents | 0.9 % |

d. What is the average depth to the water table on the project site? Average: > 2 ft to > 6 feet

e. Drainage status of project site soils:
☑ Well Drained: 99 % of site
☑ Moderately Well Drained: 1 % of site
☐ Poorly Drained _____% of site

f. Approximate proportion of proposed action site with slopes:
☑ 0-10%: note % of site
☑ 10-15%: note % of site
☑ 15% or greater: note % of site
Note: See Section 4.

g. Are there any unique geologic features on the project site? ☐ Yes ☑ No
If Yes, describe: _____

h. Surface water features.

*i.* Does any portion of the project site contain wetlands or other waterbodies (including streams, rivers, ponds or lakes)? ☑ Yes ☐ No

*ii.* Do any wetlands or other waterbodies adjoin the project site? ☑ Yes ☐ No

If Yes to either *i* or *ii*, continue. If No, skip to E.2.i.

*iii.* Are any of the wetlands or waterbodies within or adjoining the project site regulated by any federal, state or local agency? ☑ Yes ☐ No

*iv.* For each identified regulated wetland and waterbody on the project site, provide the following information:

- Streams: Name 862-393 Classification C
- Lakes or Ponds: Name _____ Classification _____
- Wetlands: Name Federal Waters, Federal Waters, Federal Waters,... Approximate Size 0.776 acres
- Wetland No. (if regulated by DEC) _____

*v.* Are any of the above water bodies listed in the most recent compilation of NYS water quality-impaired waterbodies? ☑ Yes ☐ No

If yes, name of impaired water body/bodies and basis for listing as impaired: _____
Name - Pollutants - Uses:Fall Kill and tribs – Nutrients – Recreation;Aquatic Life

i. Is the project site in a designated Floodway? ☐ Yes ☑ No

j. Is the project site in the 100-year Floodplain? ☑ Yes ☐ No

k. Is the project site in the 500-year Floodplain? ☐ Yes ☑ No

l. Is the project site located over, or immediately adjoining, a primary, principal or sole source aquifer? ☐ Yes ☑ No
If Yes:
*i.* Name of aquifer: _____

m. Identify the predominant wildlife species that occupy or use the project site:
Common Dutchess County species

n. Does the project site contain a designated significant natural community? ☐ Yes ☑ No
If Yes:
*i.* Describe the habitat/community (composition, function, and basis for designation):
*ii.* Source(s) of description or evaluation:
*iii.* Extent of community/habitat:
- Currently: _____ acres
- Following completion of project as proposed: _____ acres
- Gain or loss (indicate + or -): _____ acres

o. Does project site contain any species of plant or animal that is listed by the federal government or NYS as endangered or threatened, or does it contain any areas identified as habitat for an endangered or threatened species? ☑ Yes ☐ No

If Yes:
*i.* Species and listing (endangered or threatened):
Blanding's Turtle (NYSDEC) Indiana Bat (USFWS)

p. Does the project site contain any species of plant or animal that is listed by NYS as rare, or as a species of special concern? ☐ Yes ☑ No

If Yes:
*i.* Species and listing:

q. Is the project site or adjoining area currently used for hunting, trapping, fishing or shell fishing? ☐ Yes ☑ No
If yes, give a brief description of how the proposed action may affect that use:

**E.3. Designated Public Resources On or Near Project Site**

a. Is the project site, or any portion of it, located in a designated agricultural district certified pursuant to Agriculture and Markets Law, Article 25-AA, Section 303 and 304? ☐ Yes ☑ No
If Yes, provide county plus district name/number:

b. Are agricultural lands consisting of highly productive soils present? ☐ Yes ☑ No
*i.* If Yes: acreage(s) on project site?
*ii.* Source(s) of soil rating(s):

c. Does the project site contain all or part of, or is it substantially contiguous to, a registered National Natural Landmark? ☐ Yes ☑ No
If Yes:
*i.* Nature of the natural landmark: ☐ Biological Community ☐ Geological Feature
*ii.* Provide brief description of landmark, including values behind designation and approximate size/extent:

d. Is the project site located in or does it adjoin a state listed Critical Environmental Area? ☐ Yes ☑ No
If Yes:
*i.* CEA name:
*ii.* Basis for designation:
*iii.* Designating agency and date:

e. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district which is listed on the National or State Register of Historic Places, or that has been determined by the Commissioner of the NYS Office of Parks, Recreation and Historic Preservation to be eligible for listing on the State Register of Historic Places? ☐ Yes ☑ No

If Yes:

*i.* Nature of historic/archaeological resource: ☐ Archaeological Site ☐ Historic Building or District

*ii.* Name: _____

*iii.* Brief description of attributes on which listing is based:

_____

f. Is the project site, or any portion of it, located in or adjacent to an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory? ☑ Yes ☐ No

g. Have additional archaeological or historic site(s) or resources been identified on the project site? ☐ Yes ☑ No

If Yes:

*i.* Describe possible resource(s): _____

*ii.* Basis for identification: _____

h. Is the project site within fives miles of any officially designated and publicly accessible federal, state, or local scenic or aesthetic resource? ☑ Yes ☐ No

If Yes:

*i.* Identify resource: See Figure 9.

*ii.* Nature of, or basis for, designation (e.g., established highway overlook, state or local park, state historic trail or scenic byway, etc.): See Figure 9.

*iii.* Distance between project and resource: See Figure 9 miles.

i. Is the project site located within a designated river corridor under the Wild, Scenic and Recreational Rivers Program 6 NYCRR 666? ☐ Yes ☑ No

If Yes:

*i.* Identify the name of the river and its designation: _____

*ii.* Is the activity consistent with development restrictions contained in 6NYCRR Part 666? ☐ Yes ☐ No

**F. Additional Information**

Attach any additional information which may be needed to clarify your project.

If you have identified any adverse impacts which could be associated with your proposal, please describe those impacts plus any measures which you propose to avoid or minimize them.

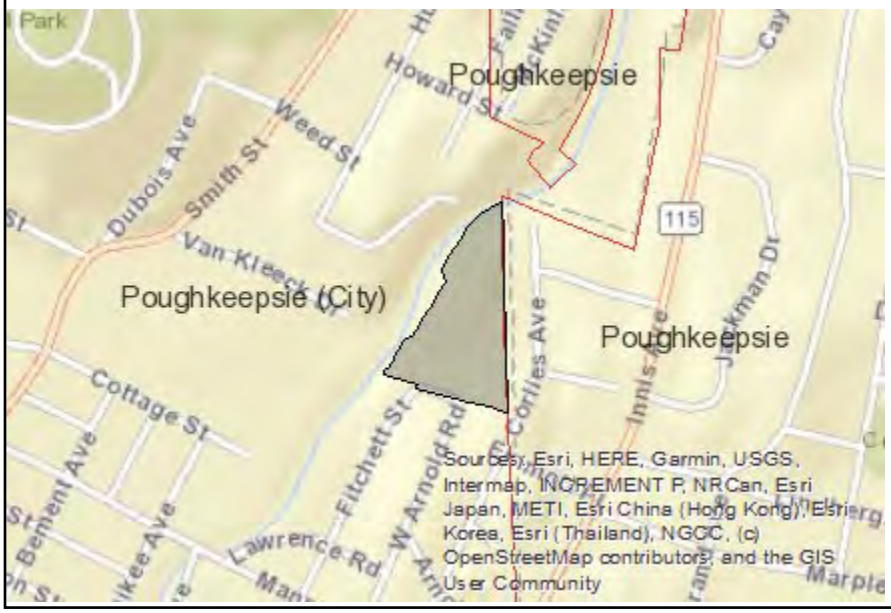
**G. Verification**

I certify that the information provided is true to the best of my knowledge.

Applicant/Sponsor Name Maselo Realty, LLC Date December 2, 2020

Signature Caren LoBrutto, Agent for Applicant, Chazen Companies Title Senior Planner

**PRINT FORM**



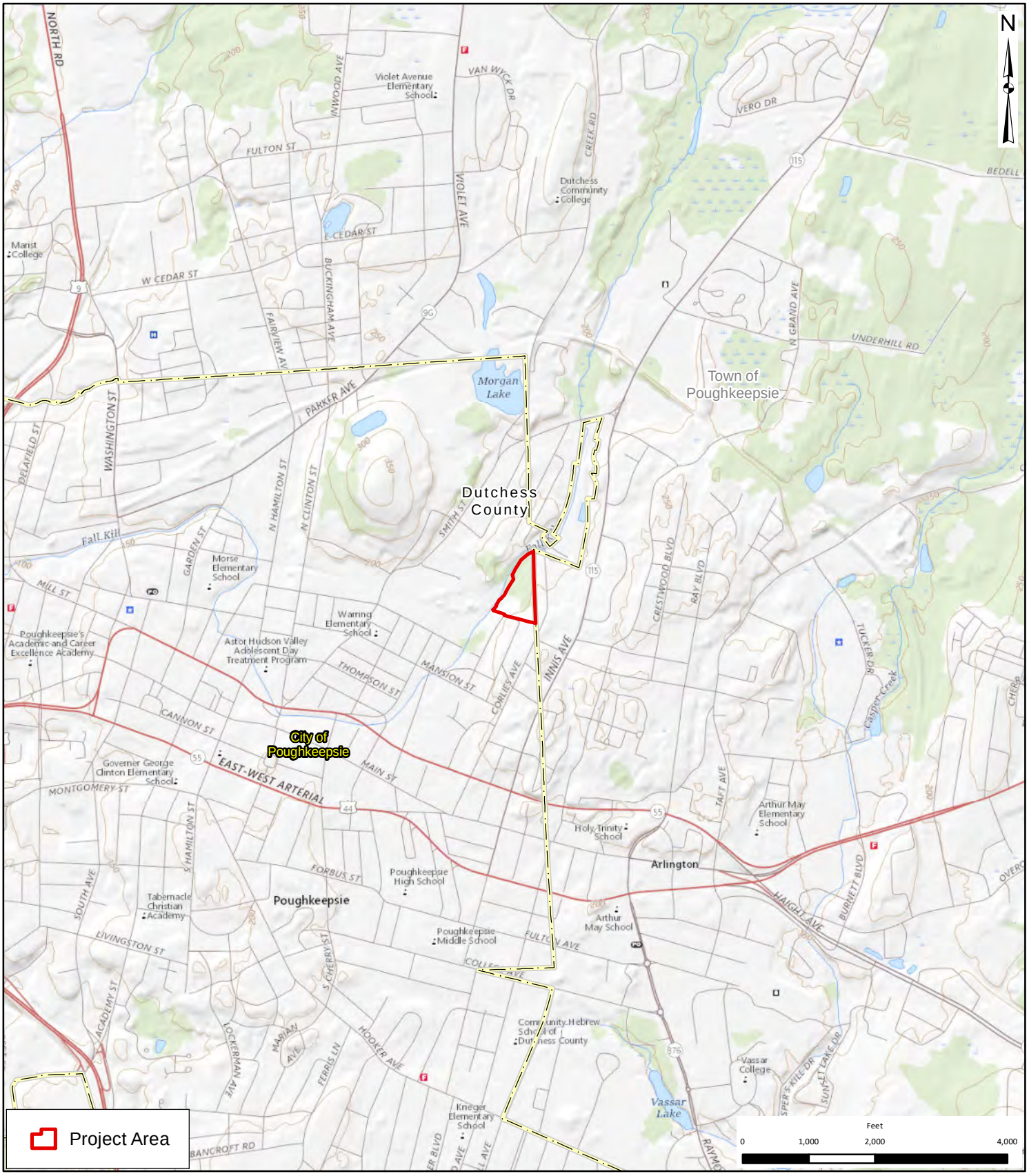

**Disclaimer:** The EAF Mapper is a screening tool intended to assist project sponsors and reviewing agencies in preparing an environmental assessment form (EAF). Not all questions asked in the EAF are answered by the EAF Mapper. Additional information on any EAF question can be obtained by consulting the EAF Workbooks. Although the EAF Mapper provides the most up-to-date digital data available to DEC, you may also need to contact local or other data sources in order to obtain data not provided by the Mapper. Digital data is not a substitute for agency determinations.




| | |
|---|---|
| B.i.i [Coastal or Waterfront Area] | No |
| B.i.ii [Local Waterfront Revitalization Area] | No |
| C.2.b. [Special Planning District] | Digital mapping data are not available or are incomplete. Refer to EAF Workbook. |
| E.1.h [DEC Spills or Remediation Site - Potential Contamination History] | Digital mapping data are not available or are incomplete. Refer to EAF Workbook. |
| E.1.h.i [DEC Spills or Remediation Site - Listed] | Digital mapping data are not available or are incomplete. Refer to EAF Workbook. |
| E.1.h.i [DEC Spills or Remediation Site - Environmental Site Remediation Database] | Digital mapping data are not available or are incomplete. Refer to EAF Workbook. |
| E.1.h.iii [Within 2,000' of DEC Remediation Site] | No |
| E.2.g [Unique Geologic Features] | No |
| E.2.h.i [Surface Water Features] | Yes |
| E.2.h.ii [Surface Water Features] | Yes |
| E.2.h.iii [Surface Water Features] | Yes - Digital mapping information on local and federal wetlands and waterbodies is known to be incomplete. Refer to EAF Workbook. |
| E.2.h.iv [Surface Water Features - Stream Name] | 862-393 |
| E.2.h.iv [Surface Water Features - Stream Classification] | C |
| E.2.h.iv [Surface Water Features - Wetlands Name] | Federal Waters |
| E.2.h.v [Impaired Water Bodies] | Yes |
| E.2.h.v [Impaired Water Bodies - Name and Basis for Listing] | Name - Pollutants - Uses:Fall Kill and tribs – Nutrients – Recreation;Aquatic Life |
| E.2.i. [Floodway] | No |

| | |
|---|---|
| E.2.j. [100 Year Floodplain] | Yes |
| E.2.k. [500 Year Floodplain] | No |
| E.2.l. [Aquifers] | No |
| E.2.n. [Natural Communities] | No |
| E.2.o. [Endangered or Threatened Species] | Yes |
| E.2.o. [Endangered or Threatened Species - Name] | Blanding's Turtle |
| E.2.p. [Rare Plants or Animals] | No |
| E.3.a. [Agricultural District] | No |
| E.3.c. [National Natural Landmark] | No |
| E.3.d [Critical Environmental Area] | No |
| E.3.e. [National or State Register of Historic Places or State Eligible Sites] | Digital mapping data are not available or are incomplete. Refer to EAF Workbook. |
| E.3.f. [Archeological Sites] | Yes |
| E.3.i. [Designated River Corridor] | No |

# FIGURES




THE Chazen COMPANIES

ENGINEERS
LAND SURVEYORS
PLANNERS
ENVIRONMENTAL & SAFETY PROFESSIONALS
LANDSCAPE ARCHITECTS


***Dutchess County Office:***
21 Fox Street, Poughkeepsie, NY 12601
Phone: (845) 454-3980

***Capital District Office:***
547 River Street, Troy, NY 12180
Phone: (518) 273-0055

***North Country Office:***
20 Elm St, Suite 110
Glens Falls, NY 12801
Phone: (518) 812-0513


***Highview at the Fallkill Creek***

# USGS Location Map

Milton St, City of Poughkeepsie - Dutchess County, NY

| | |
|---|---|
| Drawn: | RL-B |
| Date: | 10/13/2019 |
| Scale: | 1 in = 2,000 feet |
| Project: | 81947.00 |
| Figure: | 1 |




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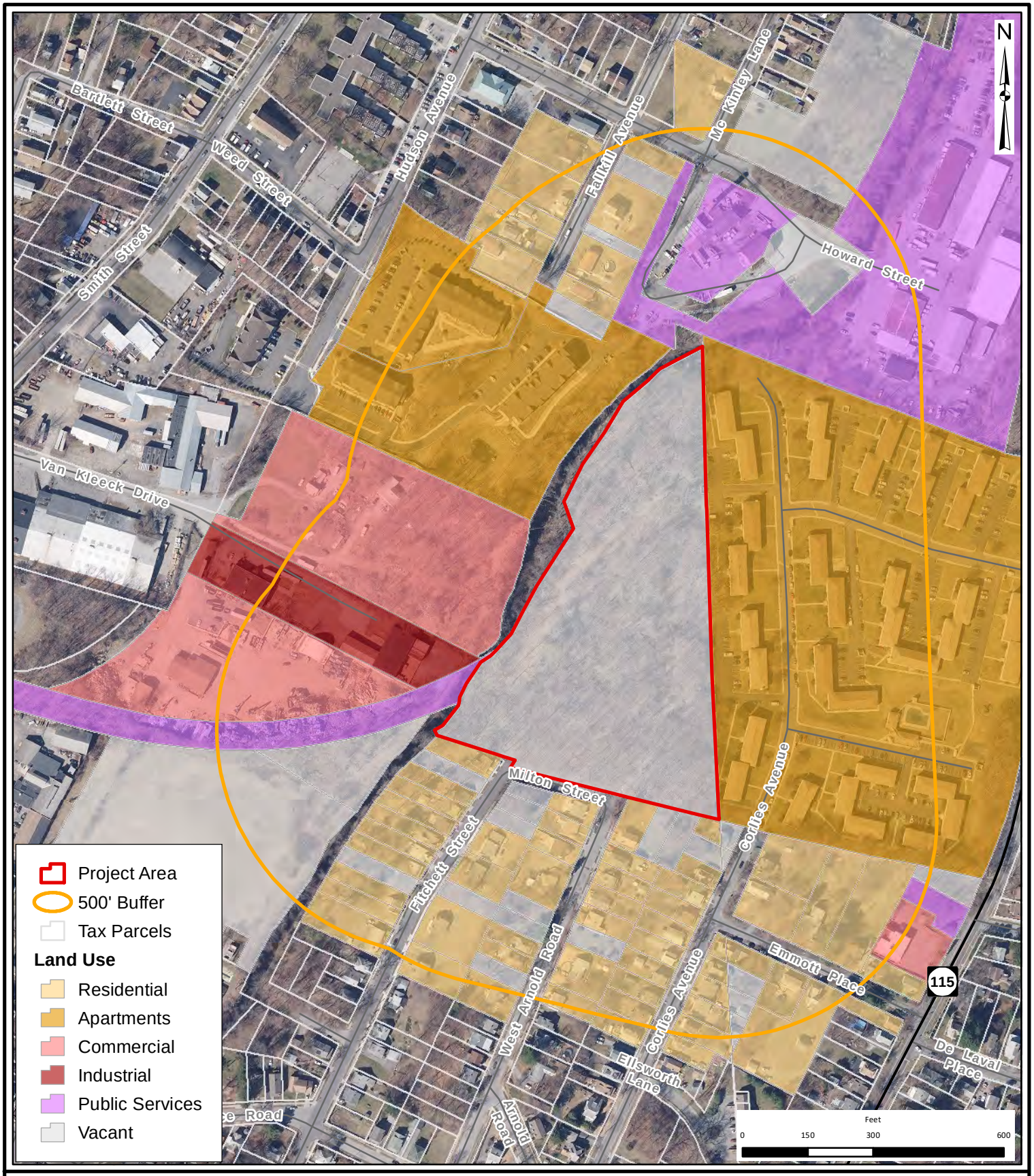
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***Highview at the Fallkill Creek***

# Orthophoto Tax Map

Milton St, City of Poughkeepsie - Dutchess County, NY

| | |
|---|---|
| Drawn: | RL-B |
| Date: | 10/13/2019 |
| Scale: | 1 in = 200 feet |
| Project: | 81947.00 |
| Figure: | 2 |




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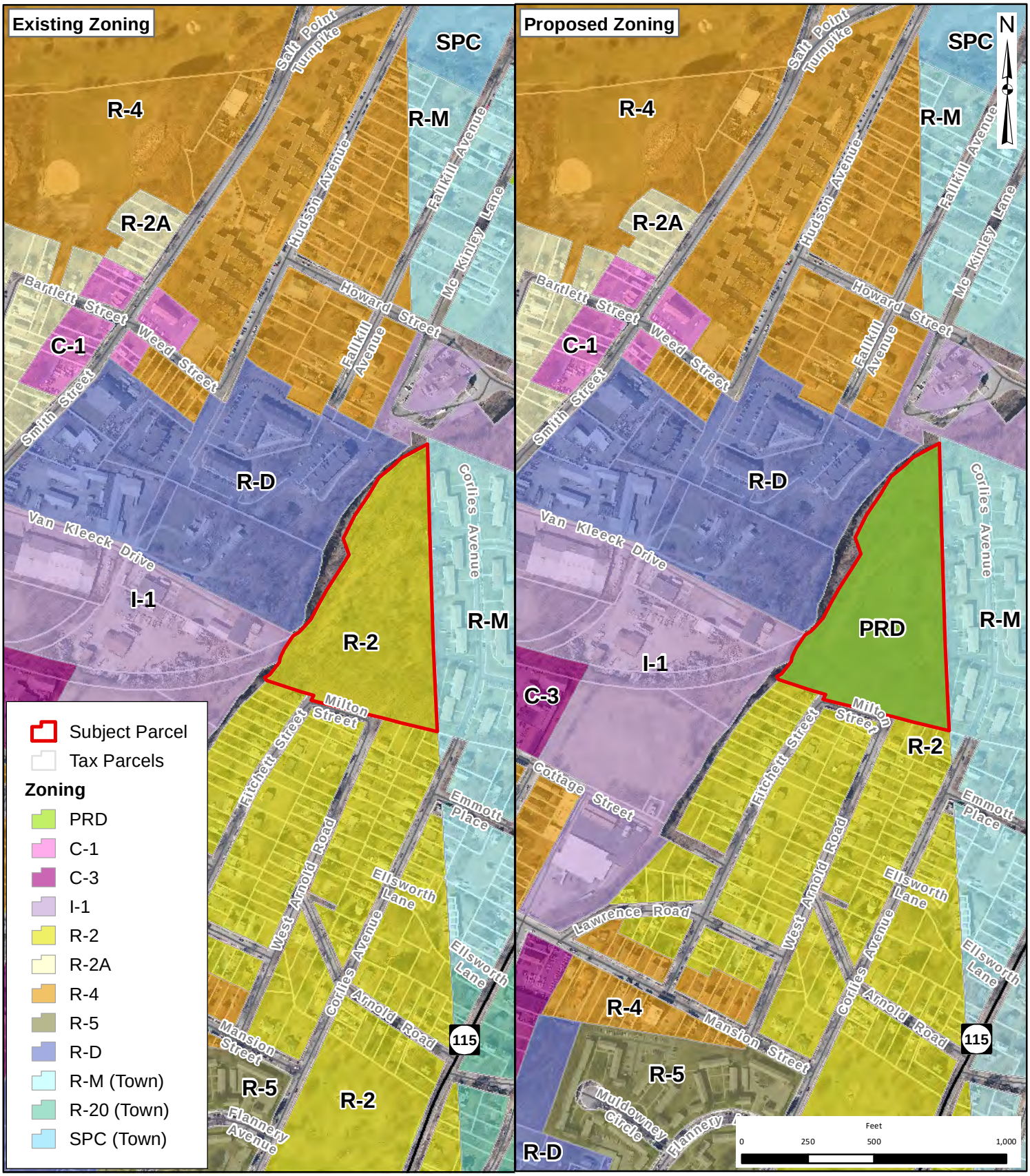
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***Highview at the Fallkill Creek***

## Land Use

Milton St, City of Poughkeepsie - Dutchess County, NY

| | |
|---|---|
| Drawn: | RL-B |
| Date: | 10/13/2019 |
| Scale: | 1 in = 300 feet |
| Project: | 81947.00 |
| Figure: | 3 |




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*Highview at the Fallkill Creek*

# Existing and Proposed Zoning

Milton St, City of Poughkeepsie - Dutchess County, NY

| | |
|---|---|
| Drawn: | RL-B |
| Date: | 10/13/2019 |
| Scale: | 1 in = 500 feet |
| Project: | 81947.00 |
| Figure: | 4 |




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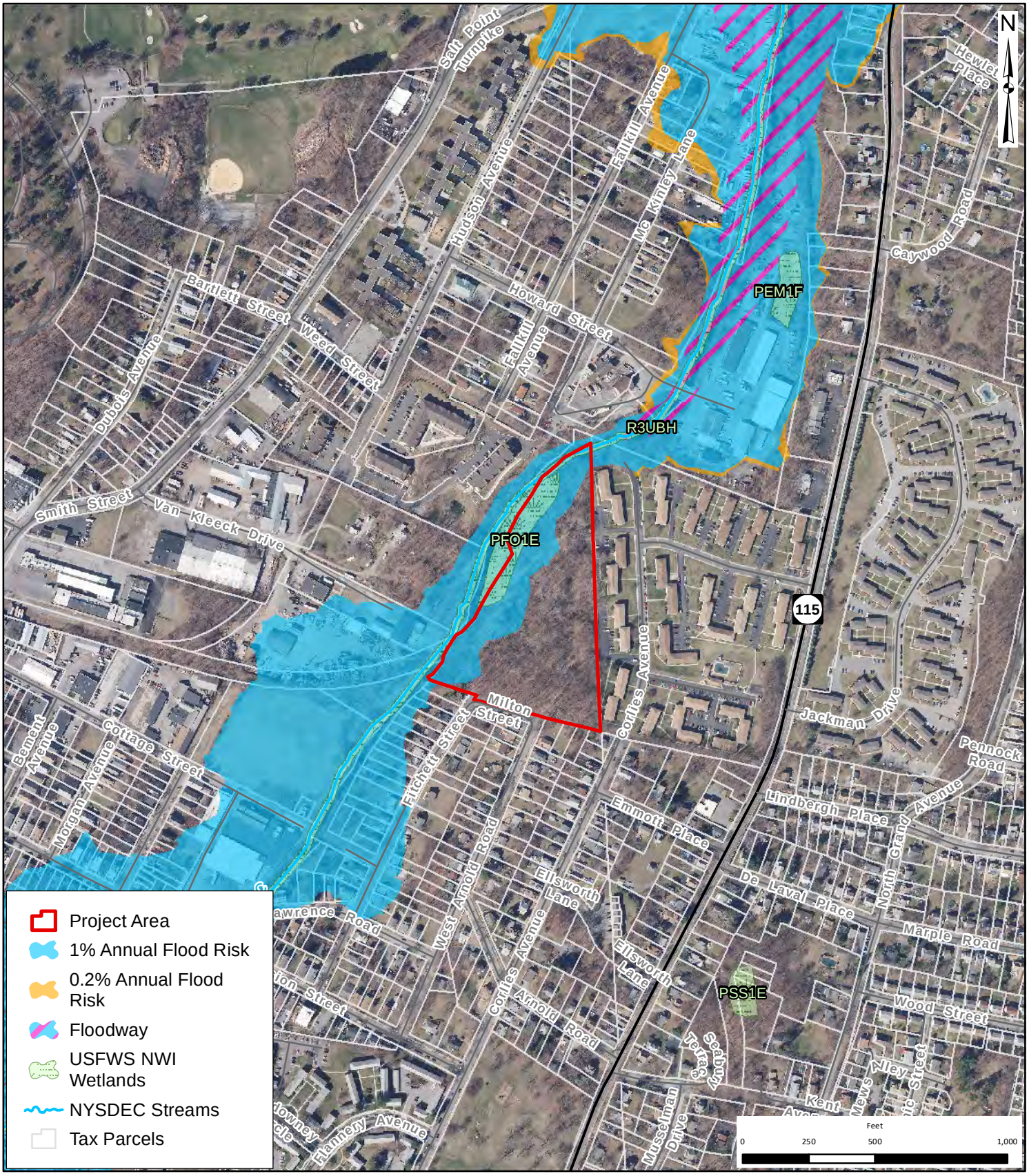
***North Country Office:***
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***Highview at the Fallkill Creek***

# Soils

Milton St, City of Poughkeepsie - Dutchess County, NY

| | |
|---|---|
| Drawn: | RL-B |
| Date: | 10/13/2019 |
| Scale: | 1 in = 150 feet |
| Project: | 81947.00 |
| Figure: | 5 |




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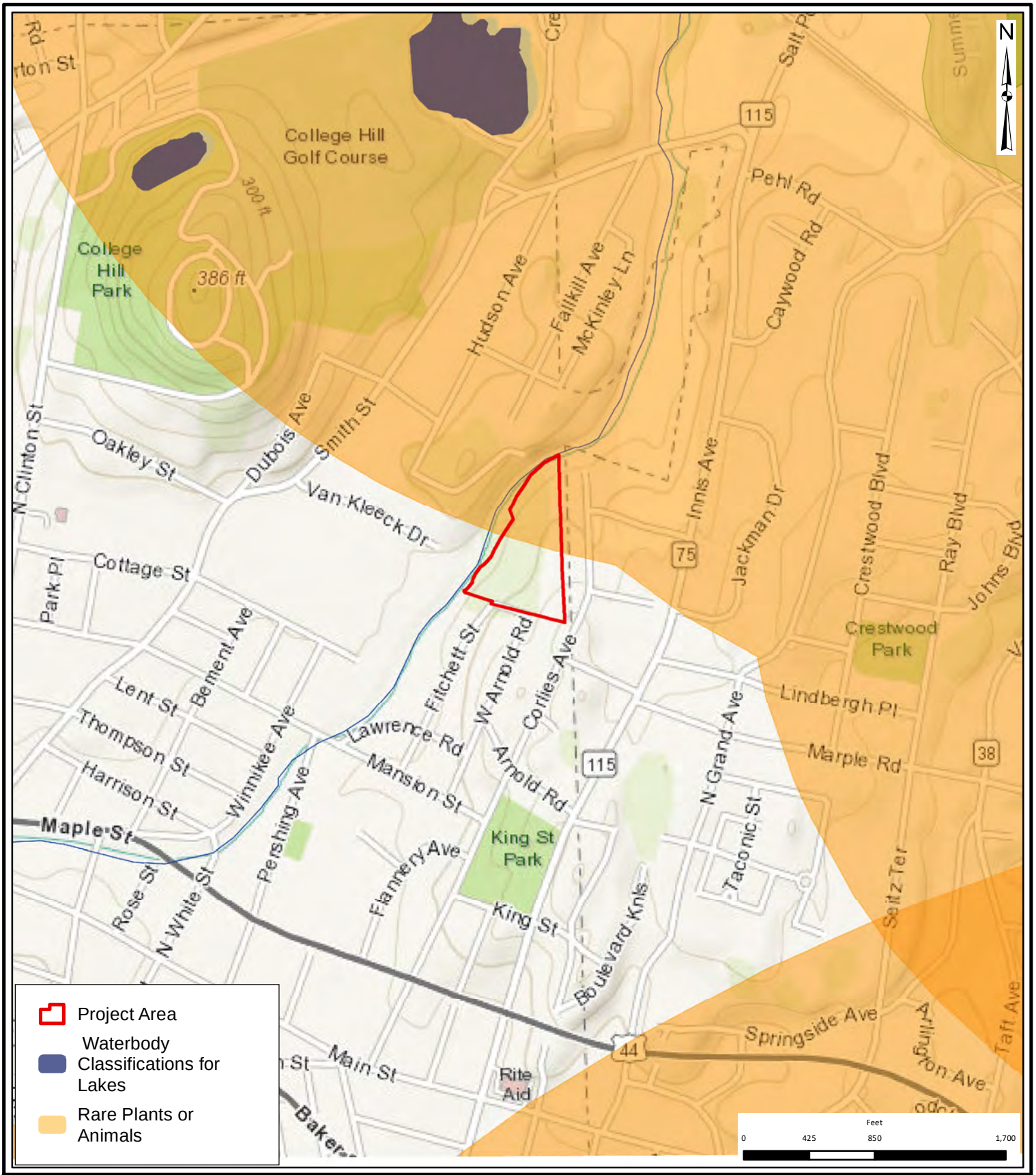
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*Highview at the Fallkill Creek*

## Wetland, Stream and Floodplains

Milton St, City of Poughkeepsie - Dutchess County, NY

| | |
|---|---|
| Drawn: | RL-B |
| Date: | 10/13/2019 |
| Scale: | 1 in = 500 feet |
| Project: | 81947.00 |
| Figure: | 6 |




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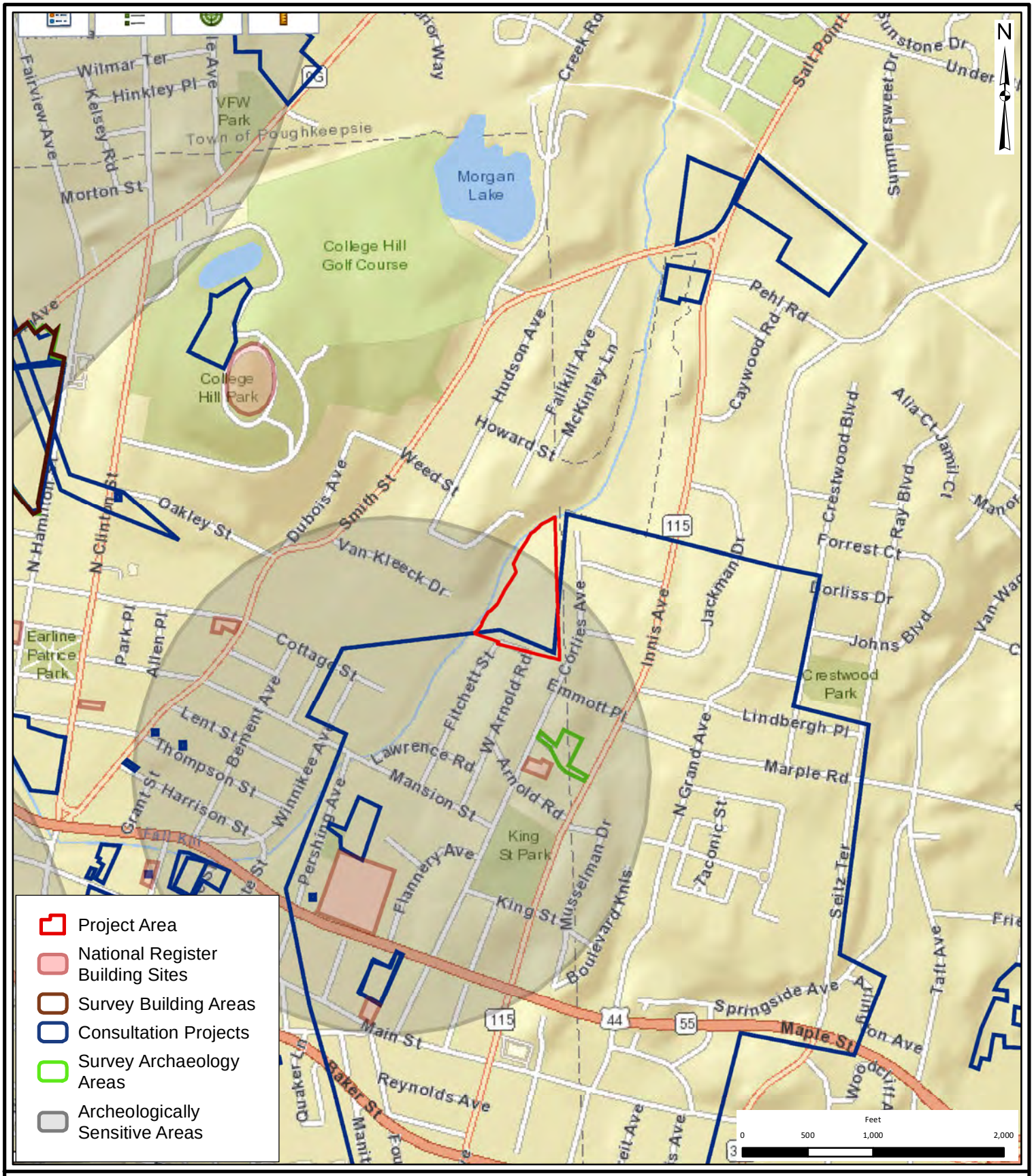
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***Highview at the Fallkill Creek***

# NYSDEC Environmental Resource Map

Milton St, City of Poughkeepsie - Dutchess County, NY

| | |
|---|---|
| Drawn: | RL-B |
| Date: | 10/13/2019 |
| Scale: | 1 in = 850 feet |
| Project: | 81947.00 |
| Figure: | 7 |




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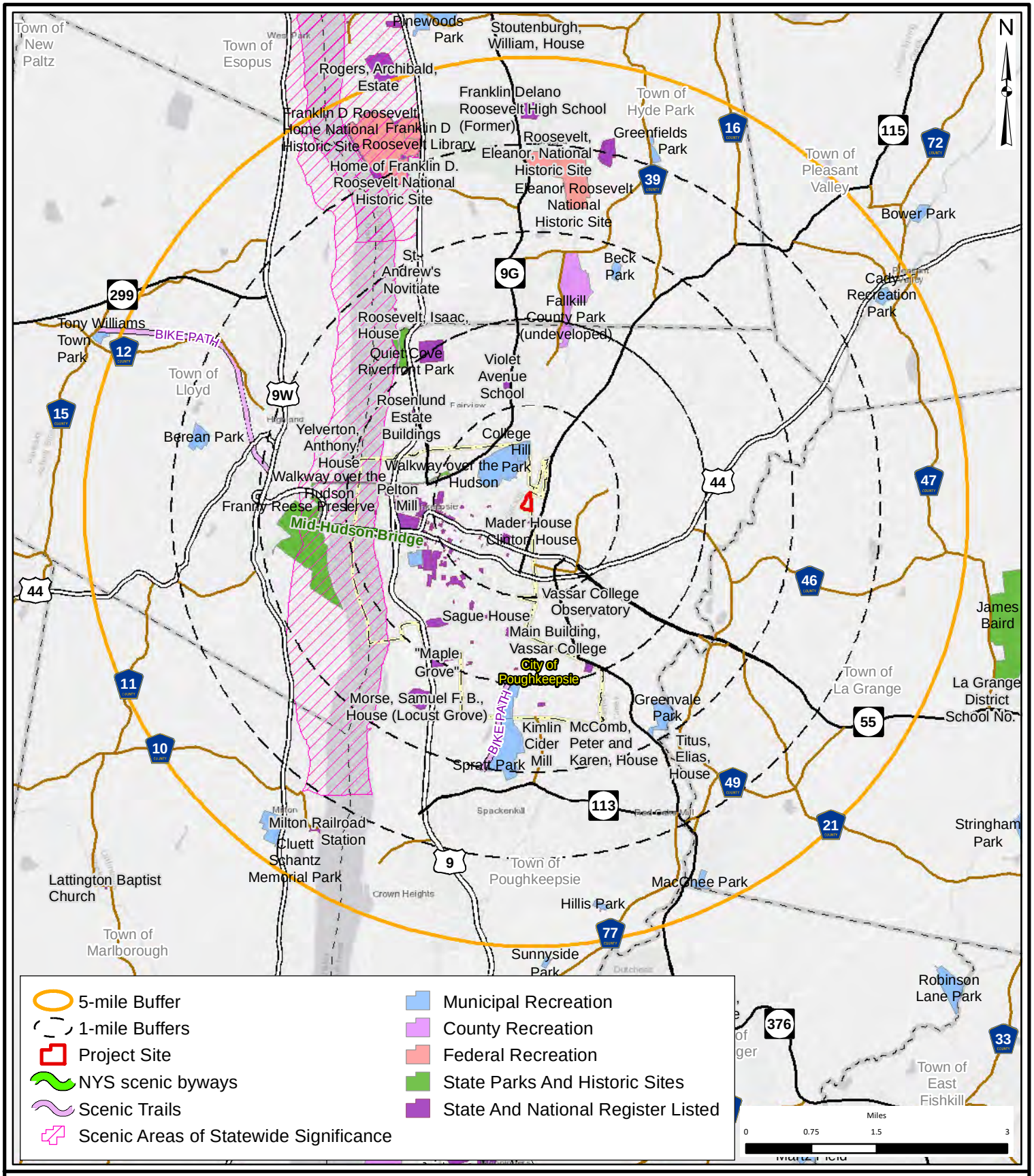
***North Country Office:***
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Glens Falls, NY 12801
Phone: (518) 812-0513

***Highview at the Fallkill Creek***

## NYSOPRHP Cultural Resource Information System (CRIS) Map

Milton St, City of Poughkeepsie - Dutchess County, NY

| | |
|---|---|
| Drawn: | RL-B |
| Date: | 10/13/2019 |
| Scale: | 1 in = 1,000 feet |
| Project: | 81947.00 |
| Figure: | 8 |




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*Highview at the Fallkill Creek*

# Publicly Accessible Federal, State, or Local Scenic or Aesthetic Resources within 5 Miles

Milton St, City of Poughkeepsie - Dutchess County, NY

| | |
|---|---|
| Drawn: | RL-B |
| Date: | 10/13/2019 |
| Scale: | 1 in = 1.5 miles |
| Project: | 81947.00 |
| Figure: | 9 |

# ATTACHMENT A
## Councilwoman Flowers Letter of Support

# THE CITY OF POUGHKEEPSIE
## NEW YORK

August 10, 2020

Ms. Natalie Quinn, Planning Director
City of Poughkeepsie
62 Civic Center Plaza
Poughkeepsie, New York 12601

*Re: Highview II: Proposed 64-Unit Residential Development (Maselo Realty LLC)*
*Milton Street (Tax Parcel 131300-6162-73-623227), City of Poughkeepsie*

Dear Ms. Quinn:

I am writing to provide my support for Maselo Realty, LLC's application for a proposed rezoning of the Milton Street property to a Planned Residential Development (PRD) Zoning District to facilitate the construction of a 64-apartment unit clustered multifamily development within two buildings off Milton Street.

The Applicant, represented by Simon and Nate Abikzer, have undertaken community outreach for this project which involved two community meetings that I hosted. One meeting was held at City Hall, Common Council Chambers in which you attended and the other meeting was held at 505 Main Street, Public Safety Bldg. Renderings of the proposed project were shared with the residents who live near the proposed project and many of them asked questions about the project and voiced their concerns.

The meetings were well advertised. I hand delivered flyers to all the residents on Corlies Ave, W. Arnold Road, Fitchett Street and Lawrence Road, explaining the proposed project and inviting them to the meetings. I also sent text messages and call residents who I had contact info, reminding them of the meeting so due diligence was made to inform all residents of the project. Residents of the area who were able to attend were very vocal of what they wanted and not want to see. The exchange of ideas resulted in the current site plan design. The applicant assured the residents that they will be "good neighbors" and ensure that the two buildings will have minimum visibility so it will not infringe on the existing neighborhood.

Based on the fact that the project will be no more than 64 units, the feedback from the residents who attended the meetings and the applicant's genuine efforts in addressing the concerns of the residents in the immediate area, I am in support of the proposed rezoning of the Milton Street property and construction of the 64 apartment unit.

Please feel free to contact me to discuss further if needed.

Thank you

Sincerely,

Councilperson Yvonne Flowers
5th Ward, City of Poughkeepsie
(845) 505-2735/email: yflowers@cityofpoughkeepsie.com

# ATTACHMENT B
## Natural Resource Information

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Fish and Wildlife, New York Natural Heritage Program
625 Broadway, Fifth Floor, Albany, NY 12233-4757
P: (518) 402-8935 | F: (518) 402-8925
www.dec.ny.gov

January 21, 2020

Caren LoBrutto
Chazen Companies
21 Fox Street
Poughkeepsie, NY 12601

Re: Highview II
County: Dutchess Town/City: City of Poughkeepsie

Dear Ms. LoBrutto:

In response to your recent request, we have reviewed the New York Natural Heritage Program database with respect to the above project.

We have no records of rare or state-listed animals or plants, or significant natural communities at the project site.

Within 0.8 mile of the project site is a documented location of **Blanding's turtle** (*Emydoidea blandingii*, state listed as Threatened). The turtles may travel 0.8 mile or more from documented locations. For information about any permit considerations for your project, please contact the Permits staff at the NYSDEC Region 3 Office, Division of Environmental Permits, at dep.r3@dec.ny.gov.

For most sites, comprehensive field surveys have not been conducted. We cannot provide a definitive statement on the presence or absence of all rare or state-listed species or significant natural communities. Depending on the nature of the project and the conditions at the project site, further information from on-site surveys or other resources may be required to fully assess impacts on biological resources.

For information regarding other permits that may be required under state law for regulated areas or activities (e.g., regulated wetlands), please contact the Permits staff at the NYSDEC Region 3 Office as described above.

Sincerely,

Andrea Chaloux

Andrea Chaloux
Environmental Review Specialist
New York Natural Heritage Program

39

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

**IPaC** Information for Planning and Consultation **U.S. Fish & Wildlife Service**

# IPaC resource list

**We are experiencing intermittent network issues causing large delays in species lists and letters. This is a known issue and we are working to fix it. Thank you for your patience.**

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as *trust resources*) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly affected by activities in the project area. However, determining the likelihood and extent of effects a project may have on trust resources typically requires gathering additional site-specific (e.g., vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

NOT FOR CONSULTATION

## Location

Dutchess County, New York




## Local office

New York Ecological Services Field Office

(607) 753-9334
(607) 753-9699

3817 Luker Road
Cortland, NY 13045-9385

http://www.fws.gov/northeast/nyfo/es/section7.htm

# Endangered species

**This resource list is for informational purposes only and does not constitute an analysis of project level impacts.**

The primary information used to generate this list is the known or expected range of each species. Additional areas of influence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly affected by activities in that area (e.g., placing a dam upstream of a fish population, even if that fish does not occur at the dam site, may indirectly impact the species by reducing or eliminating water flow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local office and a species list which fulfills this requirement can **only** be obtained by requesting an official species list from either the Regulatory Review section in IPaC (see directions below) or from the local field office directly.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list by doing the following:

1. Draw the project location and click CONTINUE.
2. Click DEFINE PROJECT.
3. Log in (if directed to do so).
4. Provide a name and description for your project.
5. Click REQUEST SPECIES LIST.

Listed species

[1] and their critical habitats are managed by the Ecological Services Program of the U.S. Fish and Wildlife Service (USFWS) and the fisheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries[2]).

Species and critical habitats under the sole responsibility of NOAA Fisheries are **not** shown on this list. Please contact NOAA Fisheries for species under their jurisdiction.

NOT FOR CONSULTATION

1. Species listed under the Endangered Species Act are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the listing status page for more information.
2. NOAA Fisheries, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

The following species are potentially affected by activities in this location:

## Mammals

| NAME | STATUS |
|---|---|
| Indiana Bat Myotis sodalis<br>There is **final** critical habitat for this species. Your location is outside the critical habitat.<br>https://ecos.fws.gov/ecp/species/5949 | Endangered |

# Critical habitats

Potential effects to critical habitat(s) in this location must be analyzed along with the endangered species themselves.

THERE ARE NO CRITICAL HABITATS AT THIS LOCATION.

# Migratory birds

Certain birds are protected under the Migratory Bird Treaty Act

[1] and the Bald and Golden Eagle Protection Act[2].

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats should follow appropriate regulations and consider implementing appropriate conservation measures, as described below.

1. The Migratory Birds Treaty Act of 1918.
2. The Bald and Golden Eagle Protection Act of 1940.

Additional information can be found using the following links:

- Birds of Conservation Concern http://www.fws.gov/birds/management/managed-species/birds-of-conservation-concern.php
- Measures for avoiding and minimizing impacts to birds http://www.fws.gov/birds/management/project-assessment-tools-and-guidance/conservation-measures.php
- Nationwide conservation measures for birds http://www.fws.gov/migratorybirds/pdf/management/nationwidestandardconservationmeasures.pdf

The birds listed below are birds of particular concern either because they occur on the USFWS Birds of Conservation Concern (BCC) list or warrant special attention in your project location. To learn more about the levels of concern for birds on your list and how this list is generated, see the FAQ below. This is not a list of every bird you may find in this location, nor a guarantee that every bird on this list will be found in your project area. To see exact locations of where birders and the general public have sighted birds in and around your project area, visit the E-bird data mapping tool (Tip: enter your location, desired date range and a species on your list). For projects that occur off the Atlantic Coast, additional maps and models detailing the relative occurrence and abundance of bird species on your list are available. Links to additional information about Atlantic Coast birds, and other important information about your migratory bird list, including how to properly interpret and use your migratory bird report, can be found below.

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, click on the PROBABILITY OF PRESENCE SUMMARY at the top of your list to see when these birds are most likely to be present and breeding in your project area.

| NAME | BREEDING SEASON (IF A BREEDING SEASON IS INDICATED FOR A BIRD ON YOUR LIST, THE BIRD MAY BREED IN YOUR PROJECT AREA |
|---|---|

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| | |
|---|---|
| | SOMETIME WITHIN THE TIMEFRAME SPECIFIED, WHICH IS A VERY LIBERAL ESTIMATE OF THE DATES INSIDE WHICH THE BIRD BREEDS ACROSS ITS ENTIRE RANGE. "BREEDS ELSEWHERE" INDICATES THAT THE BIRD DOES NOT LIKELY BREED IN YOUR PROJECT AREA.) |
| Bald Eagle Haliaeetus leucocephalus<br>This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities.<br>https://ecos.fws.gov/ecp/species/1626 | Breeds Dec 1 to Aug 31 |
| Bobolink Dolichonyx oryzivorus<br>This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. | Breeds May 20 to Jul 31 |
| Canada Warbler Cardellina canadensis<br>This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. | Breeds May 20 to Aug 10 |
| Prairie Warbler Dendroica discolor<br>This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. | Breeds May 1 to Jul 31 |
| Red-headed Woodpecker Melanerpes erythrocephalus<br>This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. | Breeds May 10 to Sep 10 |
| Wood Thrush Hylocichla mustelina<br>This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. | Breeds May 10 to Aug 31 |

NOT FOR CONSULTATION

# Probability of Presence Summary

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read and understand the FAQ “Proper Interpretation and Use of Your Migratory Bird Report” before using or attempting to interpret this report.

**Probability of Presence (■)**

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.
2. To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is 0.25/0.25 = 1; at week 20 it is 0.05/0.25 = 0.2.
3. The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

To see a bar's probability of presence score, simply hover your mouse cursor over the bar.

**Breeding Season** (▪)
Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

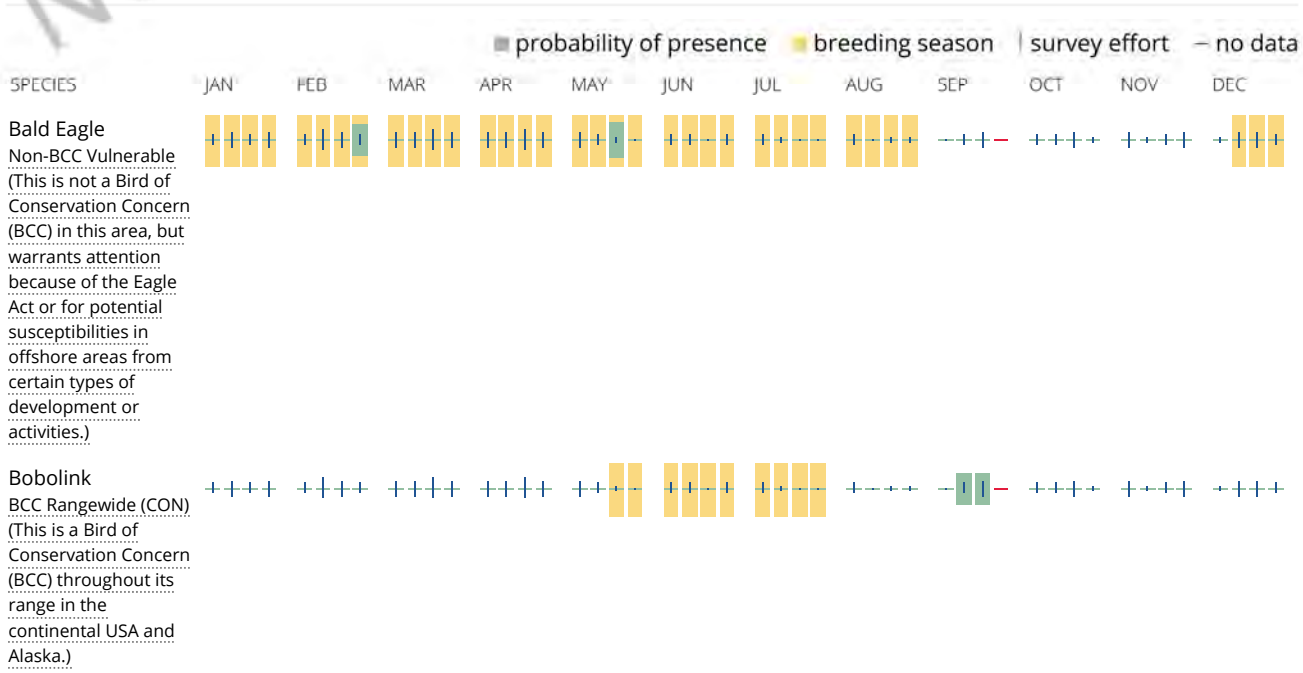
**Survey Effort** (|)
Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

To see a bar's survey effort range, simply hover your mouse cursor over the bar.

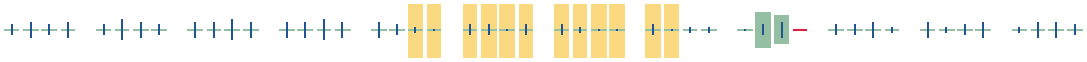
**No Data** (–)
A week is marked as having no data if there were no survey events for that week.

**Survey Timeframe**
Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.

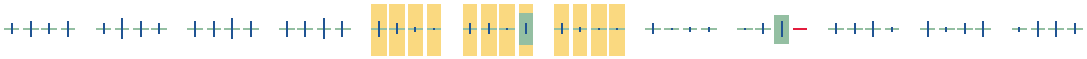
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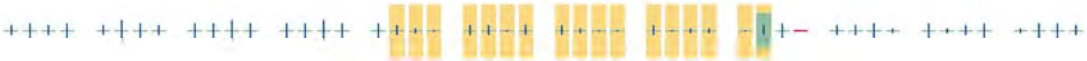
Canada Warbler
BCC Rangewide (CON) (This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.)



Prairie Warbler
BCC Rangewide (CON) (This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.)



Red-headed Woodpecker
BCC Rangewide (CON) (This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.)



Wood Thrush
BCC Rangewide (CON) (This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.)



NOT FOR CONSULTATION

**Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.**

Nationwide Conservation Measures describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. Additional measures and/or permits may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

**What does IPaC use to generate the migratory birds potentially occurring in my specified location?**

The Migratory Bird Resource List is comprised of USFWS Birds of Conservation Concern (BCC) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the Avian Knowledge Network (AKN). The AKN data is based on a growing collection of survey, banding, and citizen science datasets and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle (Eagle Act requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the AKN Phenology Tool.

**What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?**

The probability of presence graphs associated with your migratory bird list are based on data provided by the Avian Knowledge Network (AKN). This data is derived from a growing collection of survey, banding, and citizen science datasets .

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

**How do I know if a bird is breeding, wintering, migrating or present year-round in my project area?**

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may refer to the following resources: The Cornell Lab of Ornithology All About Birds Bird Guide, or (if you are unsuccessful in locating the bird of interest there), the Cornell Lab of Ornithology Neotropical Birds guide. If a bird on your migratory bird species list has a breeding season associated with it, if that bird does occur in your project area, there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

**What are the levels of concern for migratory birds?**

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are Birds of Conservation Concern (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the Eagle Act requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

**Details about birds that are potentially affected by offshore projects**

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the Northeast Ocean Data Portal. The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf project webpage.

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the Diving Bird Study and the nanotag studies or contact Caleb Spiegel or Pam Loring.

**What if I have eagles on my list?**

If your project has the potential to disturb or kill eagles, you may need to obtain a permit to avoid violating the Eagle Act should such impacts occur.

**Proper Interpretation and Use of Your Migratory Bird Report**

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ “What does IPaC use to generate the migratory birds potentially occurring in my specified location”. Please be aware this report provides the “probability of presence” of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the “no data” indicator (a red horizontal bar). A high

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survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to confirm presence, and helps guide you in knowing when to implement conservation measures to avoid or minimize potential impacts from your project activities, should presence be confirmed. To learn more about conservation measures, visit the FAQ "Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds" at the bottom of your migratory bird trust resources page.

# Facilities

## National Wildlife Refuge lands

Any activity proposed on lands managed by the National Wildlife Refuge system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

THERE ARE NO REFUGE LANDS AT THIS LOCATION.

## Fish hatcheries

THERE ARE NO FISH HATCHERIES AT THIS LOCATION.

## Wetlands in the National Wetlands Inventory

Impacts to NWI wetlands and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local U.S. Army Corps of Engineers District.

Please note that the NWI data being shown may be out of date. We are currently working to update our NWI data set. We recommend you verify these results with a site visit to determine the actual extent of wetlands on site.

This location overlaps the following wetlands:

FRESHWATER FORESTED/SHRUB WETLAND

PFO1E

RIVERINE

R3UBH

A full description for each wetland code can be found at the National Wetlands Inventory website

**Data limitations**

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The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

**Data exclusions**

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tuberficid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

**Data precautions**

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

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# THE CITY OF POUGHKEEPSIE
## NEW YORK

August 10, 2020

Ms. Natalie Quinn, Planning Director
City of Poughkeepsie
62 Civic Center Plaza
Poughkeepsie, New York 12601

*Re: Highview II: Proposed 64-Unit Residential Development (Maselo Realty LLC)*
*Milton Street (Tax Parcel 131300-6162-73-623227), City of Poughkeepsie*

Dear Ms. Quinn:

I am writing to provide my support for Maselo Realty, LLC's application for a proposed rezoning of the Milton Street property to a Planned Residential Development (PRD) Zoning District to facilitate the construction of a 64-apartment unit clustered multifamily development within two buildings off Milton Street.

The Applicant, represented by Simon and Nate Abikzer, have undertaken community outreach for this project which involved two community meetings that I hosted. One meeting was held at City Hall, Common Council Chambers in which you attended and the other meeting was held at 505 Main Street, Public Safety Bldg. Renderings of the proposed project were shared with the residents who live near the proposed project and many of them asked questions about the project and voiced their concerns.

The meetings were well advertised. I hand delivered flyers to all the residents on Corlies Ave, W. Arnold Road, Fitchett Street and Lawrence Road, explaining the proposed project and inviting them to the meetings. I also sent text messages and call residents who I had contact info, reminding them of the meeting so due diligence was made to inform all residents of the project. Residents of the area who were able to attend were very vocal of what they wanted and not want to see. The exchange of ideas resulted in the current site plan design. The applicant assured the residents that they will be "good neighbors" and ensure that the two buildings will have minimum visibility so it will not infringe on the existing neighborhood.

Based on the fact that the project will be no more than 64 units, the feedback from the residents who attended the meetings and the applicant's genuine efforts in addressing the concerns of the residents in the immediate area, I am in support of the proposed rezoning of the Milton Street property and construction of the 64 apartment unit.

Please feel free to contact me to discuss further if needed.

Thank you

Sincerely,

Councilperson Yvonne Flowers
5th Ward, City of Poughkeepsie
(845) 505-2735/email: yflowers@cityofpoughkeepsie.com

**State Environmental Quality Review**
**NEGATIVE DECLARATION**
**Notice of Determination of Non-Significance**

This notice is issued pursuant to Part 617 of the implementing regulations pertaining to Article 8 (State Environmental Quality Review Act) of the Environmental Conservation Law.

The **CITY OF POUGHKEEPSIE PLANNING BOARD**, as lead agency, has determined that the proposed action described below will not have a significant environmental impact and a Draft Environmental Impact Statement will not be prepared.

**Name of Action:** **Highview at the Fallkill Creek**

**SEQR Status:** Type 1 □
Unlisted ■

**Conditioned Negative Declaration:** □ Yes
■ No

**Description of Action:**

The project area is the subject of a Rezoning to Planned Residential Development (PRD) by the CITY OF POUGHKEEPSIE COMMON COUNCIL and Site Plan review (Unlisted Action) by the CITY OF POUGHKEEPSIE PLANNING BOARD.

The current project is an application for rezoning of a tax parcel on Milton Street in the City of Poughkeepsie from Medium Low-Density Residential (R-2) to Planned Residential Development (PRD) and Site Plan Approval for the construction of a 63-apartment unit clustered multifamily development within two buildings. The site is currently undeveloped and presently consists of upland hardwood forest, hardwood swamp, and upland shrubland along the Fall Kill Creek. The site is proposed to be served with central water and sewer from the City of Poughkeepsie. Development of the site will also involve the construction of the typical appurtenances associated with residences development such as lighting, asphalt drives, landscaping, sidewalk, pool, and pool house.

The project area is comprised of one parcel being 8.713 acres, Tax ID Number 6162-73-623227.

**Access**

Access to the proposed project will be from two new driveways off Milton Street.

**Parking**

The proposed project is required to provide 123 parking spaces per Section 19-4.3 of the City's Zoning Ordinance. As shown in Table 6, the proposed project will provide 124 parking spaces.

The CITY OF POUGHKEEPSIE PLANNING BOARD has been designated Lead Agency for the current project under consideration.

**Location:**

Milton Street, Tax Parcel Number 6162-73-623227.

**Required Permits and Approvals:**

1. Rezoning from R-2 to PRD – City of Poughkeepsie Common Council
2. Site Plan – City of Poughkeepsie Planning Board
3. Area Variances – City of Poughkeepsie Zoning Board of Appeals (TBD)
4. Driveway Permit - City of Poughkeepsie Department of Public Works
5. Floodplain Development Permit – City of Poughkeepsie Zoning Administrator
6. Water/Sewer Department approvals - Dutchess County Health Department
7. SPDES General Permit for Discharges during Construction Activities – New York State Department of Environmental Conservation

**Documents and Comments Reviewed and Considered by the Lead Agency:**

The applicant submitted application materials to the CITY OF POUGHKEEPSIE PLANNING BOARD including the following:

1. Correspondence from The Chazen Companies, dated February 11, 2020
2. Correspondence from The Chazen Companies, dated July 28, 2020
3. Correspondence from The Chazen Companies, dated December 2, 2020
4. Application for Rezoning dated December 5, 2019
5. Part I Full EAF by The Chazen Companies dated December 3, 2019, updated December 2, 2020
6. Natural Resource Inventory Analysis by Chazen Companies dated January 9, 2020

7. Concept Plan from The Chazen Companies dated February 11, 2020
8. Site Plan by The Chazen Companies last revised December 1, 2020
9. Grading and Utility Plan by The Chazen Companies last revised December 1, 2020
10. Landscape Plan by The Chazen Companies last revised December 1, 2020
11. Tree Removal Plan by The Chazen Companies last revised December 1, 2020
12. Wetlands Map by The Chazen Companies dated November 17, 2020
13. Threatened and Endangered Species Habitat Suitability Assessment Report by Ecological Solutions dated October 18, 2020
14. Correspondence from Office of Parks, Recreation and Historic Preservation (OPRHP), dated December 17, 2020
15. Correspondence from NYS DEC Environmental Engineering Technician, Division of Environmental Permits, dated January 19, 2021

The Planning Board initiated the environmental review of the project on October 20, 2020 by declaring its intent to be Lead Agency in a coordinated SEQR process. Notice of intent to be Lead Agency was then circulated to the City of Poughkeepsie Common Council, City of Poughkeepsie Zoning Board of Appeals, Dutchess County Planning Department and New York State Department of Environmental Conservation in line with Part 617 of Title 6 NYCRR. There was no objection to the designation.

The Planning Board considered the application, materials, comments and discussion at regular meetings on February 26, 2020, September 15, 2020, October 20, 2020, and December 15, 2020.

A duly notice public hearing on the matter was opened by the Common Council on November 16, 2020. At which two members of the public registered to speak. Written and oral comments were received by City Engineering Department; Dutchess County Department of Planning; and members of the public. Public comments received were in regards to visual and noise barriers between the proposed structures and Milton Street, dual access and egress driveways onto Milton Street to avoid one-way traffic, stormwater management, and protection of the Fall Kill Creek.

The Lead Agency has reviewed the proposed action to assess the severity of potential environmental impacts of the Rezoning and Site Plan and has determined that for the reasons set forth herein a Draft Environmental Impact Statement will not be required.

**Reasons Supporting This Determination:**

1. **Impact on Land (Part II EAF # 1)**

   **The proposed action may result in increased erosion, whether from physical disturbance or vegetation removal (including from treatment by herbicides).**

   Although the proposed action will disturb more than one acre and create stormwater runoff, paving or construction of other impervious surfaces will be occur only on approximately 20% of the project site and stormwater will be conveyed via swales and subsurface piping to an on-site stormwater bioretention basin. Additionally, the applicant will be required to provide a Grading Plan, Erosion and Sediment Control Plan, and a Stormwater Pollution Prevention Plan to be reviewed and approved by the City of Poughkeepsie Engineer.

   Accordingly, any potential adverse impacts to the land associated with the project would be avoided.

2. **Impact on Geological Features (Part II EAF # 2)**

   The project as designed will not result in a negative impact to the Geological Features of the project site as the project does not meet the threshold criteria as listed on the Part II EAF and does not contain any unique or unusual land forms on site. Furthermore, the proposed PRD zoning designation will permit minimal disturbance and protection of natural resources.

3. **Impact on Surface Waters (Part II EAF # 3)**

   **The proposed action may involve construction within or adjoining a freshwater or tidal wetland, or in the bed or banks of any other water body.**

   Although the proposed action will involve construction adjoining a freshwater wetland, the natural habitat along the banks of the Fall Kill and immediately adjacent to the wetland will remain. The nearest construction or clearing will occur approximately 120 feet from the nearest boundary of the wetland. Additionally, the applicant will be required to provide a Grading Plan, Erosion and Sediment Control Plan, and a Stormwater Pollution Prevention Plan to ensure that the adjoining Fall Kill Creek and wetland will not be negatively impact by sediment or stormwater runoff.

   Accordingly, any potential adverse impacts to the surface waters adjoining the project would be avoided.

4. **Impact on Groundwater (Part II EAF # 4)**

The project as designed will not result in a negative impact to the Groundwater on or near the project site as the project does not meet the threshold criteria as listed on the Part II EAF and will not result in new or additional use of ground water and is not expected to have potential to introduce contaminants to ground water or an aquifer.

**5. Impact on Flooding (Part II EAF # 5)**

**The proposed action may result in development within a 100 year floodplain.**

Although an area of the project site does fall within a 100 year floodplain, no construction will occur within the flood hazard area and minimal clearing and grading may occur. There will be a substantial buffer and distance between the proposed development and Fall Kill and the implementation of a SWPPP will ensure that no significant adverse impacts to the floodplain occur. Furthermore, a floodplain development permit application will be reviewed and approved by the City of Poughkeepsie Building Inspector prior to and grading or construction.

Accordingly, any potential adverse impacts to the floodplain associated with the project would be avoided.

**6. Impact on Air (Part II EAF # 6)**

The project as designed will not result in a negative impact to the Air Resources on or near the project site as the project does not meet the threshold criteria as listed on the Part II EAF as it does not include a state regulated air emission source.

**7. Impact on Plants and Animals (Part II EAF # 7)**

**The proposed action may result in a reduction or degradation of any habitat used by any rare, threatened or endangered species, as listed by New York State or the federal government.**

**The proposed action may substantially interfere with nesting/breeding, foraging, or over-wintering habitat for the predominant species that occupy or use the project site.**

Although there are known occurrences of the Blanding's Turtle (a threatened species as listed by NYS) on or in the vicinity of the project site, a Habitat Assessment dated October 18, 2020 noted no core habitat on/or immediately adjacent from the site. A January 21, 2020 letter from NYSDEC noted that the project site is within screening distance of a known record. In response, the applicant has created Blanding's Turtle Education and Encounter Plan for measures to take during construction and

operation of this project to minimize impacts to the species and to potential suitable habitat.

Since the USFWS has listed the Indiana Bat as a threatened/endangered species within the area, the applicant has incorporated conservation measures to ensure no impact to the species. The measures include minimal tree clearing (less than 20% of Project Area), scheduling of tree clearing during timeframes when bats are not resident on site, clear demarcation of proposed clearing areas to prevent inadvertent over clearing, and full-shielding of outdoor lights to minimize light pollution and potential adverse effect on bat foraging activities. The Planning Board will require that a note be added to the final site plan prohibiting the cutting of trees between the dates of October 1 and March 31.

Accordingly, any potential adverse impacts to Blanding's Turtles or Indian Bats associated with the project would be avoided.

**8. Impact on Agricultural Resources (Part II EAF # 8)**

The project is not located within an Agricultural District and therefore will not result in a negative impact to the Agricultural Resources.

**9. Impact on Aesthetic Resources (Part II EAF # 9)**

The project as designed will not result in a negative impact to the Aesthetic Resources on or near the project site as the project does not meet the threshold criteria as listed on the Part II EAF as it will not create an obvious change or sharp contrast in land use and is not readily visible from or within a scenic resource.

**10. Impact on Historic and Archeological Resources (Part II EAF # 10)**

According to the NYS Office of Parks, Recreation, and Historic Preservation (NYSOPRHP) Cultural Resource Information System (CRIS) mapping (Figure 8), the project site does not contain and is not adjacent to any National or State Historic Register sites or any sites that were determined to be eligible for listing on the National or State Historic Register. The CRIS mapping indicates that the project site is partially located within a known archeologically sensitive area. Consultation was undertaken with NYSOPRHP, which confirmed that "no properties, including archaeological and/or historic resources, listed in or eligible for the New York State and National Registers of Historic Places will be impacted by this project."

***See NYSOPRHP Letter dated December 17, 2020 prepared by Roger Daniel Mackay, Deputy Commissioner for Historic Preservation Division for Historic Preservation.***

**11. Impact to Open Space and Recreation (Part II EAF # 11)**

The project as designed will not result in any impact to Open Space or Recreational areas near the Project Area as the project does not meet the threshold criteria as listed on the Part II EAF as it does not include or is immediately adjacent to Open Spaces or Recreational Areas.

**12. Impact to Critical Environmental Areas (Part II EAF # 12)**

The project is not located within a Critical Environmental Area and therefore will not result in a negative impact to Critical Environmental Areas.

**13. Impact to Transportation (Part II EAF # 13)**

The project as designed will not result in any significant impact to existing transportation systems near the Project Area as the project does not meet the threshold criteria as listed on the Part II EAF as it will generate fewer than 100 peak hour vehicle trips per hour.

**14. Impact to Energy (Part II EAF # 14)**

The project will not result in a negative impact to the Energy resources in the area as the project does not meet the threshold criteria as listed on the Part II EAF.

**15. Impact to Noise, Odor and Lights (Part II EAF # 15)**

**The proposed action may result in light shining onto adjoining properties.**

**The proposed action may result in lighting creating sky-glow brighter than existing area conditions.**

Although the proposed action will include outdoor lighting, the city code of ordinances requires that light does not shine onto adjoining properties and that all lighting be fully-shielded and dark-sky compliant to reduce glare and sky glow impacts.

Accordingly, any potential adverse impacts with regards to outdoor lighting associated with the project would be avoided.

**16. Impact to Human Health (Part II EAF # 16)**

The project will not result in a negative impact to Human Health as the project does not meet the threshold criteria as listed on the Part II EAF and no impacts to Human Health have therefore been identified.

**17. <u>Consistency with Community Plans (Part II EAF # 17)</u>**

**The proposed action is inconsistent with local land use plans or zoning regulations.**

The proposed action includes a rezoning of the Project Area from Medium Low-Density Residential (R-2) to Planned Residential Development (PRD). If the action is successful the proposed action will be consistent with adopted land use plans and zoning regulations. Additionally, the proposed PRD zoning designation requires that the development be kept to the same density standards as the current R-2 zoning designation, which has a minimum lot area of 6,000 SF per dwelling unit, for maximum of 63 dwelling units. Flexibility of building placement and form permitted within the PRD allows units to be clustered into two multi-family buildings rather than spread out as detached single-family homes. This allows for development that will better conform to the natural conditions and constraints of the site, as noted in the City's adopted Natural Resource Inventory.

**18. <u>Impact to Community Character (Part II EAF # 18)</u>**

The project will not result in a negative impact to Community Character as the project does not meet the threshold criteria as listed on the Part II EAF and no impacts to Community Character have therefore been identified.

For Further Information: Chairman Robert S. Levine
CITY OF POUGHKEEPSIE PLANNING BOARD
Poughkeepsie NY 12601

THIS NEGATIVE DECLARATION WAS AUTHORIZED AT A MEETING OF THE LEAD AGENCY HELD ON JANUARY 20, 2021.

Motion: Marjorie Smith
Seconded: Anne Saylor
Roll Call Vote:
Robert Levine, Chair - Aye
Robert Mallory - Aye
Rosaura Andujar-McNeil - Aye
Marjorie Smith - Aye
Anne Saylor - Aye

A copy of this Type I Negative Declaration must be filed with:

The Clerk of the City of Poughkeepsie

The City of Poughkeepsie Planning Board

The City of Poughkeepsie Common Council

The New York State Department of Environmental Conservation

Any person who has requested a copy

Applicant

MEMORANDUM

To: Nathan Shook, Zoning Board of Appeals Chairman, City of Poughkeepsie
Members of the Zoning Board of Appeals, City of Poughkeepsie
Natalie Quinn, Planning Director, City of Poughkeepsie

From: Thomas R. Johnson, PE, PTOE, Director of Transportation Services, Chazen Companies

cc: Caren LoBrutto, Senior Planner, Chazen Companies
Timothy Lynch, Senior Landscape Architect, Chazen Companies

Date: August 24, 2021

Re: Highview at the Fallkill Creek, City of Poughkeepsie, NY

Job #: 81947.00

*Highview at the Fallkill Creek* is proposed as a 63unit apartment project. Direct access to the site will be from Fitchett Street and West Arnold Road. Site traffic will then use Mansion Street to disperse for travel to the north, south, east, and west. Other local roads likely to be used by site traffic include Corlies Avenue, Pershing Avenue, Innis Avenue, and Smith Street.

The *Trip Generation Manual, 10th Edition* published by the Institute of Transportation Engineers (ITE) is the industry-standard resource for estimating the traffic generated by various types of land uses and it was used to estimate the site generated trips for this project. Based on data for Multifamily Housing-Mid Rise (Land Use Code 221), the proposed project will generate 22 total trips in the weekday morning and 29 total trips in the evening peak periods. This is a minimum amount of traffic that will be added to the surrounding roadway network, representing about 1 trip every 3 to 10 minutes for the entering and exiting movements.

**Table 1**
**Peak Hour Generated Trips**

| Land Use | AM Peak Hour | | | PM Peak Hour | | |
|---|---|---|---|---|---|---|
| | Enter | Exit | Total | Enter | Exit | Total |
| LUC 221: Multifamily Housing-Mid Rise | 6 | 16 | 22 | 17 | 11 | 28 |

A traffic impact study was completed in 2005 for this project. At that time, the project consisted of 163 units and was estimated to generate 76 and 90 total trips for the weekday morning and afternoon peak periods. The traffic study concluded that the project at 163 units would have minimal impact as the studied intersections would continue to operate at acceptable levels of service. Therefore, at the currently proposed 63-units with reduced volumes this project will also have minimal traffic impacts. No improvements are needed.

Additionally, historic traffic volumes collected on roadways in the vicinity of the site were reviewed using NYSDOT's *Traffic Data Viewer*. The data shows that volumes for Mansion Street, Corlies Avenue, Innis Avenue, and Smith Street have decreased between 2012 and 2019 on the order of 1% to 15%. This is further indication that the surrounding roadways expected to serve the proposed project have the capacity available to accommodate the site traffic.

As part of previous coordination with Councilwoman Yvonne Flowers and community members, the original single entry was reconfigured to two access points, with one-way exit off Fitchett Street and one-way entrance off West Arnold Street. By breaking up the single entry/exit into two accesses there will be a reduction in the number of conflict points as compared to a single access. In other words, entering and exiting left-turn movements, normally the critical movements at an intersection, will be separated and will not be overlapping. This will also minimize queuing on-site and on Milton Avenue. As it relates to potential conflicts with other traffic on Milton Street this is not considered an issue because there is only one other driveway with access off Milton Street. All other neighborhood traffic is anticipated to travel south on Fitchett Street or West Arnold as Milton Street is not a through street and provides no other connections.

# CITY OF POUGHKEEPSIE
# ZONING BOARD OF APPEALS
# DECISION

In the matter of the appeal of Maselo Realty, LLC, regarding the property at Milton Street (Grid #6162-73-623227), Poughkeepsie, New York:

At a Regular Meeting of the Zoning Board of Appeals held on the 14th day of September, 2021, at 6:30pm:

**Present**
Nathan Shook Chair
John Gildard
Thomas Klug
Rob Page (arrived late)
Scott Parker
Steven Reifler

**Excused**
Jessica Vinall

WHEREAS, the Zoning Board of Appeals has received an application from Maselo Realty, LLC, relative to the proposed multi-residential development on Milton Street, consisting of two buildings containing a total of 63 units, with a swimming pool and accessory surface parking, requiring the following variances:

- Section 19-3.18(4)(h) requires that a PRD shall have access to an arterial street, as defined in the City of Poughkeepsie ordinances and regulations. An arterial street is defined by the Zoning Ordinance as "a street providing for through traffic movement between areas and across the city with direct access to abutting property. The street is subject to required traffic control of entrances, exits and curb use." As Milton Street is not an arterial street, the applicant is seeking full relief from this section of the code.
- Section 19-3.183(b) requires that A buffer strip shall be provided along the property line and along any street line. Said strip shall be at least 50 feet in depth, measured inward from the street line or property line. This strip shall be suitably landscaped with grass and shrubs, trees or other ground cover or such screening as the Planning Board may prescribe. No parking shall be permitted in this area. The parking area, drive aisle and refuse enclosure of the development encroaches into the required buffer with a set-back of 9 feet; the applicant is seeking a variance of 41 feet.
- Section 19-3.18(3)(b) provides that in no event shall any structure or building be permitted closer than 120 feet from any residence on any property abutting the PRD property and shall be suitably landscaped with grass and shrubs, trees or other ground cover or such screening as the Planning Board may prescribe. The refuse enclosure of the development encroaches into the required buffer with a 94.8 foot set-back; the applicant is seeking a variance of 25.2 feet.

WHEREAS, the application was accompanied by supporting documentation including a Title Sheet (G001), Site Plan (C130) and a Landscape Plan (C180), all dated 5/25/21, prepared by Chazen Companies; and,

WHEREAS, a public hearing was held on July 13, 2021 and September 14, 2021; and,

WHEREAS, the applicant has demonstrated that the granting of the area variance will not produce an undesirable change in the character of the neighborhood, and will not be a detriment to nearby properties; and,

WHEREAS, the applicant has demonstrated that there is no other feasible method to achieve compliance at this time; and,

WHEREAS, the applicant has demonstrated that the variance requested is not substantial; and,

WHEREAS, the applicant has demonstrated the granting of the variance will not have an adverse effect or impact on the physical or environmental conditions in the neighborhood; and,

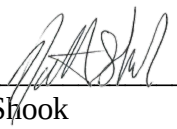
WHEREAS, the applicant has demonstrated that the need for the variances is not necessarily self-created:

NOW THEREFORE BE IT FURTHER RESOLVED that the City of Poughkeepsie Zoning Board of Appeals hereby grants the area variances as noted above, with the following conditions:

- Through the site plan review process with the Planning Board, the applicant shall investigate potentially beneficial traffic control measures for Milton Street, Arnold Road and Fitchett Street, and propose any measures as a means of mitigate adverse traffic impacts on the surrounding neighborhood as deemed appropriate

Motion: Steven Reifler
Second: Thomas Klug
Carried: 6:0:0

The motion to grant the variances carried unanimously.



Nathan Shook
Chairman
Zoning Board of Appeals

APPLICATION TO THE PLANNING BOARD
CITY OF POUGHKEEPSIE, NEW YORK

# Application for Site Plan, Special Permit & Facade Approval

OFFICE USE ONLY

CODE: PLSF

ID #_____

FEE: _____
Total, from:
$500, plus
$_____
($150 per 1000 square feet of floor area), plus
$_____
($35 per number of required parking spaces), plus
$_____
($500 for special permit, if applicable)

**I. PROPERTY ADDRESS:** 134-136 South Ave Poughkeepsie NY 12601

**II. PROPERTY OWNER:** 134-136 South Ave LLC / Brian Trematore
**ADDRESS:** 5 Daniel Rd

Fairfield, NJ 07004 (state and zip code)

**PHONE NUMBER**: 973.227.8330 (include area code)

**III. NAME OF APPLICANT**: AE Baxter LLC / Eric Baxter

**ADDRESS:** 278 Mill St.
Suite 100
Poughkeepsie, NY 12601 (state and zip code)

**PHONE NUMBER**: 845.471.1047 (include area code)

**EMAIL ADDRESS:** eric@baxterbuilt.com

(If applicant is NOT the owner, proof of owner's consent to the application MUST be provided.)

**IV. CONSULTANT**: Anderson Design Group / Jason Anderson

**ADDRESS:** 25 Wallkill Ave

Montgomery, NY 12549 (state and zip code)

**PHONE NUMBER**: 845.294.2724 (include area code)

**V. PROPOSED USE or FAÇADE CHANGE** (Summarize proposed use or uses):

Mixed use building with 3 commercial spaces and 15 apartment units

**VI. ZONING DISTRICT**: C-1

***(Proceed to XVII for special permit & façade approval only)***

## PROJECT INFORMATION

New construction: X (yes)_____ (no)

Change of use:_____ (yes) X (no)

Expansion/addition:_____ (yes) X (no)

Alteration:_____ (yes) X (no)

Cost of Construction: $$3.5m

**LOT AND BULK INFORMATION**:

Lot area: 0.28 (acres) 12,378.7 (square feet)

Building Footprint: 4,127 SF (proposed square feet for new construction)

_____ (existing square feet for change of use/expansion)

_____ (additional proposed square feet for expansion)

4,127 SF (total building footprint, square feet)

Lot Coverage: 33.2% (percentage, building coverage only)

Gross Floor Area: 12,157 SF (proposed square feet for new construction)

_____ (existing square feet for change of use/expansion)

_____ (additional proposed square feet for expansion)

12,157 SF (total gross floor area, square feet)

Building Height: 3 (stories) 34 (feet)

Floor Area Ratio: 0.98 (ratio of gross floor area divided by lot area)

## VIII. PROJECT PARKING INFORMATION

A) Number of Off-Street Parking Spaces required: 32

B) Number of Off-Street Parking Spaces provided: 22

C) Waiver Requested: X (Yes) _____ (No)

Is municipal parking available within 600 feet? _____ (Yes) X (No)

If yes, name all such municipal facilities: _____

_____

_____

(If a waiver is requested based on proximity to municipal facilities, a written request for such waiver, addressed to the City Planning Staff and the Chairman of the Planning Board, must be submitted with the application.)

If a private parking facility is to be utilized, is such facility within 600 feet?

_____ (Yes) X_____ (No)

If yes, provide the address of the facility, name of the property owner, number of spaces in the lot, number of spaces available for lease, and length of lease. Attach copy of lease. Additional information may be required by the Planning Board): _____

_____

_____

_____

## IX. RESIDENTIAL PROPOSALS

A) Type of Development: Mixed Use
(Townhouse, condominium, multiple residence rental, etc.)

B) Unit Breakdown:

Number of efficiency or "studio" units: 0

Number of one (1) bedroom units: 11

Number of two (2) bedroom unit's 4

Number with three or more bedrooms: 0

Total number of units: 15

C) Is funding public? ____ Yes X___ No

If yes, describe funding source: _____

## X. OFFICE PROPOSALS (____ Medical/Dental ____ Professional ____ Business)

A) Number of Employees: _____

B) Number of doctors/dentists/medical practitioners: _____

C) Days/Hours of Operation: _____

**XI. SERVICE BUSINESS PROPOSALS**

A) Specify Business: _____
(e.g., laundromat, drycleaner, beauty parlor, travel agency, banks)

B) Number of Employees: _____

C) Number of Washing Machines (for laundromat): _____

D) Days/Hours of Operation: _____

**XII. MERCANTILE PROPOSALS** (Retail X Wholesale _____)

A) Type of Mercantile (specify): TBD

B) Number of Employees: TBD

C) Days/Hours of Operation: 9AM-6PM

**XIII. STANDARD RESTAURANT/FAST FOOD RESTAURANT/COFFEE SHOP/DONUT SHOP/NIGHTCLUB/DISCOTHEQUE/BAR PROPOSALS**

A) Specify Use: _____

B) Number of seats (excluding bar stools and outdoor seating):_____

C) Meals served (i.e., breakfast, lunch, dinner): _____

D) Type of Menu: _____

E) Days/Hours of Operation: _____

F) Entertainment (live and/or recorded):_____

G) Will the restaurant contain a bar/lounge?: _____ Yes _____ No

H) If yes, how many seats at the bar? _____

I) Is a drive-through window proposed? _____

J) Is a walk-up window proposed? _____

K) Is an outdoor seating area proposed? _____

L) If yes, how many seats are proposed? _____

M) If yes, is outdoor cooking proposed? _____

**XIV. INDUSTRIAL/COMMERCIAL PROPOSALS** (Automobile repair, taxi, motor vehicle sales, warehouse, manufacturing, animal hospital, research facilities, etc.)

A) Specify Use: _____

B) Number of shifts (if any): _____

C) Number of employees: _____
(If shifts are proposed, list number of employees per shift)

E) Number of work bays (if automobile repair): _____

F) Days/Hours of operation: _____

**XV. EDUCATIONAL/INSTITUTIONAL/RECREATIONAL PROPOSALS** (e.g., Museums, Theatres, Conference Centers, Hotels, Motels, Hospitals, Nursing Homes, Assisted Living Facilities, Nursery Schools, Private Schools, Day Care Centers, Places of Worship, Marinas, Membership Clubs, etc.)

A) Specify: _____

B) Number of shifts (if any): _____

C) Number of employees: _____
(If shifts are proposed, list number of employees per shift)

D) Number of beds (hospitals, nursing homes, etc): _____

E) Number of seats in largest assembly space: _____

F) Number of classrooms (schools): _____

G) Number of rental units (hotels, motels, etc.) _____

H) Number of boat slips/courts (e.g., tennis, handball, etc.), alleys: _____

I) Days/Hours of Operation: _____

**XVI. PROPOSALS NOT MENTIONED ABOVE** (Please be specific):

_____

_____

_____

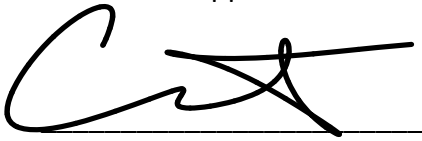
_____

_____

**XVII. APPLICANT CERTIFICATION**

I, Eric Baxter _____, certify that the this application has addressed the objectives outlined in the Zoning Ordinance with consideration given to the public health, safety and welfare; the comfort and convenience of the public in general or the residents or users of the proposed development and of the immediate neighborhood.

The applicant certifies that all information contained herein is accurate and complete as of the date of this application.



_____ 8/31/2021 _____

Signature of Applicant Date

134 – 136 South Ave
City of Poughkeepsie Planning Board
October 1, 2021

To whom it may concern,

Thank you for having us present the 134 – 136 South Ave project during the last planning board meeting. We are excited to get started on this project and glad that the board shares our excitement to create this connection between the Vassar Brothers Medical Center and the residential area it borders.

In this resubmission, we have addressed the comments we received after our presentation. Regarding the parking concerns that were expressed, we have included a detailed map that shows where there is on-street parking available as well as permit parking. As well, we have included the availability throughout the day of on-street parking in the immediate vicinity of the project. We made an effort to speak with the parking department of Poughkeepsie to inquire about the availability of permit parking along Reade Place. Lastly, we revised our renderings and exterior elevations to implement the comments from members of the planning board.

Once again, we want to thank the entire planning board in supporting us with this project. We hope that these revisions will allow you to move forward with the 134 – 136 South Ave project and assist us in creating additional housing and commercial space that envisions a new cornerstone in the community.

Best Regards,

Eric Baxter
Baxter Development

# 134-136 SOUTH AVE

## SITE PLAN

SOUTH AVE
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NEW YORK

PARCEL INFORMATION:
TAX ID: 6061-44-956742
TOTAL LOT AREA: ±0.28 ACRES
C-1 NEIGHBORHOOD COMMERCIAL ZONING DISTRICT




AREA MAP SCALE: 1" = 200'

OWNER:
134-136 SOUTH AVENUE, LLC
5 DANIEL ROAD
FAIRFIELD, NEW JERSEY 07004
PH: 973-227-8330

APPLICANT:
AE BAXTER, LLC
278 MILL STREET, SUITE 100
POUGHKEEPSIE, NY 12601
PH: 845-471-1047

PROJECT ENGINEER:
HUDSON LAND DESIGN
PROFESSIONAL ENGINEERING P.C.
174 MAIN STREET
BEACON, NEW YORK 12508
PH: 845-440-6926
F: 845-440-6637

PROJECT ARCHITECT:
ANDERSON DESIGN GROUP
25 WALLKILL AVENUE
MONTGOMERY, NY 12549
PH: 845-294-2724

PROJECT SURVEYOR:
MASER CONSULTING, P.A.
18 COMPUTER DRIVE EAST
SUITE 203
ALBANY NY 12205
PH: 518-459-3252
F: 518-459-3284

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## GENERAL NOTES:

1. THE OWNER/APPLICANT WISHES TO RAZE THE EXISTING BUILDING LOCATED AT 134-136 SOUTH AVENUE, POUGHKEEPSIE NY, AND CONSTRUCT A NEW 3-STORY MULTI-USE BUILDING GENERALLY IN ITS PLACE. THE FIRST FLOOR WILL PROVIDE ±2,017 SQUARE FEET OF COMMERCIAL SPACE PLUS THREE 1-BEDROOM RESIDENTIAL APARTMENT UNITS, AND THE SECOND AND THIRD FLOORS WILL PROVIDE A TOTAL OF EIGHT 1-BEDROOM AND FOUR 2-BEDROOM RESIDENTIAL APARTMENT UNITS.
2. MULTI-USE BUILDINGS ARE SPECIALLY PERMITTED IN THE C-1 NEIGHBORHOOD COMMERCIAL ZONING DISTRICT.
3. EXISTING FEATURES AS SHOWN ON THIS SITE PLAN PROVIDED BY A SURVEY ENTITLED "BOUNDARY AND TOPOGRAPHIC SURVEY FOR B&A REALTY MANAGEMENT" PREPARED BY MASER ASSOCIATES AND DATED NOVEMBER 13, 2017.
4. THE SITE DOES NOT CONTAIN ANY WETLANDS, WATERCOURSES OR FLOODPLAINS PER AVAILABLE GIS MAPPING.
5. THE PROJECT IS SERVICED BY PUBLIC WATER AND SEWER FROM THE CITY OF POUGHKEEPSIE.

## GENERAL CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL PERFORM A UTILITIES CALL-OUT PRIOR TO CONSTRUCTION TO VERIFY ALL UNDERGROUND UTILITY LOCATIONS BY CONTACTING UFPO @ 1-800-962-7962.
2. WATER, SEWER AND STORM SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PLANS. ALL OTHER UTILITIES (TELEPHONE, ELECTRIC, GAS, CABLE, ETC.) SHALL BE INCORPORATED FOLLOWING SITE PLAN APPROVAL. ALL SUCH UTILITY DESIGNS SHALL BE DEVELOPED IN COOPERATION WITH THE RESPECTIVE UTILITY COMPANIES.
3. THE CONTRACTOR SHALL FIELD VERIFY THE SIZE, LOCATION, DEPTH AND CONDITION OF ALL UTILITIES AND REPORT ANY DISCREPANCIES TO THE ENGINEER. THE CONTRACTOR SHALL NOT ASSUME THAT ALL LOCATIONS AS SHOWN ON THE PLAN ARE CORRECT.
4. THE CONTRACTOR SHALL CONSTRUCT ALL IMPROVEMENTS AS SHOWN ON PLANS. ANY FIELD CONDITIONS THAT MAY RESULT IN A VARIATION FROM THE PLAN SET SHALL BE BROUGHT TO THE ENGINEERS ATTENTION IN WRITING. VARIATIONS FROM THE PLAN WITHOUT APPROVAL FROM THE ENGINEER WILL BE CONSIDERED DEFICIENT.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ON-SITE OR OFF-SITE DAMAGES TO VEGETATION OR PROPERTY CAUSED BY HIS OPERATIONS. SUCH DAMAGES SHALL BE REPAIRED OR REPLACED AT THE CONTRACTORS COST TO THE SATISFACTION OF THE ENGINEER, PROPERTY OWNER OR AGENCY HAVING JURISDICTION.
6. THE CONTRACTOR SHALL SECURE ALL NECESSARY PERMITS PRIOR TO CONSTRUCTION.
7. THE CONTRACTOR SHALL SECURE THE WORK LIMITS OF THE SITE BY INSTALLATION OF CONSTRUCTION FENCING AND OTHER MEASURES, AS NECESSARY TO PREVENT NON-AUTHORIZED ENTRY.
8. THE CONTRACTOR SHALL KEEP THE SITE IN A CLEAN AND ORDERLY MANNER.
9. THE CONTRACTOR SHALL NOT INTERRUPT EXISTING ACCESS OR OPERATIONS FOR THE REMAINDER OF THE SITE.

## LANDSCAPING NOTES:

1. THE LANDSCAPE CONTRACTOR SHALL CAREFULLY COORDINATE CONSTRUCTION ACTIVITIES WITH THAT OF THE EARTHWORK CONTRACTOR AND OTHER SITE DEVELOPMENT.
2. THE CONTRACTOR SHALL VERIFY DRAWING DIMENSIONS WITH ACTUAL FIELD CONDITIONS AND INSPECT RELATED WORK AND ADJACENT SURFACES. THE CONTRACTOR SHALL VERIFY THE ACCURACY OF ALL FINISH GRADES WITHIN THE WORK AREA. THE CONTRACTOR SHALL REPORT TO THE ENGINEER AND OWNER ALL CONDITIONS WHICH PREVENT PROPER EXECUTION OF THIS WORK.
3. THE EXACT LOCATION OF ALL EXISTING UTILITIES, STRUCTURES AND UNDERGROUND UTILITIES, WHICH MAY NOT BE INDICATED ON THE DRAWINGS, SHALL BE DETERMINED BY THE CONTRACTOR. THE CONTRACTOR SHALL PROTECT EXISTING STRUCTURES AND UTILITY SERVICES AND IS RESPONSIBLE FOR THEIR REPLACEMENT IF DAMAGED.
4. THE CONTRACTOR SHALL KEEP THE PREMISES FREE FROM RUBBISH AND ALL DEBRIS AT ALL TIMES AND SHALL ARRANGE MATERIAL STORAGE SO AS NOT TO INTERFERE WITH THE OPERATION OF THE PROJECT. ALL UNUSED MATERIALS, RUBBISH AND DEBRIS SHALL BE REMOVED FROM THE SITE.
5. TREES SHALL BE PLANTED CLEAR OF EXISTING OR PROPOSED UTILITY LINES.
6. QUALITY ASSURANCE:
   A. PLANT NAMES SHALL CONFORM TO THE LATEST EDITION OF "STANDARDIZED PLANT NAMES" AS ADOPTED BY THE AMERICAN JOINT COMMITTEE ON HORTICULTURAL NOMENCLATURE.
   B. SIZE AND GRADING: PLANT SIZES AND GRADING SHALL CONFORM TO THE LATEST EDITION OF "AMERICAN STANDARD FOR NURSERY STOCK" AS SPONSORED BY THE AMERICAN ASSOCIATION OF NURSERYMEN, INC (AAN), UNLESS OTHERWISE SPECIFIED.
   C. NURSERY SOURCE: OBTAIN FRESHLY DUG, HEALTHY, VIGOROUS PLANTS NURSERY GROWN UNDER CLIMACTIC CONDITIONS SIMILAR TO THOSE IN THE LOCALITY OF THE PROJECT FOR A MINIMUN OF 2 YEARS. PLANTS SHALL HAVE BEEN LINED OUT IN ROWS, ANNUALLY CULTIVATED, SPRAYED, PRUNED AND FERTILIZED IN ACCORDANCE WITH GOOD HORTICULTURAL PRACTICE. ALL PLANTS SHALL HAVE BEEN TRANSPLANTED OR ROOT PRUNED AT LEAST ONCE IN THE PAST 3 YEARS. BALLED AND BURLAPPED PLANTS MUST COME FROM SOIL WHICH WILL HOLD A FIRM ROOT BALL. HEELED IN PLANTS AND PLANTS FROM COLD STORAGE ARE NOT ACCEPTABLE.
   D. SUBSTITUTIONS: DO NOT MAKE SUBSTITUTIONS OF TREES AND/OR SHRUB MATERIALS. IF REQUIRED LANDSCAPE MATERIAL IS NOT OBTAINABLE, SUBMIT PROOF OF NON-AVAILABILITY AND PROPOSAL FOR USE OF EQUIVALENT MATERIAL.
   E. SEEDING & PLANTING SEASONS AND TIMING CONDITIONS: UNLESS OTHERWISE DIRECTED IN WRITING PLANT TREES AND SHRUBS FROM MARCH 15 TO JUNE 1, AND FROM AUGUST 15 TO OCTOBER 30.
7. SEEDING & PLANTING SEASONS AND TIMING CONDITIONS:
   A. UNLESS OTHERWISE DIRECTED IN WRITING PLANT TREES AND SHRUBS FROM MARCH 15 TO JUNE 1, AND FROM AUGUST 15 TO OCTOBER 30.

## UTILITY NOTES:

1. ALL WATER & SEWER CONNECTIONS SHALL COMPLY WITH CITY WATER AND SEWER DISTRICT REQUIREMENTS.
2. THE RAW SEWER LINE SHALL BE SET TO ENSURE GRAVITY FLOW FROM THE BUILDING TO THE POINT OF CONNECTION WITH THE EXISTING SEWER MAIN, WHILE MAINTAINING PROPER EARTH COVER ABOVE ALL PIPING.
3. NO CELLAR, ROOF, OR FOOTING DRAINS SHALL BE DISCHARGED INTO THE SANITARY SEWER SYSTEM.
4. THE SEWER LATERAL, IF REQUIRED, SHALL BE THE SAME SIZE AS THE EXISTING SERVICE LINE CONNECTION WITH GASKETED WATERTIGHT JOINTS AND SHALL BE LAID WITH A MINIMUM SLOPE. ACCEPTABLE TO THE SEWER DEPARTMENT AND PROJECT ENGINEER.
5. INVERT AND LOCATION OF EXISTING STORMWATER LINES, SANITARY SEWER MAINS, AND WATER MAINS ARE APPROXIMATE. CONTRACTOR TO FIELD VERIFY LOCATION AND CONDITION OF EXISTING INFRASTRUCTURE PRIOR TO CONSTRUCTION.
6. ROOF LEADERS WILL BE CONNECTED TO THE NEAREST STORMWATER MANHOLE TO THE EAST OF THE BUILDING.

## GRADING & DRAINAGE NOTES:

1. PROPOSED EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES AND SHALL BE CONTINUALLY IN PLACE UNTIL THE END OF CONSTRUCTION AND STABILIZATION OF DISTURBED EARTH. REFER TO THE E&SC PLAN.
2. NYSDEC SPDES GENERAL PERMIT 0-20-001 COVERAGE IS NOT REQUIRED BASED ON THE SOIL DISTURBANCE ASSOCIATED WITH THE PROJECT BEING LESS THAN ONE (1) ACRE IN AREA.
3. THE CONTRACTOR SHALL ENSURE THAT THERE ARE NO AREAS OF TRAPPED DRAINAGE FOLLOWING CONSTRUCTION. POSITIVE PITCH TO PROMOTE OVERLAND FLOW TO ADEQUATE DISCHARGE LOCATIONS IS REQUIRED.
4. SPOT ELEVATIONS ALONG CURB LINE REPRESENT BOTTOM OF CURB ELEVATION UNLESS OTHERWISE NOTED.

## DRAWING INDEX:


SHEET 1: COVER SHEET (CV-1)
SHEET 2: EXISTING CONDITIONS & REMOVALS PLAN (XC-1)
SHEET 3: SITE PLAN (SP-1)
SHEET 4: GRADING PLAN (GD-1)
SHEET 5: EROSION & SEDIMENT CONTROL PLAN (EC-1)
SHEET 6: UTILITY PLAN (UT-1)
SHEET 7: UTILITY PROFILES (PR-1) (TO BE PROVIDED)
SHEET 8: LANDSCAPING PLAN (LS-1) (TO BE PROVIDED)
SHEET 9: LIGHTING PLAN (LT-1) (TO BE PROVIDED)
SHEET 10: CONSTRUCTION DETAILS (CD-1)
SHEET 11: CONSTRUCTION DETAILS (CD-2)
SHEET 12: CONSTRUCTION DETAILS (CD-3)


## PROJECT INFORMATION:

| | |
|---|---|
| PARCEL OWNER: | 134-136 SOUTH AVENUE, LLC, 5 DANIEL ROAD, FAIRFIELD, NJ 07004 |
| APPLICANT: | AE BAXTER, LLC, 278 MILL STREET, SUITE 100, POUGHKEEPSIE NY 12601 |
| PROJECT ENGINEER: | HUDSON LAND DESIGN P.C., 174 MAIN STREET, BEACON NY 12508 |
| PROJECT ARCHITECT: | ANDERSON DESIGN GROUP, 25 WALLKILL AVENUE, MONTGOMERY, NY 12549 |
| PROJECT SURVEYOR: | MASER CONSULTING, P.A., 18 COMPUTER DRIVE EAST, SUITE 203, ALBANY NY 12205 |
| PARCEL LOCATION: | 134-136 SOUTH AVENUE POUGHKEEPSIE, NY 12601 |
| TAX PARCEL ID: | 6061-44-956742 |
| PARCEL AREA: | ±0.28 ACRES |
| WATER SUPPLY: | MUNICIPAL - CITY OF POUGHKEEPSIE |
| SEWAGE DISPOSAL: | MUNICIPAL - CITY OF POUGHKEEPSIE |

## ADJOINING OWNERS:

| |
|---|
| PARCEL: OWNER & ADDRESS PER FINAL ROLL MAY 1, 2018 |
| 1: KULLMAN, KENNETH; 21 MARWILL STREET ALBANY, NY 12209 |
| 2: B A G RITE AID #188 LP; PO BOX 3165 HARRIDBURG, PA 17105 |
| 3: ABDELRAZAQ AGHA; 40 PHILLIPS AVE HIGHLAND; NY 12528 |
| 4: 84 NEW HACKENSACK LLC; 84 NEW HACKENSACK ROAD WAPPINGERS FALLS, NY 12590 |
| 5: NEVILLE MCDONALD; 8 MARTIN DRIVE POUGHKEEPSIE, NY 12603 |
| 6: FRANCIS J MILLER JR.; 2 READE PLACE, POUGHKEEPSIE, NY 12601 |
| 7: 130 SOUTH AVENUE, LLC.; 35 BEECHWOOD AVENUE POUGHKEEPSIE, NY 12601 |

## ADA CONSTRUCTION NOTES:

1. ADA ACCESSIBLE COMPONENTS AND ACCESS ROUTES FOR THE SITE MUST COMPLY WITH ALL APPLICABLE STATE AND LOCAL ACCESSIBILITY LAWS AND REGULATIONS AND THE CURRENT ADA STANDARDS. FINISHED SURFACES ALONG THE ACCESSIBLE ROUTE FROM PARKING SPACE OR PEDESTRIAN ACCESS TO POINTS OF ACCESSIBLE BUILDING INGRESS/OR EGRESS, MUST COMPLY WITH ADA REQUIREMENTS. THESE INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING:
   1.1. PARKING SPACES AND PARKING AISLES - SLOPE SHALL NOT EXCEED 1:48 IN ANY DIRECTION.
   1.2. CURB RAMPS - SLOPE MUST NOT EXCEED 1:12 (8.3%) FOR A MAXIMUM OF SIX (6) FEET.
   1.3. LANDINGS - MUST BE PROVIDED AT EACH END OF RAMPS, MUST PROVIDE POSITIVE DRAINAGE, AND MUST NOT EXCEED 1:48 IN ANY DIRECTION.
   1.4. PATH OF TRAVEL ALONG ACCESSIBLE ROUTE - MUST PROVIDE A 36-INCH OR GREATER UNOBSTRUCTED WIDTH OF TRAVEL. THE SLOPE MUST BE NO GREATER THAN 1:20 IN THE DIRECTION OF TRAVEL, AND MUST NOT EXCEED 1:48 IN CROSS SLOPE. WHERE PATH OF TRAVEL WILL BE GREATER THAN 1:20, ADA RAMP STANDARDS MUST BE MET WITH A MAXIMUM SLOPE OF 1:12, FOR A MAXIMUM RISE OF 30 INCHES. RAMPS MUST HAVE ADA HAND RAILS AND LANDINGS AT BOTH THE TOP AND BOTTOM OF EACH RAMP, WITH CROSS SLOPES NO MORE THAN 1:48 IN ANY DIRECTION.
   1.5. DOORWAYS - MUST HAVE A LANDING AREA ON THE EXTERIOR SIDE OF THE DOOR THAT IS SLOPED AWAY FROM THE DOOR NO MORE THAN 1:48 AND MUST BE NO LESS THAN 60 INCHES LONG.
2. WHEN THE PROPOSED CONSTRUCTION INCLUDES CONNECTION TO EXISTING ADA COMPONENTS, CONTRACTOR MUST VERIFY EXISTING ELEVATIONS SHOWN. NOTIFY THE DESIGN ENGINEER IMMEDIATELY IF THERE ARE ANY DISCREPANCIES OR FIELD CONDITIONS THAT DIFFER FROM WHAT IS SHOWN BEFORE COMMENCING WORK. CONSTRUCTED IMPROVEMENTS MUST COMPLY WITH THE MAXIMUM AND MINIMUM ADA REQUIREMENTS.
3. THE CONTRACTOR MUST VERIFY THE SLOPES OF THE FORMWORK PRIOR TO POURING CONCRETE. CONTRACTOR IS RESPONSIBLE FOR ALL COSTS TO REMOVE, REPAIR AND REPLACE NON-CONFORMING CONCRETE.

## EROSION AND SEDIMENT CONTROL NOTES:

1. NYSDEC SPDES GENERAL PERMIT 0-20-001 COVERAGE IS NOT REQUIRED BASED ON THE SOIL DISTURBANCE ASSOCIATED WITH THE PROJECT BEING ±0.34 ACRES (LESS THAN ONE 1 ACRE IN AREA, THEREFORE SPDES IS NOT REQUIRED).
2. ALL EROSION CONTROL MEASURES EMPLOYED DURING THE CONSTRUCTION PROCESS SHALL BE INSPECTED BY THE CONTRACTOR IN ACCORDANCE WITH THE MAINTENANCE SCHEDULE. ALL EROSION CONTROL STRUCTURES SHALL BE REPAIRED AND MAINTAINED AS NECESSARY BY THE CONTRACTOR.
3. ALL STORMWATER SYSTEMS (E.G. BASINS) SHALL BE REGULARLY INSPECTED FOR SEDIMENT ACCUMULATIONS.
4. ALL EROSION CONTROL INSTALLATION AND MAINTENANCE MEASURES SHALL MEET THE REQUIREMENTS OF THE NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL.
5. STOCKPILES, IF NEEDED, SHALL BE LOCATED IN AREAS AWAY FROM STORM DRAINAGE AND SHALL BE PROPERLY PROTECTED FROM EROSION BY A SURROUNDING SILT FENCE.
6. PERMANENT SEEDED AREAS FOR EROSION CONTROL SHALL BE IN ACCORDANCE WITH DETAIL AND SPECIFICATIONS ON THE DETAILS SHEET.
7. AREAS UNDERGOING CLEARING OR GRADING AND WHERE WORK IS DELAYED OR COMPLETED AND WILL NOT BE REDISTURBED FOR A PERIOD OF 21 DAYS OR MORE SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT VEGETATIVE COVER WITHIN 14 DAYS.
8. ON-SITE DUST CONTROL SHALL BE ACCOMPLISHED BY STANDARD METHODS OF LIGHTLY WATERING ALL EXPOSED SOIL AND RAPIDLY STABILIZING THE REGRADED AREAS WITH TOPSOIL, LOAM AND/OR SEEDING.
9. THE CITY ENGINEER AND PROJECT ENGINEER SHALL BE NOTIFIED NO LESS THAN 48 HOURS PRIOR TO THE START OF ANY SITE WORK, AND BY SUCH NOTIFICATION, SHALL BE PROVIDED WITH THE NAME AND TELEPHONE NUMBER OF THE GENERAL CONTRACTOR RESPONSIBLE FOR SUCH WORK.
10. THE CITY AND/OR ITS REPRESENTATIVES MAY INSPECT EROSION AND SEDIMENT CONTROL PRACTICES ON THE SITE DURING CONSTRUCTION AND RECOMMEND THAT THE CONTRACTOR INSTALL ADDITIONAL EROSION CONTROL MEASURES IF DEEMED NECESSARY TO PROTECT ANY UNDISTURBED AREAS OF THE SITE. ANY SUCH REQUESTS SHALL BE MADE DIRECTLY TO THE CONTRACTOR AND FOLLOWED UP WITH A WRITTEN NOTIFICATION TO THE DEVELOPER. IN ADDITION, THE PROJECT ENGINEER SHALL BE CONSULTED ON ANY SPECIAL ADDITIONS OR DELETIONS OF EROSION CONTROL MEASURES WARRANTED BY CHANGING FIELD CONDITIONS.
11. IF GROUNDWATER IS ENCOUNTERED DURING CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL CONSTRUCT A DEWATERING PIT IN ACCORDANCE WITH NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL (AKA SUMP PIT) TO FILTER WATER FOR PUMPING TO A SUITABLE LOCATION.
12. WHEN ALL DISTURBED AREAS ARE STABLE, ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED.

## INSPECTION SCHEDULE & MAINTENANCE OF EROSION AND SEDIMENT CONTROL MEASURES

PERMANENT AND TEMPORARY VEGETATION:
INSPECT ALL AREAS THAT HAVE RECEIVED VEGETATION EVERY SEVEN DAYS AND AFTER EVERY STORM EVENT WITH RAINFALL THAT EQUALS OR EXCEEDS 0.5 INCH. ALL AREAS DAMAGED BY EROSION OR WHERE SEED HAS NOT ESTABLISHED SHALL BE REPAIRED AND RESTABILIZED IMMEDIATELY.

STABILIZED CONSTRUCTION ENTRANCE:
INSPECT THE ENTRANCE PAD EVERY SEVEN DAYS AND AFTER EVERY STORM EVENT WITH RAINFALL THAT EQUALS OR EXCEEDS 0.5 INCH. CHECK FOR MUD, SEDIMENT BUILD-UP AND PAD INTEGRITY. MAKE DAILY INSPECTIONS DURING WET WEATHER. REGRADE PAD AS NEEDED FOR RUNOFF CONTROL. WASH AND REPLACE STONE AS NEEDED. THE STONE IN THE ENTRANCE SHOULD BE WASHED OR REPLACED WHENEVER THE ENTRANCE FAILS TO REDUCE MUD BEING CARRIED OFF SITE BY VEHICLES. IMMEDIATELY REMOVE MUD AND SEDIMENT TRACKED OR WASHED ONTO PUBLIC ROADS BY BRUSHING OR SWEEPING. REMOVE TEMPORARY CONSTRUCTION ENTRANCE AS SOON AS THEY ARE NO LONGER NEEDED TO PROVIDE ACCESS TO THE SITE AS DIRECTED BY PROJECT ENGINEER.

SILT FENCE:
INSPECT FOR DAMAGE EVERY SEVEN DAYS AND AFTER EVERY STORM EVENT WITH RAINFALL THAT EQUALS OR EXCEEDS 0.5 INCH. MAKE ALL REPAIRS IMMEDIATELY. REMOVE SEDIMENT FROM THE UP-SLOPE FACE OF THE FENCE BEFORE IT ACCUMULATES TO A HEIGHT EQUAL TO ONE-QUARTER THE HEIGHT OF THE FENCE. IF FENCE FABRIC TEARS, BEGINS TO DECOMPOSE, OR IN ANY WAY BECOMES INEFFECTIVE, REPLACE THE AFFECTED SECTION OF FENCE IMMEDIATELY.

SOIL STOCKPILE:
INSPECT SEDIMENT CONTROL BARRIERS (SILT FENCE) AND VEGETATION FOR DAMAGE EVERY SEVEN DAYS AND AFTER EVERY STORM EVENT WITH RAINFALL THAT EQUALS OR EXCEEDS 0.5 INCH. MAKE ALL REPAIRS IMMEDIATELY. REMOVE SEDIMENT FROM THE UP-SLOPE FACE OF THE SEDIMENT CONTROL BARRIER BEFORE IT ACCUMULATES TO A HEIGHT EQUAL TO ONE-QUARTER THE HEIGHT OF THE SEDIMENT CONTROL BARRIER. IF SEDIMENT CONTROL BARRIER TEARS, BEGINS TO DECOMPOSE, OR IN ANY WAY BECOMES INEFFECTIVE, REPLACE THE AFFECTED SECTION OF SEDIMENT CONTROL BARRIER IMMEDIATELY. REVEGETATE DISTURBED AREA TO STABILIZE SOIL STOCKPILE. REMOVE THE SEDIMENT CONTROL BARRIER WHEN THE SOIL STOCKPILE HAS BEEN REMOVED.

DUST CONTROL:
SCHEDULE CONSTRUCTION OPERATIONS TO MINIMIZE THE AMOUNT OF DISTURBED AREAS AT ANY ONE TIME DURING THE COURSE OF WORKS. APPLY TEMPORARY SOIL STABILIZATION PRACTICES SUCH AS MULCHING, SEEDING, AND SPRAYING (WATER). STRUCTURAL MEASURES (MULCH, SEEDING) SHALL BE INSTALLED IN DISTURBED AREAS BEFORE SIGNIFICANT BLOWING PROBLEMS DEVELOP. WATER SHALL BE SPRAYED AS NEEDED. REPEAT AS NEEDED, BUT AVOID EXCESSIVE SPRAYING, WHICH COULD CREATE RUNOFF AND EROSION PROBLEMS.

DEWATERING PITS:
(IF REQUIRED) - INSPECT DAILY DURING OPERATION FOR CLOGGING OR OVERFLOW. CLEAR INLET AND DISCHARGE PIPES OF OBSTRUCTIONS. IF A FILTER MATERIAL BECOMES CLOGGED WITH SEDIMENT, PIT SHALL BE DISMANTLED AND NEW PITS SHALL BE CONSTRUCTED AS NEEDED.

CATCH BASINS:
ALL CATCH BASINS SHALL BE INSPECTED AFTER EACH STORM EVENT FOR SEDIMENT ACCUMULATION, AND DEBRIS, AND REMOVE AS NECESARRY. THE INLET PROTECTION SHALL BE INSPECTED FOR SEDIMENT ACCUMULATION AND REPLACED AS NECESARRY. WHEN SEDIMENT ACCUMULATION WITHIN THE CATCH BASIN SUMP REACHES 1/2 OF THE SUMP DEPTH, IT SHALL BE REMOVED.

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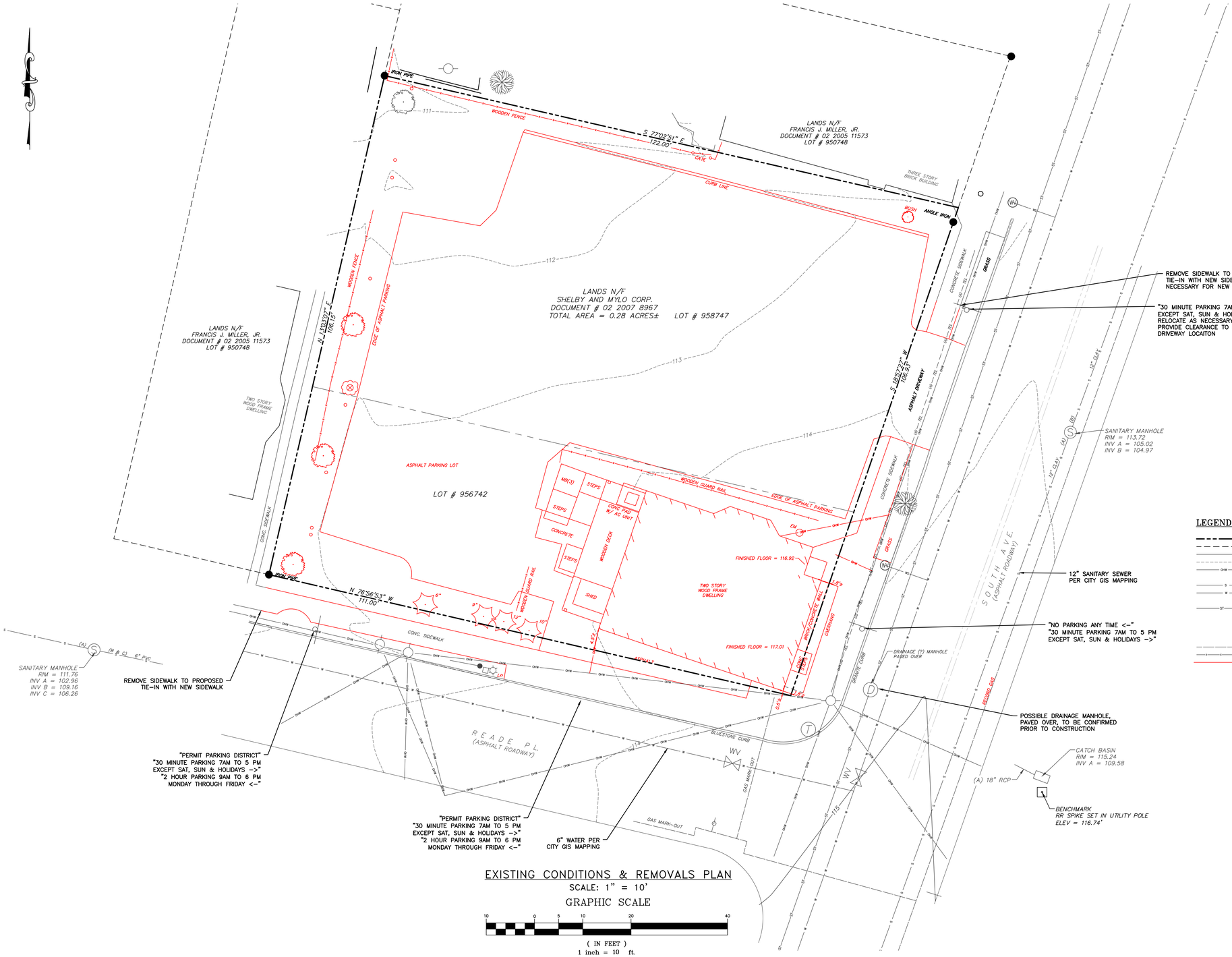

COVER SHEET

134-136 SOUTH AVENUE

134-136 SOUTH AVENUE
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NEW YORK
TAX ID: 6061-44-956742

JOB #: 2021:035
DATE: 8/18/2021
SCALE: AS SHOWN
TITLE: CV-1
SHEET: 1 OF 12


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## MAP REFERENCES:

1. EXISTING FEATURES AS SHOWN ON THIS SITE PLAN PROVIDED BY A SURVEY ENTITLED "BOUNDARY AND TOPOGRAPHIC SURVEY FOR B&A REALTY MANAGEMENT" PREPARED BY MASER ASSOCIATES AND DATED NOVEMBER 13, 2017.

## DEMOLITION NOTES:

1. PRIOR TO DEMOLISHING ANY BUILDINGS/STRUCTURES, THE CONTRACTOR SHALL PERFORM A PRE-DEMOLITION SURVEY IN ACCORDANCE WITH STATE AND FEDERAL REGULATIONS GOVERNING THE DISPOSAL OF SOLID WASTE. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND APPROVALS BY THE AUTHORITY HAVING JURISDICTION. ALL DEBRIS RESULTING FROM DEMOLITION ACTIVITIES SHALL BE DISPOSED OF OFF-SITE AT A FACILITY APPROVED TO RECEIVE THE DEBRIS.
2. CONFORM TO APPLICABLE CODE FOR DEMOLITION OF STRUCTURES, SAFETY OF ADJACENT STRUCTURES, DUST CONTROL, RUNOFF CONTROL, AND HAULING, DISPOSAL AND STORAGE OF DEBRIS.
3. PROVIDE, ERECT, AND MAINTAIN TEMPORARY BARRIERS AND SECURITY DEVICES.
4. MAINTAIN EXISTING UTILITIES TO REMAIN IN SERVICE AND PROTECT THEM AGAINST DAMAGE DURING SELECTIVE DEMOLITION OPERATIONS. DO NOT INTERRUPT EXISTING UTILITIES SERVING OPERATING FACILITIES, EXCEPT WHEN AUTHORIZED IN WRITING BY OWNER AND AUTHORITIES HAVING JURISDICTION.
5. NOTIFY ADJACENT OWNERS OF WORK THAT MAY AFFECT THEIR PROPERTY, POTENTIAL NOISE, UTILITY OUTAGE, OR DISRUPTION. COORDINATE WITH OWNER.
6. PREVENT MOVEMENT OR SETTLEMENT OF ADJACENT STRUCTURES. PROVIDE BRACING AND SHORING.
7. LOCATE AND IDENTIFY ALL EXISTING UTILITIES WITHIN THE CONSTRUCTION AREA. DISCONNECT AND SEAL OR CAP OFF UTILITY SERVICES THAT WILL BE AFFECTED BY THIS PROJECT. NOTIFY AFFECTED UTILITY COMPANIES BEFORE STARTING WORK AND COMPLY WITH THEIR REQUIREMENTS. VERIFY THAT UTILITIES HAVE BEEN DISCONNECTED AND CAPPED.
8. DEMOLISH AND REMOVE COMPONENTS IN AN ORDERLY AND CAREFUL MANNER.
9. PROTECT EXISTING FEATURES THAT ARE NOT TO BE DEMOLISHED.
10. CONDUCT OPERATIONS WITH MINIMUM INTERFERENCE TO PUBLIC OR PRIVATE ACCESSES.
11. MAINTAIN EGRESS AND ACCESS AT ALL TIMES. DO NOT CLOSE OR OBSTRUCT ROADWAYS, OR SIDEWALKS WITHOUT PERMITS.
12. CEASE OPERATIONS IMMEDIATELY IF ADJACENT STRUCTURES APPEAR TO BE IN DANGER. NOTIFY AUTHORITY HAVING JURISDICTION.
13. ROUGH GRADE AND COMPACT AREAS AFFECTED BY DEMOLITION TO MAINTAIN SITE GRADES AND CONTOURS.
14. FIELD VERIFY EXISTING CONDITIONS AND CORRELATE WITH REQUIREMENTS INDICATED ON DEMOLITION PLAN TO DETERMINE EXTENT OF SELECTIVE DEMOLITION REQUIRED.
15. MAINTAIN EXISTING UTILITIES TO REMAIN IN SERVICE AND PROTECT THEM AGAINST DAMAGE DURING SELECTIVE DEMOLITION OPERATION.
16. CONDUCT DEMOLITION OPERATIONS AND REMOVE DEBRIS TO ENSURE MINIMUM INTERFERENCE WITH SELECTIVE DEMOLITION OPERATIONS.
17. CONDUCT DEMOLITION OPERATIONS TO PREVENT INJURY TO PEOPLE AND DAMAGE TO ADJACENT BUILDINGS AND FACILITIES TO REMAIN. ENSURE SAFE PASSAGE OF PEOPLE AROUND SELECTIVE DEMOLITION AREA.
18. USE WATER MIST, TEMPORARY ENCLOSURES AND OTHER SUITABLE METHODS TO LIMIT THE SPREAD OF DUST AND DIRT. COMPLY WITH GOVERNING ENVIRONMENTAL PROTECTION REGULATIONS. DO NOT USE WATER WHEN IT MAY DAMAGE EXISTING CONSTRUCTION, SUCH AS ICE, FLOODING, AND POLLUTION.
19. REMOVE AND TRANSPORT DEBRIS IN A MANNER THAT WILL PREVENT SPILLAGE ON ADJACENT SURFACES AND AREAS.
20. CLEAN ADJACENT STRUCTURES AND IMPROVEMENTS OF DUST, DIRT AND DEBRIS CAUSED BY SELECTIVE DEMOLITION OPERATIONS. RETURN ADJACENT AREAS TO CONDITION EXISTING BEFORE START OF SELECTIVE DEMOLITIONS.
21. PROMPTLY DISPOSE OF DEMOLISHED MATERIALS. DO NOT ALLOW DEMOLISHED MATERIALS TO ACCUMULATE ON-SITE. DO NOT BURN DEMOLISHED MATERIALS ON-SITE.
22. EXISTING WATER, SEWER, GAS AND OTHER SERVICES TO BE ABANDONED PER THE REQUIREMENTS OF THE REGULATING AGENCY.

## LEGEND:

- EXISTING PROPERTY LINE
- ADJOINING PROPERTY LINE
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EXISTING OVER HEAD WIRE
- EXISTING UTILITY POLE
- EXISTING SEWER LINE
- EXISTING WATER LINE
- EXISTING SEWER MANHOLE
- EXISTING STORM WATER LINE
- EXISTING CATCH BASIN
- EXISTING WATER VALVE
- EXISTING HYDRANT
- EXISTING STORMWATER MANHOLE
- EXISTING UNDERGROUND GAS LINE
- EXISTING CHAINLINK FENCE
- ALL ITEMS IN RED TO BE DEMOLISHED/REMOVED IN THEIR ENTIRETY. THIS INCLUDES BUT IS NOT LIMITED TO THE FOLLOWING TREES, SHRUBS, TREE STUMPS, LANDSCAPING, FENCES AND GATES (WOOD AND METAL), RETAINING WALLS (CONCRETE AND WOOD), ASPHALT PAVEMENT, CONCRETE SIDEWALKS, CURBS, STAIRS, UNDERGROUND UTILITIES, STORM DRAINAGE STRUCTURES/PIPING, MANHOLES, ETC.

## EXISTING CONDITIONS & REMOVALS PLAN

SCALE: 1" = 10'

GRAPHIC SCALE

10 0 5 10 20 40

( IN FEET )
1 inch = 10 ft.

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EXISTING CONDITIONS & REMOVALS PLAN

134-136 SOUTH AVENUE

134-136 SOUTH AVENUE
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NEW YORK
TAX ID: 6061-44-956742

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|---|---|
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## SITE PLAN

SCALE: 1" = 10'

GRAPHIC SCALE

10 0 5 10 20 40

( IN FEET )
1 inch = 10 ft.

## LEGEND:

- EXISTING PROPERTY LINE
- ADJOINING PROPERTY LINE
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EXISTING OVER HEAD WIRE
- EXISTING UTILITY POLE
- EXISTING SEWER LINE
- EXISTING WATER LINE
- EXISTING SEWER MANHOLE
- EXISTING STORM WATER LINE
- EXISTING CATCH BASIN
- EXISTING WATER VALVE
- EXISTING HYDRANT
- EXISTING STORMWATER MANHOLE
- EXISTING UNDERGROUND GAS LINE
- EXISTING CHAINLINK FENCE
- PROPOSED PROPERTY LINE
- PROPOSED PROPERTY LINE
- PROPOSED SET BACK LINE
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- PROPOSED EASEMENT
- PROPOSED TREE LINE
- PROPOSED SEWER LINE
- PROPOSED SEWER SERVICE LINE
- PROPOSED SEWER MANHOLE
- PROPOSED SEWER CLEAN OUT
- PROPOSED SDS LATERAL
- PROPOSED SDS SOLID LINE
- PROPOSED STORM WATER LINE
- PROPOSED ROOF LEADER LINE
- PROPOSED ROOF LEADER
- PROPOSED WATER LINE
- PROPOSED WATER SERVICE LINE
- PROPOSED WELL
- PROPOSED HYDRANT
- PROPOSED WATER SHUT OFF VALVE
- PROPOSED WATER VALVE

## SCHEDULE OF REGULATIONS (C-1)
## BULK REGULATIONS & CONFORMANCE TABLE:

| PARAMETER | REQUIREMENT | EXISTING | PROPOSED |
|---|---|---|---|
| LOT AREA: | 35,400 S.F.[1] | ±12,379 S.F. | ±12,379 S.F. |
| LOT FRONTAGE: | 40 FEET MINIMUM | ±110 FEET | ±110 FEET |
| YARD SETBACKS: | | | |
| FRONT YARD (SOUTH AVE): | 15 FEET MINIMUM[2] | ±1.8 FEET[3] | 6.00 FEET[4] |
| FRONT YARD (READE PL): | 15 FEET MINIMUM[2] | ±0.6 FEET[3] | 6.00 FEET[4] |
| SIDE YARD: | 15 FEET MINIMUM[5] | ±69.10 FEET | 6.20 FEET[6] |
| REAR YARD:[7] | 25 FEET MINIMUM | ±70.95 FEET | 53.68 FEET |
| LOT COVERAGE: | MAX 80% | ±9.9% | ±33.2% |
| USEABLE OPEN SPACE: | 4,900 SQ FT MINIMUM[8] | 2,868 S.F. | 2,155 S.F.[9] |
| MAXIMUM BUILDING HEIGHT: | 3 STORIES OR 35 FEET | 2 STORIES, < 35' | 3 STORIES, 34' |

1. THE MINIMUM REQUIRED LOT AREA IS BASED ON THE RESIDENTIAL DEVELOPMENT PORTION OF THE PROJECT, WHERE 19-3.22(4)(b) REQUIRES 2,200 SF PER 1-BR UNIT AND 2,800 SF PER 2-BR UNIT, RESULTING IN A REQUIRED 35,400 S.F. LOT AREA.
2. TEN (10) FEET, IF CORNER LOT FIFTEEN (15) FEET.
3. EXISTING NON-CONFORMING
4. THE APPLICANT IS SEEKING A VARIANCE WHERE 15 FEET IS REQUIRED, AND 6 FEET IS PROVIDED, THEREBY REQUIRING RELIEF OF 9 FEET.
5. NO SIDE YARD IS REQUIRED, EXCEPT, IF PROVIDED, IT MUST BE AT LEAST SIX (6) FEET; IF A CORNER LOT, THE SIDE YARD MUST FIFTEEN (15) FEET.
6. THE APPLICANT IS SEEKING A VARIANCE WHERE 15 FEET IS REQUIRED, AND 6.2 FEET IS PROVIDED, THEREBY REQUIRING RELIEF OF 8.8 FEET.
7. PER 19-4.12(4), ON A CORNER LOT, ONE YARD OTHER THAN THE FRONT YARDS SHALL BE DEEMED TO BE A REAR YARD AND THE OTHER OR OTHERS SHALL BE DEEMED TO BE SIDE YARDS. THE APPLICANT IS CHOOSING THE NORTHERN PROPERTY LINE TO BE THE REAR YARD.
8. THE MINIMUM USABLE OPEN SPACE REQUIRED IN C-1 ZONE, PER 19-3.22(4)(h), IS THE SAME AS THAT PER 19-3.15(4)(i), WHICH REQUIRES 300 SQUARE FEET OF USABLE OPEN SPACE FOR EACH ONE-BEDROOM UNIT AND 400 SQUARE FEET OF USABLE OPEN SPACE FOR EACH TWO-OR-MORE-BEDROOM UNIT, FOR A MINIMUM REQUIRED USABLE OPEN SPACE OF 4,900 SQUARE FEET (FOR ELEVEN 1-BR UNITS PLUS FOUR 2-BR UNITS).
9. THE APPLICANT IS SEEKING A VARIANCE WHERE THE MINIMUM USABLE OPEN SPACE IS 4,900 SQUARE FEET, AND NONE IS PROVIDED (OPEN SPACE ON THE SITE IS SHOWN, BUT DOES NOT MEET THE DEFINITION OF USABLE OPEN SPACE), THEREBY REQUIRING RELIEF OF 4,900 SQUARE FEET.

## REQUIRED PARKING:

USE = COMMERCIAL (ASSUME RETAIL)
REQUIRED SPACES = 1/300 SF FLOOR AREA
PROPOSED FLOOR AREA = 2,017 SQUARE FEET
REQUIRED COMM'L PARKING = 6.7 SPACES

USE = MULTI-FAMILY RESIDENTIAL
REQUIRED SPACES = 1.5/1-BR UNIT
REQUIRED SPACES = 2/2BR UNIT
REQUIRED RES'L PARKING = 24.5 SPACES
TOTAL REQUIRED PARKING = 31.6 SPACES (SAY 32 SPACES)

## PROVIDED PARKING:

ON-SITE PARKING = 19 SPACES
ON-SITE ACCESSIBLE PARKING = 2 SPACES
ON-SITE TOTAL PARKING = 21 SPACES
ON-STREET PARKING = 8 SPACES
TOTAL PARKING PROVIDED = 29 SPACES
NOTES:
1. ON-STREET PARKING IS TIME LIMITED (REFER TO THE CALLOUTS ON EXISTING SIGNAGE).
2. 19-4.3(4) ALLOWS FOR JOINT USE OF PARKING BASED ON TIME DIFFERENCES. IT IS ASSUMED THAT THE MAJORITY OF RESIDENTIAL SPACES WILL BE AVAILABLE DURING NORMAL BUSINESS HOURS DURING WEEKDAYS. HOWEVER, THE APPLICANT IS SEEKING A VARIANCE WHERE THE MINIMUM REQUIRED NUMBER OF PARKING SPACES IS 32, WHERE 21 ON-SITE PARKING SPACES ARE PROVIDED, THEREBY REQUIRING RELIEF OF 11 PARKING SPACES.

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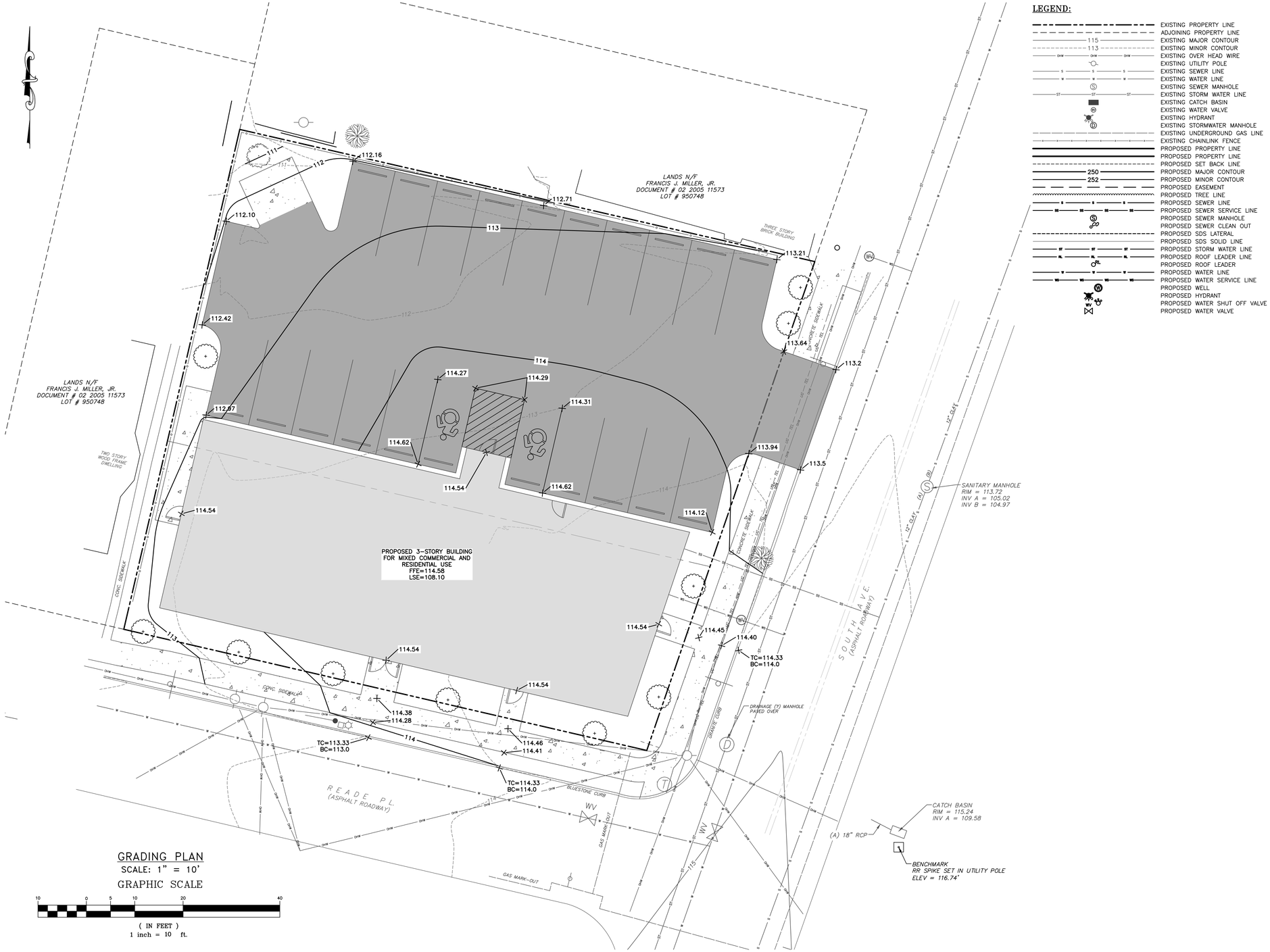

SITE PLAN

# 134-136 SOUTH AVENUE

134-136 SOUTH AVENUE
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NEW YORK
TAX ID: 6061-44-956742

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## GRADING PLAN
SCALE: 1" = 10'

GRAPHIC SCALE

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( IN FEET )
1 inch = 10 ft.

LEGEND:

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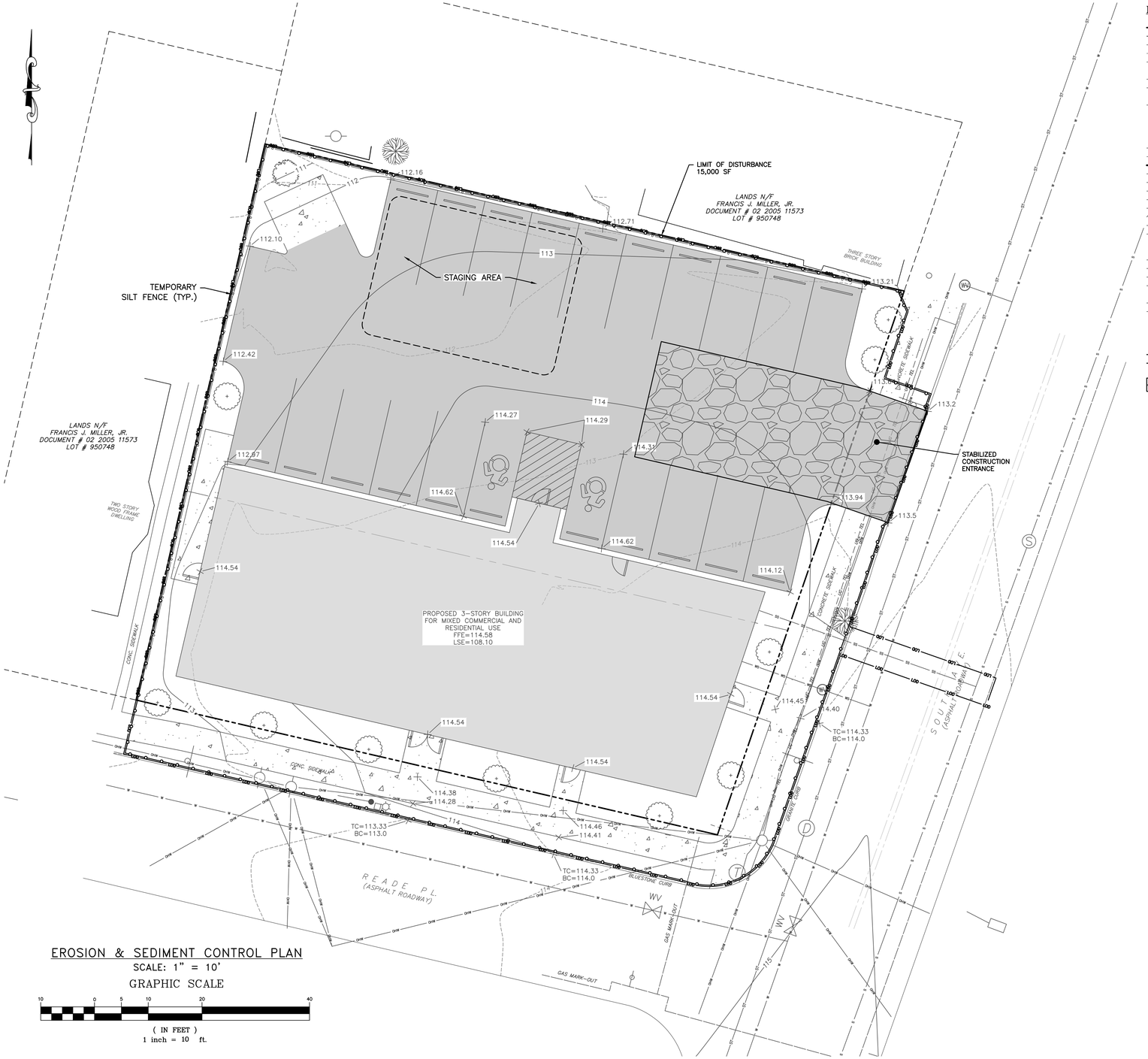

GRADING PLAN

# 134-136 SOUTH AVENUE

134-136 SOUTH AVENUE
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NEW YORK
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EROSION & SEDIMENT CONTROL PLAN

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10 0 5 10 20 40

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LEGEND:

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- PROPOSED WELL
- PROPOSED HYDRANT
- PROPOSED WATER SHUT OFF VALVE
- PROPOSED WATER VALVE
- PROPOSED SILT FENCE
- PROPOSED LIMIT OF DISTURBANCE
- PROPOSED CATCH BASIN INLET PROTECTION
- PROPOSED CONSTRUCTION ENTRANCE

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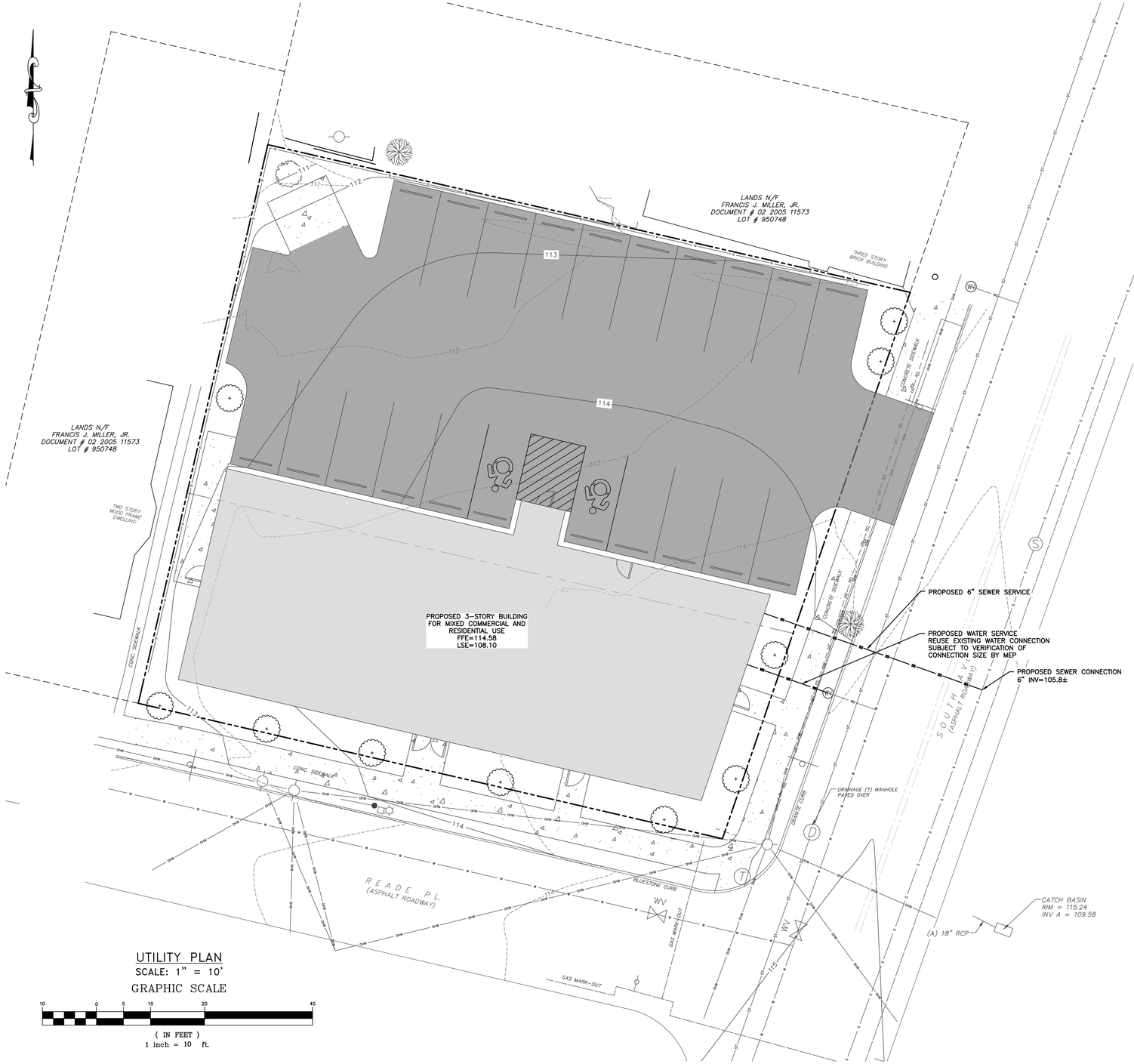

EROSION & SEDIMENT CONTROL PLAN

134-136 SOUTH AVENUE

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CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NEW YORK
TAX ID: 6061-44-956742

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## UTILITY PLAN
SCALE: 1" = 10'

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( IN FEET )
1 inch = 10 ft.

## LEGEND:

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- ADJOINING PROPERTY LINE
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- EXISTING STORMWATER MANHOLE
- EXISTING UNDERGROUND GAS LINE
- EXISTING CHAINLINK FENCE
- PROPOSED PROPERTY LINE
- PROPOSED PROPERTY LINE
- PROPOSED SET BACK LINE
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- PROPOSED EASEMENT
- PROPOSED TREE LINE
- PROPOSED SEWER LINE
- PROPOSED SEWER SERVICE LINE
- PROPOSED SEWER MANHOLE
- PROPOSED SEWER CLEAN OUT
- PROPOSED SDS LATERAL
- PROPOSED SDS SOLID LINE
- PROPOSED STORM WATER LINE
- PROPOSED ROOF LEADER LINE
- PROPOSED ROOF LEADER
- PROPOSED WATER LINE
- PROPOSED WATER SERVICE LINE
- PROPOSED WELL
- PROPOSED HYDRANT
- PROPOSED WATER SHUT OFF VALVE
- PROPOSED WATER VALVE

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PROFESSIONAL ENGINEERING P.C.
174 MAIN ST., BEACON, NEW YORK 12508
13 CHAMBERS ST., NEWBURGH, NEW YORK 12550
PH: 845-440-6926
F: 845-440-6637

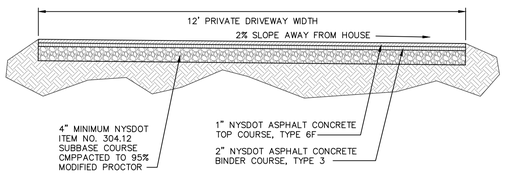
UTILITY PLAN

# 134-136 SOUTH AVENUE

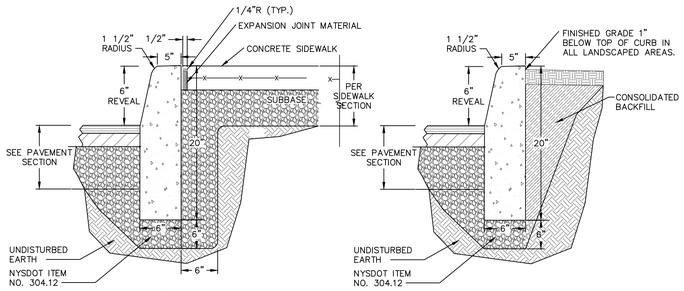
134-136 SOUTH AVENUE
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NEW YORK
TAX ID: 6061-44-956742

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| JOB #: | 2021:035 |
| DATE: | 8/18/2021 |
| SCALE: | 1" = 10' |
| TITLE: | UT-1 |
| SHEET: | 6 OF 12 |

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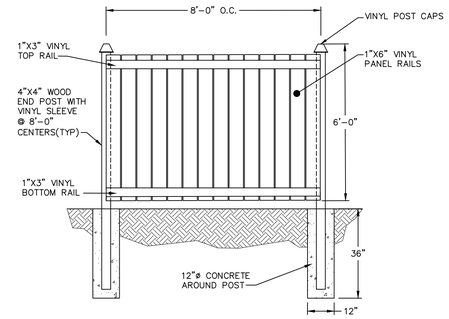



PAVED DRIVEWAY SECTION DETAIL
NOT TO SCALE

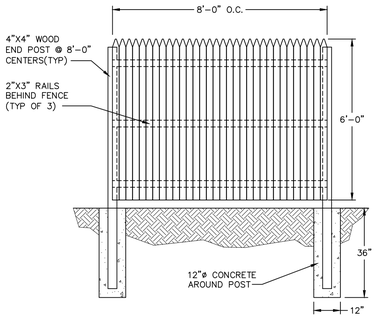



NOTES:
1. CONCRETE CURB SHALL BE 4,000 PSI CAST-IN-PLACE, AND IN ACCORDANCE WITH NYSDOT STANDARD SPECIFICATION SECTION 609.
2. EXPANSION JOINTS OF 1/2" CELLULOSE OR SIMILAR MATERIAL SHALL BE PLACED AT 10 FOOT INTERVALS.
3. FOR MOUNTABLE CURBS ABUTTING SIDEWALK OR OTHER HARDSCAPE, REFER TO "ABUTTING SIDEWALK" DETAIL.
4. CONCRETE SHALL BE SEALED WITH A SALT RESISTANT SEALER.

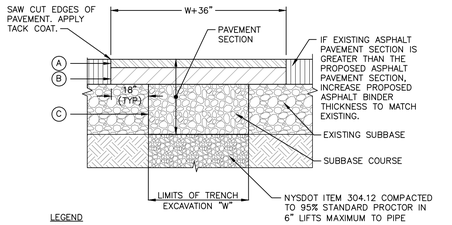
CAST-IN-PLACE CONCRETE CURB DETAIL
NOT TO SCALE




VINYL STOCKADE FENCE DETAIL
NOT TO SCALE



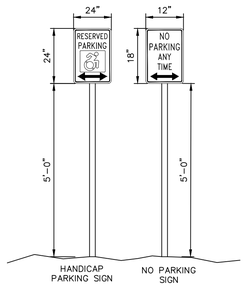

WOOD STOCKADE FENCE DETAIL
NOT TO SCALE



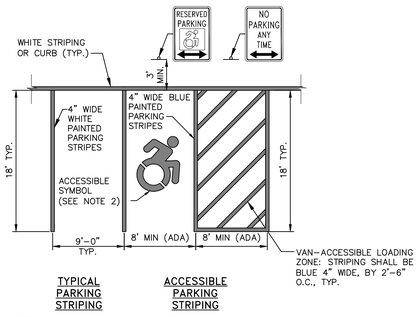

LEGEND
- (A) 1-1/2" ASPHALT CONCRETE TOP COURSE- NYSDOT TYPE 6F
- (B) 2-1/2" ASPHALT CONCRETE BINDER COURSE- NYSDOT TYPE 3
- (C) 10" GRANULAR SUBBASE COURSE- NYSDOT ITEM 304.12

NOTES:
1. SAW CUT MIN. 18" BEYOND EXCAVATION WITH SMOOTH EDGES. 18" JOINT BETWEEN EXISTING AND NEW TOP COURSE TO BE MILLED. JOINT TO BE SEALED WITH POLYMER MODIFIED SEALER.
2. FURNISH, PLACE, AND COMPACT SUBBASE.
3. TACK COAT IN ACCORDANCE WITH NYSDOT STANDARD SPEC.
4. FURNISH AND PLACE ASPHALT CONCRETE PAVEMENT AS SPECIFIED.

PAVEMENT RESTORATION DETAIL
NOT TO SCALE

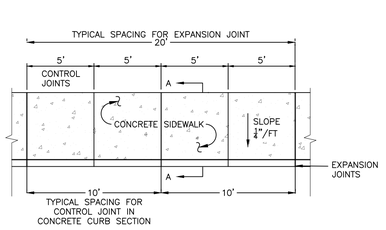


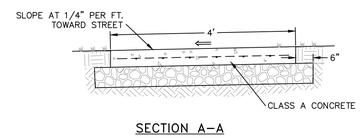

SIGN DETAILS
NOT TO SCALE



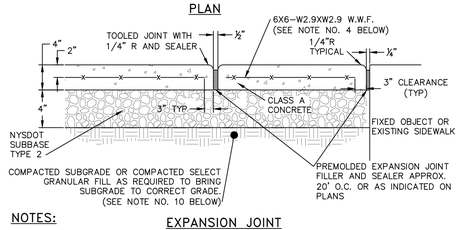

NOTES:
1. ALL DIMENSIONS SUBJECT TO CURRENT MUNICIPALITY ZONING AND SITE REGULATIONS.
2. PAINTED ACCESSIBLE SYMBOL TO BE IN ACCORDANCE WITH NYSDOT AND ADA STANDARDS.
3. IF PARKING ABUTS A SIDEWALK, THEN THE REGULATORY SIGNS SHALL BE PLACED BEHIND THE SIDEWALK.

PARKING AND STRIPING DETAIL
NOT TO SCALE

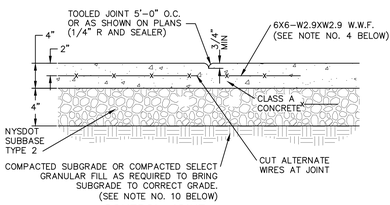



SECTION A-A



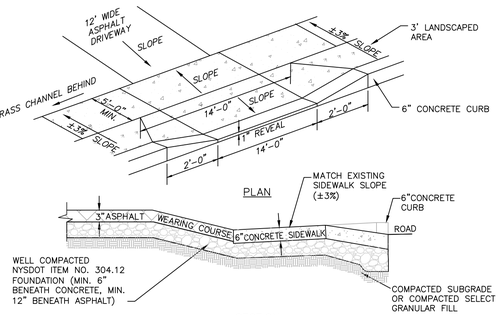

EXPANSION JOINT




CONTROL JOINT

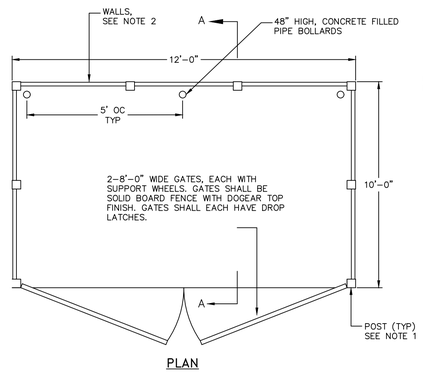
NOTES:
1. 10' SPACING OF CONTROL JOINTS SHALL BE USED FOR CAST IN PLACE CONCRETE CURBS.
2. MATERIAL AND METHODS OF CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION (NYSDOT) STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, DATED JANUARY 2, 2002, AND ALL ADDENDA THERETO; THE ONLY EXCEPTION BEING THAT THE WORK OF THIS CONTRACT SHALL BE MEASURED IN ENGLISH UNITS.
3. ALL CONCRETE SHALL BE 4,000 PSI CLASS A CONCRETE. CONCRETE MATERIALS, PLACEMENT, AND CONSTRUCTION SHALL CONFORM WITH SECTION 500 OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS.
4. REINFORCING STEEL FOR CONCRETE SHALL CONFORM WITH SECTION 556 – REINFORCING STEEL FOR CONCRETE STRUCTURES OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS AND AS SPECIFICALLY CALLED OUT IN THE DRAWINGS.
5. ALL EXPOSED SURFACED SHALL HAVE A BROOM TEXTURED FINISH.
6. EXPANSION JOINTS SHALL BE LOCATED A MAXIMUM OF 20' ON CENTER, OR AS INDICATED ON PLANS.
7. JOINTS SHALL NOT BE SAW CUT.
8. EXPOSED CONCRETE SURFACES SHALL BE TREATED WITH "SUREBOND"/"SAFEBOND" SB-7000 INTENSIFIER BRIGHT PROTECTOR AND SIDEWALK SEALER, OR EQUAL. RATE AND METHOD OF APPLICATION SHALL BE IN ACCORDANCE WITH MANUFACTURE'S RECOMMENDATIONS.
9. SUBBASE MATERIAL SHALL CONFORM WITH SECTION 304 OF THE ABOVE REFERENCED NYSDOT STANDARD.
10. WHERE IT IS NECESSARY TO PLACE FILL FOR PURPOSE OF BRINGING THE SUBGRADE ELEVATION UP TO A SPECIFIED GRADE, THE FILL MATERIAL PLACED SHALL BE IN CONFORMATION WITH SECTION 203-EXCAVATION AND EMBANKMENT OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS.
11. ALL WORK SHALL CONFORM WITH SECTION 608-SIDEWALK, DRIVEWAYS, AND BICYCLE PATHS OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS.
12. CONCRETE SHALL BE SEALED WITH A SALT RESISTANT SEALER.

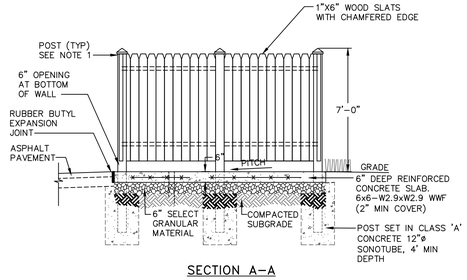
CONCRETE SIDEWALK DETAIL
NOT TO SCALE




NOTE:
1. PRE-MOLDED EXPANSION JOINTS TO BE USED AT ALL JOINTS.
2. DRIVEWAY SHALL BE PAVED AFTER THE SIDEWALK.
3. EXISTING SIDEWALK TO REMAIN UNTOUCHED.
4. CONCRETE SHALL BE SEALED WITH A SALT RESISTANT SEALER.

DRIVEWAY ENTRANCE THROUGH SIDEWALK DETAIL
NOT TO SCALE




NOTES
1. POSTS SHALL HAVE A DECORATIVE CAP, CONSISTENT WITH THE ARTS & CRAFTS STYLE, AS APPROVED BY OWNER. POST SPACING SHALL BE AS REQUIRED BY WALL CONSTRUCTION.
2. WALLS OF DUMPSTER ENCLOSURE SHALL BE A SOLID WOOD PRIVACY FENCING NATURAL STAIL OR PAINT TO COMPLEMENT BUILDING.

TRASH ENCLOSURE DETAILS
NOT TO SCALE

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STATE OF NEW YORK DANIEL G. KOERNER 082716 LICENSED PROFESSIONAL ENGINEER
SEAL

HUDSON LAND DESIGN
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CONSTRUCTION DETAILS

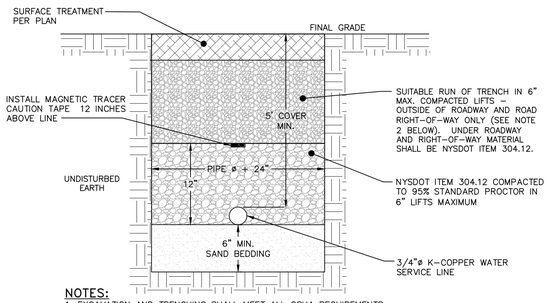
134-136 SOUTH AVENUE

134-136 SOUTH AVENUE
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NEW YORK
TAX ID: 6061-44-956742

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|---|---|
| JOB #: | 2021:035 |
| DATE: | 8/18/2021 |
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| SHEET: | 10 OF 12 |

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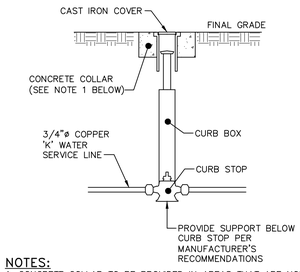
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**NOTES:**

1. EXCAVATION AND TRENCHING SHALL MEET ALL OSHA REQUIREMENTS.
2. SUITABLE RUN OF TRENCH SHALL NOT INCLUDE FROZEN MATERIALS, DEBRIS, ORGANIC MATERIALS, ENLOGATED PARTICLES, LARGE STONES OR OTHER UNSUITABLE MATERIALS. IF THE RUN OF TRENCH MATERIAL IS FOUND TO BE UNSUITABLE, A SUITABLE BACKFILL MATERIAL SHALL BE IMPORTED AND USED.
3. IN AREAS WHERE 5' COVER REQUIREMENT CANNOT BE MET, THE CONTRACTOR SHALL PROVIDE PIPE INSULATION TO PREVENT FREEZING.

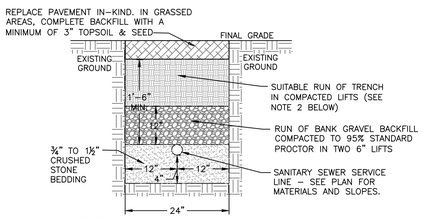
## WATER SERVICE LINE TRENCH DETAIL
NOT TO SCALE




**NOTES:**

1. CONCRETE COLLAR TO BE PROVIDED IN AREAS THAT ARE NOT PAVED. THE COLLAR SHALL BE 6" FROM THE COVER AND SHALL EXTEND 6" BELOW FINAL GRADE.
2. CURB STOP TO BE COMPRESSION TYPE BY MUELLER.
3. AREA AROUND CURB BOX TO BE BACKFILLED WITH GRAVELLY MATERIAL.

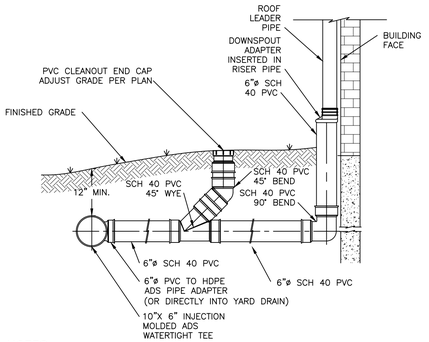
## WATER SHUT-OFF VALVE DETAIL
NOT TO SCALE




**NOTES:**

1. EXCAVATION AND TRENCHING SHALL MEET ALL OSHA REQUIREMENTS.
2. SUITABLE RUN OF TRENCH SHALL NOT INCLUDE FROZEN MATERIALS, DEBRIS, ORGANIC MATERIALS, LARGE STONES OR OTHER UNSUITABLE MATERIALS. IF THE RUN OF TRENCH MATERIAL IS FOUND TO BE UNSUITABLE, A SUITABLE BACKFILL MATERIAL SHALL BE IMPORTED AND USED.

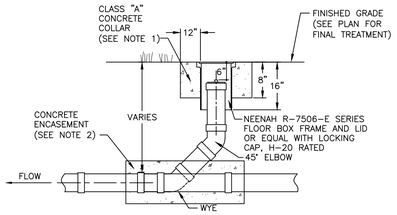
## SANITARY SEWER LINE TRENCH DETAIL
NOT TO SCALE




**NOTES:**

1. ALL ROOF LEADER PIPES SHALL BE 6"ø SCH 40 PVC @ 2.0% SLOPE MIN. UNLESS SPECIFIED OTHERWISE.
2. PVC JOINT CONNECTIONS SHALL BE MADE WITH PVC CEMENT.
3. ROOF LEADER HEADER PIPES SHALL BE 10"ø HDPE PIPE.
4. SUBSTITUTIONS OF PIPE MATERIAL SHALL BE BROUGHT TO THE DESIGN ENGINEER'S ATTENTION FOR REVIEW.

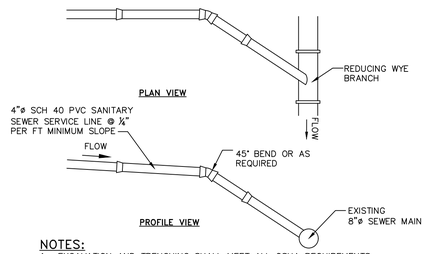
## ROOF LEADER CONNECTION DETAIL
NOT TO SCALE




NOTES:

1. CONCRETE COLLAR TO BE PROVIDED IN AREAS THAT ARE NOT PAVED. THE COLLAR SHALL BE 12" FROM THE COVER AND SHALL BE A MINIMUM OF 8" THICK.
2. CONCRETE ENCASEMENT SHALL BE A MINIMUM OF 6" AROUND PIPE JOINTS OF WYE.

## CLEANOUT DETAIL
NOT TO SCALE




**NOTES:**

1. EXCAVATION AND TRENCHING SHALL MEET ALL OSHA REQUIREMENTS.
2. SUITABLE RUN OF TRENCH SHALL NOT INCLUDE FROZEN MATERIALS, DEBRIS, ORGANIC MATERIALS, LARGE STONES OR OTHER UNSUITABLE MATERIALS. IF THE RUN OF TRENCH MATERIAL IS FOUND TO BE UNSUITABLE, A SUITABLE BACKFILL MATERIAL SHALL BE IMPORTED AND USED.
3. TAPPING SADDLE FOR CONNECTION OF THE PROPOSED SERVICE LINE TO THE EXISTING SEWER MAIN TO BE A 4" PREDCO HUB TAP SADDLE – MODEL #HTS4/E.

## SANITARY SEWER SERVICE CONNECTION DETAIL
NOT TO SCALE

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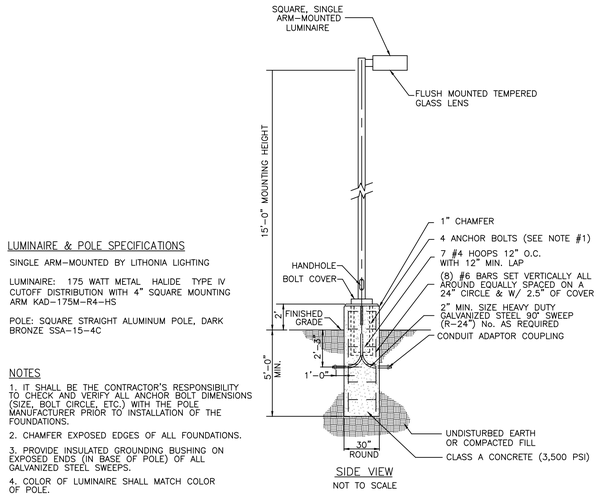
CONSTRUCTION DETAILS

# 134-136 SOUTH AVENUE

134-136 SOUTH AVENUE
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NEW YORK
TAX ID: 6061-44-956742

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| SHEET: | 11 OF 12 |

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SIDE VIEW
NOT TO SCALE

LUMINAIRE & POLE SPECIFICATIONS

SINGLE ARM-MOUNTED BY LITHONIA LIGHTING

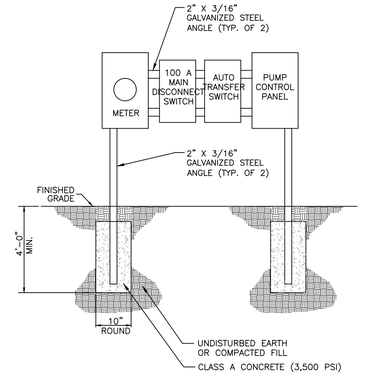
LUMINAIRE: 175 WATT METAL HALIDE TYPE IV CUTOFF DISTRIBUTION WITH 4" SQUARE MOUNTING ARM KAD-175M-R4-HS

POLE: SQUARE STRAIGHT ALUMINUM POLE, DARK BRONZE SSA-15-4C

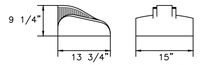
NOTES

1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CHECK AND VERIFY ALL ANCHOR BOLT DIMENSIONS (SIZE, BOLT CIRCLE, ETC.) WITH THE POLE MANUFACTURER PRIOR TO INSTALLATION OF THE FOUNDATIONS.
2. CHAMFER EXPOSED EDGES OF ALL FOUNDATIONS.
3. PROVIDE INSULATED GROUNDING BUSHING ON EXPOSED ENDS (IN BASE OF POLE) OF ALL GALVANIZED STEEL SWEEPS.
4. COLOR OF LUMINAIRE SHALL MATCH COLOR OF POLE.
5. THE LIGHT SOURCE SHALL BE COMPLETELY SHIELDED TO PREVENT HORIZONTAL GLARE.

## POLE AND LUMINARE DETAIL
NOT TO SCALE




## ELECTRICAL EQUIPMENT MOUNTING DETAIL
NOT TO SCALE



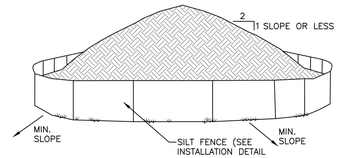

LUMINAIRE & POLE SPECIFICATIONS

ASW1 WALL MOUNTED SERIES BY LITHONIA LIGHTING

LUMINAIRE: 100 WATT METAL HALIDE TYPE III ASYMETRIC DISTRIBUTION MOUNTED AT 8 FT ASW1-100M- SR3

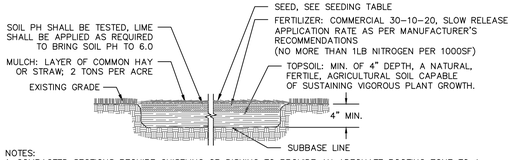
COLOR: TEXTURED DARK BRONZE POLYETER POWDER FINISH.

## WALL MOUNTED LUMINARE DETAIL
NOT TO SCALE




NOTES:
1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
2. EACH PILE SHALL BE SURROUNDED WITH SILT FENCING, THEN STABILIZED WITH VEGETATION OR COVERED.

## TEMPORARY SOIL STOCKPILE DETAIL
NOT TO SCALE

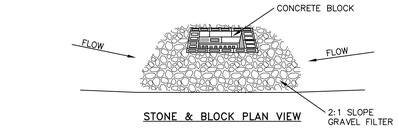



NOTES:
1. COMPACTED SECTIONS REQUIRE CHISELING OR DISKING TO PROVIDE AN ADEQUATE ROOTING ZONE TO A MINIMUM DEPTH OF 12"
2. SOIL AMENDMENTS SHOULD BE INCORPORATED INTO THE UPPER 2" OF SOILS BASED ON SOIL TESTING. IF SOIL MUST BE FERTILIZED BEFORE RESULTS OF A SOIL TEST CAN BE OBTAINED TO DETERMINE FERTILIZER NEEDS, APPLY COMMERCIAL FERTILIZER AT 600 POUNDS PER ACRE 5-5-10 OR EQUIVALENT.
3. PERMANENT SEEDINGS MAY BE MADE ANY TIME OF YEAR IF PROPERLY MULCHED AND ADEQUATE MOISTURE IS PROVIDED. LATE JUNE THROUGH EARLY AUGUST IS NOT OPTIMAL SEEDING PERIOD AS PORTIONS OF THE SEEDING MAY FAIL DUE TO DROUGHT AND HEAT. THESE AREAS MAY NEED RESEEDING IN LATE SUMMER/FALL OR THE FOLLOWING SPRING.
4. WATERING MAY BE ESSENTIAL TO ESTABLISH A NEW SEEDING WHEN A DROUGHT CONDITION OCCURS SHORTLY AFTER A NEW SEEDING EMERGES. DO NOT EXCEED THE APPLICATION RATE FOR THE SEED OR SUBSOIL.

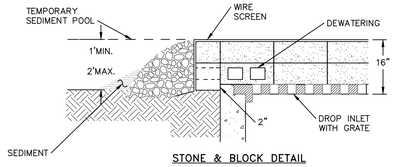
SEEDING TABLE

| TYPE | SUNNY SITE: | SUNNY DROUGHTY SITE: | SHADY DRY SITE: | SHADY WET SITE: |
|---|---|---|---|---|
| OPTION A | 65% CREEPING RED FESCUE<br>20% PERENNIAL RYE GRASS<br>15% FINE FESCUE<br>175 LBS PER ACRE | 65% FINE FESCUE<br>15% PERENNIAL RYE GRASS<br>20% CREEPING FESCUE<br>220 LBS PER ACRE | 65% FINE FESCUE<br>15% PERENNIAL RYE GRASS<br>20% CREEPING FESCUE<br>220 LBS PER ACRE | 70% CREEPING RED FESCUE<br>30% BLEND OF SHADE-TOLERANT HARD FESCUE<br>130 POUNDS PER ACRE |
| OPTION B | 100% CREEPING RED FESCUE<br>200 LBS PER ACRE | 100% CREEPING RED FESCUE<br>200 LBS PER ACRE | 80% BLEND OF SHADE-TOLERANT CEREAL RYE<br>20% PERENNIAL RYE<br>175 LBS PER ACRE | 100% CHEWINGS FESCUE<br>200 LBS PER ACRE |
| OPTION C | | | 100% CREEPING RED FESCUE<br>200 LBS PER ACRE | |

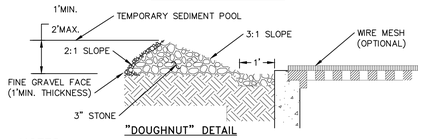
## TOPSOIL SEED, FERTILIZER AND MULCH DETAIL
NOT TO SCALE




STONE & BLOCK PLAN VIEW



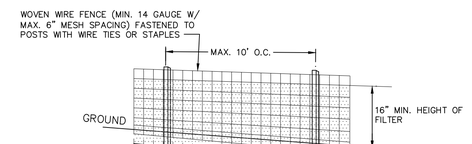

STONE & BLOCK DETAIL



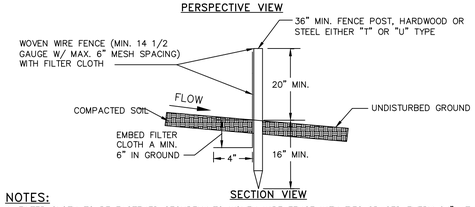

"DOUGHNUT" DETAIL

NOTES:
1. LAY ONE BLOCK ON EACH SIDE OF THE STRUCTURE ON ITS SIDE FOR DEWATERING. FOUNDATION SHALL BE 2 INCHES MINIMUM BELOW REST OF INLET AND BLOCKS SHALL BE PLACED AGAINST INLET FOR SUPPORT.
2. HARDWARE CLOTH OR 1/2" WIRE MESH SHALL BE PLACED OVER BLOCK OPENINGS TO SUPPORT STONE.
3. USE CLEAN STONE OR GRAVEL 1/2-3/4 INCH IN DIAMETER PLACED 2 INCHES BELOW TOP OF THE BLOCK ON A 2:1 SLOPE OR FLATTER.
4. FOR STONE STRUCTURES ONLY, A 1 FOOT THICK LAYER OF THE FILTER STONE WILL BE PLACED AGAINST THE 3 INCH STONE AS SHOWN ON THE DRAWINGS. MAXIMUM DRAINAGE AREA 1 ACRE

## CATCH BASIN INLET PROTECTION DETAIL
NOT TO SCALE



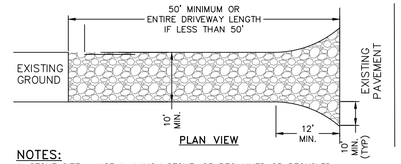

PERSPECTIVE VIEW




SECTION VIEW

NOTES:
1. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
2. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER-LAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140N OR APPROVED EQUAL.
3. PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE OR APPROVED EQUAL.
4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

## SILT FENCE DETAIL
NOT TO SCALE




PLAN VIEW

NOTES:
1. STONE SIZE - USE 1-4 INCH STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. THICKNESS - NOT LESS THAN SIX (6) INCHES.
3. WIDTH - 12 FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. 24 FOOT MINIMUM IF SINGLE ENTRANCE TO SITE.
4. GEOTEXTILE - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
5. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED BENEATH THE ENTRANCE, IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
6. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURE USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACTED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
7. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
8. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

## STABILIZED CONSTRUCTION ENTRANCE DETAIL
NOT TO SCALE

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| DRAWN BY: CMB | | | | CHECKED BY: DGK | | | |
|---|---|---|---|---|---|---|---|
| REVISIONS: | | | | REVISIONS: | | | |
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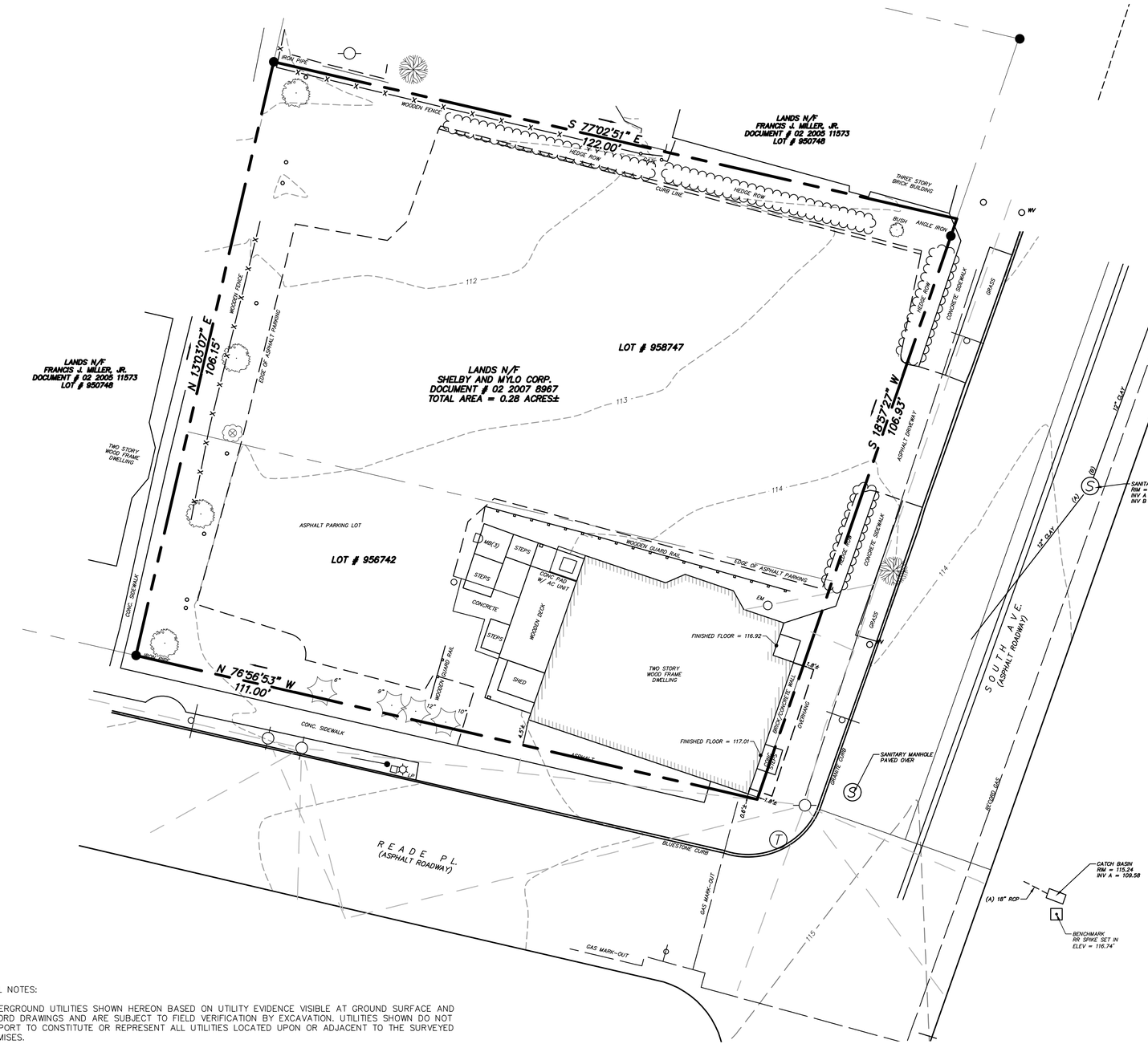
CONSTRUCTION DETAILS

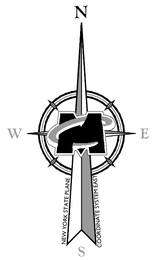
# 134-136 SOUTH AVENUE

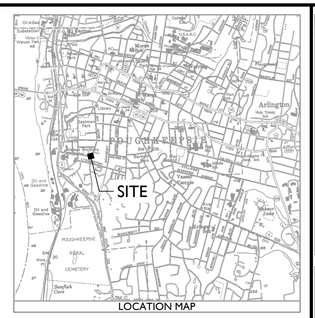
134-136 SOUTH AVENUE
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NEW YORK
TAX ID: 6061-44-956742

| | |
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| JOB #: | 2021:035 |
| DATE: | 8/18/2021 |
| SCALE: | AS SHOWN |
| TITLE: | CD-3 |
| SHEET: | 12 OF 12 |

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LOCATION MAP

GENERAL NOTES:

1. UNDERGROUND UTILITIES SHOWN HEREON BASED ON UTILITY EVIDENCE VISIBLE AT GROUND SURFACE AND RECORD DRAWINGS AND ARE SUBJECT TO FIELD VERIFICATION BY EXCAVATION. UTILITIES SHOWN DO NOT PURPORT TO CONSTITUTE OR REPRESENT ALL UTILITIES LOCATED UPON OR ADJACENT TO THE SURVEYED PREMISES.
2. THE OFFSETS OR DIMENSIONS SHOWN HEREON, FROM THE PROPERTY LINES TO THE STRUCTURES, ARE FOR A SPECIFIC PURPOSE AND USE; THEREFORE, THEY ARE NOT INTENDED TO MONUMENT THE PROPERTY LINES OR TO GUIDE THE ERECTION OF FENCES, ADDITIONAL STRUCTURES OR ANY OTHER IMPROVEMENTS.
3. EASEMENTS AND/OR SUBSURFACE STRUCTURES RECORDED OR UNRECORDED ARE NOT GUARANTEED UNLESS PHYSICALLY EVIDENT ON THE PREMISES AT THE TIME OF THE SURVEY.
4. SUBJECT TO ALL RIGHTS, EASEMENTS, COVENANTS AND RESTRICTIONS OF RECORD.
5. SUBJECT TO ANY STATE OF FACTS AN UP-TO-DATE ABSTRACT OF TITLE WOULD DISCLOSE.
6. BASIS OF BEARING IS NEW YORK STATE PLANE COORDINATE SYSTEM EAST ZONE. CONTROL WAS ESTABLISHED USING KEYNET VRS SYSTEM. THE HORIZONTAL DATUM IS RELATIVE TO NAD83
7. THE VERTICAL POSITION OF THE HEREIN SURVEY IS BASED ON THE KEYNET RTK GPS NETWORK AND IS SUBJECT TO FURTHER ADJUSTMENT TO ANY LOCAL NGS BENCHMARKS. THE VERTICAL DATUM IS RELATIVE TO NAVD 1988.

## LEGEND

| | |
|---|---|
| TRAVERSE LINE, CENTER LINE OR BASELINE | WETLAND MARKER |
| RIGHT OF WAY LINE | TREE |
| PROPERTY LINE | ROADWAY SIGNS |
| EDGE OF PAVEMENT | TRAFFIC FLOW |
| CURB LINE | MAILBOX |
| DEPRESSED CURB | TRAFFIC SIGNAL POLE |
| CHAIN FENCE | POLE MOUNTED LIGHT |
| WETLAND LINE | UTILITY POLE |
| MUNICIPAL BOUNDARY | GUY WIRE |
| TREELINE | TRANSFORMER |
| ELECTRICAL MANHOLE | FIRE DEPT. CONNECTION |
| WATER MANHOLE | FIRE HYDRANT |
| TELEPHONE MANHOLE | WATER VALVE |
| UNMARKED MANHOLE | GAS VALVE |
| SANITARY MANHOLE | SANITARY CLEANOUT |
| DRAINAGE MANHOLE | CONCRETE MONUMENT |
| MAJOR CONTOUR | CAPPED REBAR/IRON PIPE |
| MINOR CONTOUR | STORM INLET TYPE 'A' |
| SPOT ELEVATION | STORM INLET TYPE 'B' |
| TOP OF CURB ELEV. | STM. DBL. INLET TYPE 'B' |
| BOTTOM OF CURB ELEV. | STORM INLET TYPE 'E' |
| U/G CABLE TV LINE | STM. DBL. INLET TYPE 'E' |
| U/G FIBER OPTIC LINE | FLARED END SECTION |
| U/G TELEPHONE LINE | HEADWALL |
| U/G ELECTRIC LINE | |
| OVERHEAD WIRE | |
| WATER MAIN | |
| GAS MAIN | |
| SAN. SEWER LATERAL | |
| SAN. SEWER MAIN | |
| STORM PIPE | |

## ABBREVIATIONS

| | | |
|---|---|---|
| D.C. = DEPRESSED CURB | FF. = FINISH FLOOR | MHWL = MEAN HIGH WATERLINE |
| BC = BOTTOM OF CURB | UV = UNKNOWN VALVE | |
| TC = TOP OF CURB | MH = MANHOLE | MLWL= MEAN LOW WATERLINE |
| BOL = BOLLARD | DEP. = DEPRESSED | |
| GRT = GRATE | CL = CENTERLINE | TW = TOP OF WALL |
| MB = MAILBOX | PM = PARKING METER | BW = BOTTOM WALL |

10 0 10 20

SCALE : 1" = 10'


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ONLY BOUNDARY SURVEY MAPS WITH THE SURVEYOR'S SEAL ARE GENUINE TRUE AND CORRECT COPIES OF THE SURVEYOR'S ORIGINAL WORK AND OPINION.

PRELIMINARY

# BOUNDARY AND TOPOGRAPHIC SURVEY

FOR

## B&A REALTY MANAGEMENT

TAX LOTS #956742 & #958747
134-136 SOUTH AVE

CITY OF POUGHKEEPSIE
DUTCHESS COUNTY
STATE OF NEW YORK


ALBANY OFFICE
18 Computer Drive East
Suite 203
Albany, NY 12205
Phone: 518.459.3252
Fax: 518.459.3284

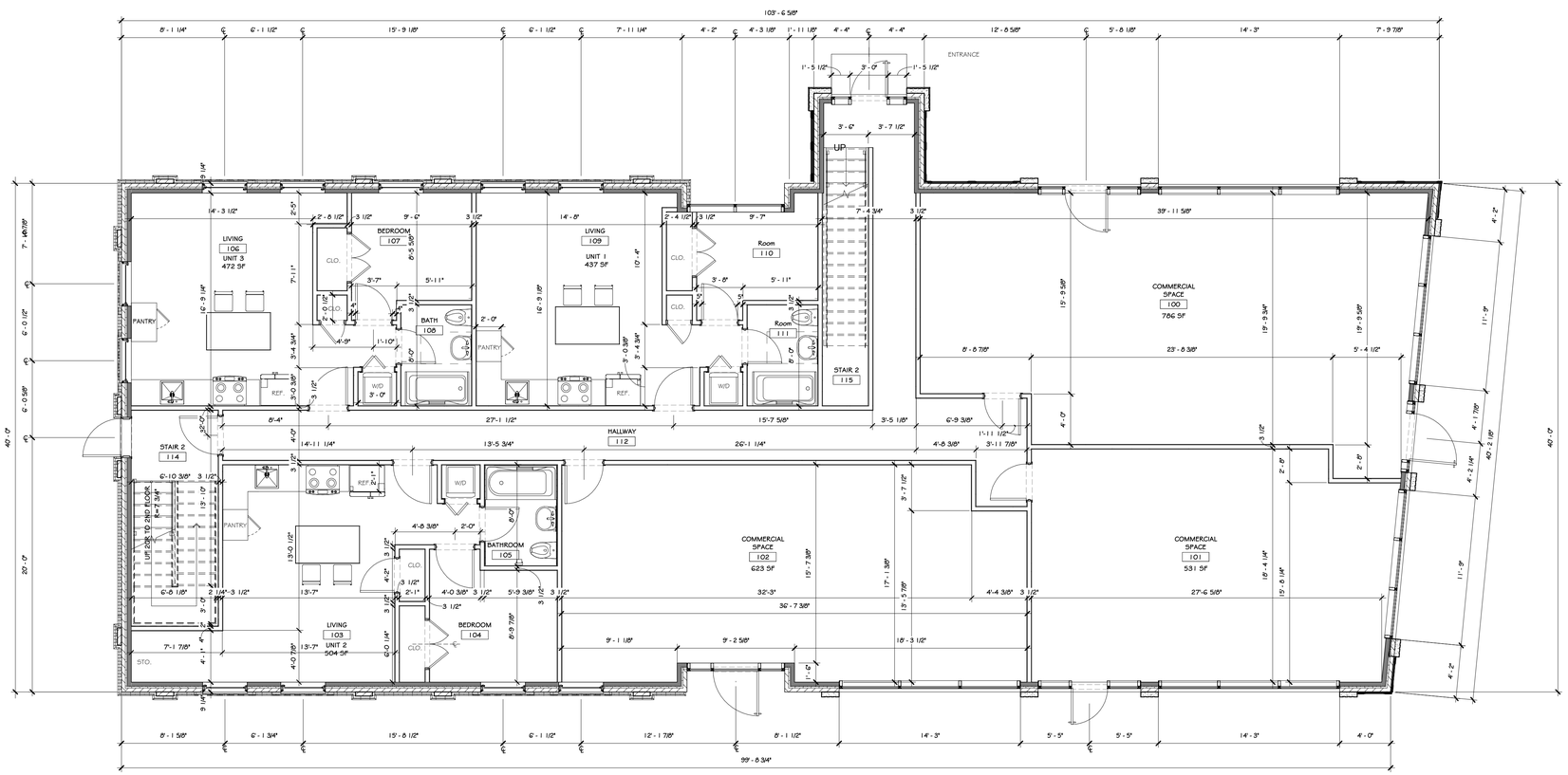

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| AS SHOWN | 11/13/17 | UB | UB |

| PROJECT NUMBER: | DRAWING NAME: |
|---|---|
| 17006773A | V-SURV |

SHEET TITLE:
BOUNDARY AND TOPOGRAPHIC SURVEY

SHEET NUMBER:
1 of 1

20171700773A\Survey\Plans\SURVey\SURVey-XXSURVEY By: LBOYER




1 FIRST FLOOR PLAN
3/16" = 1'-0"

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## BUILDING GROSS AREA

| | |
|---|---|
| • TOTAL GROSS SQUARE FOOTAGE | 3,872 S.F. |

PROJECT NORTH

KEY PLAN

AREA OF CONSTRUCTION

**100% CONCEPT SUBMISSION**

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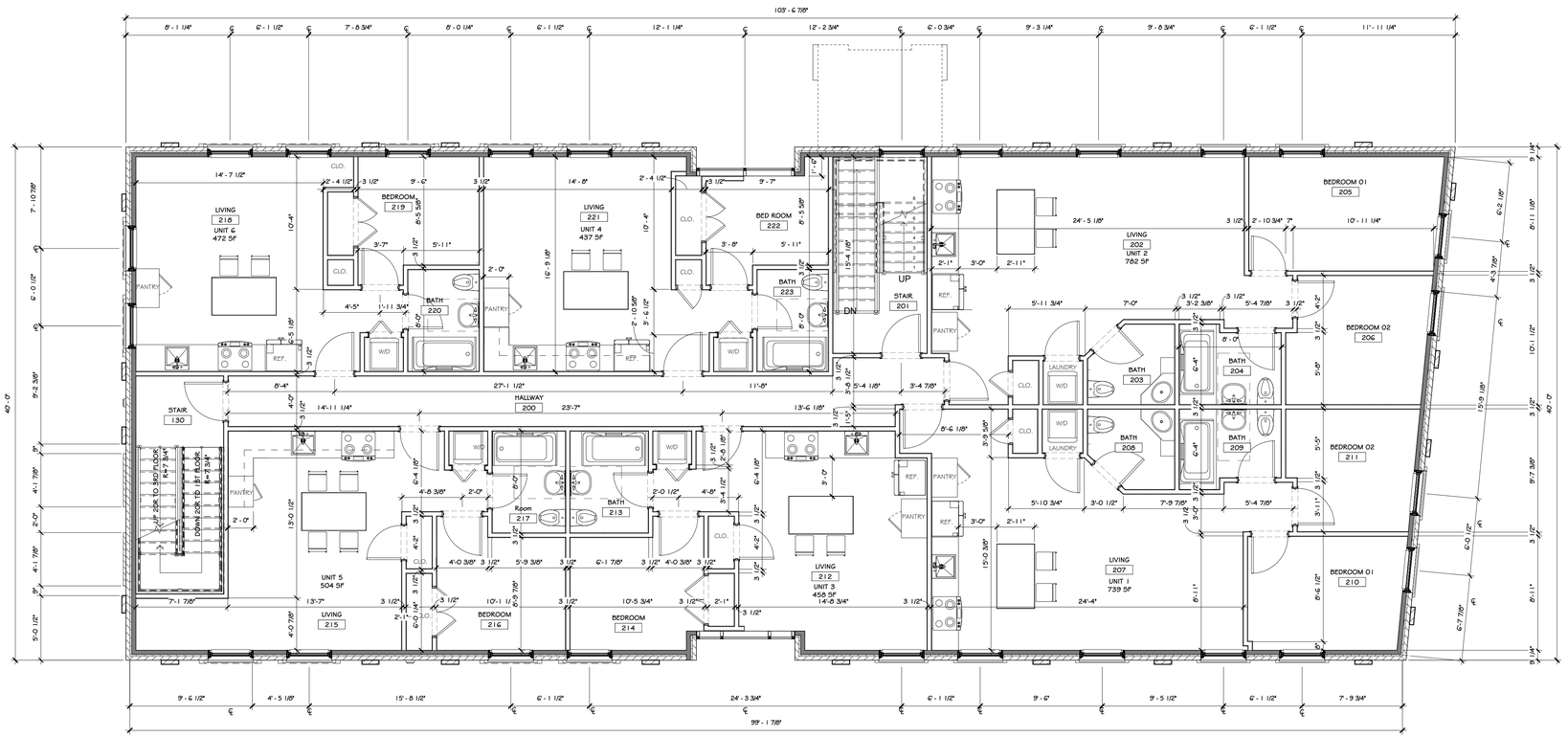
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Project: SOUTH AVENUE MIXED-USED COMMERCIAL BUILDING
134 - 136 SOUTH AVENUE
POUGHKEEPSIE, NY 12601

Drawing Name: FIRST FLOOR PLAN

Drawn: IDEA | Scale: AS NOTED | Project: 21122 | Date: 08/24/07

Drawing Number: A-201




A-301

A-301

A-300

A-300

1 SECOND FLOOR PLAN
3/16" = 1'-0"

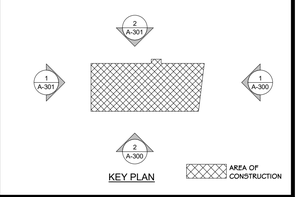
## BUILDING GROSS AREA

| | |
|---|---|
| • TOTAL GROSS SQUARE FOOTAGE | 3,622 S.F. |

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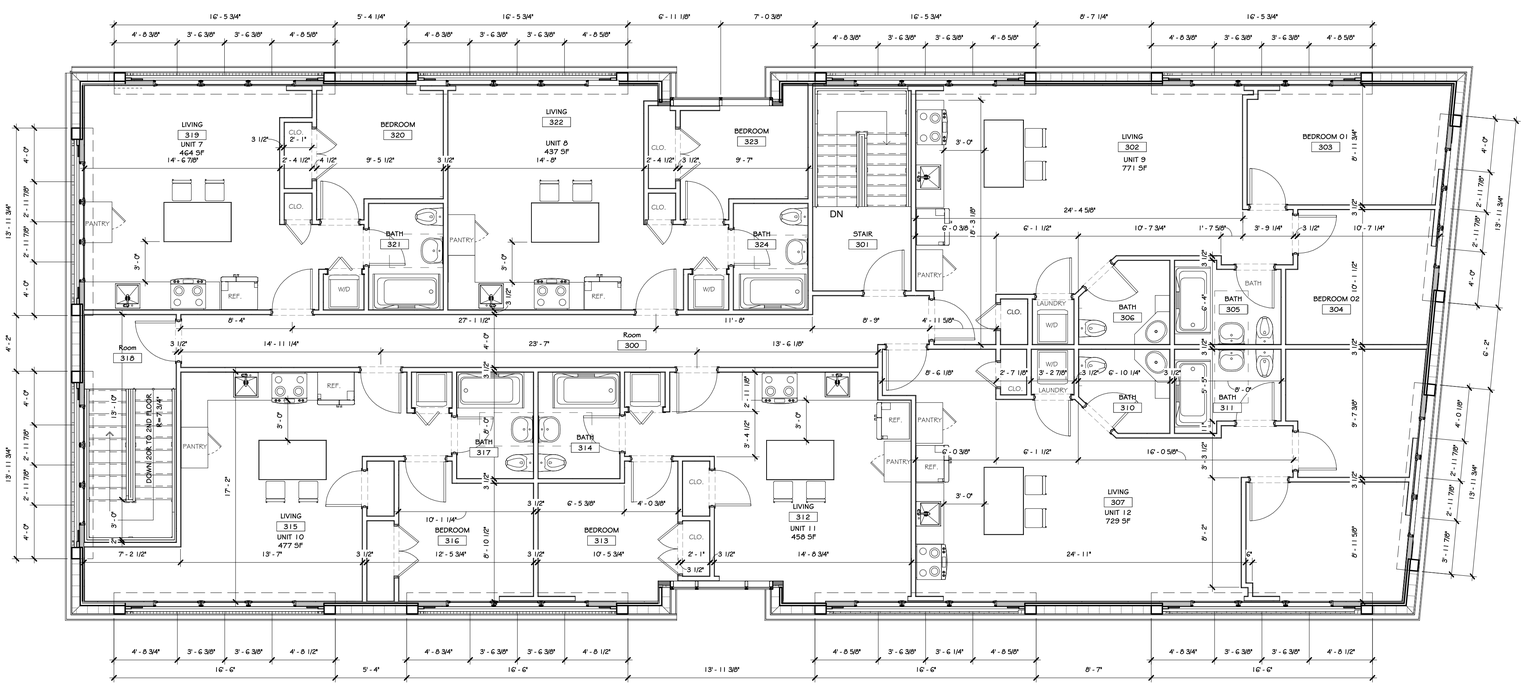

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Drawing Name: SECOND FLOOR PLAN

| Drawn: | Scale: | Project: | Date: |
|---|---|---|---|
| IDEA | AS NOTED | 21122 | 08/24/21 |

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A-301 2

A-301 1

A-300 1

A-300 2

1 THIRD FLOOR PLAN
3/16" = 1'-0"

## BUILDING GROSS AREA

| | |
|---|---|
| • TOTAL GROSS SQUARE FOOTAGE | 3,964 S.F. |

PROJECT

PROJECT

N O R T H

2 A-301 · 1 A-301 · 1 A-300 · 2 A-300

KEY PLAN

AREA OF CONSTRUCTION

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Drawing Name: THIRD FLOOR PLAN

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1 EAST EXTERIOR ELEVATION
3/16" = 1'-0"




2 SOUTH EXTERIOR ELEVATION
3/16" = 1'-0"

PROJECT NORTH

KEY PLAN

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Drawing Name: SOUTH & EAST EXTERIOR ELEVATIONS

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1 WEST EXTERIOR ELEVATION
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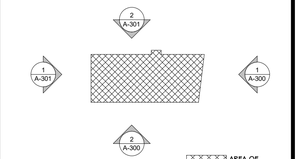

2 NORTH EXTERIOR ELEVATION
3/16" = 1'-0"

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Drawing Name: NORTH & WEST EXTERIOR ELEVATIONS

Drawn: Author | Scale: AS NOTED | Project: 21122 | Date: 08/24/21

Drawing Number: A-301




1 EXTERIOR RENDERING

## CONSTRUCTION NOTES

NOTE: NOT ALL NOTES MAY BE USED ON THIS DRAWING

PROJECT NORTH

KEY PLAN

AREA OF CONSTRUCTION

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Drawing Name: EXTERIOR RENDERING

| Drawn: | Scale: | Project: | Date: |
|---|---|---|---|
| IDEA | AS NOTED | 21122 | 09/13/21 |

Drawing Number: A-905

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1 EXTERIOR RENDERING

## CONSTRUCTION NOTES

NOTE: NOT ALL NOTES MAY BE USED ON THIS DRAWING

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KEY PLAN

AREA OF CONSTRUCTION

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Project: SOUTH AVENUE MIXED-USED COMMERCIAL BUILDING
134 - 136 SOUTH AVENUE
POUGHKEEPSIE, NY 12601

Drawing Name: EXTERIOR RENDERING

Drawn: IDEA | Scale: AS NOTED | Project: 21122 | Date: 09/13/21

Drawing Number: A-904

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# *Short Environmental Assessment Form*
## *Part 1 - Project Information*

**Instructions for Completing**

**Part 1 – Project Information. The applicant or project sponsor is responsible for the completion of Part 1.** Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification. Complete Part 1 based on information currently available. If additional research or investigation would be needed to fully respond to any item, please answer as thoroughly as possible based on current information.

Complete all items in Part 1. You may also provide any additional information which you believe will be needed by or useful to the lead agency; attach additional pages as necessary to supplement any item.

**Part 1 – Project and Sponsor Information**

Name of Action or Project:

134-136 South Avenue Mixed-Use Commercial Building

Project Location (describe, and attach a location map):

134-136 South Avenue, Poughkeepsie NY 12601

Brief Description of Proposed Action:

The applicant wishes to develop the lot located at 134-136 South Avenue in the City of Poughkeepsie (Tax ID # 6061-44-956742). The development will include razing of the existing residential building on site and construction of a new 3-floor Commercial-Residential mixed used building in its place. In total the building will accommodate space for 3 retail stores, 11 one-bedroom apartments, and 4 two-bedroom apartments. The remainder of the site will be developed to accommodate off-street parking and pedestrian ways. The site is located in the City of Poughkeepsie's C-1 Neighborhood Commercial Zoning District where mixed used residential buildings are allowed under special permit.

| Name of Applicant or Sponsor: | Telephone: 845-471-1047 |
|---|---|
| AE Baxter, LLC c/o Eric Baxter | E-Mail: eric@baxterbuilt.com |

Address:

278 Mill Street, Suite 100

| City/PO: | State: | Zip Code: |
|---|---|---|
| Poughkeepsie | New York | 12601 |

| | NO | YES |
|---|---|---|
| 1. Does the proposed action only involve the legislative adoption of a plan, local law, ordinance, administrative rule, or regulation? If Yes, attach a narrative description of the intent of the proposed action and the environmental resources that may be affected in the municipality and proceed to Part 2. If no, continue to question 2. | ☑ | ☐ |
| 2. Does the proposed action require a permit, approval or funding from any other government Agency? If Yes, list agency(s) name and permit or approval: City of Poughkeepsie Planning Board- Site Plan & SUP; City of Poughkeepsie ZBA - Area Variances | ☐ | ☑ |

3. a. Total acreage of the site of the proposed action? 0.28 acres
   b. Total acreage to be physically disturbed? +/- 0.26 acres
   c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? 0.28 acres

4. Check all land uses that occur on, are adjoining or near the proposed action:

5. ☑ Urban ☐ Rural (non-agriculture) ☐ Industrial ☑ Commercial ☑ Residential (suburban)
   ☐ Forest ☐ Agriculture ☐ Aquatic ☐ Other(Specify):
   ☐ Parkland

| | NO | YES | N/A |
|---|---|---|---|
| 5. Is the proposed action, | | | |
| a. A permitted use under the zoning regulations? | ☐ | ☑ | ☐ |
| b. Consistent with the adopted comprehensive plan? | ☐ | ☑ | ☐ |

| | NO | YES |
|---|---|---|
| 6. Is the proposed action consistent with the predominant character of the existing built or natural landscape? | ☐ | ☑ |

| | NO | YES |
|---|---|---|
| 7. Is the site of the proposed action located in, or does it adjoin, a state listed Critical Environmental Area? | | |
| If Yes, identify: _____ | ☑ | ☐ |

| | NO | YES |
|---|---|---|
| 8. a. Will the proposed action result in a substantial increase in traffic above present levels? | ☑ | ☐ |
| b. Are public transportation services available at or near the site of the proposed action? | ☐ | ☑ |
| c. Are any pedestrian accommodations or bicycle routes available on or near the site of the proposed action? | ☐ | ☑ |

| | NO | YES |
|---|---|---|
| 9. Does the proposed action meet or exceed the state energy code requirements? | | |
| If the proposed action will exceed requirements, describe design features and technologies: _____ _____ | ☐ | ☑ |

| | NO | YES |
|---|---|---|
| 10. Will the proposed action connect to an existing public/private water supply? | | |
| If No, describe method for providing potable water: _____ _____ | ☐ | ☑ |

| | NO | YES |
|---|---|---|
| 11. Will the proposed action connect to existing wastewater utilities? | | |
| If No, describe method for providing wastewater treatment: _____ _____ | ☐ | ☑ |

| | NO | YES |
|---|---|---|
| 12. a. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district which is listed on the National or State Register of Historic Places, or that has been determined by the Commissioner of the NYS Office of Parks, Recreation and Historic Preservation to be eligible for listing on the State Register of Historic Places? | ☑ | ☐ | |
| See CRIS printout. Archaeologically sensitive area encompasses entire print; however, area completely disturbed prior | | | |
| b. Is the project site, or any portion of it, located in or adjacent to an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory? | ☐ | ☑ | |

| | NO | YES |
|---|---|---|
| 13. a. Does any portion of the site of the proposed action, or lands adjoining the proposed action, contain wetlands or other waterbodies regulated by a federal, state or local agency? | ☑ | ☐ |
| b. Would the proposed action physically alter, or encroach into, any existing wetland or waterbody? | ☑ | ☐ |
| If Yes, identify the wetland or waterbody and extent of alterations in square feet or acres: _____ _____ | | |

14. Identify the typical habitat types that occur on, or are likely to be found on the project site. Check all that apply:

☐ Shoreline ☐ Forest ☐ Agricultural/grasslands ☐ Early mid-successional

☐ Wetland ☑ Urban ☑ Suburban

| | NO | YES |
|---|---|---|
| 15. Does the site of the proposed action contain any species of animal, or associated habitats, listed by the State or Federal government as threatened or endangered?<br>Atlantic Sturgeon, Bald Eag... | ☐ | ☑ |
| 16. Is the project site located in the 100-year flood plan? | ☑ | ☐ |
| 17. Will the proposed action create storm water discharge, either from point or non-point sources? | ☐ | ☑ |
| If Yes,<br>a. Will storm water discharges flow to adjacent properties? | ☐ | ☑ |
| b. Will storm water discharges be directed to established conveyance systems (runoff and storm drains)? | ☐ | ☑ |
| If Yes, briefly describe:<br>Potential discharge to city's storm collection system. | | |
| 18. Does the proposed action include construction or other activities that would result in the impoundment of water or other liquids (e.g., retention pond, waste lagoon, dam)?<br>If Yes, explain the purpose and size of the impoundment: | ☑ | ☐ |
| 19. Has the site of the proposed action or an adjoining property been the location of an active or closed solid waste management facility?<br>If Yes, describe: | ☑ | ☐ |
| 20.Has the site of the proposed action or an adjoining property been the subject of remediation (ongoing or completed) for hazardous waste?<br>If Yes, describe:<br>B00190 - C (Completed), E314108 - C (Completed) , C314108 - C (Completed)<br>Please refer to the attached DEC Site Records for more details on these sites. | ☐ | ☑ |

**I CERTIFY THAT THE INFORMATION PROVIDED ABOVE IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE**

Applicant/sponsor/name: Eric Baxter Date: 8/23/2021

Signature: _____ Title: Applicant

**PRINT FORM**



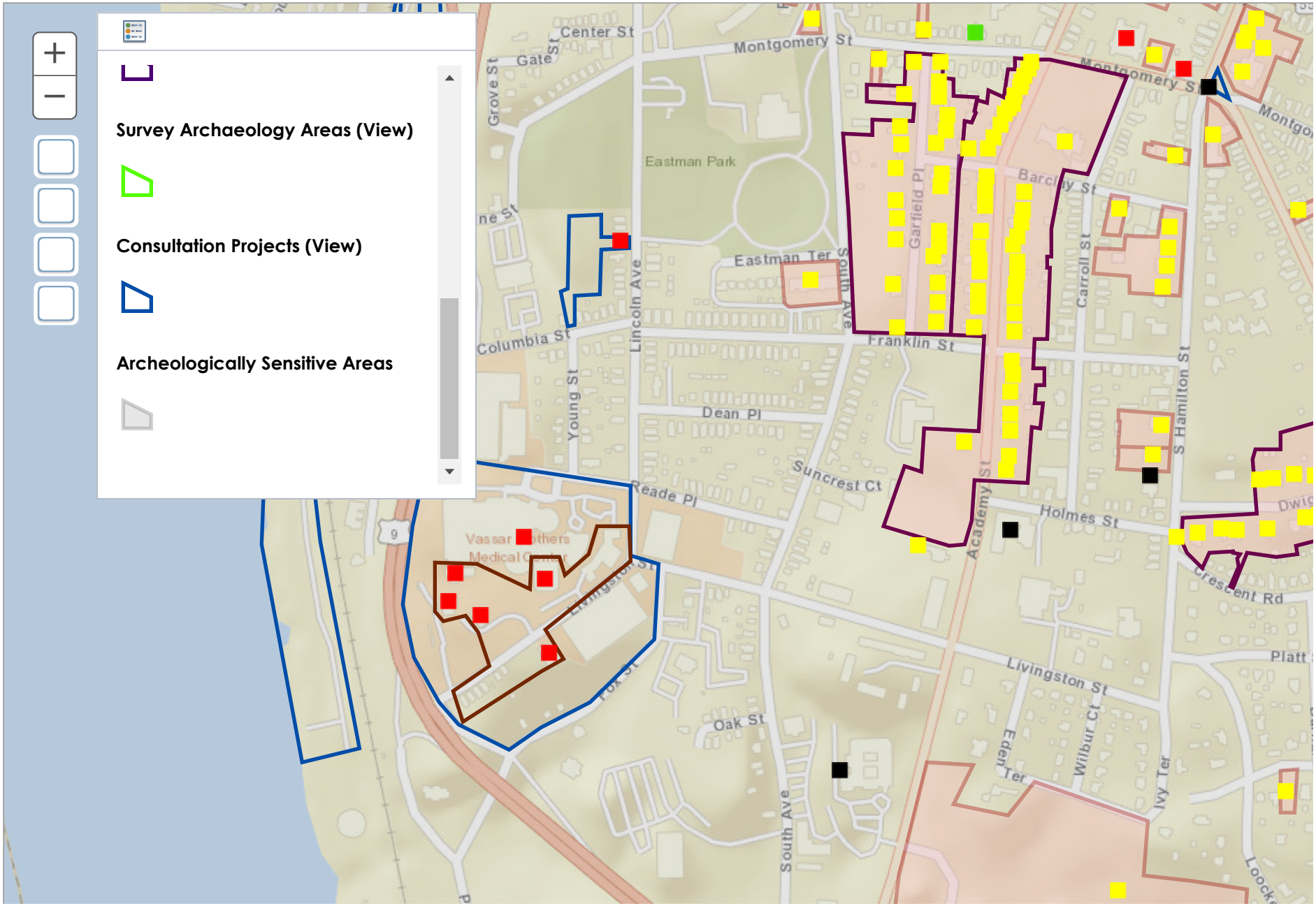

**Disclaimer:** The EAF Mapper is a screening tool intended to assist project sponsors and reviewing agencies in preparing an environmental assessment form (EAF). Not all questions asked in the EAF are answered by the EAF Mapper. Additional information on any EAF question can be obtained by consulting the EAF Workbooks. Although the EAF Mapper provides the most up-to-date digital data available to DEC, you may also need to contact local or other data sources in order to obtain data not provided by the Mapper. Digital data is not a substitute for agency determinations.




| | |
|---|---|
| Part 1 / Question 7 [Critical Environmental Area] | No |
| Part 1 / Question 12a [National or State Register of Historic Places or State Eligible Sites] | No |
| Part 1 / Question 12b [Archeological Sites] | Yes |
| Part 1 / Question 13a [Wetlands or Other Regulated Waterbodies] | No |
| Part 1 / Question 15 [Threatened or Endangered Animal] | Yes |
| Part 1 / Question 15 [Threatened or Endangered Animal - Name] | Atlantic Sturgeon, Bald Eagle, Shortnose Sturgeon |
| Part 1 / Question 16 [100 Year Flood Plain] | No |
| Part 1 / Question 20 [Remediation Site] | Yes |

CRIS Cultural Resource Information System

HOME SUBMIT SEARCH COMMUNICATE



NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

# Environmental Site Remediation Database Search Details

## Site Record

### Document Repository

Site-related documents are available for review through the DECInfo Locator on line at DECInfoLocator

## Administrative Information

**Site Name:** Hudson River Waterfront-DeLaval Property
**Site Code:** B00190
**Program:** Environmental Restoration Program
Classification: C
**EPA ID Number:**

## Location

**DEC Region:** 3
**Address:** 202-204 Rinaldi Blvd.
**City:**Poughkeepsie (c) Zip: 12601-
**County:**Dutchess
**Latitude:** 41.694702778
**Longitude:** -73.939361111
**Site Type:** DUMP
**Estimated Size:** 13.64 Acres

## Institutional And Engineering Controls

**Control Type:**
Environmental Easement

**Control Elements:**
Ground Water Use Restriction
Soil Management Plan
Cover System
Subsurface Barriers
Fencing/Access Control
Landuse Restriction
Monitoring Plan
Site Management Plan
O&M Plan
IC/EC Plan
Vapor Mitigation

## Site Owner(s) and Operator(s)

**Current Owner Name:** City of Poughkeepsie
**Current Owner(s) Address:** 62 CIVIC CENTER PLAZA
POUGHKEEPSIE,NY, 12601

## Site Document Repository

**Name:** Adriance Memorial Library
**Address:** 93 Market Street
Poughkeepsie,NY 12601
**Name:** NYSDEC Region 3
**Address:** 21 S. Putt Corners Rd
New Paltz,NY 12561
**Name:** City of Poughkeepsie Engineering
**Address:** City Hall
62 Civic Center Plaza Poughkeepsie,NY 12601

## Site Description

Location: The Hudson River Waterfront-DeLaval Property is an approximately 13.64-acre site located in an urban portion of the City of Poughkeepsie, Dutchess County. The site lies southwest of the intersection of Rinaldi Boulevard and Pine Street. It consists of a long, thin, waterfront parcel along the eastern shore of the Hudson River, bordered to the north by a restaurant/catering facility, to the east by railroad tracks, and to the south by a major oil storage facility. Site Features: Most of the site is covered by crushed stone or clean soil. The northern portion of the site has been paved and is being used as a parking lot. Prior to remediation, the site was largely overgrown with grass and shrubs with some larger trees in a relatively small area in the southwest portion of the site. Current Zoning and Land Use: The site is currently vacant, except for the aforementioned parking lot, and is within the Waterfront zoning district. The surrounding parcels to the north and east are predominantly used for commercial and residential purposes. The surrounding properties to the south are currently used for industrial purposes. the City of Poughkeepsie uses the site for storage. Past Use of the Site: From the late 1800's until the 1960's, the site was used to manufacture various types of stainless steel farming equipment. Other former industrial usages include a supplier of construction materials, a tannery, a carpentry shop, and coal sheds. These uses appear to have led to contamination from various industrial operations including waste disposal/landfill area, convenience dumping, an underground fuel oil storage tank and underground petroleum pipelines. Site Geology and Hydrogeology: Much of the site is made land and consists of fill material. The depth of the fill ranges from 2 to 11 feet across the site. The fill material includes a significant amount of construction and demolition debris from the demolition of buildings that once occupied the site. Soils encountered beneath the fill and in areas where fill was not encountered generally consists of silt and fine sand. Bedrock outcrops occur at the southern boundary of the site, particularly in the southwest corner, and also outcrops near the northeastern corner. Bedrock was observed to consist of dark grey shale at these locations. Bedrock drops steeply and was not encountered in other areas of the site. The depth to groundwater at the site ranges from 5 to 7 feet below grade. The groundwater fluctuations are believed to be due to tidal

changes in the river elevation of the adjacent Hudson River. Shallow groundwater flow is largely influenced by the tidal fluctuations of the Hudson River, with a general flow direction to the west toward the river.

## Summary of Project Completion Dates

Projects associated with this site are listed in the Project Completion Dates table and are grouped by Operable Unit (OU). A site can be divided into a number of operable units depending on the complexity of the site and the number of issues associated with a site. Sites are often divided into operable units based on the media to be addressed (such as groundwater or contaminated soil), geographic area, or other factors.

Project Completion Dates

## Contaminants of Concern (Including Materials Disposed)

| Contaminant Name/Type |
|---|
| 1,2,4-trimethylbenzene |
| barium |
| benzo(b)fluoranthene |
| chrysene |
| naphthalene |
| polychlorinated biphenyls (PCB) |
| selenium |
| unknown petroleum |
| cadmium |
| lead |
| benzene |
| mercury |
| arsenic |
| benzo(a)pyrene |
| 1,3,5-trimethylbenzene |
| benzo(a)anthracene |
| xylene (mixed) |
| acetone |
| chromium |

## Site Environmental Assessment

Nature and Extent of Contamination: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern at the site included volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), metals and polychlorinated biphenyls (PCBs). The VOCs and SVOCs are primarily related to the petroleum contamination, which is still present at residual levels at the site. PCBs were primarily present in the landfill area, which has been removed. Soil: Levels of SVOCs and

metals are likely still present at relatively low levels across much of the site. A site cover system has been constructed across the site as part of the remedy. Remedial actions have successfully achieved cleanup objectives for commercial use. Residual contamination in the soil is being managed under a Site Management Plan.

## Site Health Assessment

Contaminated soils remain at the site below clean backfill. People will not come in contact with contaminated soils or groundwater unless they dig below the surface materials. People are not drinking the contaminated groundwater because the area is served by a public water supply is not affected by this contamination. Volatile organic compounds in the groundwater or soil may move into the soil vapor (air spaces within the soil), which in turn may move into overlying buildings and affect the indoor air quality. This process, which is similar to the movement of radon gas from the subsurface into the indoor air of buildings, is referred to as soil vapor intrusion. Because the site is vacant, the inhalation of site-related contaminants due to soil vapor intrusion does not represent a current concern. However, active sub-slab depressurization systems (systems that ventilate/remove the air from beneath the building) will be installed in any new buildings constructed on the site.

For more Information: E-mail Us

Refine This Search

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# Environmental Site Remediation Database Search Details

## Site Record

### Document Repository

Site-related documents are available for review through the DECInfo Locator on line at DECInfoLocator

## Administrative Information

**Site Name:** PURA -14 Property
**Site Code:** E314108
**Program:** Environmental Restoration Program
Classification: C
**EPA ID Number:**

## Location

**DEC Region:** 3
**Address:** Pine Street
**City:**Poughkeepsie Zip: 12601
**County:**Dutchess
**Latitude:** 41.698541667
**Longitude:** -73.9374
**Site Type:**
**Estimated Size:** 5.53 Acres

## Institutional And Engineering Controls

**Control Type:**
Environmental Easement

**Control Elements:**
Landuse Restriction

## Site Owner(s) and Operator(s)

**Current Owner Name:** City of Poughkeepsie Industrial Development Agency
**Current Owner(s) Address:** 62 Civic Center Plaza
Poughkeepsie,NY, 12601

## Site Description

Location Description: The PURA-14 site is located in an urban portion in the City of Poughkeepsie, Dutchess County, NY. The site lies northeast of the intersection of Rinaldi Boulevard and Pine Street, and Route 9 runs along the east side. This site is approximately 5.53 acres in size. Predominant Site Features: The site is largely overgrown with grass and other various forms of vegetation with no existing buildings, and a single paved road through the center running north to south. Bordered to the west by railroad tracks, a restaurant/catering facility, and finally the Hudson River. Current Use: The site is currently inactive but until 1960's was home to the Moline plow company, an artillery shell manufacturer, and a chemical fertilizer manufacturer. Surrounding Uses: The surrounding parcels are currently used for a combination of commercial, industrial, residential, recreational, and a hospital on Pine Street. Historical Sources of Contamination: Prior uses that appear to have led to site contamination include convenience dumping, C&D wastes, and the manufacturing of plows, ammunition, and fertilizer. Investigation/Actions performed to Date: Completed investigations include a Phase I Environmental Site Assessment for the Procida Waterfront Property (1999), Phase II Subsurface Investigation (2001), and the Environmental Restoration Program (ERP) Remedial Investigation/Alternatives Analysis Report completed in 2005. Current Actions: A Record of Decision (ROD) was issued under the ERP in March 2006, requiring a demarcation layer beneath a minimum two feet of clean soil cover or paved surfaces; institutional controls in the form of an environmental easement; a site management plan, and periodic certification that the remedy remains in place and is effective. Remedial Action is being addressed under the Brownfield Cleanup Program (see Site ID No. C314108). Environmental Easement was terminated under the ERP program and refiled under the BCP. See C314108.

## Contaminants of Concern (Including Materials Disposed)

**Contaminant Name/Type**

beryllium
arsenic
benzo(a)pyrene
benzo(k)fluoranthene
zinc
benzo(b)fluoranthene
cadmium
chrysene
silver
antimony
lead
mercury
thallium
benzo(a)anthracene
copper
nickel

selenium
dibenz[a,h]anthracene

## Site Environmental Assessment

Contaminants of Concern: The primary contaminants of concern at this site are metals, and semi-volatile organic compounds (SVOCs). Impacted Media: Investigations indicate the contamination is present in the surface and subsurface soil at this site, typical of a former industrial property. The soil contamination is associated with the manufacture of artillery shells, snow plows and other past site uses. No groundwater impacts were identified during the 2005 Remedial Investigation.

## Site Health Assessment

Elevated levels of PAHs are present in surface and subsurface soils. Elevated concentrations of metals were also detected in the surface soils. Groundwater is not impacted. A Record of Decision has been issued and the areas of contamination on the site are to be covered with a minimum two foot soil cover or paved, reducing the potential for direct contact exposures. The area is served by public water.

For more Information: E-mail Us

Refine This Search

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

# Environmental Site Remediation Database Search Details

## Site Record

### Document Repository

Site-related documents are available for review through the DECInfo Locator on line at DECInfoLocator

## Administrative Information

**Site Name:** PURA-14 Site
**Site Code:** C314108
**Program:** Brownfield Cleanup Program
Classification: C
**EPA ID Number:**

## Location

**DEC Region:** 3
**Address:** 36 Pine Street
**City:**Poughkeepsie Zip: 12601
**County:**Dutchess
**Latitude:** 41.698541667
**Longitude:** -73.9374
**Site Type:**
**Estimated Size:** 5.53 Acres

## Institutional And Engineering Controls

**Control Type:**
Environmental Easement

**Control Elements:**
Ground Water Use Restriction
Soil Management Plan
Cover System
Landuse Restriction
Site Management Plan
IC/EC Plan

## Site Owner(s) and Operator(s)

**Current Owner Name:** CITY OF POUGHKEEPSIE IDA
**Current Owner(s) Address:** 28 Garfield Place
POUGHKEEPSIE,NY, 12601

## Site Document Repository

**Name:** Adriance Memorial Library
**Address:** 93 Market Street
Poughkeepsie,NY 12602

## Site Description

Location: The PURA-14 site is located in an urban area in the City of Poughkeepsie, Dutchess County. The site is generally bounded by Laurel Street to the north, Pine Street to the south, Route 9 to the east and railroad tracks to the west. This site is approximately 5.5 acres in size. Site Features: The site was redeveloped in 2016 as a 136 unit apartment building with swimming pool, parking spaces, landscaping and peripheral grass covered areas. The building includes indoor parking, office and multi-use space on the ground floor. There are no residences on the ground floor. Current zoning: Current land use code is 411 (apartments). The surrounding parcels are currently used for a combination of commercial, industrial, residential and recreational purposes. Past Use of the Site: Until the 1960's the property was used for a variety of purposes and was formerly home to several industrial operations, including the Moline plow company, an artillery shell manufacturer, a rail yard, and a chemical fertilizer manufacturer. Site Geology and Hydrology: The Remedial Investigation showed site soils consist of fill materials including asphalt, ash, slag, brick, concrete, metal fragments, slag, silty sand and various fill soils. Fill deposits varied in thickness across the site and exceeded 10 feet in some locations. The natural soils underlying the fill materials consisted primarily of poorly sorted fine, medium, and coarse sands with trace amounts of fine gravel. Layers of clayey silt were also present at certain depths. Bedrock was encountered in the northeastern comer of the site at a depth of 18 feet below ground surface. Groundwater was encountered at depths ranging from approximately 16 feet to 18 feet below ground surface and flows generally in a southwesterly direction towards the Hudson River.

## Summary of Project Completion Dates

Projects associated with this site are listed in the Project Completion Dates table and are grouped by Operable Unit (OU). A site can be divided into a number of operable units depending on the complexity of the site and the number of issues associated with a site. Sites are often divided into operable units based on the media to be addressed (such as groundwater or contaminated soil), geographic area, or other factors.

Project Completion Dates

## Contaminants of Concern (Including Materials Disposed)

| Contaminant Name/Type |
|---|
| benzo(a)anthracene |
| benzo(b)fluoranthene |

arsenic
benzo(a)pyrene
lead

## Site Environmental Assessment

Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were benzo(a)anthracene, benzo(b)fluoranthene, chrysene, benzo(a)pyrene and dibenzo(a,h)anthracene and metals in soil. Remedial action consisting of installing a cover system has successfully achieved soil cleanup objectives for restricted residential use. The property was developed in 2016 by constructing apartment buildings on site. The cover system disturbed during the construction activity was restored. Residual contamination in the soil is being managed under a Site Management Plan.

## Site Health Assessment

Residual soil contamination is covered by clean soil or pavement so public contact with subsurface contamination is unlikely. Drinking contaminated groundwater is not expected because public water serves the area. Prior to any building being constructed on the site, the potential for soil vapor intrusion will be evaluated and, if necessary, mitigative measures implemented to protect building occupants.

For more Information: E-mail Us

Refine This Search

Rhinebeck Bank

August 26, 2021

R. L. Baxter Building Corp, Inc.
Eric Baxter
278 Mill St., Suite 100
Poughkeepsie, NY 12601

RE: Letter of reference

To whom it may concern:

Rhinebeck Bank has been working with R. L. Baxter and the members of the Baxter family since 2012. During this time, I have had the privaledge to be their relationship manager and have had the opportunity to finance roughly 15 projects with them. These range from medium six figure budgets to high seven figure budgets. I can say emphatically that there has not been one instance where the project was not completed on time. Perhaps more importantly, every project was completed within the outlined budget presented to the Bank prior to the construction beginning.

Without getting into specifics, R. L. Baxter is a well capitalized company that keeps average depsit balances at the Bank that are in the seven figures. Additionally, they maintain a line of credit that is also in the seven figures that has always been paid as agreed and all financial covenants have been met.

On a personal note, I can not express enough that it has always been a pleasure to work with Eric, Amanda and Robert Baxter. Aside from the quality work that they have performed, I am confident in saying that their character has played an important role in their growth in the Hudson Valley. If there are any additional questions that you may have pertaining to R. L. Baxter, please do not hesitate to contact me at 845-489-2997.

Sincerely,

Roy Shemitz
Vice President, Commercial Lending

Member FDIC Equal Housing Lender

Amended
09.27.21

APPLICATION TO THE PLANNING BOARD
CITY OF POUGHKEEPSIE, NEW YORK

# Application for Site Plan, Special Permit & Facade Approval

OFFICE USE ONLY

CODE: PLSF

ID #_____

FEE: _____
Total, from:
$500, plus
$_____
($150 per 1000 square feet of floor area), plus
$_____
($35 per number of required parking spaces), plus
$_____
($500 for special permit, if applicable)

**I. PROPERTY ADDRESS:** 6162-69-073173 / 267 Mill Street

**II. PROPERTY OWNER:** Page Park Associates
**ADDRESS:** PO Box 792
Poughkeepsie NY 12602
_____ (state and zip code)
**PHONE NUMBER:** 845.471.0191 (include area code)

**III. NAME OF APPLICANT:** Kelly Libolt/ Page Park Associates
**ADDRESS:** _____
_____
_____ (state and zip code)
**PHONE NUMBER:** _____ (include area code)
**EMAIL ADDRESS:** kelly@pageparkassociates.com

(If applicant is NOT the owner, proof of owner's consent to the application MUST be provided.)

**IV. CONSULTANT:** _____
**ADDRESS:** _____
_____
_____ (state and zip code)
**PHONE NUMBER:** _____ (include area code)

**V. PROPOSED USE or FAÇADE CHANGE** (Summarize proposed use or uses):_____
See Attached Renderings

**VI. ZONING DISTRICT:** CE - Creative Edge

***(Proceed to XVII for special permit & façade approval only)***

## PROJECT INFORMATION

New construction: _____(yes)__X__ (no)

Change of use:__X__ (yes) _____ (no)

Expansion/addition:_____ (yes) __X__ (no)

Alteration:__X__ (yes) _____ (no)

Cost of Construction: $__$450,000__

**LOT AND BULK INFORMATION**:

Lot area: __0.25 acres__ (acres) _____ (square feet)

Building Footprint: __0__ (proposed square feet for new construction)

__6,334__ (existing square feet for change of use/expansion)

__0__ (additional proposed square feet for expansion)

__6,334__ (total building footprint, square feet)

Lot Coverage: __0.29__ (percentage, building coverage only)

Gross Floor Area: __0__ (proposed square feet for new construction)

__6,334__ (existing square feet for change of use/expansion)

__0__ (additional proposed square feet for expansion)

__6,334__ (total gross floor area, square feet)

Building Height: __3__ (stories) _____ (feet)

Floor Area Ratio: __0.58__ (ratio of gross floor area divided by lot area)

## VIII. PROJECT PARKING INFORMATION

A) Number of Off-Street Parking Spaces required: __27__

B) Number of Off-Street Parking Spaces provided: __27__

C) Waiver Requested: _____ (Yes) __X__ (No)

Is municipal parking available within 600 feet? _____ (Yes) _____ (No)

If yes, name all such municipal facilities: _____

_____

_____

(If a waiver is requested based on proximity to municipal facilities, a written request for such waiver, addressed to the City Planning Staff and the Chairman of the Planning Board, must be submitted with the application.)

If a private parking facility is to be utilized, is such facility within 600 feet?

_____ (Yes) _____ (No)

If yes, provide the address of the facility, name of the property owner, number of spaces in the lot, number of spaces available for lease, and length of lease. Attach copy of lease. Additional information may be required by the Planning Board): _____

_____

_____

_____

## IX. RESIDENTIAL PROPOSALS

A) Type of Development: Mulfi-Family
(Townhouse, condominium, multiple residence rental, etc.)

B) Unit Breakdown:

Number of efficiency or "studio" units: 0

Number of one (1) bedroom units: 7 (including 2 live/work) AMENDED 09.27.21

Number of two (2) bedroom unit's 1

Number with three or more bedrooms: 0

Total number of units: 8 AMENDED 09.27.21

C) Is funding public? ____ Yes X No

If yes, describe funding source: _____

## X. OFFICE PROPOSALS (____ Medical/Dental ____ Professional ____ Business)

A) Number of Employees: _____

B) Number of doctors/dentists/medical practitioners: _____

C) Days/Hours of Operation: _____

**XI. SERVICE BUSINESS PROPOSALS**

A) Specify Business: _____
(e.g., laundromat, drycleaner, beauty parlor, travel agency, banks)

B) Number of Employees: _____

C) Number of Washing Machines (for laundromat): _____

D) Days/Hours of Operation: _____

**XII. MERCANTILE PROPOSALS** (Retail _____ Wholesale _____)

A) Type of Mercantile (specify): _____

B) Number of Employees: _____

C) Days/Hours of Operation: _____

**XIII. STANDARD RESTAURANT/FAST FOOD RESTAURANT/COFFEE SHOP/DONUT SHOP/NIGHTCLUB/DISCOTHEQUE/BAR PROPOSALS**

A) Specify Use: _____

B) Number of seats (excluding bar stools and outdoor seating):_____

C) Meals served (i.e., breakfast, lunch, dinner): _____

D) Type of Menu: _____

E) Days/Hours of Operation: _____

F) Entertainment (live and/or recorded):_____

G) Will the restaurant contain a bar/lounge?: _____ Yes _____ No

H) If yes, how many seats at the bar? _____

I) Is a drive-through window proposed? _____

J) Is a walk-up window proposed? _____

K) Is an outdoor seating area proposed? _____

L) If yes, how many seats are proposed? _____

M) If yes, is outdoor cooking proposed? _____

**XIV. INDUSTRIAL/COMMERCIAL PROPOSALS** (Automobile repair, taxi, motor vehicle sales, warehouse, manufacturing, animal hospital, research facilities, etc.)

A) Specify Use: _____

B) Number of shifts (if any): _____

C) Number of employees: _____
(If shifts are proposed, list number of employees per shift)

E) Number of work bays (if automobile repair): _____

F) Days/Hours of operation: _____

**XV. EDUCATIONAL/INSTITUTIONAL/RECREATIONAL PROPOSALS** (e.g., Museums, Theatres, Conference Centers, Hotels, Motels, Hospitals, Nursing Homes, Assisted Living Facilities, Nursery Schools, Private Schools, Day Care Centers, Places of Worship, Marinas, Membership Clubs, etc.)

A) Specify: _____

B) Number of shifts (if any): _____

C) Number of employees: _____
(If shifts are proposed, list number of employees per shift)

D) Number of beds (hospitals, nursing homes, etc): _____

E) Number of seats in largest assembly space: _____

F) Number of classrooms (schools): _____

G) Number of rental units (hotels, motels, etc.) _____

H) Number of boat slips/courts (e.g., tennis, handball, etc.), alleys: _____

I) Days/Hours of Operation: _____

**XVI. PROPOSALS NOT MENTIONED ABOVE** (Please be specific):

_____

_____

_____

_____

_____

**XVII. APPLICANT CERTIFICATION**

I, Kelly Libolt _____, certify that the this application has addressed the objectives outlined in the Zoning Ordinance with consideration given to the public health, safety and welfare; the comfort and convenience of the public in general or the residents or users of the proposed development and of the immediate neighborhood.

The applicant certifies that all information contained herein is accurate and complete as of the date of this application.

KLibolt _____ 10.05.20 AMENDED 09.27.21 _____

Signature of Applicant Date

KARC
PLANNING CONSULTANTS, INC.

September 27, 2021

Ms. Natalie Quinn
City of Poughkeepsie Planning Department
62 Civic Center Plaza
Poughkeepsie, NY 12601

Ms. Judy Knauss
City of Poughkeepsie Zoning Administration
62 Civic Center Plaza
Poughkeepsie, NY 12601

**Re: 267 Mill Street**
**Amended Site Plan Application**

Dear Ms. Quinn:

Enclosed please find the following:

1. Amended Site Plan Application prepared September 27, 2021
2. Amended Site Plan (SP1) prepared by the LRC Group dated September 14, 2021
3. Amended Basement Floor Plan (A104) prepared by LMV Architects dated September 21, 2021
4. ANSI Standards for Basement Window Well (A801) prepared by LMV Architects dated June 15, 2021

As discussed, the Applicant has received Site Plan approval from the Planning Board. The Applicant is seeking permission to add one more apartment (7 approved + 1 new = 8 apartments) in the ½ basement of the existing structure. The parking lot contains more parking than required and as such there are no changes to the exterior of this building which would affect the site plan review.

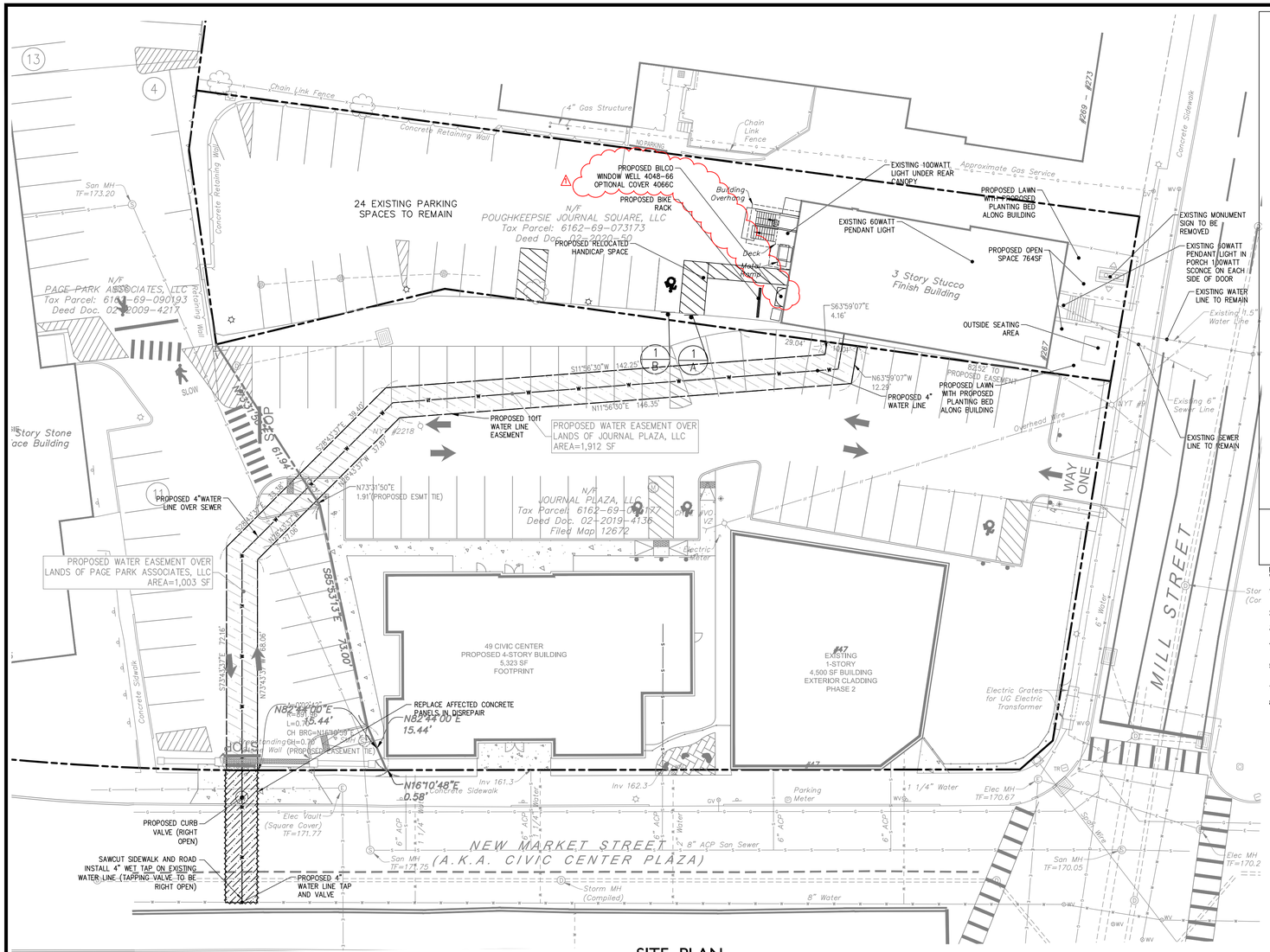
Please advise if you require any further information for this request.

Thank you for your continued assistance with this matter. Please advise when the copies are ready for pick up.

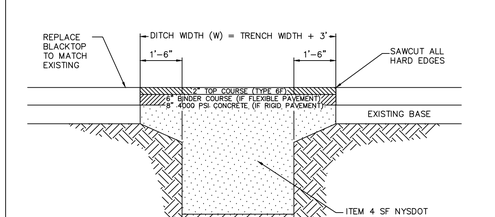
Sincerely,

Kelly Libolt

PO Box 924 | Poughkeepsie, NY 12602 | 845.594.1055 | kelly@karcpc.com
DBE Certified | WBE Certified in NY and NJ | US SBA WOSB & EDWOSB Certified

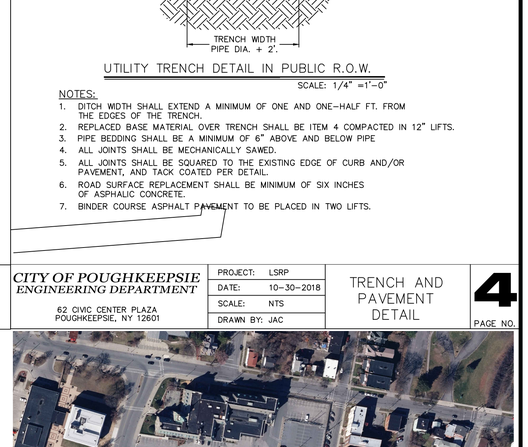



## SITE PLAN
SCALE 1"=20'




NOTE: ALL BACKFILL TO BE PLACED IN 1' LIFTS AND COMPACTED TO 95% OF MODIFIED PROCTOR (ASTM 1557)

## TAPPING SLEEVE & VALVE
SCALE: N.T.S.

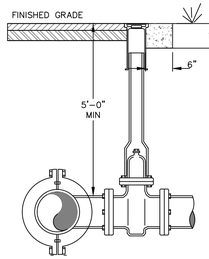



## UTILITY TRENCH DETAIL IN PUBLIC R.O.W.
SCALE: 1/4" =1'-0"

NOTES:
1. DITCH WIDTH SHALL EXTEND A MINIMUM OF ONE AND ONE-HALF FT. FROM THE EDGES OF THE TRENCH.
2. REPLACED BASE MATERIAL OVER TRENCH SHALL BE ITEM 4 COMPACTED IN 12" LIFTS.
3. PIPE BEDDING SHALL BE A MINIMUM OF 6" ABOVE AND BELOW PIPE
4. ALL JOINTS SHALL BE MECHANICALLY SAWED.
5. ALL JOINTS SHALL BE SQUARED TO THE EXISTING EDGE OF CURB AND/OR PAVEMENT, AND TACK COATED PER DETAIL.
6. ROAD SURFACE REPLACEMENT SHALL BE MIMIMUM OF SIX INCHES OF ASPHALIC CONCRETE.
7. BINDER COURSE ASPHALT PAVEMENT TO BE PLACED IN TWO LIFTS.

| | | | | | |
|---|---|---|---|---|---|
| CITY OF POUGHKEEPSIE ENGINEERING DEPARTMENT<br>80 WASHINGTON STREET<br>POUGHKEEPSIE, NY 12602 | FILE NO.: | | TAPPING SLEEVE & VALVE | 1<br>PAGE NO. | CITY OF POUGHKEEPSIE ENGINEERING DEPARTMENT<br>62 CIVC CENTER PLAZA<br>POUGHKEEPSIE, NY 12601 |
| | DATE: | 3-6-00 | | | |
| | SCALE: | AS NOTED | | | |
| | DRAWN BY: | JP | | | |

NOTES:
WET TAP OF WATER MAIN SHALL BE PERFORMED UNDER THE SUPERVISION OF THE ENGINEER, AND THE CITY OF POUGHKEEPSIE.
1. TAPPING SLEEVE AND VALVE SUPPORT SHALL BE COORDINATED WITH THE ENGINEER TO SUIT FIELD CONDITIONS.
2. MINIMUM DISTANCE TO JOINTS, FITTINGS, OR OTHER WET TAPS OR STOPS SHALL BE 3 FEET.
3. VALVE OPERATING DIRECTION SHALL BE OPEN RIGHT (TURNING RIGHT).
4. STAINLESS STEEL TAPPING SLEEVE SHALL BE SELECTED TO FIT EXISTING PIPE MATERIAL (C.I., D.I., A.C.) AND OUTSIDE DIAMETERS.
5. TAPPING SLEEVE, RESILIENT WEDGE VALVE & VALVE BOX SHALL BE IN ACCORDANCE WITH CITY OF POUGHKEEPSIE STANDARDS & AS MANUFACTURED BY (MUELLER) OR APPROVED EQUIVALENT.
7. ALL JOINTS SHALL UTILIZE MEGA LUG RETAINER GLAND.
8. PIPE BEDDING AND BACKFILL TO BE INSTALLED IN ACCORDANCE WITH PIPE TRENCHING DETAIL.




## WATER TAPPING SLEEVE AND VALVE
NOT TO SCALE

| | | | | | |
|---|---|---|---|---|---|
| | PROJECT: | LSRP | TRENCH AND PAVEMENT DETAIL | 4<br>PAGE NO. | |
| | DATE: | 10-30-2018 | | | |
| | SCALE: | NTS | | | |
| | DRAWN BY: | JAC | | | |




## VICINITY MAP
SCALE: 1"=200'

GRAPHIC SCALE
20 10 0 20
SCALE IN FEET

EXISTING LOT AT 267 MILL TO POTENTIALLY HAVE FUTURE CONNECTION TO ADJOINING LOT PARKING AREA

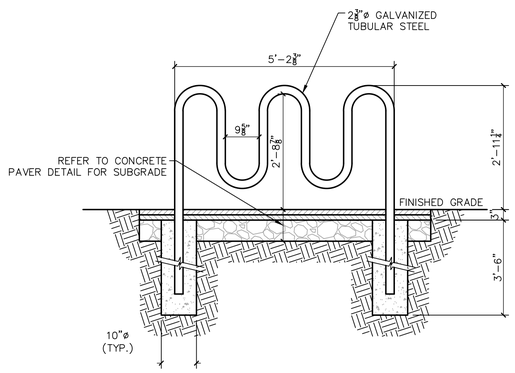
## SIGN LEGEND

| NO. | LEGEND | QTY. |
|---|---|---|
| A | RESERVED PARKING | 1 |
| B | NO PARKING ANYTIME | 1 |

## PROPERTY OWNERS
6162-69-073173
(267 MILL STREET)
POUGHKEEPSIE JOURNAL SQUARE
PO BOX 792
POUGHKEEPSIE, NY 12602

CITY PLANNING BOARD
CITY OF POUGHKEEPSIE, NEW YORK
**SITE PLAN APPROVAL**
FILE NO:
PROJECT NAME:
PROJECT LOCATION:
APPLICANT:
**OFFICIALLY APPROVED** AT THE PLANNING BOARD
MEETING HELD THE _____DAY OF_____2_____
PLANNING CHAIR:
DESIGNEE:
DATE SIGNED:
CONDITION(S)

FIRE CHIEF
POLICE CHIEF
BUILDING INSPECTOR
CITY ENGINEER
COMMISSIONER OF PUBLIC WORKS




## BIKE RACK DETAIL
NOT TO SCALE

## WORK ZONE TRAFFIC CONTROL NOTES

1. GENERAL
THE CONTRACTOR SHALL MAINTAIN TRAFFIC THROUGHOUT THE LENGTH OF THE CONTRACT IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 619 OF THE STANDARD SPECIFICATIONS, MUTCD AND THE MAINTENANCE AND PROTECTION OF TRAFFIC (MPT) DETAILS IN THE PLANS AND PROPOSAL, WHERE PROVIDED.

2. WORK ZONES
TRAFFIC SHALL BE MAINTAINED AND PROTECTED THROUGH WORK ZONES IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, TOGETHER WITH ANY ADDITIONAL CONTROL DEVICES OR METHODS A.O.B.E.

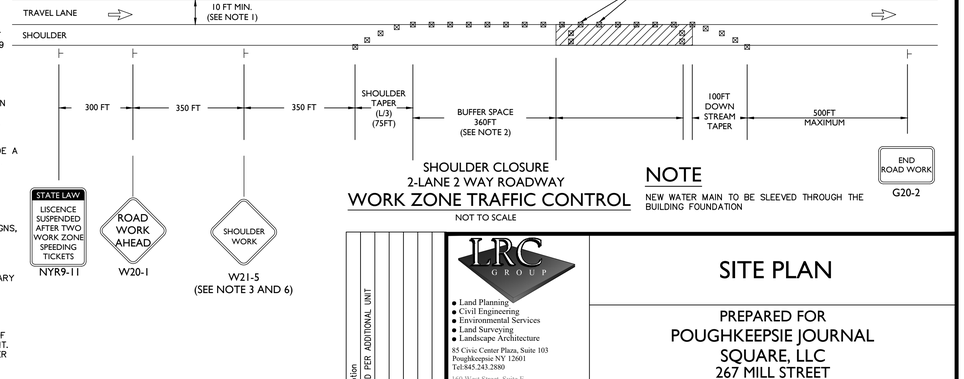
3. CONES, DRUMS, BARRICADES AND MARKERS
ALL CONES, DRUMS AND MARKERS ARE TO BE PLACED SO AS TO PROVIDE A MINIMUM 2' CLEARANCE TO THE TRAVELED WAY. THE CONTRACTOR SHALL MAKE CERTAIN PLACEMENT OF THE CONES, DRUMS, AND MARKERS OR BARRICADES SHALL NOT INTERFERE WITH SIGHT DISTANCE.

4. PRELIMINARY WORK
PRIOR TO THE START OF ANY CONSTRUCTION PHASE, ALL PROPOSED MAINTENANCE AND PROTECTION OF TRAFFIC RELATED WORK FOR THAT PHASE SHALL BE COMPLETE. THIS INCLUDES: WHERE APPLICABLE, ALL SIGNS, SIGNALS, PAVEMENT MARKINGS, BARRIERS, DELINEATION (CONES, DRUMS, ETC.) PAVEMENT MODIFICATION AND ANY OTHER RELATED WORK.

5. PUBLIC INGRESS AND EGRESS
WHERE DIRECT ACCESS TO DRIVEWAYS IS NOT POSSIBLE DUE TO NECESSARY CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL PLAN ALTERNATE MEANS OF ACCESS. THIS WORK INCLUDED IN THE BID PRICE FOR MAINTENANCE AND PROTECTION OF TRAFFIC.

6. CONSTRUCTION INGRESS AND EGRESS
THE CONTRACTOR SHALL KEEP TO A MINIMUM MOVEMENTS IN AND OUT OF DESIGNATED TRAVEL LANES WITH CONSTRUCTION VEHICLES AND EQUIPMENT. ONLY NECESSARY OR AUTHORIZED VEHICLES SHALL BE ALLOWED TO ENTER ANY PHASE WORK AREA.

6. SIGNS
THE CORRECT SEQUENCE AND PACING OF SIGNS, WHETHER PERMANENT, TEMPORARY OR CONSTRUCTION, MUST BE MAINTAINED AT ALL TIMES IN ACCORDANCE WITH THE MUTCD. ALL SIGNS INCLUDING GUIDE SIGNS, SHALL INDICATE ACTUAL CONDITIONS AT ALL TIMES. APPROPRIATE WARNING SIGNS IN ACCORDANCE WITH THE MUTCD. THE CONTRACTOR SHALL COORDINATE HIS WORK SO THAT A SMOOTH FLOW OF TRAFFIC IS MAINTAINED BETWEEN WORK AREAS.




## SHOULDER CLOSURE 2-LANE 2 WAY ROADWAY WORK ZONE TRAFFIC CONTROL
NOT TO SCALE

## NOTE
NEW WATER MAIN TO BE SLEEVED THROUGH THE BUILDING FOUNDATION

| Revisions | | |
|---|---|---|
| Description | Date | |
| REVISED PER ADDITIONAL UNIT | 2021-09-14 | 1 |

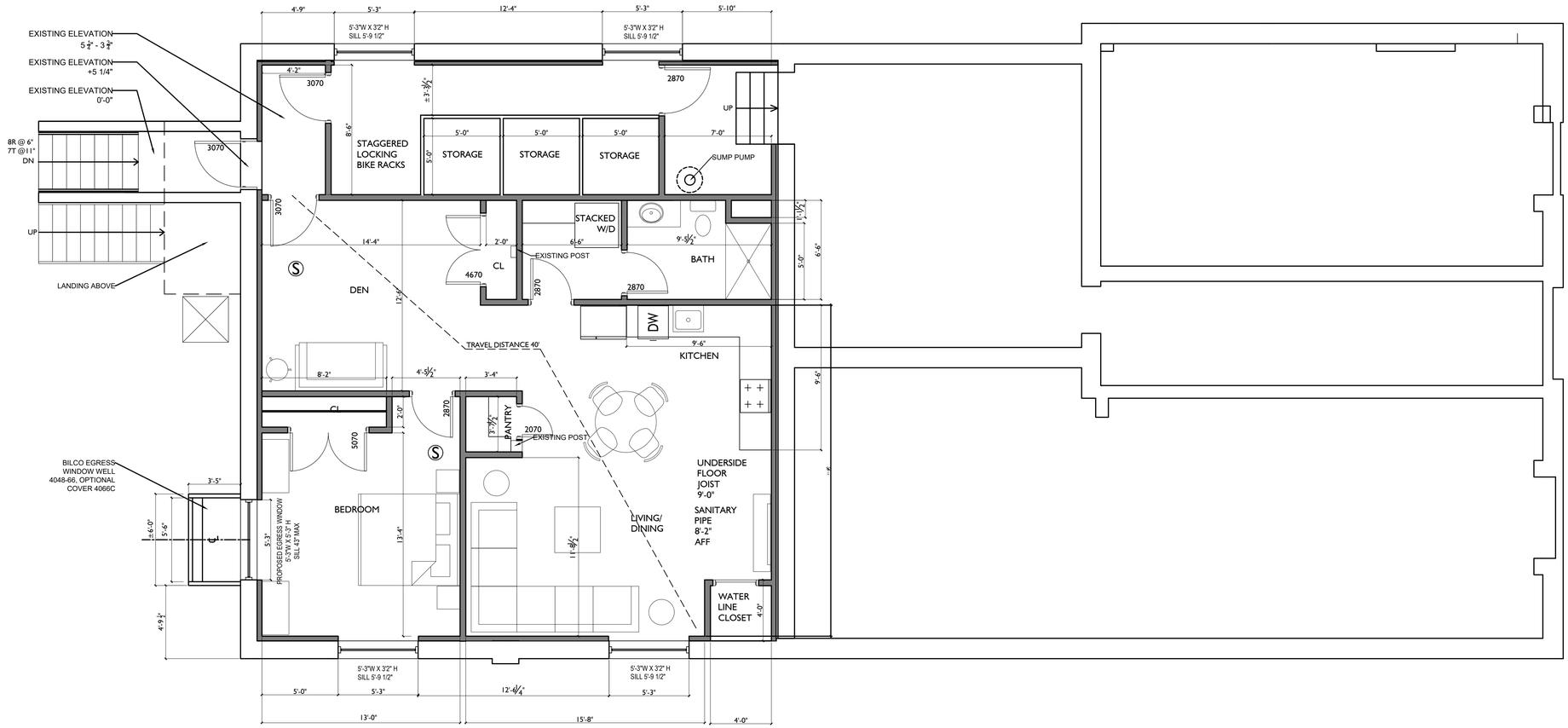
LRC GROUP
• Land Planning
• Civil Engineering
• Environmental Services
• Land Surveying
• Landscape Architecture
85 Civic Center Plaza, Suite 103
Poughkeepsie NY 12601
Tel:845.243.2880
160 West Street, Suite E
Cromwell, CT 06416
Tel:860.635.2877
1 International Blvd, Suite 400
Mahwah, NJ 07495
Tel:908.603.5730
www.lrcconsult.com
LRC Engineering & Surveying, DPC
LRC Engineering and Surveying, LLC
LRC Environmental Services, Inc.
Land Resource Consultants, Inc.

# SITE PLAN

PREPARED FOR
POUGHKEEPSIE JOURNAL SQUARE, LLC
267 MILL STREET
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NEW YORK

| | | | | | |
|---|---|---|---|---|---|
| Design/Calcs | BS | CAD File | SP-19-2426018.dwg | Sheet No. | SP-1 |
| Drawn | BS/FJM | Project No. | 19-2426 | | |
| Checked | JFW | Date | | | |
| Approved | JFW | Scale | NOTED | | |

X:\JOBS\Jobs 2019\19-2426-Page Park 47-49 Civic Center\DWG\267-MILL\SP-19-2426018.dwg 9/14/2021 4:21 PM SCurran




NOTES

| No. | REVISION/SUBMISSION | DATE |
|---|---|---|
| 4 | ADDED BASEMENT APARTMENT AND STORAGE | 9/21/21 |
| 3 | REVISED TO ADD LAUNDRY IN EACH UNIT | 6/15/21 |
| 2 | REVISED PER INTERIOR DESIGNER CHANGES | 6/11/21 |
| 1 | ADDED ENERGY CODE INFORMATION | 5/24/21 |


Liscum McCormack VanVoorhis LLP
ARCHITECTURE PLANNING INTERIORS
181 CHURCH STREET
POUGHKEEPSIE, NEW YORK 12601
PHONE 845-452-2268 FAX 845-452-3752


PROJECT
PAGE PARK ASSOCIATES
267 MILL STREET - MULTIFAMILY
POUGHKEEPSIE, NEW YORK 12601

DRAWING
BASEMENT FLOOR PLAN

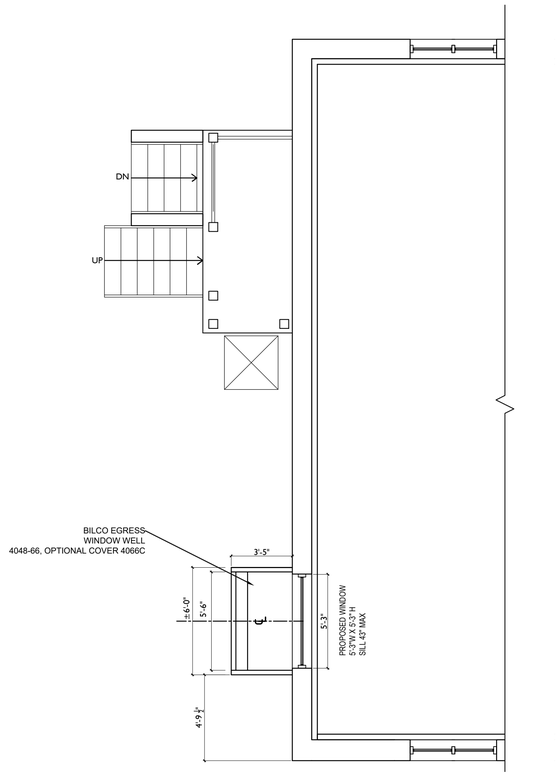
SEAL

| DRAWN BY | PROJECT NUMBER |
|---|---|
| HM/KR | 20057 |
| CHECKED BY | DATE |
| KR | 3-23-21 |

DRAWING NUMBER
A104

FILE P:\2000\JOB # - JOB NAME\

| A-1 | BASEMENT FLOOR PLAN |
|---|---|
| 1/4"=1'-0" | |




BILCO EGRESS WINDOW WELL LOCATION



Language: English [ ] | Login Register Shopping Cart (0)

Bilco an Amesbury Truth company

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Products > RESIDENTIAL > Egress Window Wells > Window Wells > ScapeWEL® Window Wells-Planter Design

ScapeWEL® Window Wells-Planter Design



Adds natural daylight and meets building code requirements for emergency egress in finished basement areas. Innovative step design aids egress and can be landscaped with plants or flowers for added visual enhancement. ScapeWEL features maintenance free high-density polyethylene construction and is available in a number of sizes to accommodate virtually any foundation height or window dimension.

Description Videos Sales Contact Documents Education Accessory Products

ScapeWEL® Emergency Egress Window Wells

Standard Features and Benefits

- Safe... Terraced step design allows occupants to escape quickly and easily from lower level living areas in the event of an emergency.
- Inviting... Allows natural daylight and ventilation into lower-level living areas. Step design can be used as a planter for added visual enhancement.
- Durable... Constructed of maintenance-free materials that will never rust, rot, or need replacing.
- Versatile... Mounding flanges are designed for attachment to a standard window buck or directly to the foundation wall.
- Economical... Component system simply snaps together on site for fast and cost effective installation. Open system drains directly into the perimeter drain.
- Code-Compliant... Satisfies IRC 2018 Building code requirements for emergency egress in finished basement areas.

U.S. Patents 4,876,833 5,107,640 5,657,587




Bilco an Amesbury Truth company

## Selecting the Proper Size ScapeWEL® Egress Window Well

**STEP 1:**

Measure and calculate dimension A as shown in the detail on the right based on the site's grade conditions and foundation height.

**STEP 2:**

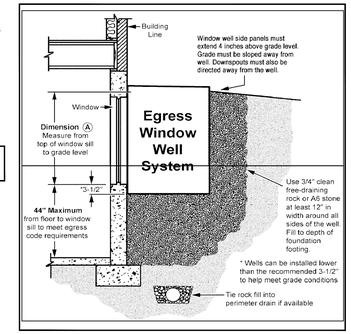
Determine the required window well side panel height by performing this simple calculation:

Required Side Panel Height = Dimension A + 7-1/2"

From the first column in the table below, select the closest side panel height that will meet the site conditions.

**STEP 3:**

Once the side panel height has been determined, read across and select desired window width. With the window size selected, read across to select the proper window well and cover.




### ScapeWEL® STANDARD SIZES AND MODEL NUMBERS

| Well Model Number | Number of Tiers (steps) | Inside Width | Projection from Foundation | Side Panel Height | | | Maximum Window Width | | Optional Dome Cover |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Standard | With Extension* | | | | |
| | | | | | Height | Model Number | Wall Mount | Buck Mount | |
| 4048-42 | 2 | 42" | 41" | 48" | X | X | 42" | 38" | 4042C |
| 4048-54 | 2 | 54" | 41" | 48" | X | X | 54" | 50" | 4054C |
| 4048-66 | 2 | 66" | 41" | 48" | X | X | 66" | 62" | 4066C |
| 4862-42 | 3 | 42" | 49" | 62" | 81" | 3019-42 | 42" | 38" | 4842C |
| 4862-54 | 3 | 54" | 49" | 62" | 81" | 3019-54 | 54" | 50" | 4854C |
| 4862-66 | 3 | 66" | 49" | 62" | 81" | 3019-66 | 66" | 62" | 4866C |

*Extensions are only available for 3-tier window well models
Note: The distance from the outside of the foundation wall to the inside face of the first step is 30"

BILCO Egress Window Wells satisfy International Building Code requirements for Emergency Escape and Rescue Openings per section R310.

NOTES

| No. | REVISION/SUBMISSION | DATE |
|---|---|---|
| 3 | REVISED TO ADD LAUNDRY IN EACH UNIT | 6/15/21 |
| 2 | REVISED PER INTERIOR DESIGNER CHANGES | 6/11/21 |
| 1 | ADDED ENERGY CODE INFORMATION | 5/24/21 |

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PROJECT
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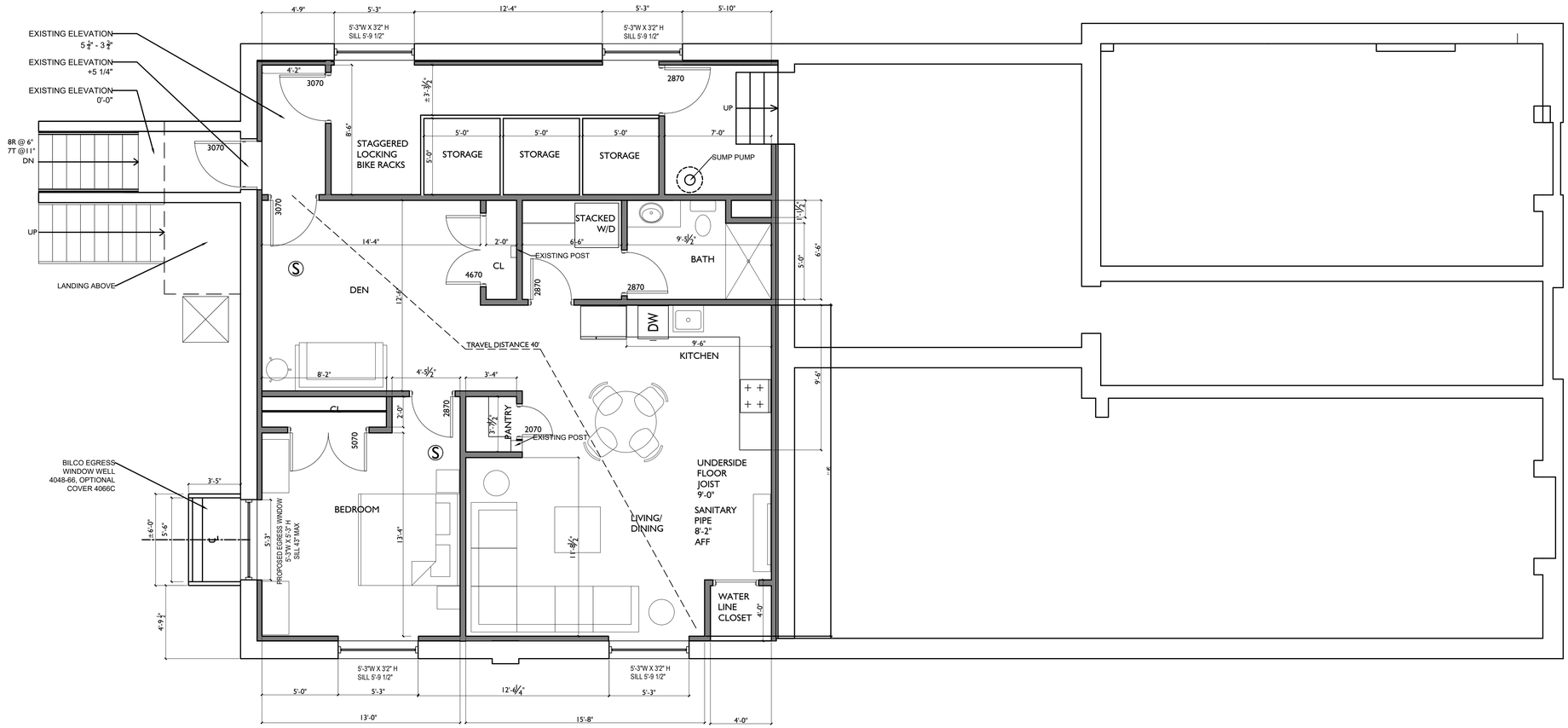
DRAWING
ANSI STANDARDS

SEAL

| DRAWN BY | PROJECT NUMBER |
|---|---|
| HM/KR | 20057 |
| CHECKED BY | DATE |
| KR | 3-23-21 |

DRAWING NUMBER
A801

FILE P:\2000\JOB # - JOB NAME\




NOTES

| No. | REVISION/SUBMISSION | DATE |
|---|---|---|
| 4 | ADDED BASEMENT APARTMENT AND STORAGE | 9/21/21 |
| 3 | REVISED TO ADD LAUNDRY IN EACH UNIT | 6/15/21 |
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PAGE PARK ASSOCIATES
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DRAWING
BASEMENT FLOOR PLAN

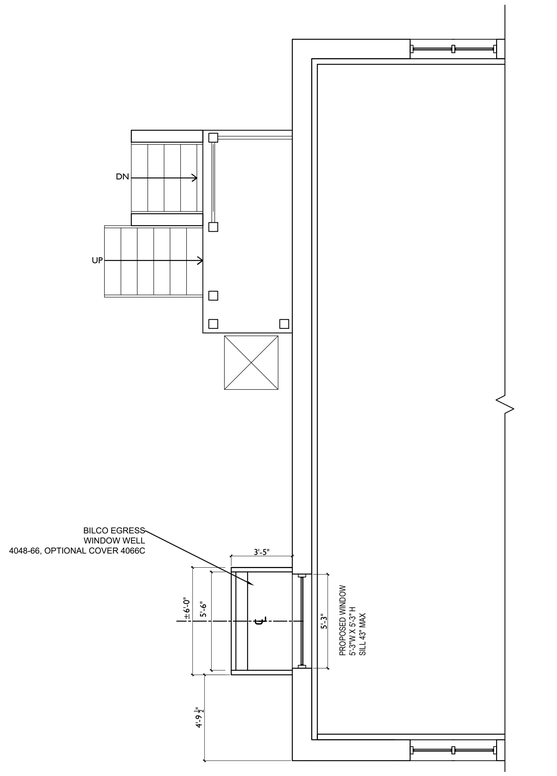
SEAL

| DRAWN BY | PROJECT NUMBER |
|---|---|
| HM/KR | 20057 |
| CHECKED BY | DATE |
| KR | 3-23-21 |

DRAWING NUMBER
A104

FILE P:\2000\JOB # - JOB NAME\

| A-1 | BASEMENT FLOOR PLAN |
|---|---|
| 1/4"=1'-0" | |




BILCO EGRESS WINDOW WELL LOCATION

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ScapeWEL® Window Wells-Planter Design



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Description Videos Sales Contact Documents Education Accessory Products

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- Durable... Constructed of maintenance-free materials that will never rust, rot, or need replacing.
- Versatile... Mounding flanges are designed for attachment to a standard window buck or directly to the foundation wall.
- Economical... Component system simply snaps together on site for fast and cost effective installation. Open system drains directly into the perimeter drain.
- Code-Compliant... Satisfies IRC 2018 Building code requirements for emergency egress in finished basement areas.

U.S. Patents 4,876,833 5,107,640 5,657,587



2-Tier Model

BILCO

an Amesbury Truth company

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**STEP 2:**

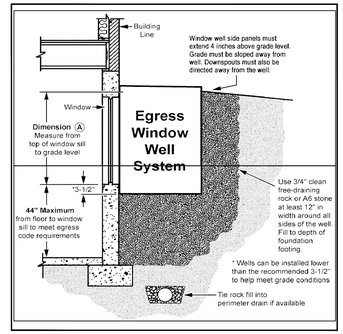
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| 4048-54 | 2 | 54" | 41" | 48" | X | X | 54" | 50" | 4054C |
| 4048-66 | 2 | 66" | 41" | 48" | X | X | 66" | 62" | 4066C |
| 4862-42 | 3 | 42" | 49" | 62" | 81" | 3019-42 | 42" | 38" | 4842C |
| 4862-54 | 3 | 54" | 49" | 62" | 81" | 3019-54 | 54" | 50" | 4854C |
| 4862-66 | 3 | 66" | 49" | 62" | 81" | 3019-66 | 66" | 62" | 4866C |

*Extensions are only available for 3-tier window well models
Note: The distance from the outside of the foundation wall to the inside face of the first step is 30"

BILCO Egress Window Wells satisfy International Building Code requirements for Emergency Escape and Rescue Openings per section R310.

NOTES

| No. | REVISION/SUBMISSION | DATE |
|---|---|---|
| 3 | REVISED TO ADD LAUNDRY IN EACH UNIT | 6/15/21 |
| 2 | REVISED PER INTERIOR DESIGNER CHANGES | 6/11/21 |
| 1 | ADDED ENERGY CODE INFORMATION | 5/24/21 |

Liscum McCormack VanVoorhis LLP
ARCHITECTURE PLANNING INTERIORS
181 CHURCH STREET
POUGHKEEPSIE, NEW YORK 12601
PHONE 845-452-2268 FAX 845-452-3752

PROJECT
PAGE PARK ASSOCIATES
267 MILL STREET - MULTIFAMILY
POUGHKEEPSIE, NEW YORK 12601

DRAWING
ANSI STANDARDS

SEAL

| DRAWN BY | PROJECT NUMBER |
|---|---|
| HM/KR | 20057 |
| CHECKED BY | DATE |
| KR | 3-23-21 |

DRAWING NUMBER
A801

FILE P:\2000\JOB # - JOB NAME\

# *Short Environmental Assessment Form*
## *Part 1 - Project Information*

**Instructions for Completing**

**Part 1 – Project Information. The applicant or project sponsor is responsible for the completion of Part 1.** Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification. Complete Part 1 based on information currently available. If additional research or investigation would be needed to fully respond to any item, please answer as thoroughly as possible based on current information.

Complete all items in Part 1. You may also provide any additional information which you believe will be needed by or useful to the lead agency; attach additional pages as necessary to supplement any item.

**Part 1 – Project and Sponsor Information**

Name of Action or Project:
267 Mill Street Lofts

Project Location (describe, and attach a location map):
267 Mill Street

Brief Description of Proposed Action:
Conversion of the existing building into seven (7) multi family units including two (2) live work units.

| Name of Applicant or Sponsor: | Telephone: 845.571.0919 |
|---|---|
| Page Park Associates | E-Mail: kelly@pageparkassociates.com |

Address:
PO Box 792

| City/PO: | State: | Zip Code: |
|---|---|---|
| Poughkeepsie | NY | 12602 |

| | NO | YES |
|---|---|---|
| 1. Does the proposed action only involve the legislative adoption of a plan, local law, ordinance, administrative rule, or regulation? If Yes, attach a narrative description of the intent of the proposed action and the environmental resources that may be affected in the municipality and proceed to Part 2. If no, continue to question 2. | ☑ | ☐ |
| 2. Does the proposed action require a permit, approval or funding from any other government Agency? If Yes, list agency(s) name and permit or approval: | ☑ | ☐ |

3. a. Total acreage of the site of the proposed action? 0.25 acres
   b. Total acreage to be physically disturbed? 0 acres
   c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? 3.85 acres

4. Check all land uses that occur on, are adjoining or near the proposed action:
   ☑ Urban ☐ Rural (non-agriculture) ☐ Industrial ☑ Commercial ☑ Residential (suburban)
   ☐ Forest ☐ Agriculture ☐ Aquatic ☐ Other(Specify):
   ☐ Parkland

| | NO | YES | N/A |
|---|---|---|---|
| 5. Is the proposed action, | | | |
| a. A permitted use under the zoning regulations? | ☐ | ☑ | ☐ |
| b. Consistent with the adopted comprehensive plan? | ☐ | ☑ | ☐ |

| | NO | YES |
|---|---|---|
| 6. Is the proposed action consistent with the predominant character of the existing built or natural landscape? | ☐ | ☑ |

| | NO | YES |
|---|---|---|
| 7. Is the site of the proposed action located in, or does it adjoin, a state listed Critical Environmental Area? | | |
| If Yes, identify: _____ | ☑ | ☐ |

| | NO | YES |
|---|---|---|
| 8. a. Will the proposed action result in a substantial increase in traffic above present levels? | ☑ | ☐ |
| b. Are public transportation services available at or near the site of the proposed action? | ☐ | ☑ |
| c. Are any pedestrian accommodations or bicycle routes available on or near the site of the proposed action? | ☐ | ☑ |

| | NO | YES |
|---|---|---|
| 9. Does the proposed action meet or exceed the state energy code requirements? | | |
| If the proposed action will exceed requirements, describe design features and technologies: _____ _____ | ☐ | ☑ |

| | NO | YES |
|---|---|---|
| 10. Will the proposed action connect to an existing public/private water supply? | | |
| If No, describe method for providing potable water: _____ _____ | ☐ | ☑ |

| | NO | YES |
|---|---|---|
| 11. Will the proposed action connect to existing wastewater utilities? | | |
| If No, describe method for providing wastewater treatment: _____ _____ | ☐ | ☑ |

| | NO | YES |
|---|---|---|
| 12. a. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district which is listed on the National or State Register of Historic Places, or that has been determined by the Commissioner of the NYS Office of Parks, Recreation and Historic Preservation to be eligible for listing on the State Register of Historic Places? | ☐ | ☑ |
| b. Is the project site, or any portion of it, located in or adjacent to an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory? | ☐ | ☑ |

| | NO | YES |
|---|---|---|
| 13. a. Does any portion of the site of the proposed action, or lands adjoining the proposed action, contain wetlands or other waterbodies regulated by a federal, state or local agency? | ☑ | ☐ |
| b. Would the proposed action physically alter, or encroach into, any existing wetland or waterbody? | ☐ | ☐ |
| If Yes, identify the wetland or waterbody and extent of alterations in square feet or acres: _____ _____ | | |

14. Identify the typical habitat types that occur on, or are likely to be found on the project site. Check all that apply:

☐ Shoreline ☐ Forest ☐ Agricultural/grasslands ☐ Early mid-successional

☐ Wetland ☐ Urban ☐ Suburban

| | NO | YES |
|---|---|---|
| 15. Does the site of the proposed action contain any species of animal, or associated habitats, listed by the State or Federal government as threatened or endangered? | ☑ | ☐ |
| 16. Is the project site located in the 100-year flood plan? | ☑ | ☐ |
| 17. Will the proposed action create storm water discharge, either from point or non-point sources? | ☑ | ☐ |
| If Yes, | | |
| a. Will storm water discharges flow to adjacent properties? | ☐ | ☐ |
| b. Will storm water discharges be directed to established conveyance systems (runoff and storm drains)? | ☐ | ☐ |
| If Yes, briefly describe: _____ | | |
| 18. Does the proposed action include construction or other activities that would result in the impoundment of water or other liquids (e.g., retention pond, waste lagoon, dam)? | ☑ | ☐ |
| If Yes, explain the purpose and size of the impoundment: _____ | | |
| 19. Has the site of the proposed action or an adjoining property been the location of an active or closed solid waste management facility? | ☑ | ☐ |
| If Yes, describe: _____ | | |
| 20. Has the site of the proposed action or an adjoining property been the subject of remediation (ongoing or completed) for hazardous waste? | ☑ | ☐ |
| If Yes, describe: _____ | | |

**I CERTIFY THAT THE INFORMATION PROVIDED ABOVE IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE**

Applicant/sponsor/name: Kelly Libolt Date: 10.05.20

Signature: KLibolt Title: Project Manager

PRINT FORM

APPLICATION TO THE PLANNING BOARD
CITY OF POUGHKEEPSIE, NEW YORK

# Application for Site Plan, Special Permit & Facade Approval

OFFICE USE ONLY

CODE: PLSF

ID #_____

FEE: _____
Total, from:
$500, plus
$_____
($150 per 1000 square feet of floor area), plus
$_____
($35 per number of required parking spaces), plus
$_____
($500 for special permit, if applicable)

**I. PROPERTY ADDRESS:** 27 High Street (6162-62-192294/180291)

**II. PROPERTY OWNER:** 27 High Street Lofts LLC
**ADDRESS:** PO Box 792
Poughkeepsie
NY 12602 (state and zip code)
**PHONE NUMBER**: 845.471.0191 (include area code)

**III. NAME OF APPLICANT**: Same as Owner
**ADDRESS:** _____
_____
_____ (state and zip code)
**PHONE NUMBER**: _____ (include area code)
**EMAIL ADDRESS:** kelly@pageparkassociates.com

(If applicant is NOT the owner, proof of owner's consent to the application MUST be provided.)

**IV. CONSULTANT**: LRC Group
**ADDRESS:** 85 Civic Center Plaza
Suite 103
Poughkeepsie NY 12601 (state and zip code)
**PHONE NUMBER**: 845.243.2880 (include area code)

**V. PROPOSED USE or FAÇADE CHANGE** (Summarize proposed use or uses): Renovation of existing building for multi family units and construction of a new (nearly identical) building for multi-family resident

**VI. ZONING DISTRICT**: R-4

***(Proceed to XVII for special permit & façade approval only)***

## PROJECT INFORMATION

New construction: X (yes)_____ (no)

Change of use: X (yes) _____ (no)

Expansion/addition: X (yes) _____ (no)

Alteration: X (yes) _____ (no)

Cost of Construction: $5 M

**LOT AND BULK INFORMATION**:

Lot area: 1.23 (acres) _____ (square feet)

Building Footprint: 10,260 (proposed square feet for new construction)

11,429 (existing square feet for change of use/expansion)

_____ (additional proposed square feet for expansion)

21,689 (total building footprint, square feet)

Lot Coverage: 37.6% (percentage, building coverage only)

Gross Floor Area: 41,040 (+/-) (proposed square feet for new construction)

36,000 (+/-) (existing square feet for change of use/expansion)

_____ (additional proposed square feet for expansion)

77,040 (total gross floor area, square feet)

Building Height: 4 & 5 (stories) _____ (feet)

Floor Area Ratio: 1.48 (ratio of gross floor area divided by lot area)

## VIII. PROJECT PARKING INFORMATION

A) Number of Off-Street Parking Spaces required: 96 spaces

B) Number of Off-Street Parking Spaces provided: 97 spaces

C) Waiver Requested: X (Yes) _____ (No)

Is municipal parking available within 600 feet? _____ (Yes) X (No)

*(4 - live work (1 bedroom) / 25 one-bedroom / 42 two-bedroom)

If yes, name all such municipal facilities: _____

_____

_____

(If a waiver is requested based on proximity to municipal facilities, a written request for such waiver, addressed to the City Planning Staff and the Chairman of the Planning Board, must be submitted with the application.)

If a private parking facility is to be utilized, is such facility within 600 feet?

_____ (Yes) _____ (No)

If yes, provide the address of the facility, name of the property owner, number of spaces in the lot, number of spaces available for lease, and length of lease. Attach copy of lease. Additional information may be required by the Planning Board): _____

_____

_____

_____

## IX. RESIDENTIAL PROPOSALS

A) Type of Development: Multiple Family
(Townhouse, condominium, multiple residence rental, etc.)

B) Unit Breakdown:

Number of efficiency or "studio" units: 4-Live Work Units (units are 1 bed)

Number of one (1) bedroom units: 21

Number of two (2) bedroom unit's 42

Number with three or more bedrooms: _____

Total number of units: 67

C) Is funding public? ____ Yes X No
If yes, describe funding source: _____

## X. OFFICE PROPOSALS (____ Medical/Dental ____ Professional ____ Business)

A) Number of Employees: _____
B) Number of doctors/dentists/medical practitioners: _____
C) Days/Hours of Operation: _____

**XI. SERVICE BUSINESS PROPOSALS**

A) Specify Business: _____
(e.g., laundromat, drycleaner, beauty parlor, travel agency, banks)

B) Number of Employees: _____

C) Number of Washing Machines (for laundromat): _____

D) Days/Hours of Operation: _____

**XII. MERCANTILE PROPOSALS** (Retail _____ Wholesale _____)

A) Type of Mercantile (specify): _____

B) Number of Employees: _____

C) Days/Hours of Operation: _____

**XIII. STANDARD RESTAURANT/FAST FOOD RESTAURANT/COFFEE SHOP/DONUT SHOP/NIGHTCLUB/DISCOTHEQUE/BAR PROPOSALS**

A) Specify Use: _____

B) Number of seats (excluding bar stools and outdoor seating):_____

C) Meals served (i.e., breakfast, lunch, dinner): _____

D) Type of Menu: _____

E) Days/Hours of Operation: _____

F) Entertainment (live and/or recorded):_____

G) Will the restaurant contain a bar/lounge?: _____ Yes _____ No

H) If yes, how many seats at the bar? _____

I) Is a drive-through window proposed? _____

J) Is a walk-up window proposed? _____

K) Is an outdoor seating area proposed? _____

L) If yes, how many seats are proposed? _____

M) If yes, is outdoor cooking proposed? _____

**XIV. INDUSTRIAL/COMMERCIAL PROPOSALS** (Automobile repair, taxi, motor vehicle sales, warehouse, manufacturing, animal hospital, research facilities, etc.)

A) Specify Use: _____

B) Number of shifts (if any): _____

C) Number of employees: _____
(If shifts are proposed, list number of employees per shift)

E) Number of work bays (if automobile repair): _____

F) Days/Hours of operation: _____

**XV. EDUCATIONAL/INSTITUTIONAL/RECREATIONAL PROPOSALS** (e.g., Museums, Theatres, Conference Centers, Hotels, Motels, Hospitals, Nursing Homes, Assisted Living Facilities, Nursery Schools, Private Schools, Day Care Centers, Places of Worship, Marinas, Membership Clubs, etc.)

A) Specify: _____

B) Number of shifts (if any): _____

C) Number of employees: _____
(If shifts are proposed, list number of employees per shift)

D) Number of beds (hospitals, nursing homes, etc): _____

E) Number of seats in largest assembly space: _____

F) Number of classrooms (schools): _____

G) Number of rental units (hotels, motels, etc.) _____

H) Number of boat slips/courts (e.g., tennis, handball, etc.), alleys: _____

I) Days/Hours of Operation: _____

**XVI. PROPOSALS NOT MENTIONED ABOVE** (Please be specific):

_____

_____

_____

_____

_____

**XVII. APPLICANT CERTIFICATION**

I, Kelly Libolt _____, certify that the this application has addressed the objectives outlined in the Zoning Ordinance with consideration given to the public health, safety and welfare; the comfort and convenience of the public in general or the residents or users of the proposed development and of the immediate neighborhood.

The applicant certifies that all information contained herein is accurate and complete as of the date of this application.

KLibolt

_____ amended 03.22.21 _____

Signature of Applicant Date

**Page Park Associates, LLC**

The Poughkeepsie Journal Building
85 Civic Center Plaza
P.O. Box 792
Poughkeepsie, NY 12602

**Tel:** 845.471.0191
**Fax:** 845.471.0169

**web:** www.pageparkassociates.com

A PROPERTY BUSINESS

September 28, 2021

Ms. Natalie Quinn
City of Poughkeepsie Planning Administrator
62 Civic Center Plaza
Poughkeepsie, NY 12601]

Ms. Judith Knauss
City of Poughkeepsie Zoning Administrator
62 Civic Center Plaza
Poughkeepsie, NY 12601

**Re: 27 High Street**
**Submission to Planning Board**

Dear Ms. Quinn & Ms. Knauss:

Attached find the following amended documents for your review:

1. Amended Site Plans prepared by LRC dated September 28, 2021.

2. SWPPP prepared by LRC dated August 31, 2021.

The following are responses to comments prepared by **The City of Poughkeepsie Department of Public Works and Engineering dated August 10, 2021**:

1. *Submit SWPPP for review. Provided documents indicate 0.97 Ac. of disturbance. Utilizing ACAD, estimates suggest approximately 1.15 Ac. of disturbance. Validate post development runoff shall not exceed pre-development. Clearly indicate and validate proposed area of disturbance.*

   **Response**: A SWPPP has been provided along with this letter.

**Page Park Associates, LLC**

The Poughkeepsie Journal Building
85 Civic Center Plaza
P.O. Box 792
Poughkeepsie, NY 12602

**Tel:** 845.471.0191
**Fax:** 845.471.0169

**web:** www.pageparkassociates.com

A PROPERTY BUSINESS

2. *Design professional/ developer required to meet with City Fire Department to establish domestic and fire suppression water needs. Developer to demonstrate what is being requested is achieved. This may require new installation of watermains in the vicinity.*

   **Response**: The Applicant has met with the City Fire Department. At this time, we are retaining a MEP to determine the specific water needs. Once received, we will meet with City Engineering and City Fire to ensure that the correct water service is provided.

3. *Show existing water and sanitary sewer connection(s) from building to main.*

   **Response**: The existing water connection has been added to the plans. The existing sanitary sewer connection is still being investigated with building plans and as-built plans. At this time, the existing connection has not been found. The former owner is being contacted to determine the location.

4. *Developer to investigate condition of existing sanitary sewer directly downstream of proposed development. This may require rehabilitation of portions of the existing sanitary sewer main.*

   **Response**: Comment noted. We will schedule a meeting with City DPW to coordinate this investigation.

5. *Site Plan indicates Mueller Hydrant. Provide and indicate on Site Plan City Standard Hydrant - American Darling B-62-B.*

   **Response**: As requested the fire hydrant has been changed to an American Darling.

6. *Indicate and show on Site Plan water tapping sleeve and valve and redundant valve on back side of the curb. Both valves to be Red Top, Right Open.*

   **Response**: The affected areas of sidewalk and curbing replacement has been identified on the site plan.

**Page Park Associates, LLC**

The Poughkeepsie Journal Building
85 Civic Center Plaza
P.O. Box 792
Poughkeepsie, NY 12602

**Tel:** 845.471.0191
**Fax:** 845.471.0169

**web:** www.pageparkassociates.com

A PROPERTY BUSINESS

7. *Provide, show and indicate on Site Plan City Standard 6" Concrete Curb, Driveway/ ADA Ramps detail.*

   **Response**: As requested the city details related to the work in the ROW have been added to the detail sheets DN-2 and DN-3.

8. *Proposed area drain at East side of site at Elm Place is shown within City ROW.*

   **Response**: The yard drain has been replaced with a catch basin and has been put in Elm Place instead of in the shoulder.

9. *Storm drain at the entrance to the under building parking facility should be reconfigured to more effectively capture stormwater based on contours/ curb line.*

   **Response**: Any of the water flowing down the south side of Zimmer Avenue will enter into the proposed catch basin. The proposed catch basin will also capture any of the water that is not caught in the two catch basins under the building. The proposed catch basin has been moved to the edge of the driveway to capture more water.

10. *Indicate and show how stormwater flow will be addressed at the on street parking along curb alignment on Croyden Court.*

    **Response**: The grading has been designed to pitch the water towards the gutter line. The water will then flow down towards Zimmer Avenue and enter into the system at the intersection of Zimmer Avenue and Elm Place.

11. *Applicant should be made aware that below street level patios/ stairs may be susceptible to street snow during City street clearing process.*

    **Response**: Comment noted.

12. *Provide an estimate of costs for site work.*

    **Response**: A cost estimate will be provided in the future.

**Page Park Associates, LLC**

The Poughkeepsie Journal Building
85 Civic Center Plaza
P.O. Box 792
Poughkeepsie, NY 12602

**Tel:** 845.471.0191
**Fax:** 845.471.0169

**web:** www.pageparkassociates.com

A PROPERTY BUSINESS

The following are responses to comments received at the **City of Poughkeepsie Public Hearing held August 17, 2021**:

1. *Joanne Decker – the road is too narrow, where will everyone park?*

   **Response:** Adequate parking for the use has been provided on properties owned by the Applicant.

2. *Joanne Decker – where will all the snow be stored?*

   **Response**: Snow storage locations have been added to the revised plans.

Thank you in advance for your assistance with this matter.

Sincerely,

Kelly Libolt

# SITE PLAN SUBMISSION SET

FOR

# RESIDENTIAL DEVELOPMENT

## 27 HIGH STREET

## CITY OF POUGHKEEPSIE, DUTCHESS COUNTY, NEW YORK

TAX MAP ID'S# 6162-62-192294 & 6162-62-180291

ORIGINALLY SUBMITTED: APRIL 2, 2021
REVISED: JUNE 4, 2021
REVISED: SEPTEMBER 28, 2021



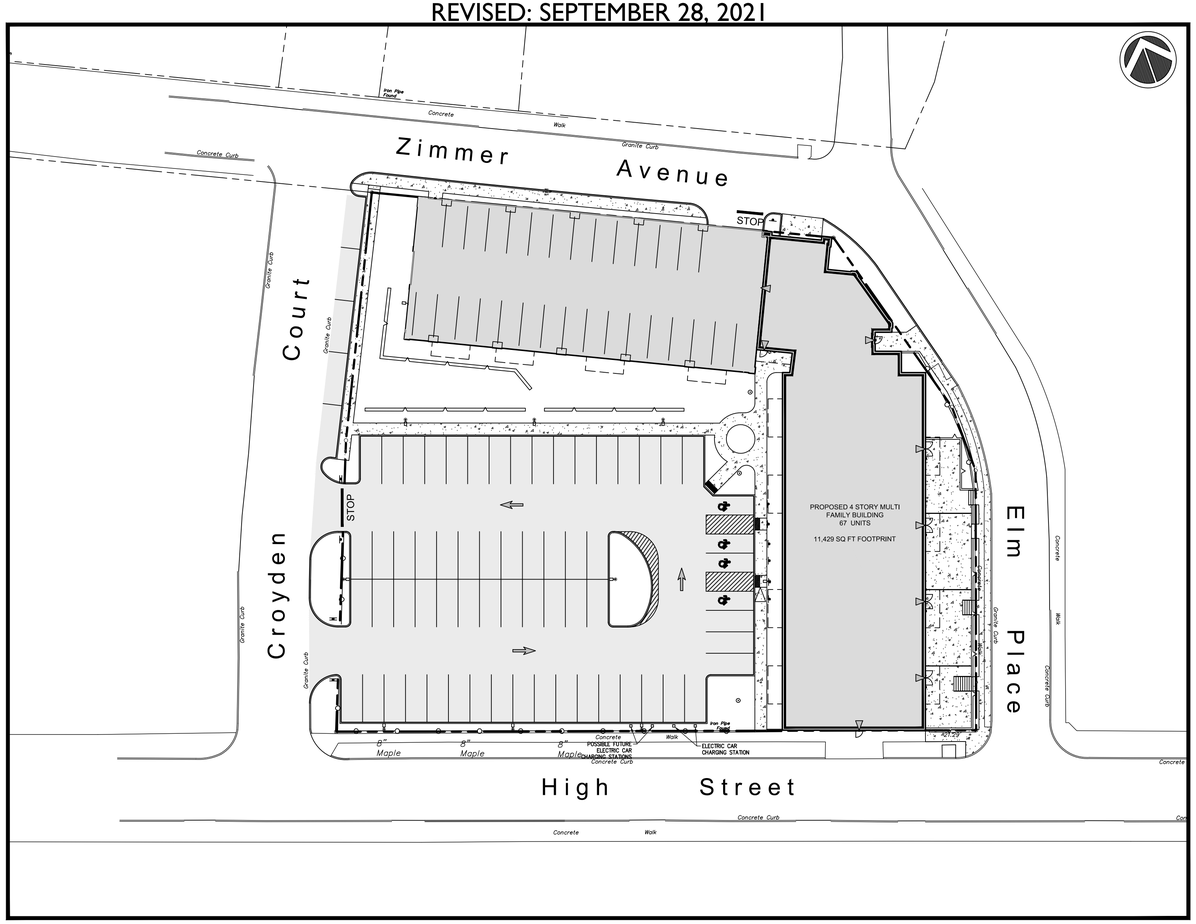

VICINITY MAP

SCALE: 1"=200'




LOCATION MAP

SCALE: 1"=500'




OVERALL SITE PLAN

SCALE: 1"=30'

## SITE PLANNER / CIVIL ENGINEER:


LRC GROUP

85 Civic Center Plaza, Suite 103
Poughkeepsie NY 12601
Tel:845.243.2880

160 West Street, Suite E
Cromwell, CT 06416
Tel:860.635.2877

1 International Blvd, Suite 400
Mahwah, NJ 07495
Tel:908.603.5730

www.lrcconsult.com


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LRC Engineering & Surveying, DPC
LRC Engineering and Surveying, LLC
LRC Environmental Services, Inc.
Land Resource Consultants, Inc.

STATE OF NEW YORK · RODNEY E. MORRISON · 074194 · LICENSED PROFESSIONAL ENGINEER

Rodney Morrison P.E. #074194

## ARCHITECT:


QPK DESIGN LLP
ARCHITECTURE
ENGINEERING
SITE & PLANNING


## OWNER / APPLICANT:

27 HIGH STREET LOFTS, LLC
PO BOX 792
POUGHKEEPSIE, NY 12601

## INDEX OF DRAWINGS


CV-1 COVER SHEET
EX-1 EXISTING CONDITIONS
DM-1 DEMOLITION PLAN
SP-1 SITE PLAN
SG-1 SITE GRADING PLAN
SD-1 SITE DRAINAGE PLAN
UT-1 SITE UTILITIES
EC-1 EROSION AND SEDIMENTATION CONTROL PLAN
LL-1 LANDSCAPE PLAN
LP-1 LIGHTING PLAN
TT-1 TRUCK TURNING PLAN
NS-1 NOTES SHEET
DN-1 SITE /DETAILS
DN-2 SANITARY DETAILS
DN-3 WATER DETAILS
DN-4 STORMWATER DETAILS
DN-5 EROSION CONTROL DETAILS


CITY PLANNING BOARD
CITY OF POUGHKEEPSIE, NEW YORK
**SITE PLAN APPROVAL**
FILE NO:
PROJECT NAME:
PROJECT LOCATION:
APPLICANT:
**OFFICIALLY APPROVED** AT THE PLANNING BOARD
MEETING HELD THE _____DAY OF_____2021_____
PLANNING CHAIR:
DESIGNEE:
DATE SIGNED:
CONDITION(S)

FIRE CHIEF

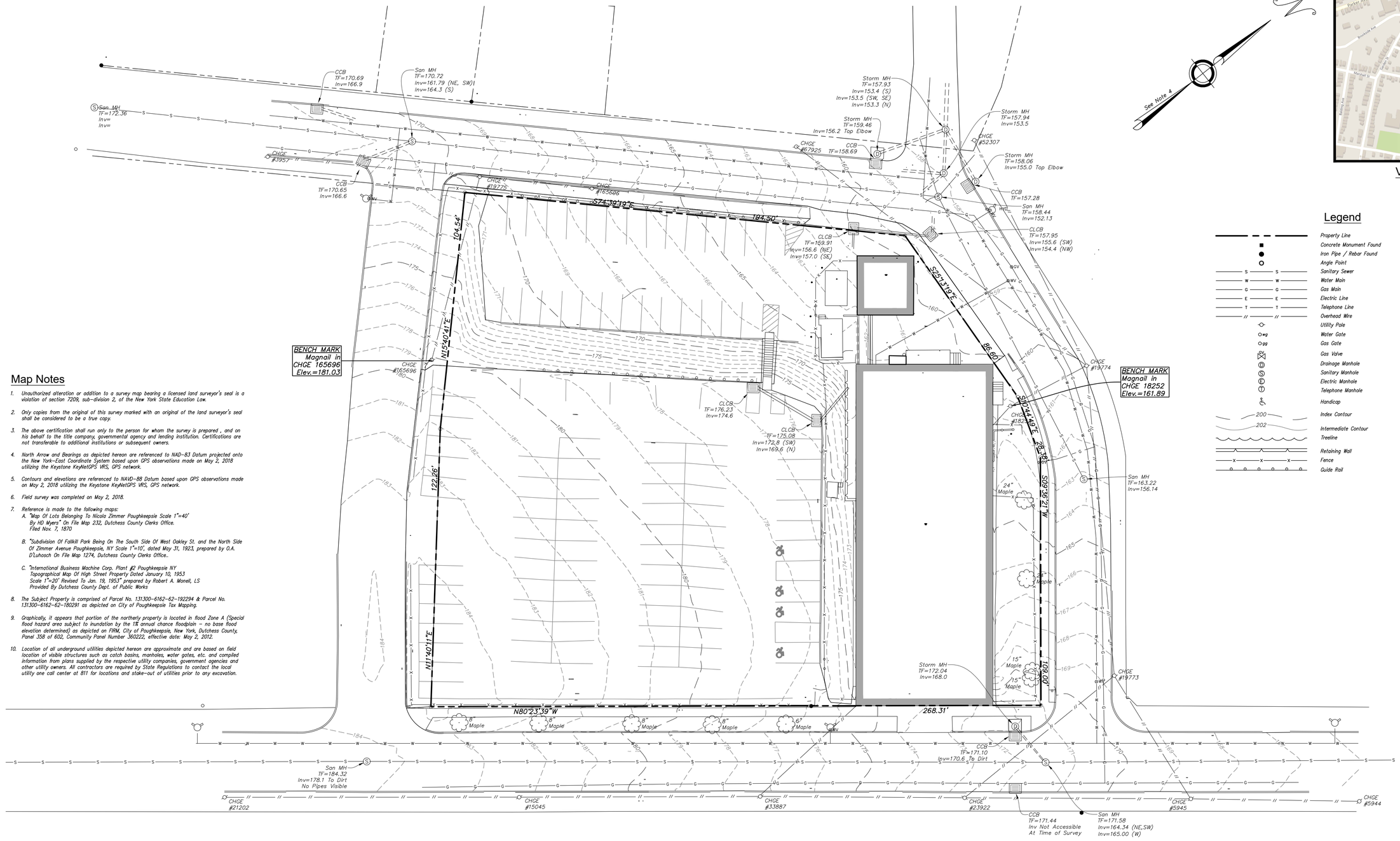
POLICE CHIEF

BUILDING INSPECTOR

CITY ENGINEER

COMMISSIONER OF PUBLIC WORKS

X:\JOBS\Jobs 2018\18-2277-Page Park – High Street\DWG\CVIP822770l.dwg 9/28/2021 12:50 PM SCurran




## Map Notes

1. Unauthorized alteration or addition to a survey map bearing a licensed land surveyor's seal is a violation of section 7209, sub-division 2, of the New York State Education Law.
2. Only copies from the original of this survey marked with an original of the land surveyor's seal shall be considered to be a true copy.
3. The above certification shall run only to the person for whom the survey is prepared , and on his behalf to the title company, governmental agency and lending institution. Certifications are not transferable to additional institutions or subsequent owners.
4. North Arrow and Bearings as depicted hereon are referenced to NAD-83 Datum projected onto the New York-East Coordinate System based upon GPS observations made on May 2, 2018 utilizing the Keystone KeyNetGPS VRS, GPS network.
5. Contours and elevations are referenced to NAVD-88 Datum based upon GPS observations made on May 2, 2018 utilizing the Keystone KeyNetGPS VRS, GPS network.
6. Field survey was completed on May 2, 2018.
7. Reference is made to the following maps:
   A. "Map Of Lots Belonging To Nicola Zimmer Poughkeepsie Scale 1"=40' By HD Myers" On File Map 232, Dutchess County Clerks Office. Filed Nov. 7, 1870
   B. "Subdivision Of Falkill Park Being On The South Side Of West Oakley St. and the North Side Of Zimmer Avenue Poughkeepsie, NY Scale 1"=10', dated May 31, 1923, prepared by O.A. D'Luhosch On File Map 1274, Dutchess County Clerks Office.
   C. "International Business Machine Corp. Plant #2 Poughkeepsie NY Topographical Map Of High Street Property Dated January 10, 1953 Scale 1"=20' Revised To Jan. 19, 1953" prepared by Robert A. Monell, LS Provided By Dutchess County Dept. of Public Works
8. The Subject Property is comprised of Parcel No. 131300-6162-62-192294 & Parcel No. 131300-6162-62-180291 as depicted on City of Poughkeepsie Tax Mapping.
9. Graphically, it appears that portion of the northerly property is located in flood Zone A (Special flood hazard area subject to inundation by the 1% annual chance floodplain – no base flood elevation determined) as depicted on FIRM, City of Poughkeepsie, New York, Dutchess County, Panel 358 of 602, Community Panel Number 360222, effective date: May 2, 2012.
10. Location of all underground utilities depicted hereon are approximate and are based on field location of visible structures such as catch basins, manholes, water gates, etc. and compiled information from plans supplied by the respective utility companies, government agencies and other utility owners. All contractors are required by State Regulations to contact the local utility one call center at 811 for locations and stake-out of utilities prior to any excavation.

## Certification

I hereby declare this map to be prepared in accordance with the Code of Practice of the New York State Association of Land Surveyors, adopted October, 1996 and revised through July 18, 1997.

JOHN WAGENBLATT, L.S. Lic. No. 050547

STATE OF NEW YORK · JOHN F. WAGENBLATT · LICENSED LAND SURVEYOR · 050547

## Deed References

Book 1780 / Page 345

## Total Parcel Area

53,747 S.F.
1.234 Acres

GRAPHIC SCALE
20 0 10 20 40 80
( IN FEET )
1 inch = 20 ft.

| # | Date | Revisions |
|---|---|---|
| 1. | 2021-06-04 | REVISED PER COMMENTS |
| 2. | 2021-08-06 | REVISED PER COMMENTS |
| 3. | 2021-09-10 | REVISED PER COMMENTS |
| 4. | 2021-09-28 | REVISED PER COMMENTS |

LRC GROUP
- Land Planning
- Civil Engineering
- Environmental Services
- Land Surveying
- Landscape Architecture

85 Civic Center Plaza, Suite 103
Poughkeepsie NY 12601
Tel:845.243.2880

160 West Street, Suite E
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# EXISTING CONDITIONS

## RESIDENTIAL DEVELOPMENT

27 HIGH STREET
CITY OF POUGHKEEPSIE,
DUTCHESS COUNTY, NEW YORK

| | | | | |
|---|---|---|---|---|
| Design/Calcs | BS | CAD File | EX18227701.dwg | Sheet No. |
| Drawn | SMC | Project No. | 18-2277 | EX-1 |
| Checked | KFC | Date | 2021-04-02 | |
| Approved | REM | Scale | 1"=20' | |

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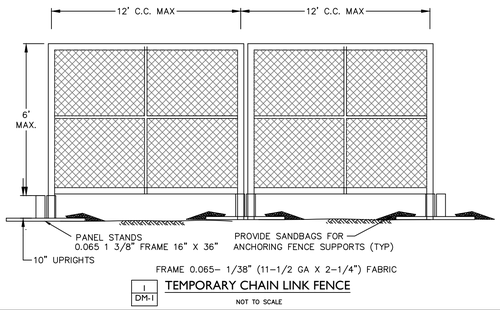
## DEMOLITION NOTES:

1. CONTRACTOR SHALL NOTIFY "DIG SAFELY NEW YORK" AT 1-800-962-7692 AT LEAST TWO FULL WORKING DAYS PRIOR TO COMMENCEMENT OF ANY WORK IN ACCORDANCE WITH UFPO CODE RULE 53, 16 NYCRR PART 753.
2. ANY ITEM THAT MAY CONFLICT WITH SITE DEVELOPMENT AND IS NOT IDENTIFIED ON THIS PLAN SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER AND DESIGN ENGINEER AS SOON AS POSSIBLE.
3. ADDITIONAL UNDERGROUND FACILITIES MAY BE PRESENT WITHIN THE LIMITS OF THE PROPOSED WORK. THE CONTRACTOR SHALL CONTACT ANY AND ALL PERSONNEL RESPONSIBLE FOR DETERMINING THE LOCATIONS.
4. PRIOR TO DEMOLISHING ANY BUILDINGS/STRUCTURES, THE CONTRACTOR SHALL PERFORM A PRE-DEMOLITION SURVEY IN ACCORDANCE WITH STATE AND FEDERAL REGULATIONS. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND APPROVALS BY THE AUTHORITY HAVING JURISDICTION.
5. CONFORM TO APPLICABLE CODE FOR DEMOLITION OF STRUCTURES, SAFETY OF ADJACENT STRUCTURES, DUST CONTROL, RUNOFF CONTROL, AND HAULING, DISPOSAL AND STORAGE OF DEBRIS.
6. PROVIDE, ERECT, AND MAINTAIN TEMPORARY BARRIERS AND SECURITY DEVICES.
7. MAINTAIN EXISTING UTILITIES TO REMAIN IN SERVICE AND PROTECT THEM AGAINST DAMAGE DURING SELECTIVE DEMOLITION OPERATIONS. DO NOT INTERRUPT EXISTING UTILITIES SERVING OPERATING FACILITIES, EXCEPT WHEN AUTHORIZED IN WRITING BY OWNER AND AUTHORITIES HAVING JURISDICTION.
8. WHEN DISTURBED, EXISTING FACILITIES SHALL BE REPAIRED OR REPLACED IN KIND AND IN ACCORDANCE WITH THE REQUIREMENTS OR THE DIRECTION OF THE AUTHORITY HAVING JURISDICTION. ASSOCIATED COSTS SHALL BE BORNE BY THE CONTRACTOR.
9. NOTIFY ADJACENT OWNERS OF WORK THAT MAY AFFECT THEIR PROPERTY, POTENTIAL NOISE, UTILITY OUTAGE, OR DISRUPTION. COORDINATE WITH OWNER.
10. PREVENT MOVEMENT OR SETTLEMENT OF ADJACENT STRUCTURES. PROVIDE BRACING AND SHORING.
11. LOCATE AND IDENTIFY ALL EXISTING UTILITIES WITHIN THE CONSTRUCTION AREA. DISCONNECT AND SEAL OR CAP OFF UTILITY SERVICES THAT WILL BE AFFECTED BY THIS PROJECT. NOTIFY AFFECTED UTILITY COMPANIES BEFORE STARTING WORK AND COMPLY WITH THEIR REQUIREMENTS. VERIFY THAT UTILITIES HAVE BEEN DISCONNECTED AND CAPPED.
12. DEMOLISH AND REMOVE COMPONENTS IN AN ORDERLY AND CAREFUL MANNER.
13. PROTECT EXISTING FEATURES THAT ARE NOT TO BE DEMOLISHED.
14. CONDUCT OPERATIONS WITH MINIMUM INTERFERENCE TO PUBLIC OR PRIVATE ACCESS WAY.
15. MAINTAIN EGRESS AND ACCESS AT ALL TIMES. DO NOT CLOSE OR OBSTRUCT ROADWAYS, OR SIDEWALKS WITHOUT PERMITS.
16. CEASE OPERATIONS IMMEDIATELY IF ADJACENT STRUCTURES APPEAR TO BE IN DANGER. NOTIFY AUTHORITY HAVING JURISDICTION.
17. ROUGH GRADE AND COMPACT AREAS AFFECTED BY DEMOLITION TO MAINTAIN SITE GRADES AND CONTOURS.
18. FIELD VERIFY EXISTING CONDITIONS AND CORRELATE WITH REQUIREMENTS INDICATED ON DEMOLITION PLAN TO DETERMINE EXTENT OF SELECTIVE DEMOLITION REQUIRED.
19. MAINTAIN EXISTING UTILITIES TO REMAIN IN SERVICE AND PROTECT THEM AGAINST DAMAGE DURING SELECTIVE DEMOLITION OPERATION.
20. CONDUCT SELECTIVE DEMOLITION OPERATIONS AND REMOVE DEBRIS TO ENSURE MINIMUM INTERFERENCE WITH WORK.
21. CONDUCT DEMOLITION OPERATIONS TO PREVENT INJURY TO PEOPLE AND DAMAGE TO ADJACENT BUILDINGS AND FACILITIES TO REMAIN. ENSURE SAFE PASSAGE OF PEOPLE AROUND SELECTIVE DEMOLITION AREA.
22. USE WATER MIST, TEMPORARY ENCLOSURES AND OTHER SUITABLE METHODS TO LIMIT THE SPREAD OF DUST AND DIRT. COMPLY WITH GOVERNING ENVIRONMENTAL PROTECTION REGULATIONS. DO NOT USE WATER WHEN IT MAY DAMAGE EXISTING CONSTRUCTION, SUCH AS ICE, FLOODING, OR POLLUTION.
23. REMOVE, TRANSPORT AND REMOVE DEBRIS IN A MANNER THAT WILL PREVENT SPILLAGE ON ADJACENT SURFACES AND AREAS AND MEET ALL APPROPRIATE DISPOSAL AND TRUCKING LAWS.
24. CLEAN ADJACENT STRUCTURES AND IMPROVEMENTS OF DUST, DIRT AND DEBRIS CAUSED BY SELECTIVE DEMOLITION OPERATIONS. RETURN ADJACENT AREAS TO CONDITION EXISTING BEFORE START OF SELECTIVE DEMOLITION.
25. PROMPTLY DISPOSE OF DEMOLISHED MATERIALS. ALL DEBRIS RESULTING FROM DEMOLITION ACTIVITIES SHALL BE DISPOSED OF OFF-SITE AT A FACILITY APPROVED TO RECEIVE THE DEBRIS. DO NOT ALLOW DEMOLISHED MATERIALS TO ACCUMULATE ON-SITE. DO NOT BURN DEMOLISHED MATERIALS ON-SITE.
26. NO BLASTING IS PROPOSED FOR THE PROJECT.
27. A MINIMUM OF TEN FEET OF EXISTING PIPE SHALL BE REMOVED AROUND ALL EXISTING MANHOLES, WHERE NEW PIPES ARE PROPOSED TO CONNECT.
28. IF ANY STORM DRYWELLS OR PREVIOUSLY UNIDENTIFIED UNDERGROUND STRUCTURES ARE IDENTIFIED AND EXHIBIT A SEWAGE/SEPTIC ODOR NOTIFY SITE ENGINEER AND TREAT AS SANITARY WASTE FOR DISPOSAL.

## DEMOLITION LEGEND:

- X X X X X X — ITEM(S) TO BE REMOVED
- BUILDING / STRUCTURE TO BE REMOVED
- PAVEMENT / CONCRETE WALK TO BE REMOVED
- APPROXIMATE SAWCUT LINE

GRAPHIC SCALE
20 10 0 20
SCALE IN FEET




1 / DM-1 TEMPORARY CHAIN LINK FENCE
NOT TO SCALE

STATE OF NEW YORK · RODNEY E MORRISON · 074104 · LICENSED PROFESSIONAL ENGINEER

| # | Date | Revisions |
|---|---|---|
| 1. | 2021-06-04 | REVISED PER COMMENTS |
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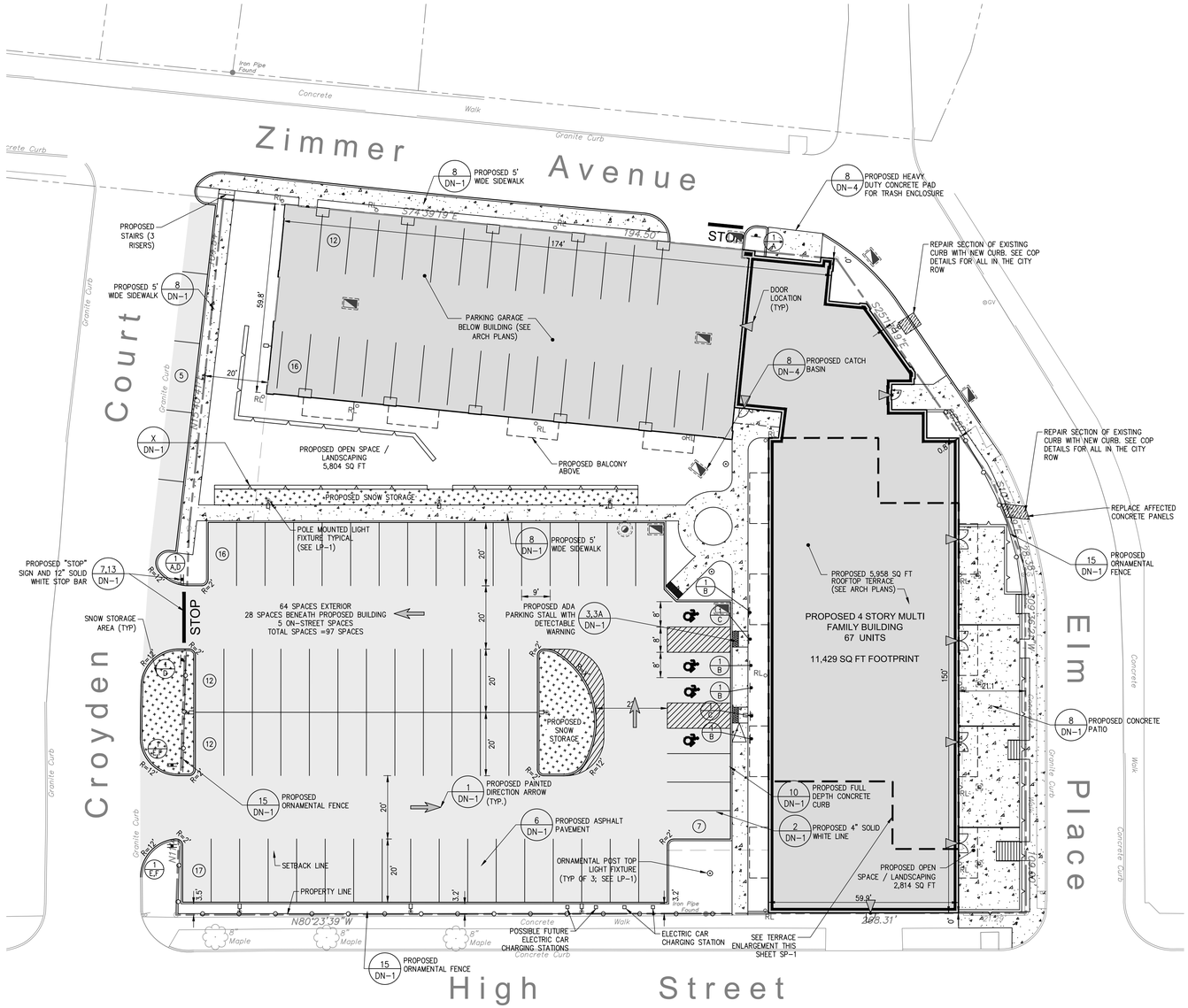

# DEMOLITION PLAN

## RESIDENTIAL DEVELOPMENT

27 HIGH STREET
CITY OF POUGHKEEPSIE,
DUTCHESS COUNTY, NEW YORK

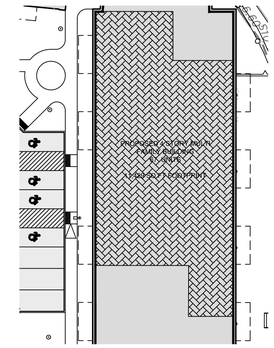
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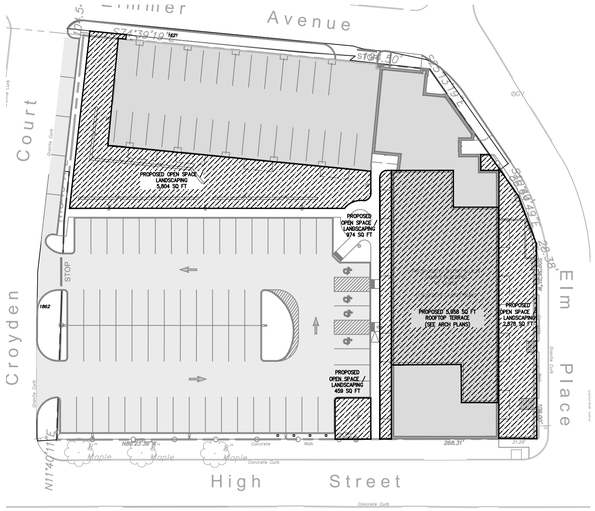
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## TERRACE ENLARGEMENT

SCALE: 1"=30'




## OPEN SPACE PLAN

SCALE: 1"=40'

## SUMMARY CHART

| ZONING INFORMATION | |
|---|---|
| PARCEL SIZE | 1.234 ACRES |
| TAX MAP IDENTIFICATION | 6162-62-192294 & 6162-62-180291 |
| PROPOSED ZONING DISTRICT | R-4 (MEDIUM HIGH DENSITY RESIDENCE) |
| PROPOSED USE | RESIDENTIAL USE |

**ZONING SUMMARY**

| ITEM | REQUIRED R-4 | PROPOSED |
|---|---|---|
| MINIMUM LOT AREA | 3.38 ACRES (1) | 1.234 ACRES * |
| MINIMUM LOT WIDTH | 30 FEET | 194.50 FEET |
| MINIMUM FRONT YARD | 20 FEET | 0 FT ** |
| MINIMUM SIDE YARD | 35.2 (2) | 0.6 FT * |
| SIDE YARD (OTHER SIDE) | NONE REQUIRED | 20' |
| MINIMUM REAR YARD | 32.5 (2) | 0 FT * |
| MAXIMUM BUILDING HEIGHT | 3 STORIES OR 40 FEET | 4 STORIES, 65.5 FT * |
| MAXIMUM LOT COVERAGE | 40% | 37.6% |
| USABLE OPEN SPACE | 0.433 (3) | 0.232 (GROUND AREA)<br>0.204 (BUILDING AREA)<br>0.436 (TOTAL) |
| FLOOR AREA RATIO (FAR) | NONE REQUIRED | 1.48 |

* VARIANCE REQUIRED, ** EXISTING NON CONFORMING

(1) MINIMUM LOT AREA

EFFICIENCY UNIT/
4-LIVE WORK=2,200 SF EACH (4X2,200=8,800 SF)
21 ONE BEDROOM UNIT=2,200 SF EACH (21X 2,200=46,200 SF)
42 ONE BEDROOM WITH DEN=2,200 SF EACH (42X 2,200=92,400 SF)
TOTAL LOT AREA REQUIRED 147,400 SF OR 3.38 ACRES

(2) SIDE / REAR YARDS

DISTANCE FROM STRUCTURE TO THE PROPERTY LINE=1/2 THE HEIGHT OF THE STRUCTURE CLOSEST TO THE PROPERTY LINE OR 15', WHICHEVER IS GREATER
1/2 OF 65.5=32.5 FT

(3) REQUIRED OPEN SPACE

ONE BEDROOM UNIT=300 SF EACH (63X300=18,900 SF)
TOTAL OPENS SPACE REQUIRED 18,900 SF OR 0.433 ACRES

## PARKING SUMMARY CHART

| | |
|---|---|
| PARCEL SIZE | 1.234 ACRES |
| TAX MAP IDENTIFICATION | 6162-62-192294 & 6162-62-180291 |

**PARKING SUMMARY**

| ITEM | REQUIRED | PROVIDED |
|---|---|---|
| PARKING REQUIREMENTS:<br>1 PER LIVE / WORK<br>1.5 PER ONE BEDROOM<br>VISITOR PARKING<br>(1x4 WORK UNITS + 1.5x63 ONE BEDROOM UNITS) | 108 REQUIRED | 28 SPACES UNDER BLDG<br>64 EXTERIOR SPACES<br>5 ON-STREET SPACES<br>97 TOTAL SPACES |
| HANDICAP SPACES | 4 REQUIRED * | 4 |
| MIN. PARKING DIMENSIONS | 9'x20' | 9'x20' |
| MIN. AISLE WIDTH (ONE WAY TRAFFIC) | 20' | 20' (ONE WAY) |

* PER ADA TABLE 208.2

## LEGEND

- PROPOSED ASPHALT
- PROPOSED CONCRETE SIDEWALK
- PROPOSED SNOW STORAGE AREA
- PROPOSED CONCRETE CURB
- PROPOSED SIGN

## SIGN LEGEND

| NO. | LEGEND | QTY. |
|---|---|---|
| A | STOP | 2 |
| B | RESERVED PARKING | 4 |
| C | NO PARKING ANYTIME | 2 |
| D | DO NOT ENTER | 2 |
| E | ONE WAY | 2 |
| F | ONE WAY | 2 |

NOTE: SIGNAGE TO BE CONSISTENT WITH TOWN/STATE AND MUTCD STANDARDS

# SIGNS

SIGN LEGEND No.

GRAPHIC SCALE
20 10 0 20
SCALE IN FEET

STATE OF NEW YORK
RODNEY E MORRISON
LICENSED PROFESSIONAL ENGINEER
071104

| # | Date | Revisions |
|---|---|---|
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# SITE PLAN

## RESIDENTIAL DEVELOPMENT

27 HIGH STREET
CITY OF POUGHKEEPSIE,
DUTCHESS COUNTY, NEW YORK

| | | | | |
|---|---|---|---|---|
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## GRADING AND DRAINAGE NOTES

1. ALL EXISTING STRUCTURES NOTED TO BE REMOVED, FENCING, TREES, ETC., WITHIN CONSTRUCTION AREA SHALL BE REMOVED & DISPOSED OF OFF SITE. ANY BURNING ON SITE SHALL BE SUBJECT TO LOCAL ORDINANCES.
2. CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES HAVING UNDERGROUND UTILITIES ON SITE OR IN RIGHT-OF-WAY PRIOR TO EXCAVATION. CONTRACTOR SHALL CONTACT UTILITY LOCATING COMPANY AND LOCATE ALL UTILITIES PRIOR TO GRADING START.
3. SITE GRADING SHALL NOT PROCEED UNTIL EROSION CONTROL MEASURES HAVE BEEN INSTALLED.

## LEGEND

- PROPOSED ASPHALT
- X 162 — PROPOSED SPOT ELEVATION
- 162 — PROPOSED MINOR CONTOUR LINE
- 160 — PROPOSED MAJOR CONTOUR LINE

PROPOSED 4 STORY MULTI FAMILY BUILDING
67 UNITS

11,429 SQ FT FOOTPRINT

GRAPHIC SCALE
20 10 0 20
SCALE IN FEET

STATE OF NEW YORK
RODNEY E MORRISON
071184
LICENSED PROFESSIONAL ENGINEER

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|---|---|---|
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# SITE GRADING PLAN

## RESIDENTIAL DEVELOPMENT

27 HIGH STREET
CITY OF POUGHKEEPSIE,
DUTCHESS COUNTY, NEW YORK

| | | | |
|---|---|---|---|
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| Approved | REM | Scale | 1"=20' |

Sheet No. SG-1

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## GRADING AND DRAINAGE NOTES

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3. SITE GRADING SHALL NOT PROCEED UNTIL EROSION CONTROL MEASURES HAVE BEEN INSTALLED.

## LEGEND

- PROPOSED ASPHALT
- PROPOSED STORM LINE
- PROPOSED YARD DRAIN
- PROPOSED CATCH BASIN

Zimmer Avenue
Croyden Court
High Street
PROPOSED 4 STORY MULTI FAMILY BUILDING 67 UNITS
11,429 SQ FT FOOTPRINT
PROPOSED CATCH BASIN #5 RIM=162.00 INV=158.90
PROPOSED CATCH BASIN #4 RIM=160.87 INV=157.77
PROPOSED CATCH BASIN #3 RIM=160.80 INV=158.00 (6") INV=157.47
PROPOSED CATCH BASIN #2 RIM=174.70 INV OUT=170.70
PROPOSED CATCH BASIN #1 RIM=175.40 INV IN=172.90 INV OUT=171.40
PROPOSED 6" ROOF LEADER
PROPOSED 4" ROOF LEADER
108 LF 12" HDPE @ 1.05%
30 LF 12" HDPE @ 1.0%
38 LF 12" HDPE @ 4.0%
26 LF 12" HDPE @ 1.0%
30 LF 12" HDPE @ 2.33%
40 LF 8" HDPE @ 4.68%
48 LF 8" HDPE @ 4.10%
55 LF 8" HDPE @ 5.67%
34 LF 8" HDPE @ 1.0%
33 LF 8" HDPE @ 1.0%
24 LF 8" HDPE @ 1.0%
PROPOSED STORM MANHOLE (DMH-1) RIM=175.30 INV=171.00
PROPOSED (15) SC-740 UNDERGROUND CHAMBERS BOTTOM CHAMBER=170.50 BOTTOM STONE=170.00
PROPOSED INSERTA TEE
PROPOSED INSPECTION PORT (TYP.)
REPLACE EXISTING CATCH BASIN WITH PROPOSED CATCH BASIN #7 RIM=157.95 INV IN=155.60 (12") INV IN=155.60 (8") INV OUT=154.40
PROPOSED AREA DRAIN #3 RIM=160.20 INV=157.57
PROPOSED AREA DRAIN #2 RIM=164.10 INV=160.69
PROPOSED INLINE DRAIN #2 RIM=164.1 INV=161.03
PROPOSED INLINE DRAIN #1 RIM=164.10 INV=161.36
PROPOSED AREA DRAIN #1 RIM=164.10 INV=161.60
SAWCUT LINE
CCB TF=170.69 Inv=166.9
CCB TF=170.65 Inv=166.6
CCB TF=158.69
CCB TF=157.28
CCB TF=171.10 Invv=170.6 To Dirt
Storm MH TF=157.93 Inv=153.4 (S) Inv=153.5 (SW, SE) Inv=153.3 (N)
Storm MH TF=159.46 Inv=156.2 Top Elbow
Storm MH TF=157.94 Inv=153.5
Storm MH TF=158.06 Inv=155.0 Top Elbow
CHGE #67925
CHGE #52307
CHGE #3957
CHGE #19774
CHGE #19773
CHGE #21202
CHGE #15045
CHGE #33887
CHGE #23922
CHGE #5945
Iron Pipe Found
N80°23'39"W
268.31'
42.29'
Concrete Walk
Granite Curb
Concrete Curb
6" Water Main
8" Water Main
8" Sanitary Sewer
4" CI Gas Main
6" CI Gas Main
12" RCP
12" HDPE
18" RCP
8" Maple
POSSIBLE FUTURE ELECTRIC CAR CHARGING STATIONS
ELECTRIC CAR CHARGING STATION

GRAPHIC SCALE
20 10 0 20
SCALE IN FEET

STATE OF NEW YORK
RODNEY E MORRISON
071404
LICENSED PROFESSIONAL ENGINEER

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# SITE DRAINAGE PLAN

## RESIDENTIAL DEVELOPMENT

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DUTCHESS COUNTY, NEW YORK

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Sheet No. SD-1

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## CONTRACTOR NOTE

1. BACKFLOW PREVENTION IS REQUIRED FOR BOTH THE FIRE AND DOMESTIC WATER SERVICE CONNECTIONS.

## LEGEND

- S — PROPOSED SANITARY SERVICE
- W — PROPOSED WATER SERVICE
- PROPOSED SAWCUT LINE
- DCO — PROPOSED DOUBLE SANITARY CLEANOUT
- FDC — PROPOSED FIRE DEPARTMENT CONNECTION
- WV — PROPOSED GATE VALVE

Zimmer Avenue

Croyden Court

Elm Place

High Street

STOP

PROPOSED 4 STORY MULTI FAMILY BUILDING
67 UNITS

11,429 SQ FT FOOTPRINT

CROSSING
SANITARY INV=157.55
STORM INV=156.44

16 LF OF 6" SDR 35 @ 1.5% (2 DN-2)

PROPOSED DOUBLE CLEANOUT INV=155.50 (3 DN-2)

ENCASE SEWER (1 DN-2)

PROPOSED DOGHOUSE SANITARY MANHOLE (4 DN-2)
RIM=158.50
INV=155.18

SAWCUT SIDEWALK AND ROAD TO INSTALL DOGHOUSE MANHOLE AND 6" SDR 35

PROPOSED 6" VALVE (RIGHT OPEN)

PROPOSED 6" DI WATER MAIN (1 DN-3)

PROPOSED 6" TAPPING SLEEVE AND VALVE

PROPOSED FDC CONNECTION

PROPOSED 6" FIRE SUPPLY

WATER UNDER STORM

PROPOSED 4" DOMESTIC BFP IN MECHANICAL

SAWCUT SIDEWALK AND ROAD INSTALL 6" WET TAP ON EXISTING WATER LINE

WATER OVER SANITARY

POSSIBLE FUTURE ELECTRIC CAR CHARGING STATIONS

ELECTRIC CAR CHARGING STATION

CCB TF=170.69 Inv=166.9

San MH TF=170.72 Inv=161.79 (NE, SW) Inv=164.3 (S)

Iron Pipe Found

CCB TF=170.65 Inv=166.6

CHGE #3957

CHGE #165696

CHGE #67925 TF=158.69

Storm MH TF=157.93 Inv=153.4 (S) Inv=153.5 (SW, SE) Inv=153.3 (N)

Storm MH TF=159.46 Inv=156.2 Top Elbow

Storm MH TF=157.94 Inv=153.5

CHGE #52307

Storm MH TF=158.06 Inv=155.0 Top Elbow

CCB TF=157.28

San MH TF=158.44 Inv=152.13

CCB TF=171.10 Inv=170.6 To Dirt

San MH TF=184.32 Inv=178.1 To Dirt No Pipes Visible

San MH TF=163.22 Inv=156.14

CHGE #19774

CHGE #19773

CHGE #21202

CHGE #15045

CHGE #33867

CHGE #23922

CHGE #5945

Concrete Walk

Granite Curb

Concrete Curb

6" Water Main

6" CI Gas Main

8" Maple

GRAPHIC SCALE
20 10 0 20
SCALE IN FEET

STATE OF NEW YORK
RODNEY E MORRISON
074104
LICENSED PROFESSIONAL ENGINEER

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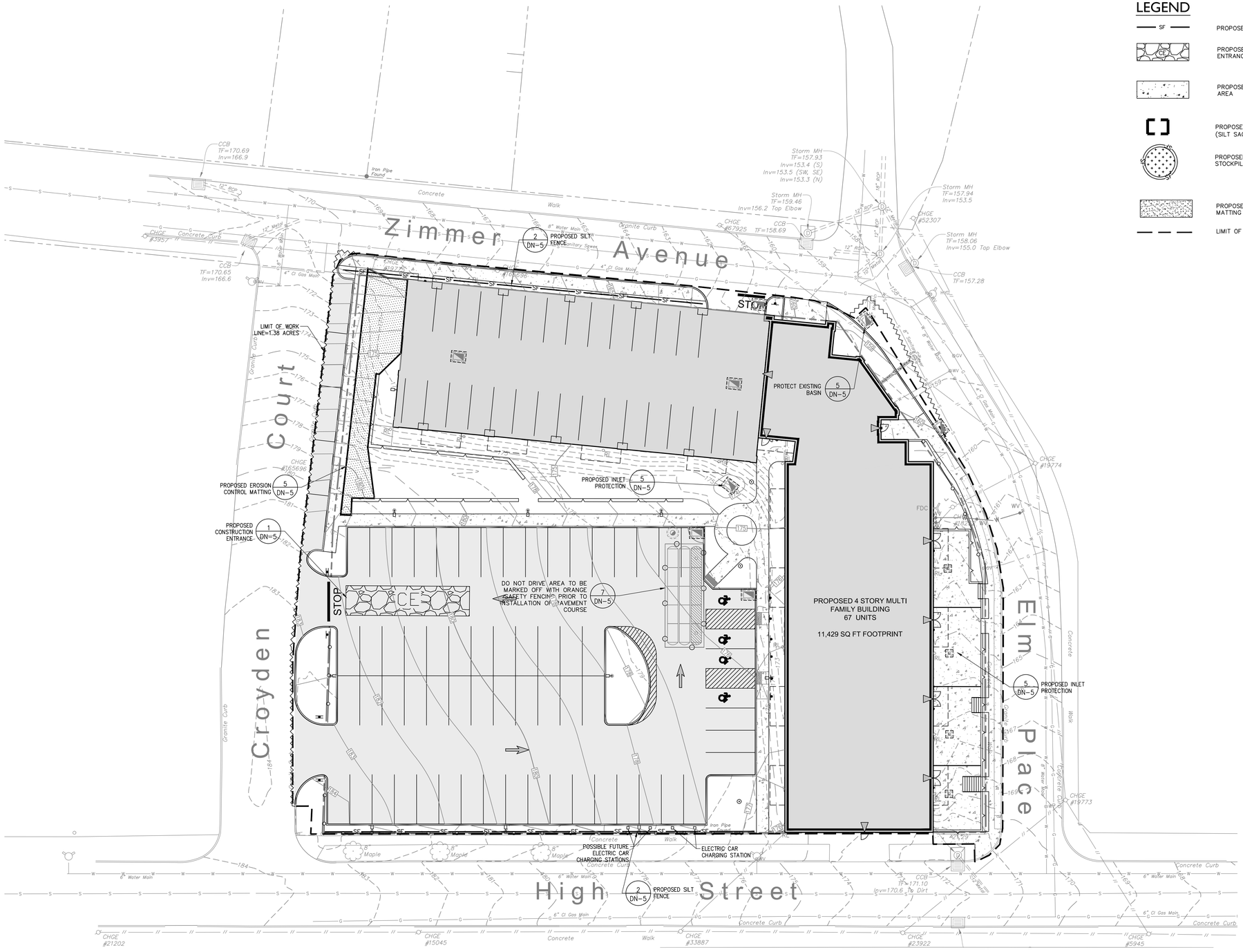

# UTILITIES PLAN

## RESIDENTIAL DEVELOPMENT

27 HIGH STREET
CITY OF POUGHKEEPSIE,
DUTCHESS COUNTY, NEW YORK

| | | | | | |
|---|---|---|---|---|---|
| Design/Calcs | BS | CAD File | UT1822770I.dwg | Sheet No. | UT-1 |
| Drawn | SMC | Project No. | 18-2277 | | |
| Checked | KFC | Date | 2021-04-02 | | |
| Approved | REM | Scale | 1"=20' | | |

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## LEGEND

- SF — PROPOSED SILT FENCE
- CE — PROPOSED CONSTRUCTION ENTRANCE
- PROPOSED CONCRETE WASHOUT AREA
- PROPOSED INLET PROTECTION (SILT SACKS)
- SM — PROPOSED SOIL MATERIALS STOCKPILE AREA WITH SILT FENCE
- PROPOSED EROSION CONTROL MATTING
- LIMIT OF WORK LINE

## EROSION AND SEDIMENT CONTROL PLAN

1. LAND DISTURBANCE WILL BE KEPT TO A MINIMUM; RESTABILIZATION WILL BE SCHEDULED AS SOON AS PRACTICABLE.

2. HAY BALE FILTERS OR SILTATION FENCE WILL BE INSTALLED AT ALL CULVERT OUTLETS AND ALONG THE TOE OF ALL CRITICAL CUT AND FILL SLOPES.

3. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE NEW YORK STATE EROSION & SEDIMENT CONTROL "BLUE BOOK" 2005.

4. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO CONSTRUCTION WHENEVER POSSIBLE.

5. ALL CONTROL MEASURES SHALL BE MAINTAINED IN EFFECTIVE CONDITION THROUGHOUT THE CONSTRUCTION PERIOD.

6. ADDITIONAL CONTROL MEASURES SHALL BE INSTALLED DURING THE CONSTRUCTION PERIOD, IF NECESSARY OR REQUIRED.

7. SEDIMENT REMOVED FROM CONTROL STRUCTURES WILL BE DISPOSED OF IN A MANNER WHICH IS CONSISTENT WITH THE INTENT OF THE PLAN.

8. DUST CONTROL AND ANTI-TRACKING MAINTENANCE TO BE ADDRESSED AND RESOLVED ON A DAILY BASIS.

## INSTALLATION OF SEDIMENTATION AND EROSION CONTROL MEASURES

### I. SILTATION FENCE

A. DIG A SIX INCH TRENCH ON THE UPHILL SIDE OF THE DESIGNATED FENCE LINE LOCATION.

B. POSITION THE POST AT THE BACK OF THE TRENCH (DOWNHILL SIDE), AND HAMMER THE POST AT LEAST 2.0 FEET INTO THE GROUND.

C. LAY THE BOTTOM SIX INCHES OF THE FABRIC INTO THE TRENCH TO PREVENT UNDERMINING BY STORM WATER RUN-OFF.

D. BACKFILL THE TRENCH AND COMPACT.

## OPERATION AND MAINTENANCE OF SEDIMENTATION AND EROSION CONTROL MEASURES

### I. SILTATION FENCE

ALL SILTATION FENCES SHALL BE INSPECTED ONCE EVERY SEVEN DAYS. ALL DETERIORATED FABRIC AND DAMAGED POSTS SHALL BE REPLACED AND PROPERLY REPOSITIONED IN ACCORDANCE WITH THIS PLAN.

SEDIMENT DEPOSITS SHALL BE REMOVED FROM BEHIND THE FENCE WHEN THEY EXCEED A HEIGHT OF ONE FOOT.

### II. STABILIZED CONSTRUCTION ENTRANCE

STABILIZED CONSTRUCTION ENTRANCE SHALL BE INSPECTED DAILY BY THE QUALIFIED INSPECTOR TO ENSURE THAT SEDIMENT AND DEBRIS ARE NOT BEING TRACKED ONTO ANY PUBLIC ROADWAY.

## SEEDING AND MULCHING

ANY DISTURBED AREAS THAT WILL BE LEFT EXPOSED FOR MORE THAN 7 DAYS AND NOT SUBJECT TO CONSTRUCTION TRAFFIC, SHALL IMMEDIATELY RECEIVE SEEDING AND MULCHING. DISTURBED AREAS SHALL BE LIMITED AND BE COVERED WITH A LAYER OF TOPSOIL PRIOR TO SEEDING. SEEDING WILL BE INSPECTED FOR BARE SPOTS, WASH OUTS, AND HEALTHY GROWTH. IF REQUIRED ADDITIONAL SEEDING SHALL BE PERFORMED. THE SEED MIX SPECIFIED FOR THIS SITE IS FROM THE NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL, TABLE 3.2 (SITE CHOICE 1B) WHICH IS AS FOLLOWS:

| | Pure Live Seed Values | |
|---|---|---|
| SPECIES (% by weight) | lbs/1000SF | lbs/acre |
| 15% fine fescue | 2.0 – 2.6 | 85 – 114 |
| 20% perrenial ryegrass | 0.6 – 0.8 | 26 – 35 |
| 65% kentucky bluegrass blend | 0.4 – 1.6 | 19 – 26 |
| | 3.0 – 4.0 | 130 – 175 |

## TEMPORARY VEGETATIVE STABILIZATION

1. ESTABLISHMENT OF TEMPORARY STANDS OF GRASS BY SEEDING AND MULCHING EXPOSED SOILS THAT WILL BE EXPOSED. SEED BARE SOIL WITHIN SEVEN (7) DAYS OF EXPOSURE, UNLESS CONSTRUCTION WILL BEGIN WITHIN FOURTEEN (14) DAYS IF CONSTRUCTION IS SUSPENDED, OR SECTIONS COMPLETED, AREAS SHOULD BE SEEDED DOWN OR MULCHED DOWN IMMEDIATELY. THIS WILL TEMPORARILY STABILIZE THE SOIL WITH A VEGETATIVE COVER THAT WILL PREVENT DAMAGE FROM WIND AND WATER EROSION AND SEDIMENTATION.

2. INSTALLATION: FERTILIZING, SEEDING, AND MULCHING WILL BE USED AS A TEMPORARY E&S CONTROL MEASURE ON ALL NON-PAVED DISTURBED AREAS. EXPOSED SOILS NOT SUBJECT TO CONSTRUCTION TRAFFIC SHALL BE SEEDED OR COVERED BY MULCH WITHIN 7 DAYS, INCLUDING STOCKPILED SOIL MATERIALS. WITH REGARD TO THE TEMPORARY SEED MIX, REFER TO THE SEEDING MIXTURE TABLE PROVIDED ON THE E&S CONTROL PLAN DETAIL SHEET.

3. OPERATIONS AND MAINTENANCE: INSPECT SEEDED AREA AT LEAST ONCE A WEEK FOR SEED AND MULCH MOVEMENT AND RILL EROSION. WHERE SEED HAS MOVED OR WHERE SOIL EROSION HAS OCCURRED, DETERMINE CAUSE OF THE FAILURE. BIRD FEEDING MAY BE A PROBLEM IF MULCH WAS APPLIED TOO THINLY TO PROTECT SEED. RE-SEED AND RE-MULCH. IF MOVEMENT WAS A RESULT OF WIND, REPAIR EROSION DAMAGE, REAPPLY SEED, MULCH AND APPLY MULCH ANCHORING. IF FAILURE WAS CAUSED BY CONCENTRATED RUNOFF, INSTALL ADDITIONAL MEASURES TO CONTROL WATER AND SEDIMENT MOVEMENT, REPAIR EROSION DAMAGE, RE-SEED AND RE-APPLY MULCH WITH ANCHORING OR USE EROSION CONTROL BLANKET.

GRAPHIC SCALE
20 10 0 20
SCALE IN FEET

STATE OF NEW YORK
RODNEY E MORRISON
074104
LICENSED PROFESSIONAL ENGINEER

| # | Date | Revisions |
|---|---|---|
| 1 | 2021-06-04 | REVISED PER COMMENTS |
| 2 | 2021-08-06 | REVISED PER COMMENTS |
| 3 | 2021-09-10 | REVISED PER COMMENTS |
| 4 | 2021-09-28 | REVISED PER COMMENTS |


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# EROSION AND SEDIMENTATION CONTROL PLAN

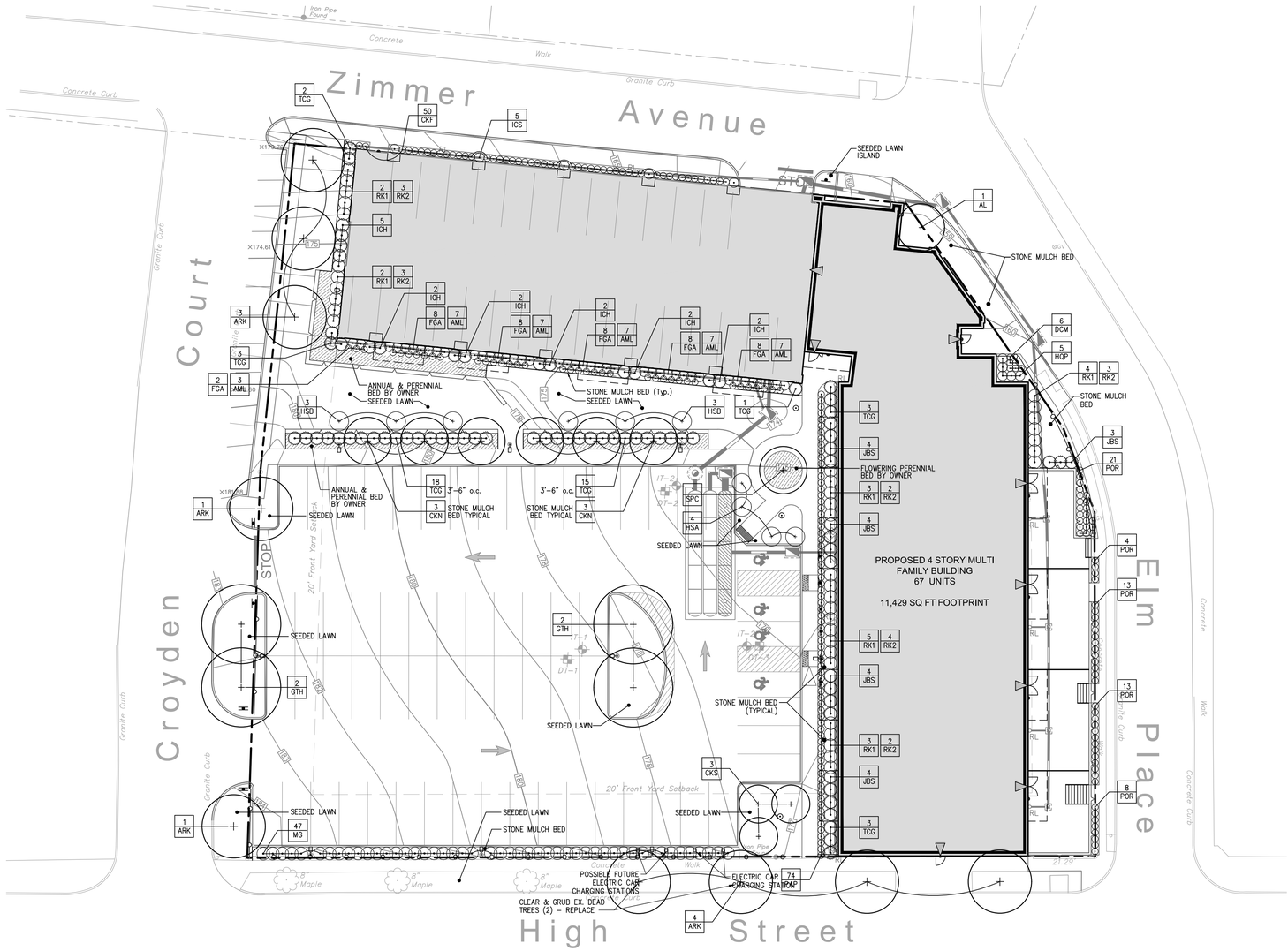
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Sheet No. EC-1

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# PLANTING NOTES:

1. THE LANDSCAPE PLAN AND RELATED DETAILS ARE FOR LANDSCAPING INFORMATION ONLY. PLEASE REFER TO THE SITE PLAN FOR ALL OTHER INFORMATION.
2. THE CONTRACTOR SHALL GUARANTEE THAT ALL PLANTS, TREES, AND SHRUBS SHALL BE HEALTHY AND FREE OF DISEASE FOR A PERIOD OF ONE YEAR AFTER SUBSTANTIAL COMPLETION AND ACCEPTANCE BY OWNER OR LANDSCAPE ARCHITECT. CONTRACTOR SHALL REPLACE ANY DEAD OR UNHEALTHY PLANTS AT CONTRACTOR'S EXPENSE. PLANT MATERIAL REPLACEMENTS SHALL BE GUARANTEED FOR ONE FULL YEAR FROM DATE OF REPLACEMENT. FINAL ACCEPTANCE SHALL BE MADE IF ALL PLANTS MEET THE GUARANTEE REQUIREMENTS INCLUDING MAINTENANCE. MAINTENANCE RESPONSIBILITIES INCLUDE CULTIVATING, SPRAYING, WEEDING, WATERING, TIGHTENING GUYS, PRUNING, FERTILIZING, MULCHING, AND ANY OTHER OPERATIONS NECESSARY TO MAINTAIN PLANT VIABILITY. MAINTENANCE SHALL BEGIN IMMEDIATELY AFTER PLANTING AND CONTINUE UNTIL THE END OF THE ONE YEAR GUARANTEE PERIOD.
3. THE CONTRACTOR SHALL SUPPLY ALL LABOR, PLANTS, AND MATERIALS IN QUANTITIES SUFFICIENT TO COMPLETE THE WORK SHOWN ON THE DRAWINGS AND LISTED IN THE PLANT SCHEDULE. IN THE EVENT OF A DISCREPANCY BETWEEN QUANTITIES SHOWN IN THE PLANT SCHEDULE AND THOSE REQUIRED BY THE DRAWINGS, THE LARGER SHALL APPLY.
4. ALL TREE AND SHRUB RINGS OR BEDS SHALL BE MULCHED TO A DEPTH OF 4" WITH SHREDDED HARDWOOD BARK MULCH.
5. NO PLANT SHALL BE PLACED IN THE GROUND BEFORE ROUGH GRADING HAS BEEN COMPLETED AND APPROVED BY ENGINEER. STAKING THE LOCATION OF ALL TREES AND SHRUBS SHALL BE COMPLETED PRIOR TO PLANTING FOR APPROVAL BY THE OWNER OR LANDSCAPE ARCHITECT. STAKING OF THE INSTALLED TREE MUST BE COMPLETED THE SAME DAY AS IT IS INSTALLED. ALL TREES SHALL BE STAKED OR GUYED PER DETAIL. SEE SHEET DN–1 FOR PLANTING DETAILS.
6. COORDINATE PLANT MATERIAL LOCATIONS WITH SITE UTILITIES. EXERCISE CARE WHEN DIGGING IN AREAS OF POTENTIAL CONFLICT WITH UNDERGROUND OR OVERHEAD UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE DUE TO CONTRACTOR'S NEGLIGENCE AND SHALL REPLACE OR REPAIR ANY DAMAGE AT CONTRACTOR'S EXPENSE.
7. LANDSCAPE PLANTING PITS MUST BE FREE DRAINING. COMPACTED SUBGRADE AND ROCK SHALL BE REMOVED TO FULL DEPTH PLANTING PITS OR TO A GREATER DEPTH IF REQUIRED BY PLANTING DETAILS OR SPECIFICATIONS. REPLACE SOIL PLANTING SOIL MIX AS DESCRIBED IN THESE NOTES.
8. TIME OF PLANTING: NEW PLANT MATERIALS SHALL BE INSTALLED BETWEEN APRIL 1 AND JUNE 1, OR AFTER SEPTEMBER 15TH AND NO LATER THAN OCTOBER 31ST.
9. PLANTING SOIL MIXTURE FOR TREES AND SHRUBS:
   - 1 PART COMPOST
   - 1 PART PEAT MOSS
   - 3 PARTS TOPSOIL
   - FERTILIZER/LIME (APPLY AS RECOMMENDED BY SOIL ANALYSIS)
   - MYCORHIZA INOCULANT – "TRANSPLANT 1–STEP" AS MANUFACTURED BY ROOTS, INC. OR APPROVED EQUAL. USE PER MANUFACTURER'S RECOMMENDATIONS FOR TREES AND SHRUBS.
10. LAWN SEEDING MIXTURE:

    15% KENTUCKY BLUEGRASS (POA PRATENSIS – SINGLE VARIETY)
    15% PERENNIAL RYEGRASS (LOLIUM PERENNE)
    30% CREEPING RED FESCUE (FESTUCA RUBRA)
    25% CHEWINGS FESCUE (FESCTUCA RUBRA "JAMESTOWN II")
    15% HARD FESCUE (FESTUCA OVINA "RELIANT II")

    SEEDING RATE: 4.5 LBS PER 1,000 S.F. (ADD 10% TO QUANTITY IF HYDROSEEDED).

    SEEDING DATES: AUGUST 15 – OCTOBER 1 AND APRIL 15 – JUNE 15 UNLESS OTHERWISE APPROVED BY THE OWNER OR LANDSCAPE ARCHITECT.
11. ALL SLOPES GREATER THAN 3:1 RECEIVING A GRASS SEEDING MIXTURE SHALL BE COVERED WITH AN EROSION CONTROL BLANKET.
12. ALL DISTURBED AREAS NOT OTHERWISE DEVELOPED SHALL BE SEEDED WITH THE LAWN SEEDING MIXTURE.

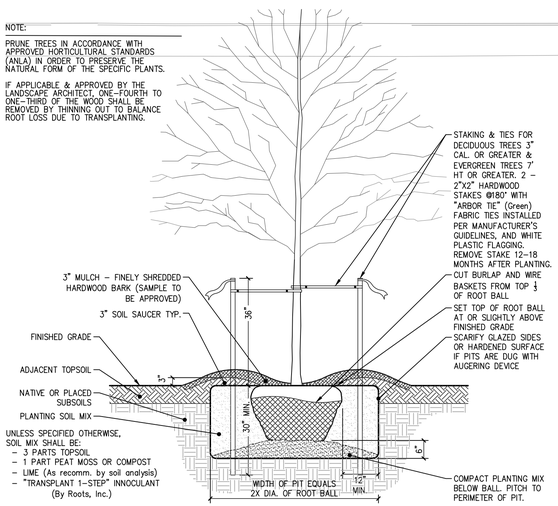
# PLANT LIST:

| | CODE | QTY. | BOTANICAL NAME | COMMON NAME | ROOT | SIZE INSTALLED | SIZE MATURE | COMMENTS |
|---|---|---|---|---|---|---|---|---|
| TREES: | AL | 1 | AMELANCHIER LAEVIS | ALLEGHENY SERVICEBERRY | B&B | 8–10' ht. | 35' ht. | Multi–stem Tree Form |
| | ARK | 9 | ACER RUBRUM 'KARPICK' | KARPICK RED MAPLE | B&B | 2.5–3" cal. | 20x40' ht. | Narrow oval crown |
| | CKN | 6 | CORNUS KOUSA x NUTTALLII 'KN4–43' | STARLIGHT KOUSA DOGWOOD | B&B | 3–3.5" cal. | 30' ht. | White Bloom |
| | CKS | 3 | CORNUS KOUSA 'SATOMI' | SATOMI KOUSA DOGWOOD | B&B | 2.5–4" cal. | 25' ht. | Pink Bloom |
| | GTH | 4 | GLEDITSIA T. INERMIS 'HALKA' | HALKA HONEYLOCUST | B&B | 3–3.5" cal. | 60' ht. | |
| | SPC | 1 | STEWARTIA PSUEDOCAMELLIA | JAPANESE STEWARTIA | B&B | 3–3.5" cal. | 20–25' ht. | |
| | | | | | | | | |
| SHRUBS: | AML | 38 | ARONIA MELANOCARPA 'UCONNAM165' | LOW SCAPE MOUND CHOKEBERRY | CONT. | #1 | 12–24" ht. | 18" o.c.; Red–Or Fall |
| | DCM | 6 | DAPHNE BURKWOODII 'CAROL MACKIE' | CAROL MACKIE DAPHNE | CONT. | 18–24" ht. | 2–3' ht. | Semi–evergreen |
| | FGA | 42 | FOTHERGILLA GARDENII 'APPALACHIA' | DWARF FOTHERGILLA | CONT. | 24" min.ht. | 2–3' ht. | White bloom; Red/Or fall |
| | HQP | 5 | HYDRANGEA QUERCIFOLIA 'PEEWEE' | PEE WEE OAKLEAF HYDRANGEA | CONT. | 24" min.ht. | 3–5' ht. | White; Burgundy fall |
| | HSA | 4 | HIBISCUS SYRIACUS 'ARDENS' | ROSE OF SHARON | B&B | 36–42" ht. | 8–10' ht. | Double Rosy Purple |
| | HSB | 6 | HIBISCUS SYRIACUS 'BLUE SATIN' | ROSE OF SHARON | B&B | 36–42" ht. | 8–10' ht. | Single Royal Blue |
| | ICH | 15 | ILEX CRENATA 'HOOGENDORN' | HOOGENDORN JAPANESE HOLLY | CONT. | 24"min.spd. | 2–3' ht. | Low Spreading Form; No prune. |
| | ICS | 5 | ILEX CRENATA 'STEEDS' | STEEDS JAPANESE HOLLY | CONT. | 36–42 "ht. | 8–10' ht. | Upright Pyramidal Form |
| | JBS | 19 | JUNIPERUS SQUAMATA 'BLUE STAR' | BLUE STAR JUNIPER | CONT. | 24" min.spd. | 3'H x 4'W | Do not prune. |
| | MG | 47 | MYRICA GALE | SWEET GALE | CONT. | 24" min.spd. | 2–4' ht. | Maintain as loose hedge |
| | RK1 | 19 | ROSA 'RADRAZZ' | KNOCK OUT ROSE | CONT. | 24" min.ht. | 3–4' ht. | 30" o.c.; Red |
| | RK2 | 17 | ROSA 'RADCOR' | RAINBOW KNOCK OUT ROSE | CONT. | 24" min.ht. | 3–4' ht. | 30" o.c.; Pink |
| | TCG | 45 | TAXUS CUSPIDATA 'GREENWAVE' | GREENWAVE JAPANESE YEW | CONT. | 24–30" ht. | 3'x4' | Do not shear. |
| | | | | | | | | |
| PERENNIALS, GRASSES & GROUNDCOVERS: | CKF | 50 | CALAMAGROSTIS ACU. 'KARL FOERSTER' | FEATHER REED GRASS | CONT | #1 | 4–5' ht. | |
| | PAP | 74 | PENNISETUM ALOPCUROIDES 'PIGLET' | PIGLET DWARF FOUNTAIN GRASS | CONT. | #SP5 | 18" ht. | 2' o.c. |
| | POR | 59 | PENNISETUM ORIENTALE | ORIENTAL FOUNTAIN GRASS | CONT. | #SP5 | 24" ht. | 2' o.c.; Lt. Pink tassels |
| | | | | | | | | |
| | | | | | | | | |

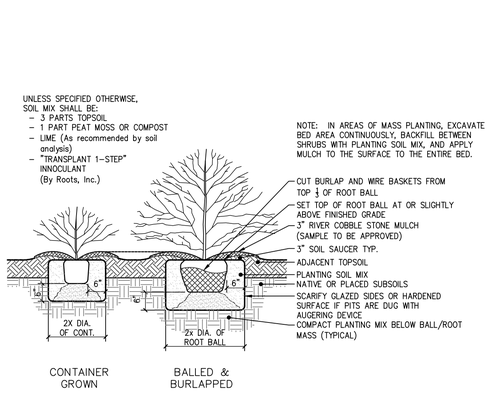
NOTE:

PRUNE TREES IN ACCORDANCE WITH APPROVED HORTICULTURAL STANDARDS (ANLA) IN ORDER TO PRESERVE THE NATURAL FORM OF THE SPECIFIC PLANTS.

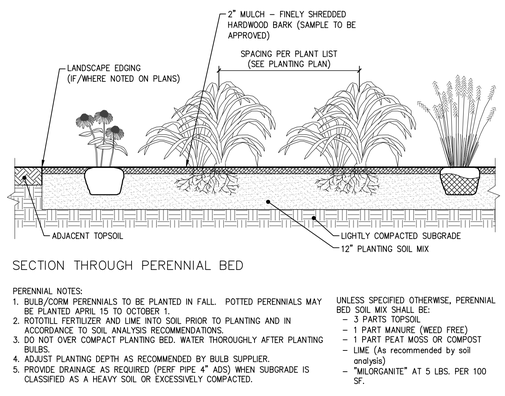
IF APPLICABLE & APPROVED BY THE LANDSCAPE ARCHITECT, ONE–FOURTH TO ONE–THIRD OF THE WOOD SHALL BE REMOVED BY THINNING OUT TO BALANCE ROOT LOSS DUE TO TRANSPLANTING.




1 TREE PLANTING DETAIL
SCALE: 1/2" = 1'–0"




2 SHRUB PLANTING DETAIL
SCALE: 1/2" = 1'–0"




SECTION THROUGH PERENNIAL BED

PERENNIAL NOTES:
1. BULB/CORM PERENNIALS TO BE PLANTED IN FALL. POTTED PERENNIALS MAY BE PLANTED APRIL 15 TO OCTOBER 1.
2. ROTOTILL FERTILIZER AND LIME INTO SOIL PRIOR TO PLANTING AND IN ACCORDANCE TO SOIL ANALYSIS RECOMMENDATIONS.
3. DO NOT OVER COMPACT PLANTING BED. WATER THOROUGHLY AFTER PLANTING BULBS.
4. ADJUST PLANTING DEPTH AS RECOMMENDED BY BULB SUPPLIER.
5. PROVIDE DRAINAGE AS REQUIRED (PERF. PIPE 4" ADS) WHEN SUBGRADE IS CLASSIFIED AS A HEAVY SOIL OR EXCESSIVELY COMPACTED.

UNLESS SPECIFIED OTHERWISE, PERENNIAL BED SOIL MIX SHALL BE:
- 3 PARTS TOPSOIL
- 1 PART MANURE (WEED FREE)
- 1 PART PEAT MOSS OR COMPOST
- LIME (As recommended by soil analysis)
- "MLORGANITE" AT 5 LBS. PER 100 SF.

3 ANNUAL/PERENNIAL AND GROUND COVER BEDS DETAIL
SCALE: 1/2" = 1'–0"

GRAPHIC SCALE
20 10 0 20
SCALE IN FEET

STATE OF NEW YORK
RODNEY E. MORRISON
LICENSED PROFESSIONAL ENGINEER
074184

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# LANDSCAPE PLAN

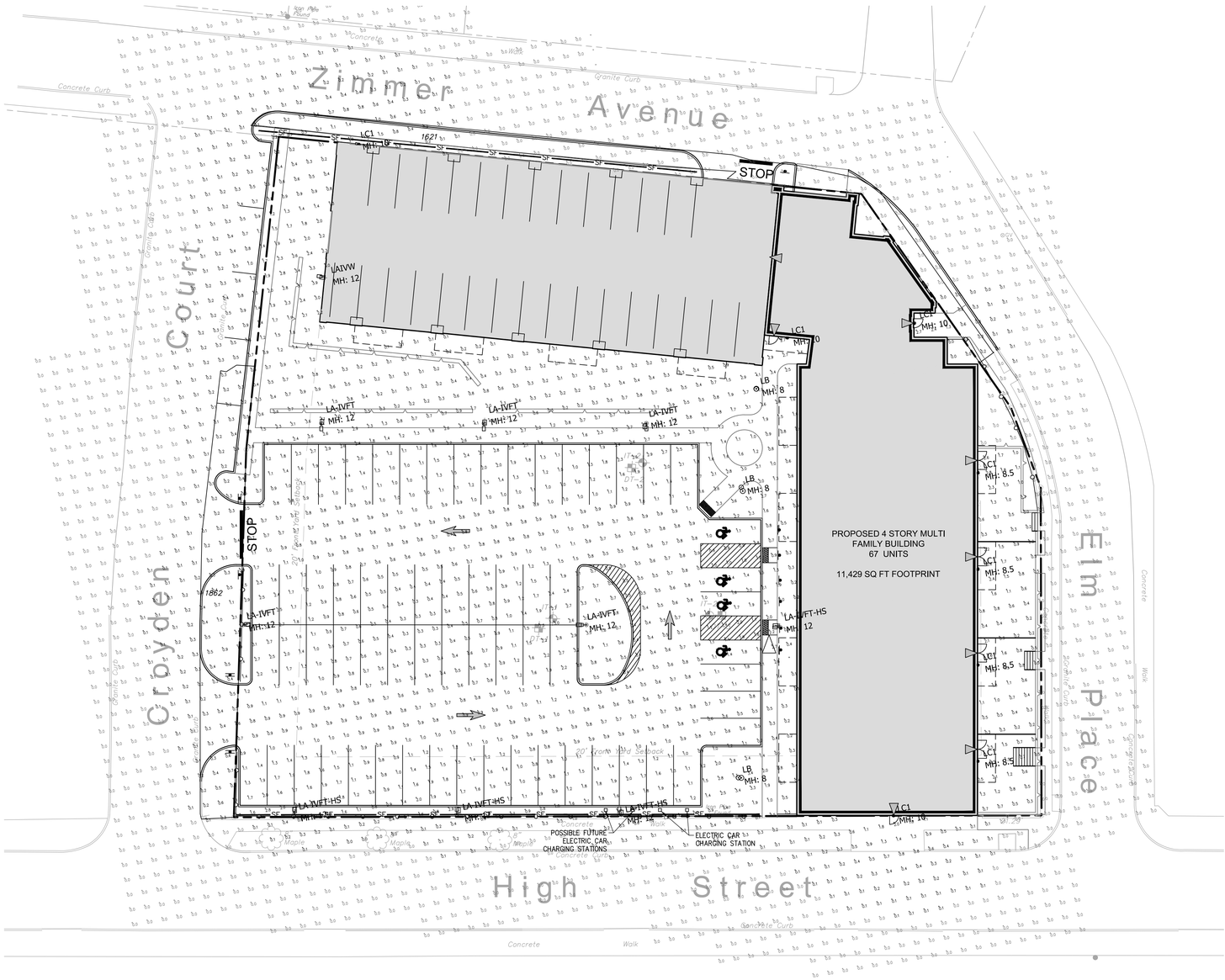
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| Approved | REM | Scale | 1" = 20' |

Sheet No. LL-1

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This Photometric Plan has been submitted to and Approved by the City of Poughkeepsie, NY. For the protection of the City of Poughkeepsie, the Owner and the Engineer of record, this photometric performance is the basis of design. If an alternate lighting system is submitted, the contractor shall provide a point by point lighting plan for approval with the submittal. The AGi, (Third party Lighting Calculation Software by Lighting Analysts, Inc) file used to create the Town of Poughkeepsie approved point by point will be furnished for the contractors use. This will ensure a fair and equal comparison between the design make performance and the submitted alternate product. Failure to comply with this requirement will result in the return of the submittal as rejected.

## LIGHTING CALCULATION & SCHEDULE::

| Calculation Summary | | | | | | | |
|---|---|---|---|---|---|---|---|
| Label | CalcType | Units | Avg | Max | Min | Avg/Min | Max/Min |
| Entire Site | Illuminance | Fc | 0.37 | 4.3 | 0.0 | N.A. | N.A. |
| Front Sidewalk | Illuminance | Fc | 1.43 | 3.8 | 0.0 | N.A. | N.A. |
| Rear Patios | Illuminance | Fc | 1.01 | 2.8 | 0.2 | 5.05 | 14.00 |
| Upper Parking Lot On | Illuminance | Fc | 1.11 | 3.9 | 0.3 | 3.70 | 13.00 |

| Luminaire Schedule | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Symbol | Qty | Label | Arrangement | Lum. Lumens | Lum. Watts | Arr. Watts | Total Watts | LLD | LDD | BF | LLF | Description |
| | 5 | LA-IVFT | SINGLE | 4471 | 34 | 34 | 170 | 0.920 | 0.950 | 1.000 | 0.874 | GLEON-SA1A-730-U-T4FT |
| | 4 | LA-IVFT-HS | SINGLE | 3156 | 34 | 34 | 136 | 0.920 | 0.950 | 1.000 | 0.874 | GLEON-SA1A-730-U-T4FT-HSS |
| | 1 | LA1VW | SINGLE | 4845 | 34 | 34 | 34 | 0.920 | 0.950 | 1.000 | 0.874 | GLEON-SA1A-740-U-T4W |
| | 3 | LB | SINGLE | 1754 | 20 | 20 | 60 | 0.920 | 0.950 | 1.000 | 0.874 | 651-3023 |
| | 8 | LC1 | SINGLE | 1210 | 15 | 15 | 120 | 0.920 | 0.950 | 1.000 | 0.874 | 622-6720 |

## POLE MOUNTED FIXTURE - Parking

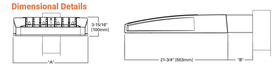
LA-IVFT and LA-IVFT-HS

| | | | | | |
|---|---|---|---|---|---|
| Project | 27 High Street Poughkeepsie, NY | Catalog # | GLEON-SA1A-730-(Optics)-U (Lens Height and Optics Per Dwg LP-1) | Type | PARKING (Pole Mount) |
| Prepared by | The LRC Group Henry Thomas | Notes | 3000K Color Temp Typical | Date | 03-05-21 |



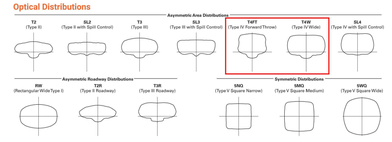
**McGraw-Edison**
**GLEON Galleon**
Area / Site Luminaire

Dimensional Details




| Product Family * | Light Engine: Configuration | Light Engine: Drive Current | Color Temperature | Voltage | Distribution | Mounting | Finish |
|---|---|---|---|---|---|---|---|
| GLEON-Galleon | T4FT Square Pole*<br>SA1-1 Square<br>SA1-2 Square<br>SA1-3 Square<br>SA1-4 Square*<br>SA1-5 Square*<br>SA1-6 Square*<br>SA1-7 Square*<br>SA1-10 Square* | A=350mA<br>B=530mA<br>C=700mA<br>D=1000mA | 5K=5000K<br>6K=6000K<br>7K=7000K<br>730=3000K, 70CRI<br>740=4000K, 70CRI<br>750=5000K, 70CRI<br>760=6000K, 70CRI<br>827=2700K, 80CRI<br>830=3000K, 80CRI<br>AMB=Amber, 590nm,*** | A=120-277V<br>H=347V<br>J=480V<br>K=277V ***<br>L=347V ***<br>N=347V *** | T1S=Type I Short<br>T1R=Type II Roadway<br>T2=Type II<br>T2R=Type II Roadway<br>T4FT=Type IV Forward Throw<br>T4W=Type IV Wide<br>SL4=Type IV with Spill Control<br>SWQ=Type V Square Medium<br>SWQ=Type V Square Wide<br>SL3=Type III with Spill Control<br>SL4=Type IV with Spill Control | [blank]=Arm for Round or Square Pole<br>EA=Extended Arm**<br>DM=Direct Mount to Gleon**<br>WM=Wall Mount Arm<br>QM=Quick Mount Arm (Standard Length)**<br>QMEA=Quick Mount Arm (Extended Length)**<br>HSS=House Side Shield | AP=Grey<br>BR=Bronze<br>BK=Black<br>SP=Dark Platinum<br>GM=Graphite Metallic<br>WH=White |

Optical Distributions





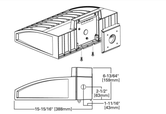

## WALL MOUNTED FIXTURE - Parking

LA-IVW

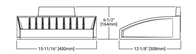
| | | | | | |
|---|---|---|---|---|---|
| Project | 27 High Street Poughkeepsie, NY | Catalog # | GWC-SA1A-730-U-T4W 12' Lens Height | Type | PARKING (Wall Mount) |
| Prepared by | LRC Group | Notes | 3000k Color Temp | Date | 03-05-21 |



**McGraw-Edison**
**GWC Galleon Wall**
Wall Mount Luminaire



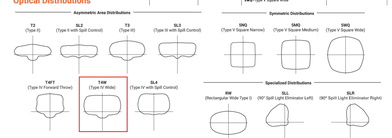

Dimensional Details




Ordering Information
SAMPLE NUMBER: GWC-SA2C-740-U-T4FT-GM
Color: TBD

| Product Family * | Light Engine: Configuration | Light Engine: Drive Current | Color Temperature | Voltage | Distribution | Finish |
|---|---|---|---|---|---|---|
| GWC-Galleon Wall | SA1=1 Square<br>SA2=2 Squares | A=350mA<br>B=530mA<br>C=700mA<br>D=1000mA<br>E=1200mA* | 730=3000K, 70CRI<br>740=4000K, 70CRI<br>750=5000K, 70CRI<br>760=6000K, 70CRI<br>827=2700K, 80CRI<br>830=3000K, 80CRI<br>AMB=Amber, 590nm** | A=120-277V<br>D=208V<br>E=240V<br>F=277V<br>H=347V **<br>J=480V ** | T2=Type II<br>T3=Type III<br>T4FT=Type IV Forward Throw<br>T4W=Type IV Wide<br>SL2=Type II with Spill Control<br>SL3=Type III with Spill Control<br>SL4=Type IV with Spill Control<br>SL1=15° Spill Light Eliminator Left<br>SLR=15° Spill Light Eliminator Right<br>RW=Rectangular Wide Type I<br>SWQ=Type V Square Narrow<br>SMQ=Type V Square Medium<br>SWQ=Type V Square Wide | AP=Grey<br>BR=Bronze<br>BK=Black<br>SP=Dark Platinum<br>GM=Graphite Metallic<br>WH=White |

Optical Distributions






## POLE MOUNTED FIXTURE - Ornamental

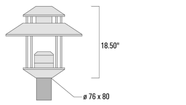
**ZA630-FT LED**
Street and Area Lighting

LB - Ornamental Pole Light (8' pole Height)

**we-ef**



**Description**
IP55. Post top luminaire with shielded light source and canopy highlight feature.




Configurations

| Light Distributions | Part ID | Light Source | Delivered Lumens | Rated Input Power | CRI | Weight | Link |
|---|---|---|---|---|---|---|---|
| symmetric distribution [C60] | 651-3023 | LED-FT-17W (3000K) | 1754 | 20 | 80 | 17.00 | |
| | 651-3024 | LED-FT-17W (4000K) | 1828.8 | 20 | 80 | 17.00 | |
| | 651-3025 | LED-FT-24W (3000K) | 2385.2 | 27 | 80 | 17.00 | |
| | 651-3026 | LED-FT-24W (4000K) | 2488.4 | 27 | 80 | 17.00 | |

Specifications

**Material Specification**

| | |
|---|---|
| Body: | Marine-grade, die-cast aluminium alloy |
| Lens: | Clear polycarbonate outer lens |
| Colours: | RAL9004 Black<br>RAL9007 Grey Metallic<br>RAL9016 White<br>RAL8019 Dark Bronze |
| ETL | ETL, UL-1598 equivalent, CSA-C22.2#250.0. Suitable for Wet Locations. |
| Quick Ship | Quickship features a one week ship time for Steplights and two week ship time for the rest of our Core products. All applicable information must be included for orders to be processed and colors must be in one of our 4 standard finishes. A maximum order quantity of 30 pieces applies. |
| Gasket: | Silicone rubber gasket |
| Fasteners: | PCS Polymer Coated Stainless Steel hardware |
| Ingress protection: | IP55 |
| Impact protection: | IK10 |
| Corrosion protection: | SCE |
| Surge protection: | In-line bracket 10kV Surge Protector |
| Mounting: | Luminaire requires a 2.99" diam x .15" long pole top tenon. Refer to mounting accessories for wall mount bracket and multiple luminaire assembly brackets. |
| Listings: | ETL, UL-1598, CSA-C22.2#250.0. Suitable for Wet Locations. |

**WE-EF LIGHTING USA LLC**
410 D Keystone Drive | Warrendale PA 15086 | U.S.A. | Tel +1 724 742 0030 | Fax +1 724 742 0035 | info.usa@we-ef.com | www.we-ef.com | 25-02-2021 11:53

## WALL MOUNTED FIXTURE - Patio & Exit Doors

**OLV334 LED**
622-6720

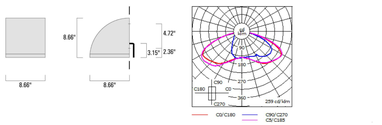
LC1 - Wall Light - Exit Doors and Patios

**we-ef**

**Description**
IP65. Surface mounted wallwasher. Suitable for installation over 4" recessed junction box in uplight or downlight position. Optional 2200 K version available. To be specified at time of ordering.



| | |
|---|---|
| **Beam Type** | [R65] Type IV Medium |
| **Light Source** | LED-12/12W / 350 mA - 3000 K |
| **CRI** | 80 |
| **Gear Type** | electronic gear |
| **Nominal Luminous Flux (lm)** | |
| LED Lumens | 134.5 lm |
| LEDs | 12 |
| Total Lumens | 1614 lm |
| Tj | 85 °C |
| **Delivered Lumens Flux (lm)** | |
| LED Lumens | 100.8 lm |
| Total Lumens | 1210 lm |
| Ta | 25 °C |
| **Rated Input Power** | 14 W |

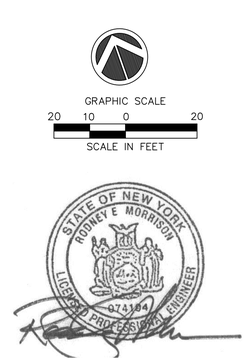



**Material Specification**

| | |
|---|---|
| Body: | Luminaire body and lens frame constructed in die cast aluminum. |
| Weight (lbs): | 6.60 |
| Lens: | Tempered glass lens. |
| Colours: | RAL9004 Black<br>RAL9007 Grey Metallic<br>RAL9016 White<br>RAL8019 Dark Bronze |
| Gasket: | Silicone rubber gasket |
| Fasteners: | PCS polymer coated stainless steel |
| Ingress protection: | IP65 |
| Impact protection: | IK07 |
| Corrosion protection: | SCE |
| Mounting: | Suitable for installation over a standard 4" recessed junction box. Luminaire can be mounted as an uplight, or downlight. |
| Listings: | ETL listed. Suitable for wet locations. |

**WE-EF LIGHTING USA LLC**
410 D Keystone Drive | Warrendale PA 15086 | U.S.A. | Tel +1 724 742 0030 | Fax +1 724 742 0035 | info.usa@we-ef.com | www.we-ef.com | 02-03-2021 19:38

GRAPHIC SCALE
20 10 0 20
SCALE IN FEET




| Revisions | | |
|---|---|---|
| No. | Date | |
| 1. | 2021-04-04 | REVISED PER COMMENTS |
| 2. | 2021-08-06 | REVISED PER COMMENTS |
| 3. | 2021-09-10 | REVISED PER COMMENTS |
| 4. | 2021-09-28 | REVISED PER COMMENTS |

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LRC Engineering and Surveying, LLC
LRC Environmental Services, Inc.
Land Resource Consultants, Inc.

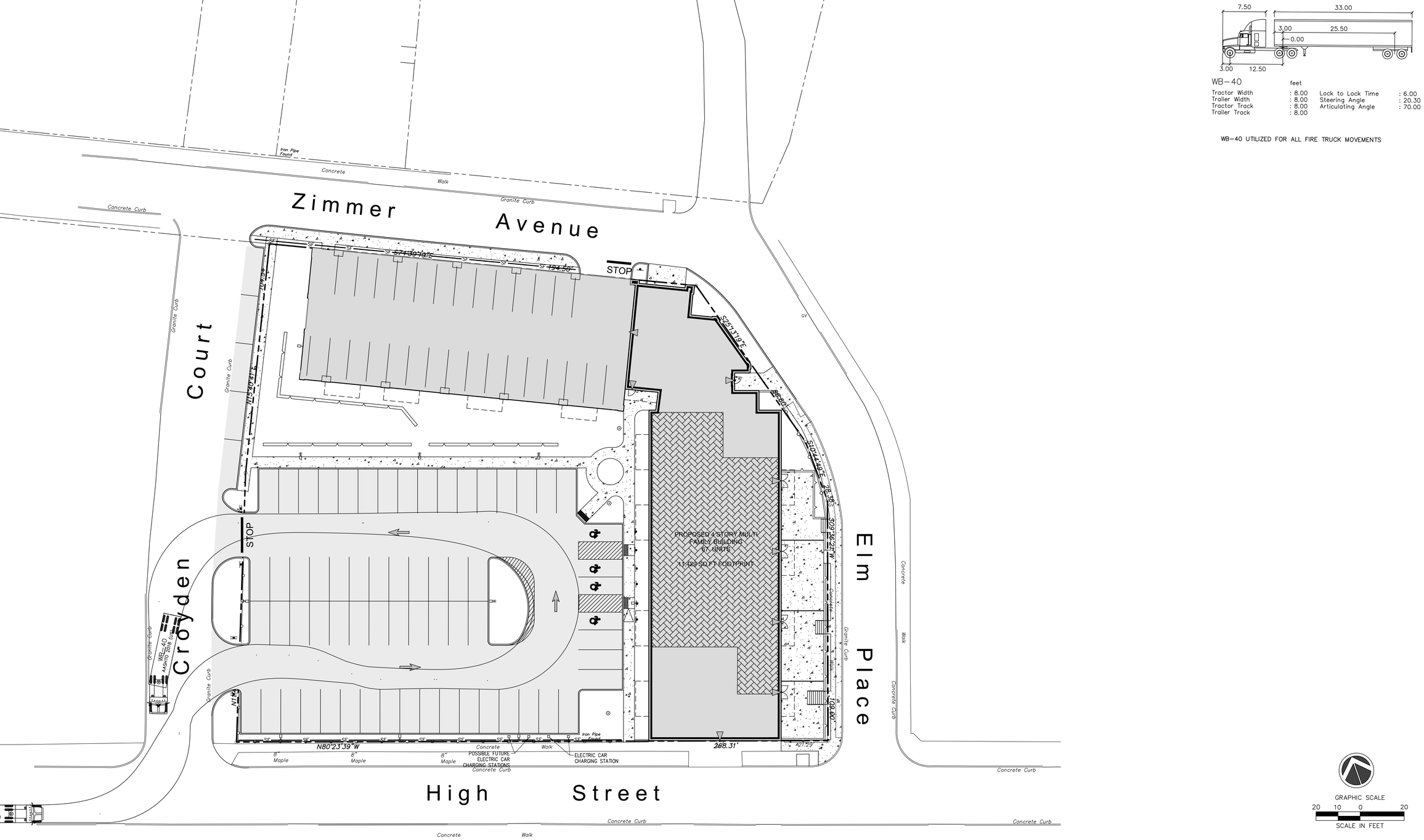
# LIGHTING PLAN

## RESIDENTIAL DEVELOPMENT

27 HIGH STREET
CITY OF POUGHKEEPSIE,
DUTCHESS COUNTY, NEW YORK

| | | | | |
|---|---|---|---|---|
| Design/Calcs | BS | CAD File | LP18227701.dwg | Sheet No. |
| Drawn | SMC | Project No. | 18-2277 | LP-1 |
| Checked | KFC | Date | 2021-04-02 | |
| Approved | REM | Scale | 1" = 20' | |

X:\JOBS\Jobs 2018\18-2277-Page Park — High Street\DWG\LP18227701.dwg







WB-40 feet

| | | | |
|---|---|---|---|
| Tractor Width | : 8.00 | Lock to Lock Time | : 6.00 |
| Trailer Width | : 8.00 | Steering Angle | : 20.30 |
| Tractor Track | : 8.00 | Articulating Angle | : 70.00 |
| Trailer Track | : 8.00 | | |

WB-40 UTILIZED FOR ALL FIRE TRUCK MOVEMENTS

GRAPHIC SCALE
20 10 0 20
SCALE IN FEET

STATE OF NEW YORK
RODNEY E MORRISON
071404
LICENSED PROFESSIONAL ENGINEER

| # | Date | Revisions |
|---|---|---|
| 1. | 2021-06-04 | REVISED PER COMMENTS |
| 2. | 2021-08-06 | REVISED PER COMMENTS |
| 3. | 2021-09-10 | REVISED PER COMMENTS |
| 4. | 2021-09-28 | REVISED PER COMMENTS |


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LRC Engineering and Surveying, DPC
LRC Engineering and Surveying, LLC
LRC Environmental Services, Inc.
Land Resource Consultants, Inc.


# TRUCK TURNING PLAN

## RESIDENTIAL DEVELOPMENT

27 HIGH STREET
CITY OF POUGHKEEPSIE,
DUTCHESS COUNTY, NEW YORK

| | | | | |
|---|---|---|---|---|
| Design/Calcs | BS | CAD File | TT18227701.dwg | Sheet No. |
| Drawn | SMC | Project No. | 18-2277 | TT-1 |
| Checked | KFC | Date | 2021-04-02 | |
| Approved | REM | Scale | 1"=20' | |

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# GENERAL NOTES

1. ALL CONSTRUCTION SHALL COMPLY WITH CITY OF POUGHKEEPSIE REQUIREMENTS AND SPECIFICATIONS.
2. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS REQUIRED BY GOVERNMENT AGENCIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL POST ALL BONDS, PAY ALL FEES, PROVIDE PROOF OF INSURANCE AND PROVIDE TRAFFIC CONTROL NECESSARY FOR THIS WORK.
3. REFER TO OTHER PLANS AND DETAIL SHEETS FOR ADDITIONAL INFORMATION. THE CONTRACTOR SHALL VERIFY ALL SITE CONDITIONS IN THE FIELD AND CONTACT THE SITE ENGINEER IF THERE ARE ANY QUESTIONS OR CONFLICTS REGARDING THE CONSTRUCTION DOCUMENTS AND / OR FIELD CONDITIONS SO THAT APPROPRIATE REVISIONS CAN BE MADE PRIOR TO BIDDING. ANY CONFLICT BETWEEN DRAWINGS AND THE SPECIFICATIONS SHALL BE CONFIRMED WITH THE LOCAL CONSTRUCTION MANAGER PRIOR TO BIDDING.
4. REFER TO THE DETAIL SHEETS FOR PAVEMENT, CURBING, AND SIDEWALK INFORMATION.
5. ALTERNATIVE METHODS AND PRODUCTS OTHER THAN THOSE SPECIFIED MAY BE USED IF REVIEWED AND APPROVED BY THE SITE ENGINEER, AND THE APPROPRIATE REGULATORY AGENCIES PRIOR TO INSTALLATION.
6. THE CONTRACTOR SHALL RESTORE ANY OF THE FOLLOWING IF THEY ARE NOTED TO REMAIN: UTILITY STRUCTURE, PIPE, UTILITY, PAVEMENT, CURBS, SIDEWALKS, OR LANDSCAPED AREAS DISTURBED DURING CONSTRUCTION TO THEIR ORIGINAL CONDITION OR BETTER TO THE SATISFACTION OF THE CITY OF POUGHKEEPSIE.
7. TRAFFIC CONTROL MEASURES SHALL BE UTILIZED IN ACCORDANCE WITH CITY OF POUGHKEEPSIE AND NYSDOT.
8. PAVEMENT MARKINGS SHALL BE FAST DRYING TYPE IN ACCORDANCE WITH CITY OF POUGHKEEPSIE SPECIFICATIONS.
9. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF ALL PRODUCTS, MATERIALS AND PLANT SPECIFICATIONS TO THE SITE ENGINEER AND OWNER FOR REVIEW AND APPROVAL PRIOR TO FABRICATION OR DELIVERY TO THE SITE. ALLOW A MINIMUM OF 14 WORKING DAYS FOR REVIEW. APPROVED SHOP DRAWINGS WILL BE PROVIDED BY THE PROJECT / ENGINEER AND COPIED TO THE CITY OF POUGHKEEPSIE.
10. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TRAFFIC DEVICES FOR PROTECTION OF VEHICLES AND PEDESTRIANS CONSISTING OF SIGNS, BARRIERS, SIGNS, LIGHTS, FENCES AND UNIFORMED TRAFFIC MEN AS REQUIRED OR ORDERED BY THE ENGINEER OR REQUIRED BY THE LOCAL GOVERNING AUTHORITIES. CONTRACTOR SHALL MAINTAIN ALL TRAFFIC LANES AND PEDESTRIAN WALKWAYS AT ALL TIMES UNLESS WRITTEN APPROVAL FROM THE CITY AND GOVERNING AUTHORITIES IS GRANTED.
11. THE PROJECT DRAWINGS ARE GENERALLY DIAGRAMMATIC IN INDICATING THE PRESENCE OF EXISTING UNDERGROUND UTILITIES. INFORMATION ON EXISTING UTILITIES HAS BEEN COMPILED FROM AVAILABLE INFORMATION INCLUDING UTILITY COMPANY AND MUNICIPAL RECORD MAPS AND FIELD SURVEY AND IS NOT GUARANTEED TO BE CORRECT OR COMPLETE. UTILITIES ARE SHOWN TO ALERT THE CONTRACTOR OF THEIR PRESENCE AND THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DETERMINING ACTUAL LOCATIONS AND ELEVATIONS OF ALL UTILITIES AND SERVICES. WHEN THE UTILITIES ARE TO BE LEFT IN PLACE, THE CONTRACTOR SHALL PROVIDE ADEQUATE MEANS OF SUPPORT AND PROTECTION DURING THE EXCAVATION AND BACKFILLING OPERATIONS.
12. PRIOR TO DEMOLITION OR CONSTRUCTION THE CONTRACTOR SHALL CONTACT "CALL BEFORE YOU DIG" AT 1-800-962-7962 AT LEAST 72 HOURS BEFORE COMMENCEMENT OF WORK TO VERIFY ALL UTILITY LOCATIONS. CONTRACTOR SHALL NOT INTERRUPT EXISTING UTILITIES SERVICING FACILITIES OCCUPIED AND USED BY THE OWNER OR OTHERS DURING OCCUPIED HOURS.
13. IF ANY UNCHARTED OR INCORRECTLY CHARTED EXISTING PIPING OR OTHER UTILITY IS UNCOVERED DURING EXCAVATION, THE CONTRACTOR SHALL CONSULT THE SITE ENGINEER IMMEDIATELY FOR DIRECTIONS BEFORE PROCEEDING FURTHER WITH THE WORK.
14. STORAGE OF FLAMMABLE AND HAZARDOUS MATERIALS SHALL BE IN COMPLIANCE WITH THE NYS FIRE AND BUILDING CODE.
15. CONTRACTOR TO PROVIDE SITE ENGINEER WITH SUBMITTALS. ONCE APPROVED, COPIES WILL BE SUPPLIED TO CITY ENGINEER AND APPROPRIATE CITY DEPARTMENTS.
16. IF BLASTING OPERATIONS ARE TO OCCUR WITHIN THE PORTION OF THE PROJECT, ALL WORK WILL BE PERFORMED IN ACCORDANCE WITH CODE CHAPTER 100 "EXPLOSIVES".
17. NO HERBICIDES OR PESTICIDES WILL BE USED DURING THE OPERATION OF THE SITE.

# STANDARD FIRE DEPARTMENT NOTES

1. FIRE HYDRANTS ARE TO BE INSTALLED, FLOW TESTED AND APPROVED BY BOTH CITY WATER DEPARTMENT AND APPROPRIATE FD PRIOR TO ANY COMBUSTIBLES BEING BROUGHT ONTO THE CONSTRUCTION SITE. HYDRANT LOCATIONS TO BE APPROVED BY FD. ALL HYDRANTS TO HAVE SNOW FLAGS AND NFPA COLOR BANDING SHOWING DEMONSTRATED FLOW CAPABILITIES. FLOW DATA FOR NEW AND EXISTING WATER MAINS TO BE PROVIDED TO CITY FIRE INSPECTOR AND FD.
2. THE NAME OF THE FIRE DISTRICT IN WHICH THE PROJECT IS LOCATED SHALL BE PROMINENTLY DISPLAYED ON THE MAP. FOR PROPERTIES BISECTED BY OR ADJACENT TO A FIRE DISTRICT BOUNDARY, THE LOCATION OF THE BOUNDARY SHALL BE DEPICTED ON THE PLAN WITH THE PROPER NAMES OF THE FIRE DISTRICTS SHOWN ALONG THE BOUNDARY LINE.
3. ALL FIRE PROTECTION SYSTEMS AND NOTIFICATION DEVICES TO BE DESIGNED, INSTALLED, TESTED AND MAINTAINED ACCORDING TO NYS CODE AND / OR THE APPROPRIATE NFPA STANDARD.
4. FIRE SPRINKLER AND / OR STANDPIPE SYSTEMS, FDC DESIGN, AND FIRE DETECTION SYSTEM DESIGNS ARE TO BE REVIEWED IN ADVANCE AND SIGNED OFF BY THE APPROPRIATE FD. FDC LOCATIONS TO BE SHOWN ON SITE PLAN AND APPROVED BY FD. FDC SIGNAGE DESIGN, WORDING AND INSTALLATION LOCATION AS APPROVED BY FD.
5. AN EMERGENCY APPARATUS/TRUCK MOVEMENT PLAN SHALL BE DEPICTED ON THE PROPOSED PLAN, USING APPARATUS SPECIFICATIONS PROVIDED BY THE FD.
6. ON ANY BUILDING WITH AN ALARM SYSTEM, OTHER THAN A SINGLE FAMILY RESIDENCE, A KNOX BOX SHALL BE OBTAINED THROUGH THE APPROPRIATE FD AND INSTALLED AT A LOCATION APPROVED BY THE FD. MASTER KEYS, ELEVATOR KEYS, AND/OR MAGNETIC SWIPE CARDS FOR ALL DOORS SHALL BE PROVIDED. TWO OR MORE COMPLETE SETS OF KEYS, OR AS APPROVED BY THE FD, SHALL BE PROVIDED FOR INSTALLATION IN THE BOX. THE KEY BOX SHALL BE OF SUFFICIENT SIZE TO ACCOMMODATE ALL OF THE REQUIRED KEYS. KNOX PADLOCKS, OR AN APPROVED ALTERNATIVE SHALL BE PROVIDED FOR FD ACCESS WHEN CONSTRUCTION GATES ARE IN PLACE.
7. ON ANY BUILDING WITH A FIRE ALARM SYSTEM, OTHER THAN A SINGLE FAMILY RESIDENCE, AN EXTERIOR STROBE LIGHT, CONNECTED TO THE FIRE ALARM SYSTEM SHALL BE INSTALLED AT A LOCATION APPROVED BY THE FIRE DEPARTMENT. A MECHANICAL WATER GONG, OR 110V, ELECTRONIC WATER FLOW BELL TO BE INSTALLED ON ALL SPRINKLER SYSTEMS, INDEPENDENT OF THE FIRE ALARM SYSTEM. LOCATION OF BELL TO BE NEAR FDC, OR AS OTHERWISE APPROVED BY FD.
8. ZONE MAPS TO BE INSTALLED ADJACENT TO ALL FIRE ALARM SYSTEM ENUNCIATOR PANELS. PROPOSED DISPLAY MESSAGES FOR ENUNCIATOR PANELS TO BE APPROVED IN ADVANCE BY THE APPROPRIATE FD.
9. ONE OR MORE SETS OF FIRE ALARM SYSTEM DESIGN DRAWINGS TO BE MAINTAINED AND KEPT AT THE ALARM PANEL. DRAWINGS TO SHOW ALL ALARM SYSTEM DEVICES, PLUS ANY ROOFTOP UNITS.
10. A REPRESENTATIVE OF THE FIRE DISTRICT SHALL BE PRESENT AT ANY PRE-CONSTRUCTION MEETINGS, AND THE FIRE DISTRICT SHALL BE PROVIDED NO LESS THAN 48 HOURS NOTICE OF ANY PERIODIC MEETINGS AND INSPECTIONS, INCLUDING ANY TESTING OF FIRE SAFETY DEVICES AND HYDRANTS.
11. ANY SPECIAL REQUIREMENTS AND FIELD CHANGES AGREED TO BY THE FIRE DISTRICT THAT ARE ABOVE THE NYS BUILDING RELATED CODES OR LOCAL CITY CODE, SHALL APPEAR ON THE FINAL SITE PLAN MAP, AND APPROPRIATELY HIGHLIGHTED.
12. ALL APPARATUS ACCESS ROADS AND/OR FIRE LANES TO BE EITHER BLACKTOP, CONCRETE OR AS APPROVED BY THE APPROPRIATE FD.
13. ALL ELEVATORS TO BE OF SUFFICIENT SIZE AND CAPACITY TO ACCOMMODATE A RECUMBENT PATIENT ON AN AMBULANCE STRETCHER, ATTENDED BY AN EMS CREW.
14. LIGHTWEIGHT TRUSS CONSTRUCTION SIGNAGE, AS DESCRIBED IN NYS CODE, TO BE INSTALLED FOR ALL BUILDING TYPES, EXCEPT FOR SINGLE FAMILY RESIDENCES.

# COMPACTION AND BACKFILL NOTES

UNLESS OTHERWISE SPECIFIED OR APPROVED BY THE SITE ENGINEER, ALL SITE SUBGRADE AND BACKFILL FOR ALL STRUCTURES INCLUDING, BUT NOT LIMITED TO, PARKING LOT SUBGRADE, ROAD SUBGRADE, CONCRETE PADS AND SIDEWALKS, WATER LINES AND STRUCTURES, SEWER LINES AND STRUCTURES, STORM LINES AND STRUCTURES, TRASH PADS / ENCLOSURES, AND SITE ELECTRICAL AND CONDUIT, SHALL BE COMPACTED IN ACCORDANCE WITH THE FOLLOWING STANDARD.

METHODS OF CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION (NYSDOT) STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, DATED MAY 1, 2008, AND ALL ADDENDA THERETO

# DECOMPACTION OF SOILS IN RECLAIMED AREAS:

THESE PROCEDURES SHALL BE FOLLOWED PRIOR TO INSTALLATION OF TOP SOIL OR INFILTRATION PRACTICES IN ANY AREA PREVIOUSLY IMPERVIOUS OR COMPACTED BY CONSTRUCTION EQUIPMENT. FOR ALL AREAS TO BE RECLAIMED FOR STORMWATER INFILTRATION, THE AREA SHALL BE MARKED OFF WITH ORANGE SAFETY FENCE AFTER DEMOLITION AND PRIOR TO DECOMPACTION TO PREVENT FURTHER COMPACTION OF THE UNDERLYING SOILS.

AREAS RECLAIMED AS TOP SOIL:

A. APPLY 3" OF COMPOST OVER SUBSOIL AFTER SUBGRADE LEVELS HAVE BEEN REACHED AND IMMEDIATELY PRIOR TO PLACING PLANTING SOILS.

B. THE ENTIRE SUBGRADE AREA SHALL BE LOOSENED TO A MINIMUM DEPTH OF 12 INCHES UTILIZING THE BUCKET OF A BACK HOE, CAT MOUNTED RIPPER, TILLER, OR EQUIVALENT EQUIPMENT. ROCK PICK UNTIL UPLIFTED STONE/ROCK MATERIAL OF FOUR INCHES AND LARGER SIZE HAVE BEEN CLEARED FROM THE SITE.

C. ANY SUBGRADE AREAS WHICH HAVE BECOME HEAVILY COMPACTED (DEFINED AS EXCEEDING 86%-88% COMPACTION ASTM 698 STANDARD PROCTOR) INCLUDING, BUT NOT LIMITED TO, TEMPORARY PARKING AREAS, MATERIAL STOCKPILE AREAS, TEMPORARY ROADWAYS, CONSTRUCTION AREAS AND AREAS AROUND THE BUILDING, OTHER CONSTRUCTION AREAS, AREAS SHOWN ON THE PLANS, OR AREAS IDENTIFIED BY THE DESIGN PROFESSIONAL SHALL BE DEEP-SCARIFIED. IMMEDIATELY PRIOR TO PLACING SOILS, HEAVILY COMPACTED AREAS SHALL BE LOOSENED TO A MINIMUM DEPTH OF 18 INCHES USING THE TEETH OF A BACK HOE OR OTHER SUITABLE EQUIPMENT. FREQUENCY OF COMPACTION TESTS SHALL BE ONE PER 500 SQUARE FEET.

D. CONFIRM THAT THE SUBGRADE IS AT THE PROPER ELEVATION AND THAT NO FURTHER EARTHWORK IS REQUIRED TO BRING THE SUBGRADE TO PROPER ELEVATIONS. PROVIDE A REPORT TO THE DESIGN PROFESSIONAL THAT THE SUBGRADE HAS BEEN PLACED TO THE REQUIRED ELEVATIONS, HAS BEEN DECOMPACTED ACCORDING TO THE CONTRACT DOCUMENTS AND IS READY FOR INSPECTION AT LEAST 3 DAYS PRIOR TO PLACING PLANTING SOIL. PERFORM NO WORK UNTIL ELEVATIONS HAVE BEEN CONFIRMED AND THE AREA HAS BEEN ACCEPTED BY THE OWNER'S REPRESENTATIVE.

E. AFTER THE SOILS HAVE BEEN LOOSENED AND INSPECTED, TOPSOIL MAY BE SPREAD BY USING A WIDE-TRACK BULLDOZER SIZE D-5 OR SMALLER OR MAY BE DUMPED AND SPREAD WITH THE BUCKET OF A BACKHOE FROM THE EDGE OF THE LOOSENED AREA. NO RUBBER-TIRED EQUIPMENT OR HEAVY EQUIPMENT EXCEPT FOR A SMALL BULLDOZER SHALL PASS OVER THE SUBSOILS (SUBGRADE) AFTER THEY HAVE BEEN LOOSENED. IF THE CONTRACTOR PLANS TO UTILIZE SUCH AREAS FOR ANY USE OF HEAVY EQUIPMENT, THIS SHOULD BE CARRIED OUT PRIOR TO BEGINNING THE PROCESS OF LOOSENING SOILS OR FILLING IN THAT AREA, OR IT WILL HAVE TO BE RESCARIFIED AND MEET THIS SPECIFICATION REQUIREMENT.

AREAS RECLAIMED FOR STORMWATER INFILTRATION PRACTICES:

A. EXCAVATE AREA TO THE DEPTH OF THE PROPOSED BOTTOM OF THE INFILTRATION PRACTICE.

B. THE ENTIRE SUBGRADE AREA SHALL BE LOOSENED TO A MINIMUM DEPTH OF 12 INCHES BELOW PROPOSED SUBGRADE UTILIZING THE BUCKET OF A BACK HOE, CAT MOUNTED RIPPER, TILLER, OR EQUIVALENT EQUIPMENT. ROCK PICK UNTIL UPLIFTED STONE/ROCK MATERIAL OF FOUR INCHES AND LARGER SIZE HAVE BEEN CLEARED FROM THE SITE.

C. ANY SUBGRADE AREAS WHICH REMAIN HEAVILY COMPACTED (DEFINED AS EXCEEDING 86%-88% COMPACTION ASTM 698 STANDARD PROCTOR), AS SHOWN ON THE PLANS, OR AREAS IDENTIFIED BY THE DESIGN PROFESSIONAL SHALL BE DEEP-SCARIFIED. IMMEDIATELY PRIOR TO PLACING SOILS, HEAVILY COMPACTED AREAS SHALL BE LOOSENED TO A MINIMUM DEPTH OF 18 INCHES USING THE TEETH OF A BACK HOE OR OTHER SUITABLE EQUIPMENT. FREQUENCY OF COMPACTION TESTS SHALL BE ONE PER 500 SQUARE FEET.

D. CONFIRM THAT THE SUBGRADE IS AT THE PROPER ELEVATION AND THAT NO FURTHER EARTHWORK IS REQUIRED TO BRING THE SUBGRADE TO PROPER ELEVATIONS. PROVIDE A REPORT TO THE DESIGN PROFESSIONAL THAT THE SUBGRADE HAS BEEN PLACED TO THE REQUIRED ELEVATIONS, HAS BEEN DECOMPACTED ACCORDING TO THE CONTRACT DOCUMENTS AND IS READY FOR INSPECTION AT LEAST 3 DAYS PRIOR TO PLACING INFILTRATION PRACTICES. PERFORM NO WORK UNTIL ELEVATIONS HAVE BEEN CONFIRMED AND THE AREA HAS BEEN ACCEPTED BY THE OWNER'S REPRESENTATIVE.

E. AFTER THE SOILS HAVE BEEN LOOSENED AND INSPECTED, INFILTRATION PRACTICES MAY BE INSTALLED USING A WIDE-TRACK BULLDOZER SIZE D-5 OR SMALLER OR MAY BE PLACED, DUMPED, OR SPREAD WITH THE BUCKET OF A BACKHOE FROM THE EDGE OF THE LOOSENED AREA. NO RUBBER-TIRED EQUIPMENT OR HEAVY EQUIPMENT EXCEPT FOR A SMALL BULLDOZER SHALL PASS OVER THE SUBSOILS (SUBGRADE) AFTER THEY HAVE BEEN LOOSENED. IF THE CONTRACTOR PLANS TO UTILIZE SUCH AREAS FOR ANY USE OF HEAVY EQUIPMENT, THIS SHOULD BE CARRIED OUT PRIOR TO BEGINNING THE PROCESS OF LOOSENING SOILS OR FILLING IN THAT AREA, OR IT WILL HAVE TO BE RESCARIFIED AND MEET THIS SPECIFICATION REQUIREMENT.

F. WHEN INFILTRATION PRACTICES ARE LOCATED BELOW PAVEMENT THE AREA SHALL REMAIN FREE OF LARGE VEHICLES UNTIL THE PAVEMENT SUBBASE HAS BEEN INSTALLED.

G. FOR REFERENCE OF DECOMPACTION NOTES, SEE NYS DESIGN MANUAL SECTION 5.1.6 FOR DEEP RIPPING AND DECOMPACTION OF EXISTING AREAS THAT ARE PROPOSED FOR RESTORATION.

# CITY OF POUGHKEEPSIE EROSION AND SILTATION CONTROL NOTES

1. All unvegetated areas in excess of 10% per direction of the Engineer, shall have temporary seeding of fast germinating rye, 10 to 15 #'s per 1,000 sq. ft.
2. Graded areas – upper elevations: Provide temporary drainage swales, 1% grade min., to direct runoff away from construction sites. Discharge areas to be acceptable to the Engineer.
3. Graded areas – lower elevations: Provide drainage swales, 1% min. grades, with staked and secured hay bale siltation. Location of hay bales and discharge areas per approval of Engineer.
4. Permanent seeded areas for erosion control: Mixture of perennial rye and blue and red fescue grasses (50/50), 15 to 25 #'s per 1,000 sq. ft., mulching at 5#'s per 1,000 sq. ft., fertilizer – 5.10.5 at 5#'s per 1,000 sq. ft. (if determined necessary by Engineer), with pegging and netting for grades in excess of 15%.
5. All permanent drainage interceptor swales to be seeded per Item 4 also.
6. All erosion control shall be in accordance with the latest "Urban Erosion and Sediment Control Guidebook" of the Dutchess County Soil and Water Conservation District.
7. All areas shall be seeded and mulched as soon as possible.
8. Grade as needed and feasible to permit the use of conventional equipment for seed bed preparation, seeding and mulch application.
9. Scarify all compacted soils prior to applying topsoil.
10. Apply topsoil per Standard #6 Table 6.1 of the Soil Erosion Control Guide Book.
11. Seed mix shall be as follows:
    Ky. Blue grass 20 lbs/ac.
    Creeping Red Fescue 40 lbs/ac.

# CITY OF POUGHKEEPSIE WATER NOTES

1. ALL WATER MAINS SHALL BE CEMENT LINED DUCTILE IRON PIPE, CLASS 52 PUSH-ON JOINT, UNLESS OTHERWISE SPECIFIED BY OR APPROVED BY THE CITY OF POUGHKEEPSIE WATER DEPARTMENT. JOINTING SHALL EMPLOY "MEGALUG" CONNECTIONS, FIELD LOCK GASKET, OR AS ALTERNATIVELY SPECIFIED BY THE CITY OF POUGHKEEPSIE WATER DEPARTMENT. ALL WATER PIPING CONSTRUCTION SHALL BE TO THE SPECIFICATIONS OF THE CITY OF POUGHKEEPSIE WATER DEPARTMENT. WET TAP OF PUBLIC WATER SYSTEM SHALL BE APPROVED AND SUPERVISED BY THE CITY OF POUGHKEEPSIE WATER DEPARTMENT. TAPPING SLEEVE SHALL BE STAINLESS STEEL OR APPROVED EQUAL. ALL MAINLINE VALVES SHALL BE RESILIENT WEDGE OR APPROVED EQUAL.
2. THE WATER LINE MAY BE FLEXED WITHIN PIPE SPECIFICATIONS OR LAID DEEPER IN AREAS WHERE A CROSSING WITH A SANITARY SEWER OCCURS, TO ACHIEVE THE REQUIRED 18" VERTICAL SEPARATION DISTANCE. IF THIS DISTANCE CANNOT BE REASONABLY ACHIEVED, THE CONTRACTOR SHALL USE PRESSURE RATED SANITARY PIPE OF EQUAL OR GREATER RATING THAN THE PRESSURE CLASS FOR THE WATER LINE.
3. MINIMUM VERTICAL SEPARATION BETWEEN WATER MAINS AND SEWER PIPE SHALL BE 18 INCHES MEASURED FROM THE OUTSIDE OF THE PIPES AT THE POINT OF CROSSING. ONE FULL STANDARD LAYING LENGTH OF WATER MAIN SHALL BE CENTERED UNDER OR OVER THE SEWER SO THAT BOTH JOINTS WILL BE AS FAR FROM THE SEWER LINE AS POSSIBLE. IN ADDITION, WHEN THE WATER MAIN PASSES UNDER A SEWER, ADEQUATE STRUCTURAL SUPPORT (COMPACTED SELECT FILL) SHALL BE PROVIDED FOR THE SEWER TO PREVENT EXCESSIVE DEFLECTION OF JOINTS AND SETTLING OF THE SEWER PIPE ON THE WATER MAIN. MINIMUM HORIZONTAL SEPARATION BETWEEN PARALLEL WATER MAINS AND SEWER PIPES (INCLUDING MANHOLES AND VAULTS) SHALL BE 10 FEET MEASURED FROM THE OUTSIDE OF THE PIPES, MANHOLES, OR VAULTS.
4. ALL WATER MAINS SHALL HAVE A MINIMUM OF (5) FIVE FEET OF COVER FROM THE TOP OF THE MAIN TO FINISHED GRADE. THE CONTRACTOR SHALL CHECK ALL FINISHED GRADE STAKES BEFORE TRENCHING TO ENSURE THAT ALL INSTALLED WATER MAINS WILL HAVE THE REQUIRED COVER.
5. THE SUPPLIER OF WATER MUST RECEIVE AT LEAST 48-HOUR ADVANCE NOTIFICATION REQUESTING SAMPLING SERVICES. SAMPLING WILL NOT BE PERFORMED PRIOR TO RECEIPT FROM A NEW YORK STATE LICENSED OR REGISTERED DESIGN PROFESSIONAL (ENGINEER, ARCHITECT, OR LAND SURVEYOR WITH A SPECIAL EXEMPTION UNDER SECTION 7208(N) OF THE EDUCATION LAW) CERTIFYING THAT THE WATER SUPPLY IMPROVEMENTS, TESTING AND DISINFECTION PROCEDURES WERE COMPLETED IN ACCORDANCE WITH THE APPROVED PLANS, REPORTS, SPECIFICATIONS, AND ANY APPROVED AMENDMENTS. A NYSDOH CERTIFIED LABORATORY WILL COLLECT SAMPLES FOR FREE CHLORINE RESIDUAL, TOTAL, AND FECAL COLIFORM AND 24-HOUR BACTERIAL PLATE COUNT. THE CERTIFICATE OF COMPLIANCE, TESTING, AND SAMPLING RESULTS SHALL BE PROVIDED TO THE CITY WATER MAINTENANCE SUPERVISOR AND DUTCHESS COUNTY DEPARTMENT OF HEALTH AS A CONDITION OF APPROVAL FOR OPERATION.
6. THE CONTRACTOR SHALL COORDINATE THE TESTING WITH THE WATER DEPARTMENT SO AS TO MAINTAIN THE AMOUNT OF SERVICE INTERRUPTION TO EXISTING USERS TO THE LEAST EXTENT PRACTICABLE. WATER MAIN INSTALLATION AND TESTING SHALL BE PERFORMED UNDER THE SUPERVISION OF THE PROJECT ENGINEER OR HIS DESIGNEE AS NECESSARY TO MEET CONDITIONS IN NOTE 5 ABOVE.
7. THE WATER MAIN SHALL BE PRESSURE LEAKAGE TESTED IN ACCORDANCE WITH THE MINIMUM REQUIREMENTS OF THE AWWA STANDARD C600 (LATEST REVISION) OR IN ACCORDANCE WITH MORE STRINGENT REQUIREMENTS IMPOSED BY THE SUPPLIER OF WATER. TEST TO FIRST VALVE WITHIN BUILDING.
8. THE WATER MAIN SHALL BE DISINFECTED EQUAL TO AWWA STANDARD FOR DISINFECTING WATER MAINS DESIGNATION C651 (LATEST REVISION). FOLLOWING DISINFECTION, THE WATER MAIN SHALL BE FLUSHED UNTIL THE CHLORINE CONCENTRATION IN THE WATER LEAVING THE MAIN IS NO HIGHER THAN THAT GENERALLY PREVAILING IN THE SYSTEM. THE PROJECT ENGINEER OR THEIR DESIGNEE SHALL ALSO WITNESS DISINFECTION AND FLUSHING.
9. ALL WATER MAIN FITTINGS NOT RECEIVING 24-HOUR CHLORINE DISINFECTION CONTACT TIME MUST BE SWAB-DISINFECTED 30 MINUTES PRIOR TO INSTALLATION.
10. THE SAMPLING POINT(S) MUST BE DECONTAMINATED BY FLAMING.
11. FIRE HYDRANTS ARE NOT ACCEPTABLE SAMPLING POINTS, UNLESS OTHERWISE APPROVED BY SITE ENGINEER AND CITY OF POUGHKEEPSIE WATER DEPARTMENT.
12. FIRE HYDRANT WEEP HOLES (DRAINS) SHALL BE PLUGGED WHEN GROUND WATER IS ENCOUNTERED WITHIN SEVEN FEET OF THE FINISHED GRADE. WHEN DRAINS ARE PLUGGED, THE BARRELS MUST BE PUMPED DRY AFTER USE DURING FREEZING WEATHER. SUCH HYDRANTS SHALL BE IDENTIFIED BY MARKINGS AS APPROVED BY THE CITY OF POUGHKEEPSIE.
13. PROPOSED WATER METERS LOCATED WITHIN THE METER PIT OR BUILDING SHALL BE A COMPATIBLE REMOTE STYLE TYPE (SENSUS), AND SHALL BE APPROVED BY THE CITY OF POUGHKEEPSIE WATER DEPARTMENT PRIOR TO INSTALLATION. WATER METER SHALL BE EQUIPPED WITH (RADIO TYPE REMOTE READER) TRANSCEIVER PROVIDED BY METER MANUFACTURER AND INSTALLED AND PROGRAMMED BY THE CITY OF POUGHKEEPSIE WATER DEPARTMENT.
14. THE WATER LINE SHALL BE INSTALLED AT A CONTINUOUS GRADE WITH NO ABRUPT HIGH POINTS OR LOW POINTS.
15. FINAL WATER DISTRIBUTION SYSTEM AND CERTIFICATION IS SUBJECT TO REVIEW, REVISION AND APPROVAL BY THE CITY OF POUGHKEEPSIE WATER DEPARTMENT AND THE DCDOH PRIOR TO APPROVAL TO OPERATE.
16. ALL WATER MAINS AND RELATED APPURTENANCES SHALL BE CONSTRUCTED TO THE LATEST STANDARDS AND SPECIFICATIONS OF THE CITY OF POUGHKEEPSIE.
17. THE WATER MAIN SHALL NOT BE PLACED INTO SERVICE UNTIL SO AUTHORIZED BY THE CITY OF POUGHKEEPSIE.
18. ALL WATER SERVICE CONSTRUCTION SHALL BE SUBJECT TO INSPECTION BY THE CITY / WATER DEPARTMENT PRIOR TO BACKFILLING. BEDDING AND PIPE ZONE MATERIAL SHALL BE COMPOSED OF CRUSHED STONE OR LIGHT GRAVEL HAVING A GRADATION LIMIT OF 3/4" MINUS. AN ACCEPTABLE MATERIAL SHALL MEET THE FOLLOWING REQUIREMENT:

| SIEVE DESIGNATION | % PASSING |
|---|---|
| 3/4" | 100 |
| NO.40 | 0-70 |
| NO. 200 | 0-10 |

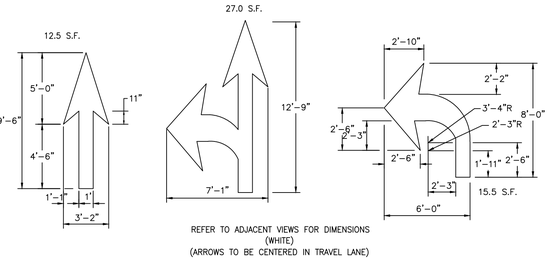
19. TRENCH BACKFILL SHALL BE WELL-GRADED SOIL AND GRAVEL MATERIAL. ALL PARTICLES SHALL HAVE A GRADATION OF 2" OR LESS. AN ACCEPTABLE MATERIAL SHALL MEET THE FOLLOWING REQUIREMENT:

| SIEVE DESIGNATION | % PASSING |
|---|---|
| 2 INCH | 100 |
| 1/4 INCH | 30-65 |
| NO. 40 | 5-40 |
| NO. 200 | 0-15 |

20. BEDDING AND BACKFILL MATERIAL SHALL BE STOCKPILED IN AMOUNTS NECESSARY FOR REASONABLE BACKFILLING REQUIREMENTS. A SIEVE ANALYSIS OF BEDDING OR BACKFILL MAY BE REQUIRED AT THE REQUEST OF THE CITY OF POUGHKEEPSIE.
21. THE SITE UTILITY CONTRACTOR SHALL BE RESPONSIBLE FOR ALL BURIED PIPING TO THE LOCATION OF THE PROPOSED BUILDING CONNECTION POINT (I.E. INSIDE THE BUILDING). THIS INCLUDES THE TESTING AND CERTIFICATION OF ALL WATER SERVICE WORK FROM THE CITY / WATER CONNECTION POINT TO THE PROPOSED BUILDINGS INTERIOR CONNECTION POINT.
22. INDICATOR TAPE SHALL BE PLACED 12" BELOW FINISHED GRADE DIRECTLY ABOVE ALL WATERLINES.
23. ALL COPPER WATER SERVICE PIPING INSTALLATION, BACKFILL AND TESTING SHALL BE REVIEWED AND APPROVED BY THE CITY POUGHKEEPSIE WATER MAINTENANCE SUPERVISORS OR THEIR DESIGNEE. BEDDING, PIPE ZONE, AND BACKFILL MATERIAL MUST BE SAND ONLY.
24. THE PIPE SUPPORTS FOR THE METER PIT SHALL BE MADE OF GALVANIZED STEEL AND SHALL BE ADJUSTABLE. THE SUPPORTS ARE TO BE PLACED ONLY BENEATH SPOOL PIECES AND NOT UNDER CRITICAL EQUIPMENT, METERS, ETC.
25. THREE AS-BIULT DRAWINGS WHICH INCLUDE VERIFICATION OF THE WATER INFRASTRUCTURE WILL BE PROVIDED TO THE PLANNING DEPARTMENT FOR DISSEMINATION TO THE ENGINEERING AND WATER DEPARTMENTS PRIOR TO ANY EASEMENT DEDICATION TO THE CITY AND OR .

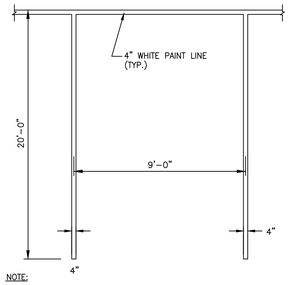
# CITY OF POUGHKEEPSIE SANITARY SEWER NOTES

1. FLOOR DRAINS, IF CONSTRUCTED, SHALL BE CONNECTED TO THE SANITARY SEWER. FLOOR DRAINS DO NOT INCLUDE FOUNDATION/FOOTER DRAIN. ALL DISCHARGES TO THE SANITARY SEWER SHALL COMPLY WITH THE EFFLUENT LIMITS OF THE LOCAL AND DUTCHESS COUNTY SANITARY CODE.
2. DEFLECTION TESTS SHALL BE PERFORMED ON ALL FLEXIBLE PIPES. THE TESTS SHALL BE CONDUCTED AFTER FINAL BACKFILL HAS BEEN IN PLACE AT LEAST 5 DAYS. NO PIPE SHALL EXCEED A DEFLECTION OF 5%. IF THE DEFLECTION TEST IS TO BE RUN USING A RIGID BALL OR MANDREL, IT SHALL HAVE A DIAMETER EQUAL TO 95% OF THE INSIDE DIAMETER OF THE PIPE. THE TEST SHALL BE PERFORMED WITHOUT MECHANICAL PULLING DEVICES.
3. SANITARY SEWERS AND APPURTENANCES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF THE CITY OF POUGHKEEPSIE. ALL SANITARY SEWER SYSTEM COMPONENTS SHALL BE INSTALLED BY OR UNDER THE SUPERVISION OF A CITY OF POUGHKEEPSIE LICENSED PLUMBER IN ACCORDANCE WITH THE CITY / PLUMBING CODE.
4. MAJOR EARTHWORK SHALL BE COMPLETED PRIOR TO INSTALLATION OF ANY SANITARY SEWER MAINS AND APPURTENANCES. AIR CONNECTING SEWER LINES SHALL BE FLUSHED BEFORE TESTED.
5. MAXIMUM ALLOWABLE INFILTRATION OR EXFILTRATION SHALL NOT EXCEED 100 GALLONS PER INCH DIAMETER PER MILE OF PIPE PER DAY FOR THE SANITARY SEWER. IF AN AIR TEST IS USED, THE TEST, AS A MINIMUM, SHALL CONFORM TO THE PROCEDURE DESCRIBED IN THE ASTM -F-1417 (1992) ENTITLED "STANDARD PRACTICE FOR INSTALLATION ACCEPTANCE OF GRAVITY SEWER LINES USING LOW PRESSURE AIR" (RE-APPROVED 1998). SANITARY MANHOLES SHALL BE VISUALLY INSPECTED AND TESTED FOR LEAKAGE BY EXFILTRATION OR VACUUM. VACUUM TESTING OF MANHOLES SHALL COMPLY WITH THE METHOD OUTLINED IN THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION TECHNICAL INFORMATION PAMPHLET (TIP) NO.15 (REVISED).
6. SANITARY SEWER MAINS ARE TO BE POLYVINYL CHLORIDE (PVC) AND SANITARY LATERALS SHALL BE PVC, SDR-35, UNLESS OTHERWISE NOTED.
7. FINAL SEWER COLLECTION SYSTEM LAYOUT IS SUBJECT TO REVIEW, REVISION AND APPROVAL BY THE CITY OF POUGHKEEPSIE SEWER DEPARTMENTS.
8. ALL SANITARY PIPE AND/OR MANHOLES SHALL BE A MINIMUM OF TEN (10) HORIZONTAL FEET FROM THE WATER MAIN. SANITARY PIPE SHALL HAVE A MINIMUM 18" SEPARATION FROM ANY WATER MAIN OR WATER SER



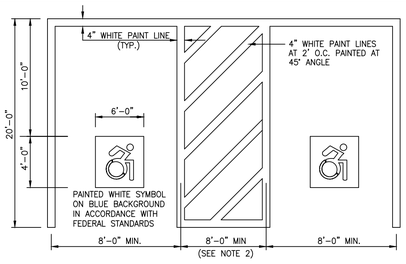

REFER TO ADJACENT VIEWS FOR DIMENSIONS (WHITE)
(ARROWS TO BE CENTERED IN TRAVEL LANE)

1 DN-1 **PAVEMENT ARROW DETAILS**
NOT TO SCALE



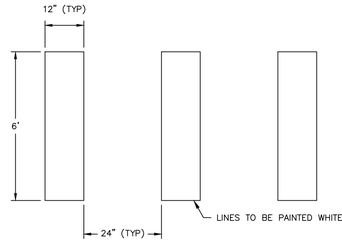

NOTE:
1. PROVIDE 2 COATS OF PAINT ON ALL SURFACES.
2. SEE PLAN FOR ACTUAL SPACE LOCATION AND DIMENSIONS.

2 DN-1 **TYPICAL PARKING SPACE DETAIL**
NOT TO SCALE



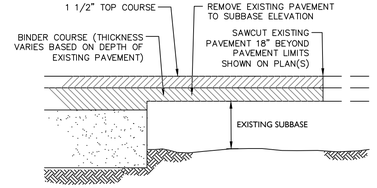

NOTES:
1. SEE SITE PLAN FOR ACCESSIBLE SPACE LOCATION AND DIMENSIONS.
2. PROVIDE 2 COATS OF PAINT ON ALL SURFACES.

3 DN-1 **TYPICAL ACCESSIBLE PARKING SPACE DETAIL**
NOT TO SCALE

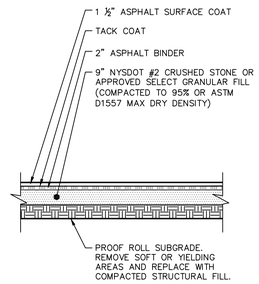



1. PROVIDE TWO COATS OF PAINT ON ALL SURFACES.
2. SEE PLANS FOR LOCATION OF CROSSWALKS.
3. LADDER CROSSWALK (NYSDOT TYPE L).

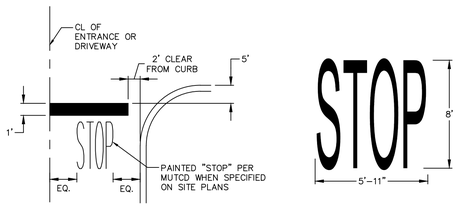
4 DN-1 **PAINTED CROSSWALK STRIPING**
NOT TO SCALE




5 DN-1 **PAVEMENT TRANSITION DETAIL**
NOT TO SCALE



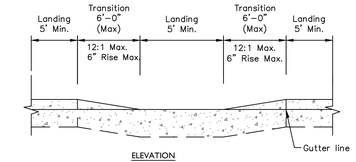

6 DN-1 **STANDARD ASPHALT PAVING**
NOT TO SCALE



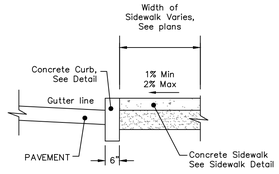




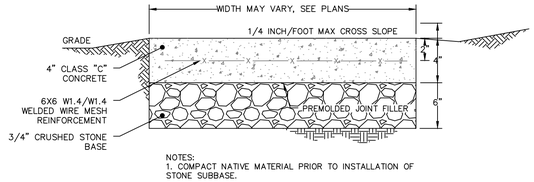
7 DN-1 **STOP BAR DETAILS**
NOT TO SCALE




ELEVATION

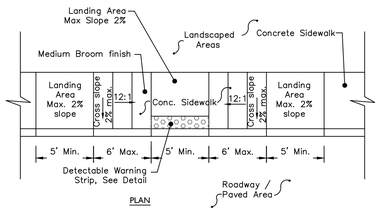



SECTION

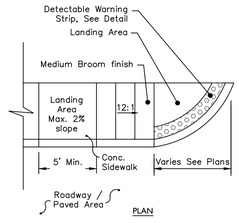



NOTES:
1. COMPACT NATIVE MATERIAL PRIOR TO INSTALLATION OF STONE SUBBASE.

8 DN-1 **SIDEWALK DETAIL**
NOT TO SCALE

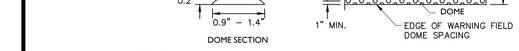



PLAN




PLAN

3A DN-1 **HANDICAP RAMP**
NOT TO SCALE

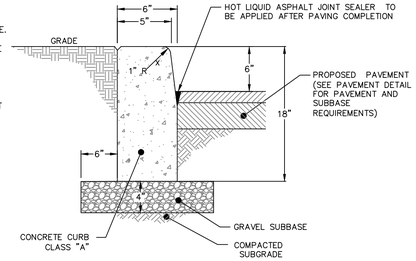



DOME SECTION

NOTES:

1. THE DETAILS PROVIDED ARE NOT DRAWN TO SCALE, THE QUANTITY OF DOMES DEPICTED ON THE DETECTABLE WARNING UNIT (THE DOMES AND THE ENTIRE 24" LEVEL SURFACE) IS FOR ILLUSTRATION ONLY.
2. THE SIZE OF THE DETECTABLE WARNING FIELD SHALL BE 24" IN THE DIRECTION OF TRAVEL AND SHALL EXTEND THE FULL WIDTH OF THE CURB RAMP OR FLUSH SURFACE.
3. THE ROWS OF DOMES SHALL BE ALIGNED TO BE PERPENDICULAR OR RADIAL TO THE GRADE BREAK BETWEEN THE RAMP LANDING OR CURB RAMP AND THE STREET.
4. WHERE DOMES ARE ARRAYED RADIALLY THEY MAY DIFFER IN DOME DIAMETER AND CENTER-TO- CENTER SPACING WITHIN THE RANGES SPECIFIED ON THIS SHEET.
5. THE DETECTABLE WARNING FIELD SHALL BE THE COLOR SPECIFIED IN THE CONTRACT DOCUMENTS OR MEET THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS.
6. DETECTABLE WARNING SHALL BE LOCATED SO THAT THE EDGE OR CORNER OF THE WARNING FIELD NEAREST TO THE ROADWAY IS 5" TO 9" FROM THE FRONT OF THE CURB OR THE ROADWAY EDGE (12" WHERE TRAVERSABLE CURB IS USED). INSTALL THE DETECTABLE WARNING FIELD BEHIND THE FLUSH CURB.
7. THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO A RAILROAD CROSSING SHALL BE 6'-0" MINIMUM AND 15'-0" MAXIMUM FROM THE CENTERLINE OF THE NEAREST RAIL.

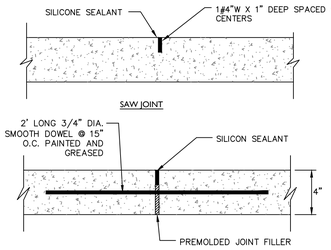
9 DN-1 **DETECTABLE WARNING STRIP**
NOT TO SCALE




NOTES:

1. COMPACT NATIVE MATERIAL PRIOR TO INSTALLATION OF STONE SUBBASE. SEE NOTE SHEET NS-1 FOR COMPACTION REQUIREMENTS.

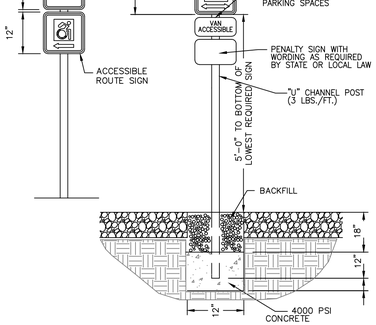
10 DN-1 **ON-SITE CONC. CURB**
NOT TO SCALE



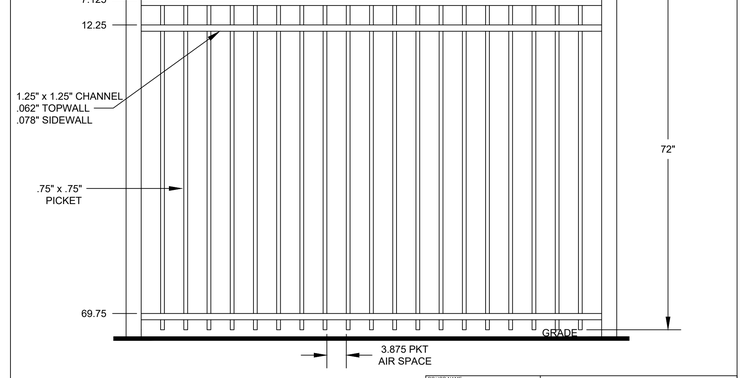

EXPANSION JOINT

NOTES:
1. CONSTRUCTION SAW JOINT TO BE PROVIDED EVERY 5 FEET WITH AN EXPANSION JOINT EVERY 20 FEET.
2. PROVIDE EXPANSION JOINT AT TOP AND BOTTOM OF CURB RAMP.

11 DN-1 **CONSTRUCTION JOINT**
NOT TO SCALE



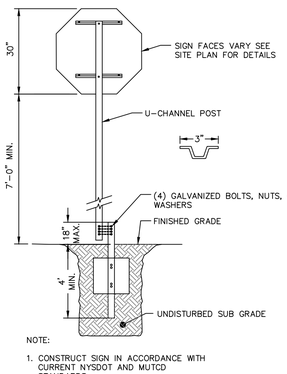

12 DN-1 **ACCESSIBLE PARKING & ACCESS SIGNS**
NOT TO SCALE




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PROJOB NAME: **BARRETTE** Outdoor Living
DESCRIPTION: 91.75" PANEL BELMONT 3-CH 72" CONCEALED FASTNER
DRAWN: scurran
DATE: 8/3/2021
APPROVAL SIGNATURE (REQUIRED):
PART NUMBER: DN18227701

15 DN-1 **ORNAMENTAL FENCE DETAIL**
NOT TO SCALE

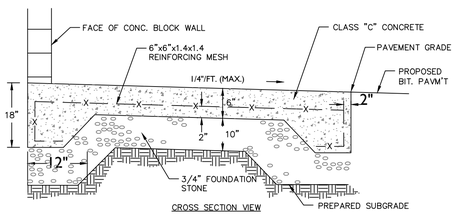



NOTE:

1. CONSTRUCT SIGN IN ACCORDANCE WITH CURRENT NYSDOT AND MUTCD STANDARDS.

13 DN-1 **SIGN DETAIL**
NOT TO SCALE

NOTE: "STOP" SIGNS PLACED BACK-TO-BACK WITH "DO NOT ENTER" SIGNS SHOULD BE INCREASED IN SIZE TO ALLOW THE DO NOT ENTER SIGNS TO STAY WITHIN THE EDGES OF THE "STOP" SIGN OR THE SIGNS SHOULD BE PLACED ON SEPARATE SIGN POSTS




CROSS SECTION VIEW

14 DN-1 **HEAVY DUTY CONCRETE PAVING AND DUMPSTER PAD DETAIL**
NOT TO SCALE




| # | Date | Revisions |
|---|---|---|
| 1. | 2021-06-04 | REVISED PER COMMENTS |
| 2. | 2021-08-06 | REVISED PER COMMENTS |
| 3. | 2021-09-10 | REVISED PER COMMENTS |
| 4. | 2021-09-28 | REVISED PER COMMENTS |

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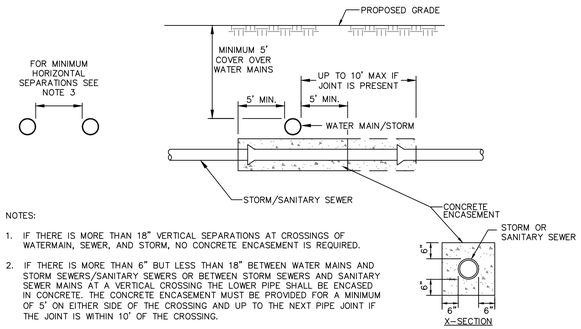
# SITE DETAILS

## RESIDENTIAL DEVELOPMENT

27 HIGH STREET
CITY OF POUGHKEEPSIE,
DUTCHESS COUNTY, NEW YORK

| | | | | |
|---|---|---|---|---|
| Design/Calcs | BS | CAD File | DN18227701.dwg | Sheet No. |
| Drawn | SMC | Project No. | 18-2277 | DN-1 |
| Checked | KFC | Date | 2021-04-02 | |
| Approved | REM | Scale | NTS | |

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NOTES:

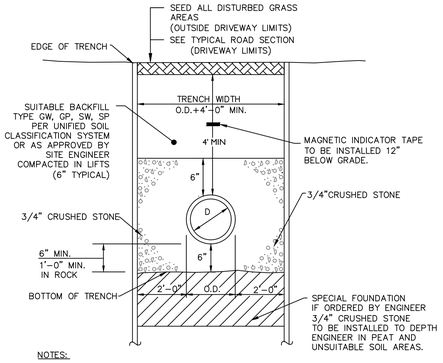
1. IF THERE IS MORE THAN 18" VERTICAL SEPARATIONS AT CROSSINGS OF WATERMAIN, SEWER, AND STORM, NO CONCRETE ENCASEMENT IS REQUIRED.
2. IF THERE IS MORE THAN 6" BUT LESS THAN 18" BETWEEN WATER MAINS AND STORM SEWERS/SANITARY SEWERS OR BETWEEN STORM SEWERS AND SANITARY SEWER MAINS AT A VERTICAL CROSSING THE LOWER PIPE SHALL BE ENCASED IN CONCRETE. THE CONCRETE ENCASEMENT MUST BE PROVIDED FOR A MINIMUM OF 5' ON EITHER SIDE OF THE CROSSING AND UP TO THE NEXT PIPE JOINT IF THE JOINT IS WITHIN 10' OF THE CROSSING.
3. THE SEWER AND WATER LINES MUST MEET THE FOLLOWING HORIZONTAL SEPARATION REQUIREMENTS OR IT MUST BE ENCASED FOR THE ENTIRE LENGTH WHERE THESE SEPARATIONS ARE NOT MET;

—WATER MAINS MUST BE 10 FEET FROM SEWER LINES, MANHOLES, CATCH BASINS OR STORM LINES.
—SANITARY MAINS MUST BE 10 FEET FROM ANY WATER LINES, CATCH BASINS, OR STORM LINES.
—SEWER LINES MUST BE 10 FEET FROM PROPERTY LINES UNLESS IT IS A LOCATION WHERE A PRIVATE SEWER COLLECTION SYSTEM MEETS A MUNICIPAL SYSTEM.
—SEWER LINES MUST BE 50 FEET FROM ANY WELLS.
—SEWER LINES MUST BE 25 FEET FROM SURFACE WATERS.
—SEWER LINES 25 FEET FROM STORMWATER INFILTRATION, STORMWATER MANAGEMENT PRACTICES, OR OPEN DRAINAGE DITCHES.
—SEWER LINES MUST BE 25 FEET FROM CULVERT OPENINGS.

1 / DN-2 WATER MAIN/SEWER/STORM CONCRETE ENCASEMENT

NOT TO SCALE

(REQUIRED IF SEPARATION REQUIREMENTS CANNOT BE MET)




NOTES:

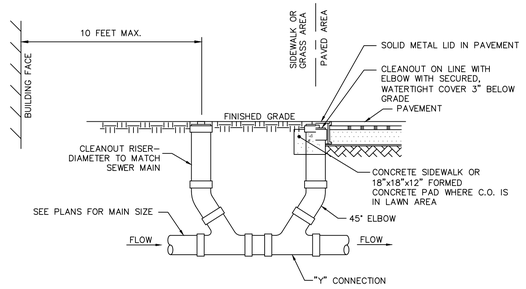
1. IF COVER IS LESS THAN 4 FEET INSULATION IS REQUIRED.

2 / DN-2 SANITARY SEWER TRENCH SECTION

NOT TO SCALE

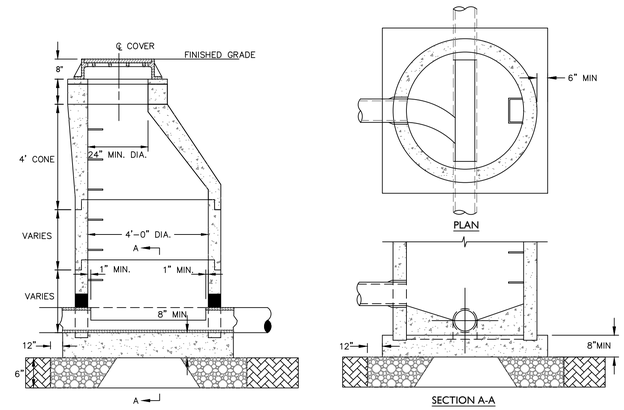
NOTES:

1. DOUBLE CLEANOUT TO BE INSTALLED ON ALL SEWER LATERALS WITHIN 10 FEET OF BUILDING FACE.
2. ANY LOCATIONS WITHIN PAVED AREAS SHALL HAVE COVERS THAT ARE H-20 LOAD RATED. ALL COVERS WHETHER IN PAVEMENT OR GRASS SHALL BE LABELED "SEWER".
3. ALL RISERS ARE TO MATCH THE SIZE OF THE SANITARY LINE.
4. IN LAWN AREAS INSTALL CONCRETE COLLAR 3 INCHES BELOW GRADE. COVER WITH TOP SOIL OR OTHER SURFACE TREATMENT AS DESIGNATED ON LANDSCAPE PLANS.




3 / DN-2 DOUBLE SEWER CLEANOUT DETAIL

NOT TO SCALE

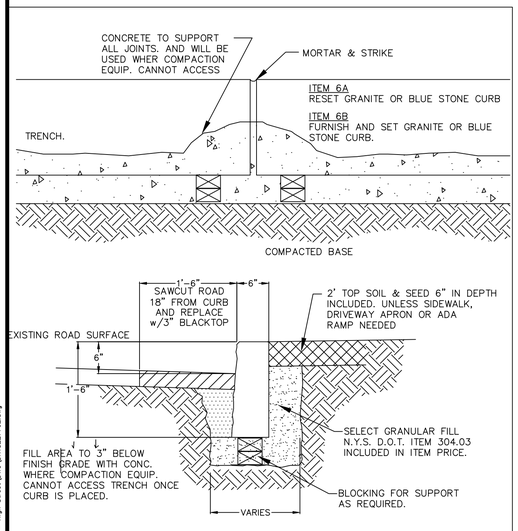



4 / DN-2 TYPICAL MANHOLE (DOG HOUSE)

NOT TO SCALE

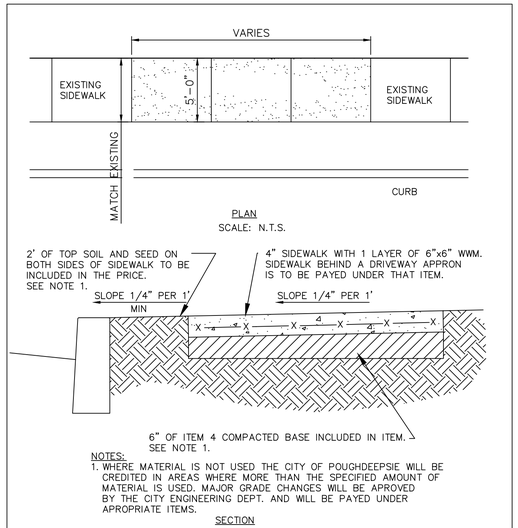
NOTES:

1. INVERT SHALL BE FILLETED.
2. REINFORCEMENT FOR MANHOLE AND SLAB TOP SHALL BE DESIGNED BY A LICENSED NEW YORK STATE PROFESSIONAL ENGINEER PRIOR TO CONSTRUCTION. SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW. STRUCTURE SHALL BE DESIGNED FOR HS20-44 VEHICULAR LOADING PLUS 25% IMPACT.
3. CONCRETE TO TEST 4000 P.S.I. AT 28 DAYS IN CONFORMANCE WITH A.S.T.M. C-478.
4. BENCH SHALL BE BUILT FOR FLOW BETWEEN INLET AND OUTLET.
5. EACH MANHOLE EXTERIOR SHALL RECEIVE TWO BITUMINOUS COATS.




GRANITE OR BLUESTONE CURB DETAIL

| | | | |
|---|---|---|---|
| CITY OF POUGHKEEPSIE ENGINEERING DEPARTMENT 62 CIVIC CENTER PLAZA POUGHKEEPSIE, NY 12602 | FILE NO.: 001-DET<br>DATE: 3-6-00<br>SCALE: AS NOTED<br>DRAWN BY: JP | GRANITE BLUE STONE DETIALS | 6<br>6A, 6B<br>PAGE NO. |

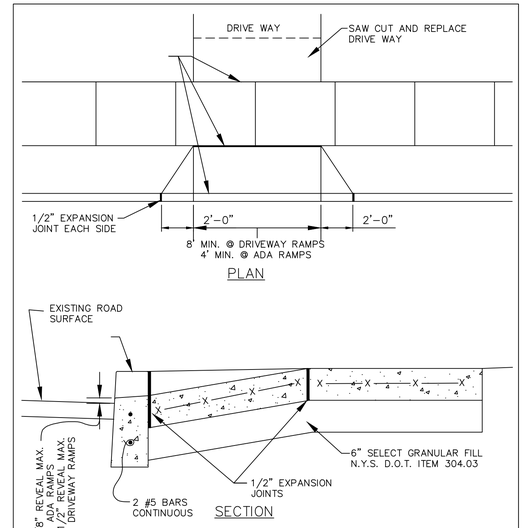



NOTES:

1. WHERE MATERIAL IS NOT USED THE CITY OF POUGHDEEPSIE WILL BE CREDITED IN AREAS WHERE MORE THAN THE SPECIFIED AMOUNT OF MATERIAL IS USED. MAJOR GRADE CHANGES WILL BE APROVED BY THE CITY ENGINEERING DEPT. AND WILL BE PAYED UNDER APROPRIATE ITEMS.

SIDEWALK REPLACE & NEW

| | | | |
|---|---|---|---|
| CITY OF POUGHKEEPSIE ENGINEERING DEPARTMENT 62 CIVIC CENTER PLAZA POUGHKEEPSIE, NY 12602 | PROJECT: 001-DET<br>DATE: 5-16-00<br>SCALE: AS NOTED<br>DRAWN BY: JP | SIDEWALK DETAIL | |




DRIVEWAY RAMPS & ADA RAMP

SCALE: 1"-1'-0"

| | | | |
|---|---|---|---|
| CITY OF POUGHKEEPSIE ENGINEERING DEPARTMENT 62 CIVIC CENTER PLAZA POUGHKEEPSIE, NY 12602 | FILE NO.: 001-DET<br>DATE: 3-6-00<br>SCALE: AS NOTED<br>DRAWN BY: JP | DRIVEWAY & ADA RAMP DETIAL | 1<br>PAGE NO. |

DETAILS PROVIDED BY THE CITY OF POUGHKEEPSIE FOR ALL WORK TO BE PERFORMED IN THE CITY ROW




| # | Date | Revisions |
|---|---|---|
| 1. | 2021-06-04 | REVISED PER COMMENTS |
| 2. | 2021-08-06 | REVISED PER COMMENTS |
| 3. | 2021-09-10 | REVISED PER COMMENTS |
| 4. | 2021-09-28 | REVISED PER COMMENTS |

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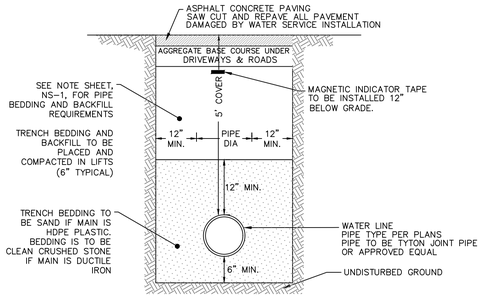
# SANITARY DETAILS

## RESIDENTIAL DEVELOPMENT

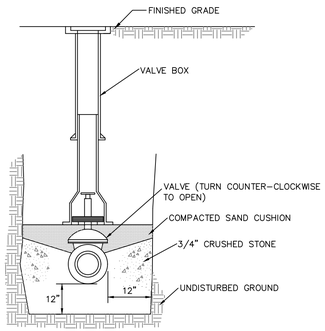
27 HIGH STREET
CITY OF POUGHKEEPSIE,
DUTCHESS COUNTY, NEW YORK

| | | | | | |
|---|---|---|---|---|---|
| Design/Calcs | BS | CAD File | DN18227702.dwg | Sheet No. | DN-2 |
| Drawn | SMC | Project No. | 18-2277 | | |
| Checked | KFC | Date | 2021-04-02 | | |
| Approved | REM | Scale | NTS | | |

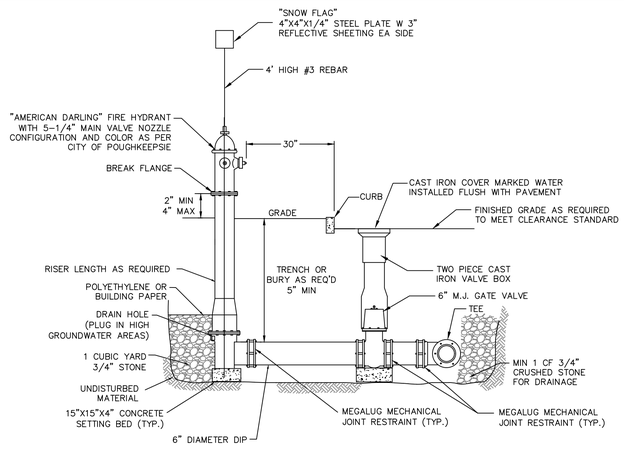
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1 DN-3 **WATER MAIN TRENCH**
NOT TO SCALE

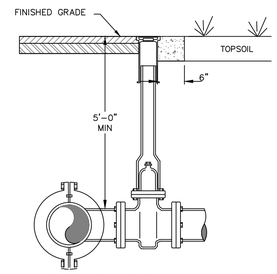



2 DN-3 **VALVE AND VALVE BOX DETAIL**
NOT TO SCALE



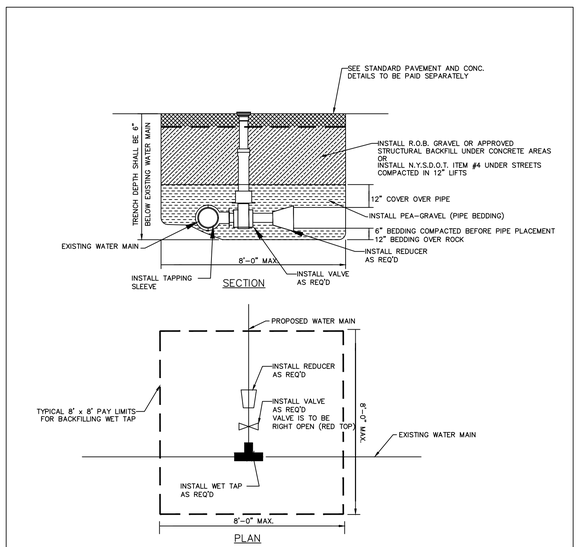

3 DN-3 **HYDRANT AND VALVE ASSEMBLY DETAIL INSTALLATION (ADJACENT CURB)**
NOT TO SCALE
HYDRANTS TO BE AMERICAN DARLING B-62-B

NOTES:
1. PROPOSED LOCATIONS OF HYDRANTS TO BE FIELD LOCATED (STAKED) AND APPROVED BY WATER SUPERINTENDENT PRIOR TO INSTALLATION
2. HYDRANT WITH PROPER RISER LENGTH (DEPTH OF BURY) SHALL BE INSTALLED AS REQUIRED TO MEET THE 2" MIN. TO 4" MAX. CLEARANCE BETWEEN THE CENTER OF THE BREAK FLANGES AND THE ASPHALT CONCRETE PAD.
3. ALL HYDRANTS TO MEET SPECIFICATIONS OF CITY OF POUGHKEEPSIE STANDARDS.
4. FIRE HYDRANT TO BE FLOW TESTED AND BANDED IN ACCORDANCE WITH NFPA STANDARDS.




NOTES:
WET TAP OF WATER MAIN SHALL BE PERFORMED UNDER THE SUPERVISION OF THE ENGINEER, AND THE CITY OF POUGHKEEPSIE.
1. TAPPING SLEEVE AND VALVE SUPPORT SHALL BE COORDINATED WITH THE ENGINEER TO SUIT FIELD CONDITIONS.
2. MINIMUM DISTANCE TO JOINTS, FITTINGS, OR OTHER WET TAPS OR STOPS SHALL BE 3 FEET.
3. VALVE OPERATING DIRECTION SHALL BE COUNTERCLOCKWISE TO OPEN (TURNING LEFT).
4. STAINLESS STEEL TAPPING SLEEVE SHALL BE SELECTED TO FIT EXISTING PIPE MATERIAL (C.I., D.I., A.C.) AND OUTSIDE DIAMETERS.
5. TAPPING SLEEVE, RESILIENT WEDGE VALVE & VALVE BOX SHALL BE IN ACCORDANCE WITH CITY OF POUGHKEEPSIE STANDARDS & AS MANUFACTURED BY (MUELLER) OR APPROVED EQUIVALENT.
7. ALL JOINTS SHALL UTILIZE MEGA LUG RETAINER GLAND.
8. PIPE BEDDING AND BACKFILL TO BE INSTALLED IN ACCORDANCE WITH PIPE TRENCHING DETAIL.

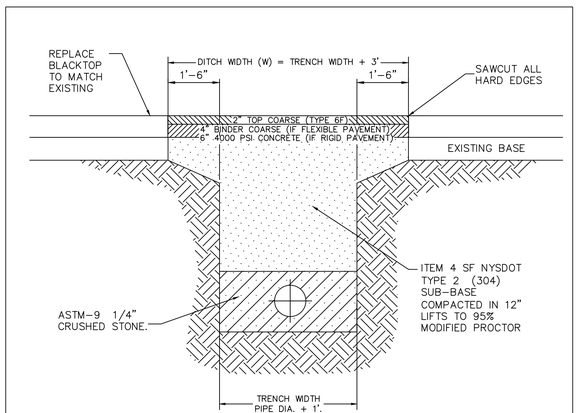
4 DN-3 **WATER TAPPING SLEEVE AND VALVE**
NOT TO SCALE




NOTE: ALL BACKFILL TO BE PLACED IN 1' LIFTS AND COMPACTED TO 95% OF MODIFIED PROCTOR (ASTM 1557)

**TAPPING SLEEVE & VALVE**
SCALE: N.T.S.

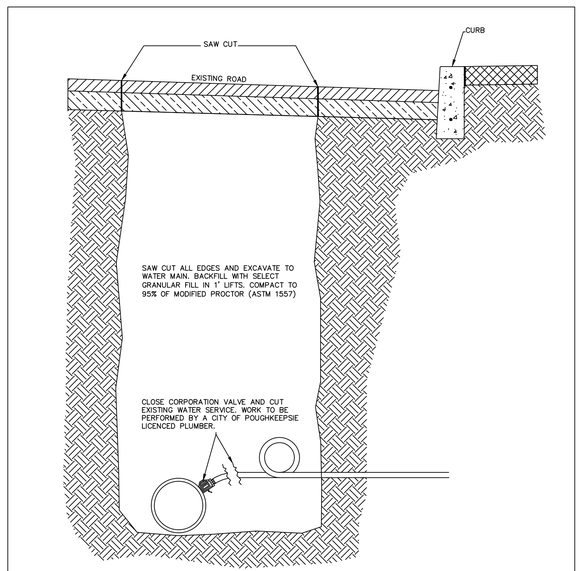
| CITY OF POUGHKEEPSIE ENGINEERING DEPARTMENT 80 WASHINGTON STREET POUGHKEEPSIE, NY 12602 | FILE NO.: | | TAPPING SLEEVE & VALVE | 1 PAGE NO. |
|---|---|---|---|---|
| | DATE: | 3-6-00 | | |
| | SCALE: | AS NOTED | | |
| | DRAWN BY: | JP | | |




**UTILITY TRENCH DETAIL IN PUBLIC R.O.W.**

NOTES:
1. DITCH WIDTH SHALL EXTEND A MINIMUM OF ONE AND ONE-HALF FT. FROM THE EDGES OF THE TRENCH.
2. REPLACED BASE MATERIAL OVER TRENCH SHALL BE ITEM 4 COMPACTED IN 12" LIFTS.
3. PIPE BEDDING SHALL BE A MINIMUM OF 6" ABOVE AND BELOW PIPE
4. ALL JOINTS SHALL BE MECHANICALLY SAWED.
5. ALL JOINTS SHALL BE SQUARED TO THE EXISTING EDGE OF CURB AND/OR PAVEMENT, AND TACK COATED PER DETAIL.
6. ROAD SURFACE REPLACEMENT SHALL BE MINIMUM OF SIX INCHES OF ASPHALTIC CONCRETE.
7. ASPHALT PAVEMENT TO BE PLACED IN TWO LIFTS AS SHOWN.

| CITY OF POUGHKEEPSIE ENGINEERING DEPARTMENT 62 CIVIC CENTER PLAZA POUGHKEEPSIE, NY 12602 | FILE NO.: | FLEXPAVE.DWG | TRENCH AND PAVEMENT DETAIL |
|---|---|---|---|
| | DATE: | 9-9-04 | |
| | SCALE: | AS NOTED | |
| | DRAWN BY: | ENGINEERING | |




**WATER SERVICE DISCONNECT AT MAIN**
SCALE: N.T.S.

| CITY OF POUGHKEEPSIE ENGINEERING DEPARTMENT 80 WASHINGTON STREET POUGHKEEPSIE, NY 12602 | FILE NO.: | | WATER DISCONNECT @ MAIN | 1 PAGE NO. |
|---|---|---|---|---|
| | DATE: | 08-21-08 | | |
| | SCALE: | AS NOTED | | |
| | DRAWN BY: | JTK | | |

STATE OF NEW YORK · RODNEY E MORRISON · 071104 · LICENSED PROFESSIONAL ENGINEER

| # | Date | Revisions |
|---|---|---|
| 1. | 2021-06-04 | REVISED PER COMMENTS |
| 2. | 2021-08-06 | REVISED PER COMMENTS |
| 3. | 2021-09-10 | REVISED PER COMMENTS |
| 4. | 2021-09-28 | REVISED PER COMMENTS |

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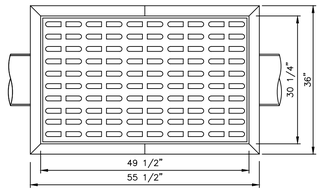
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LRC Engineering and Surveying, LLC
LRC Environmental Services, Inc.
Land Resource Consultants, Inc.

# WATER DETAILS

## RESIDENTIAL DEVELOPMENT
27 HIGH STREET
CITY OF POUGHKEEPSIE,
DUTCHESS COUNTY, NEW YORK

| | | | | |
|---|---|---|---|---|
| Design/Calcs | BS | CAD File | DN18227703.dwg | Sheet No. DN-3 |
| Drawn | SMC | Project No. | 18-2277 | |
| Checked | KFC | Date | 2021-04-02 | |
| Approved | REM | Scale | NTS | |

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TOP VIEW

NOTES:

1. PRECAST CONCRETE CATCH BASIN SECTIONS AS MANUFACTURED BY FORT MILLER OR APPROVED EQUAL.

2. CATCH BASIN SHALL BE PRECAST CONCRETE. DESIGNED FOR H20 VEHICULAR LOADING AND 25% IMPACT.

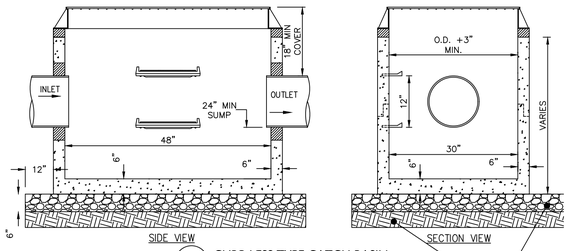
3. FRAME AND COVER SHALL BE DESIGNED FOR H20 VEHICULAR LOADING AND 25% IMPACT. FRAME TO BE GENERAL FOUNDRIES, INC. MODEL #23408 OR APPROVED EQUAL

4. CONCRETE CATCH BASIN CASTING CLEAR OPENING DIMENSION MUST MATCH FRAME AND GRATE CLEAR OPENING DIMENSION.

5. CATCH BASINS HAVING A DEPTH GREATER THAN 48" FROM FINISHED SURFACE TO THE TOP OF THE CONCRETE BASE SHALL BE PROVIDED WITH STEPS.

6. BACKFILL USING TRENCH BACKFILL, COMPACTED IN 6" LIFTS.

7. SUMPS FOR CATCH BASINS SHALL BE 24".

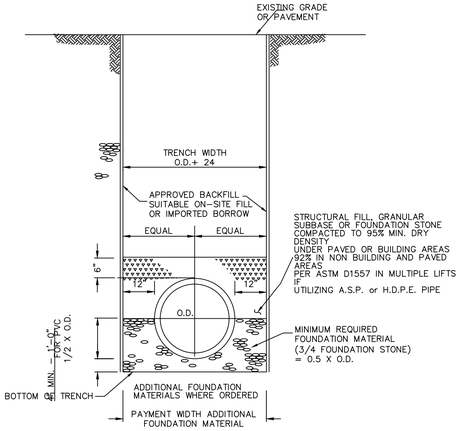



1 DN-4 CURB LESS TYPE CATCH BASIN

NOT TO SCALE

NOTES:

1. SEE NOTES SHEET NS-1 FOR SUBGRADE AND BACKFILL COMPACTION REQUIREMENTS

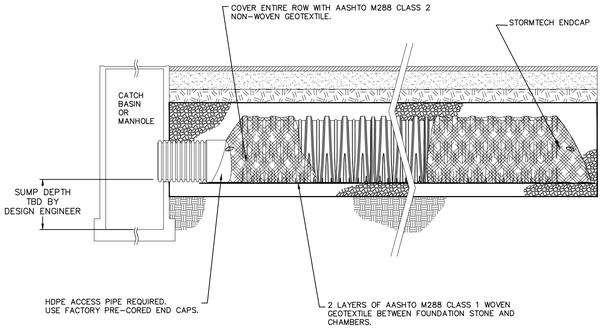



2 DN-4 TYPICAL STORM SEWER TRENCH SECTION

NOT TO SCALE

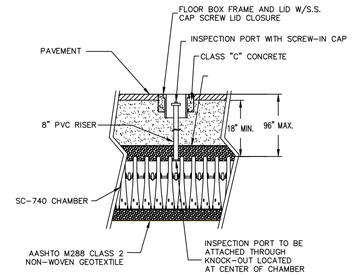
NOTES:

1. SEE NOTES SHEET NS-1 FOR SUBGRADE AND BACKFILL COMPACTION REQUIREMENTS



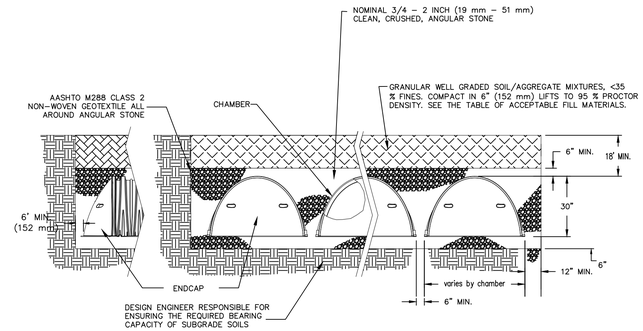

SC-740 ISOLATOR ROW DETAIL

NOT TO SCALE



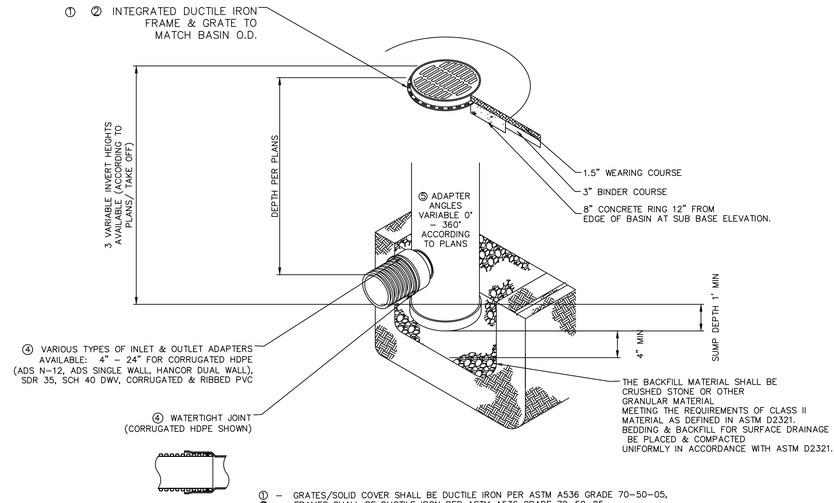

SC-740 INSPECTION PORT DETAIL

NOT TO SCALE




CHAMBER TYPICAL CONSTRUCTION SECTION

NOT TO SCALE




① – GRATES/SOLID COVER SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05,
② – FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05
③ – DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS. RISERS ARE NEEDED FOR BASINS OVER 84" DUE TO SHIPPING RESTRICTIONS. SEE DRAWING NO. 7001-110-065
④ – DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS & HANCOR DUAL WALL) & SDR 35 PVC
⑤ – ADAPTERS CAN BE MOUNTED ON ANY ANGLE 0° TO 360°. TO DETERMINE MINIMUM ANGLE BETWEEN ADAPTERS SEE DRAWING NO. 7001-110-013.

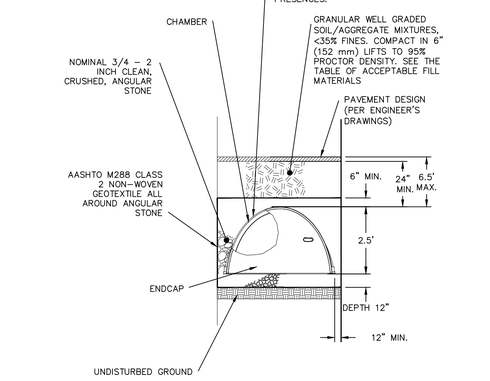
| | | | |
|---|---|---|---|
| THIS PRINT DISCLOSES SUBJECT MATTER IN WHICH NYLOPLAST HAS PROPRIETARY RIGHTS. THE RECEIPT OR POSSESSION OF THIS PRINT DOES NOT CONFER, TRANSFER, OR LICENSE THE USE OF THE DESIGN OR TECHNICAL INFORMATION SHOWN HEREIN. REPRODUCTION OF THIS PRINT OR ANY INFORMATION CONTAINED HEREIN, OR MANUFACTURE OF ANY ARTICLE HEREFROM, FOR THE DISCLOSURE TO OTHERS IS FORBIDDEN, EXCEPT BY SPECIFIC WRITTEN PERMISSION FROM NYLOPLAST. | DRAWN BY EBC<br>DATE 4-3-06<br>APPD BY CJA<br>DATE 4-3-06<br>DWG SIZE A | MATERIAL<br>PROJECT NO./NAME<br>SHEET 1 OF 1 | Nyloplast<br>3130 VERONA AVE<br>BUFORD, GA 30518<br>PHN (770) 932-2443<br>FAX (770) 932-2490<br>www.nyloplast-us.com<br>TITLE<br>24 IN DRAIN BASIN QUICK SPEC INSTALLATION DETAIL<br>DWG NO. 7001-110-192 REV B |

3 DN-4 NYLOPLAST 24" DRAIN BASIN:

NOT TO SCALE

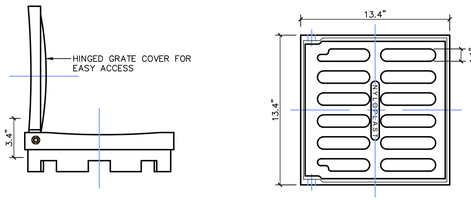
NOTES:

1. SEE NOTES SHEET NS-1 FOR SUBGRADE AND BACKFILL COMPACTION REQUIREMENTS




CHAMBER TYPICAL SC 740 CONSTRUCTION SECTION

NOT TO SCALE




NOTES:
1. QUALITY: MATERIALS SHALL CONFORM TO ASTM A536 GRADE 70-50-05.
2. MATERIAL: GRATE DUCTILE IRON. W/ CAST IRON FRAME
3. PAINT: CASTINGS ARE FURNISHED WITH A BLACK PAINT.
4. PROVIDE 12" STANDARD COVER

X NYLOPLAST 12" COVER

SCALE: N.T.S.




RECOMMENDED MINIMUM TRENCH WIDTHS

| PIPE DIAM. | MIN. TRENCH WIDTH |
|---|---|
| 4" (100mm) | 21" (533mm) |
| 6" (150mm) | 23" (584mm) |
| 8" (200mm) | 26" (660mm) |
| 10" (250mm) | 28" (711mm) |
| 12" (300mm) | 30" (762mm) |
| 15" (375mm) | 34" (864mm) |
| 18" (450mm) | 39" (991mm) |
| 24" (600mm) | 48" (1219mm) |
| 30" (750mm) | 56" (1422mm) |
| 36" (900mm) | 64" (1626mm) |
| 42" (1050mm) | 72" (1829mm) |
| 48" (1200mm) | 80" (2032mm) |
| 54" (1350mm) | 88" (2235mm) |
| 60" (1500mm) | 96" (2438mm) |

NOTES:

1. ALL PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS", LATEST ADDITION

2. MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF NATIVE FINES INTO BACKFILL MATERIAL, WHEN REQUIRED.

3. THE INSERTA TEE® CONNECTION SHOULD NOT BE PLACED AT AN ANGLE EXCEEDING 45° FROM THE SPRINGLINE. GREATER ANGLES ARE SUBJECT TO DESIGN ENGINEER APPROVAL AND MAY REQUIRE PREMIUM BACKFILL.

4. FOUNDATION: WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE ENGINEER. AS AN ALTERNATIVE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL.

5. BEDDING: SUITABLE MATERIAL SHALL BE CLASS I, II OR III. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. UNLESS OTHERWISE NOTED BY THE ENGINEER, MINIMUM BEDDING THICKNESS SHALL BE 4" (100mm) FOR 4"-24" (100mm-600mm); 6" (150mm) FOR 30"-60" (750mm-1500mm).

6. INITIAL BACKFILL: SUITABLE MATERIAL SHALL BE CLASS I, II OR III IN THE PIPE ZONE EXTENDING NOT LESS THAN 6" ABOVE CROWN OF PIPE. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. MATERIAL SHALL BE INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION.

7. MINIMUM COVER: MINIMUM COVER, H, IN NON-TRAFFIC APPLICATIONS (GRASS OR LANDSCAPE AREAS) IS 12" FROM THE TOP OF PIPE TO GROUND SURFACE. ADDITIONAL COVER MAY BE REQUIRED TO PREVENT FLOTATION. FOR TRAFFIC APPLICATIONS, MINIMUM COVER, H, IS 12" UP TO 48" DIAMETER PIPE AND 24" OF COVER FOR 54"-60" DIAMETER PIPE, MEASURED FROM TOP OF PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TO TOP OF RIGID PAVEMENT.

VOLUME REQ'D
VOLUME PROVIDED

| REV. | DESCRIPTION | BY | REVDATE | CHK'D |
|---|---|---|---|---|
| REV. | DESCRIPTION | BY | MM/DD/YY | CHK'D |

©2016 ADS

ADVANCED DRAINAGE SYSTEMS, INC ("ADS") HAS PREPARED THIS DETAIL BASED ON INFORMATION PROVIDED TO ADS. THIS DRAWING IS INTENDED TO ASSIST ENGINEERS AND APPROVED CONTRACTORS IN THE PREPARATION OF PLANS AND SPECIFICATIONS FOR A PROJECT. NOR HAS ADS INDEPENDENTLY VERIFIED THE INFORMATION SUPPLIED. THE INSTALLATION DETAILS PROVIDED HEREIN ARE GENERAL RECOMMENDATIONS AND ARE NOT SPECIFIC FOR THIS PROJECT. THE DESIGN ENGINEER SHALL REVIEW THESE DETAILS PRIOR TO CONSTRUCTION. IT IS THE DESIGN ENGINEERS RESPONSIBILITY TO ENSURE THE DETAILS PROVIDED HEREIN MEETS OR EXCEEDS THE APPLICABLE NATIONAL, STATE, OR LOCAL REQUIREMENTS AND TO ENSURE THAT THE DETAILS PROVIDED HEREIN ARE ACCEPTABLE FOR THIS PROJECT.

PROJECT LOCATION

DRAWING NUMBER: DRAWING#

ADS 4640 TRUEMAN BLVD. HILLIARD, OHIO 43026 ADVANCED DRAINAGE SYSTEMS, INC.

| | |
|---|---|
| DSGN'R | ABC |
| DRWN | DATE |
| CHK'D | ENG |
| APP'D | NTS |
| DATE | OF |




| # | Date | |
|---|---|---|
| 1. | 2021-06-04 | REVISED PER COMMENTS |
| 2. | 2021-08-06 | REVISED PER COMMENTS |
| 3. | 2021-09-10 | REVISED PER COMMENTS |
| 4. | 2021-09-28 | REVISED PER COMMENTS |

Revisions

LRC GROUP
- Land Planning
- Civil Engineering
- Environmental Services
- Land Surveying
- Landscape Architecture

85 Civic Center Plaza, Suite 103
Poughkeepsie NY 12601
Tel:845.243.2880

160 West Street, Suite E
Cromwell, CT 06416
Tel:860.635.2877

1 International Blvd, Suite 400
Mahwah, NJ 07495
Tel:908.603.5700

www.lrcconsult.com

LRC Engineering and Surveying, DPC
LRC Engineering and Surveying, LLC
LRC Environmental Services, Inc.
Land Resource Consultants, Inc.

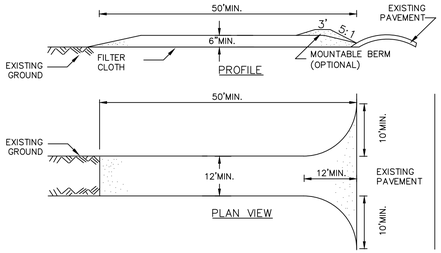
# STORMWATER DETAILS

## RESIDENTIAL DEVELOPMENT

27 HIGH STREET
CITY OF POUGHKEEPSIE,
DUTCHESS COUNTY, NEW YORK

| | | | | |
|---|---|---|---|---|
| Design/Calcs | BS | CAD File | DN18227704.dwg | Sheet No. |
| Drawn | SMC | Project No. | 18-2277 | DN-4 |
| Checked | KFC | Date | 2021-04-02 | |
| Approved | REM | Scale | NTS | |

X:\JOBS\Jobs 2018\18-2277-Page Park - High Street\DWG\DN18227704.dwg

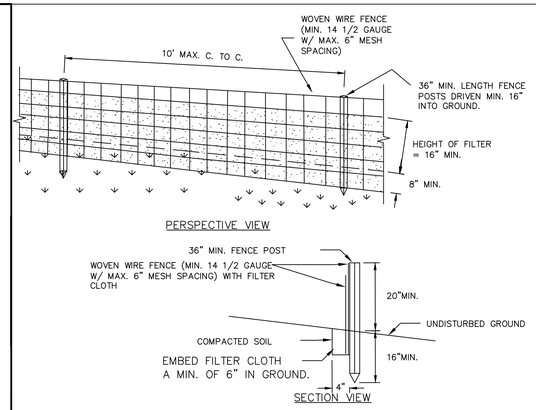



## CONSTRUCTION SPECIFICATIONS

1. STONE SIZE – USE 1"–4" ANGULAR STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH – NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
3. THICKNESS – NOT LESS THAN SIX (6) INCHES.
4. WIDTH – TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY–FOUR (24) FOOT IF SINGLE ENTRANCE TO SITE.
5. FILTER CLOTH – WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
6. SURFACE WATER – ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE – THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS–OF–WAY, ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACTED ONTO PUBLIC RIGHTS–OF–WAY MUST BE REMOVED IMMEDIATELY.
8. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON A AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

U.S. DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE

**STABILIZED CONSTRUCTION ENTRANCE** — 1 / DN-5




## CONSTRUCTION SPECIFICATIONS

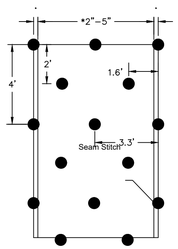
1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "T" OR "U" TYPE OR HARDWOOD.
2. FILTER CLOTH TO BE TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 12 1/2 GAUGE, 6" MAXIMUM MESH OPENING.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUIVALENT.
4. PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUIVALENT.
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

U.S. DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE

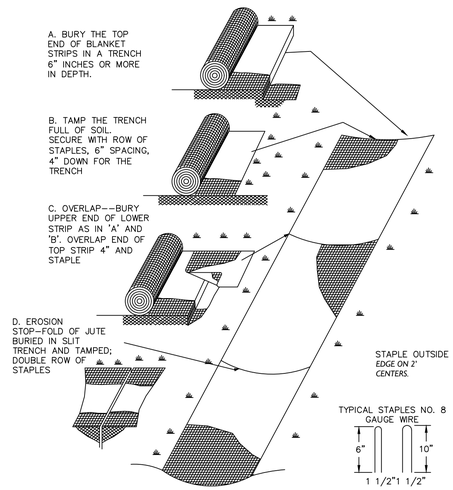
**SILT FENCE** — 2 / DN-5

NOTES:
3:1 SLOPES OR STEEPER WHERE INDICATED ON THE DRAWINGS:

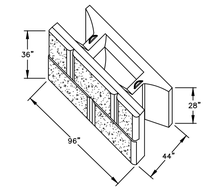
EROSION CONTROL BLANKET SHALL BE NORTH AMERICAN GREEN SC 150 OR SHALL BE A GREEN, WOOD FIBER MAT CONSTRUCTED FROM 100% ASPEN CURLED FIBERS WITH A GREEN PHOTO–DEGRADABLE NETTING APPLIED TO ONE SIDE. EROSION CONTROL BLANKET TO BE AS MANUFACTURED BY AMERICAN EXCELSIOR COMPANY, ARLINGTON, TX, "QUICK GRASS" OR APPROVED EQUAL.



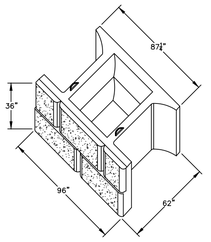

1.7 STAPLES PER SQ.YD.
(2.0 STAPLES PER SQ.M)




3 / DN-5 **EROSION CONTROL MAT**
NOT TO SCALE

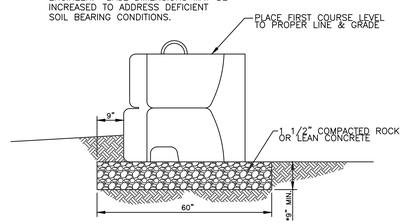



**STONE STRONG 24SF TOP UNIT**
NOT TO SCALE




**STONE STRONG 24-62 UNIT**
NOT TO SCALE

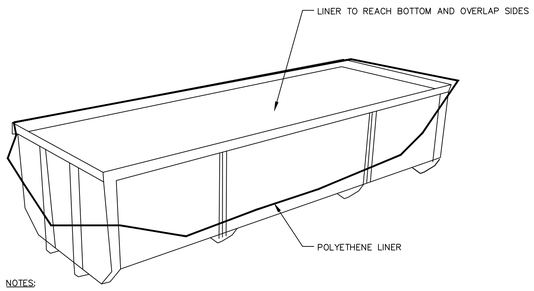
NOTE: BEARING CONDITIONS SHALL BE OBSERVED BY THE SITE GEOTECHNICAL ENGINEER. BASE DIMENSIONS MAY BE INCREASED TO ADDRESS DEFICIENT SOIL BEARING CONDITIONS.




*FOR WALL HEIGHTS OF 6' OR LESS, BASE THICKNESS MAY BE REDUCED TO 6".

**24SF WALL BASE**
NOT TO SCALE

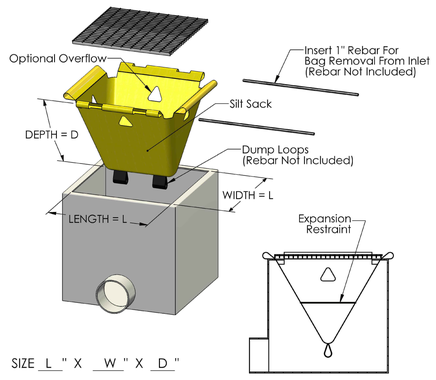
## Silt Sack - Type A




NOTES:

1. SIZE DUMPSTER ACCORDINGLY BASED ON PROJECTED WASHOUT. ONE DUMPSTER TO BE ONSITE AT ALL TIMES.
2. CONCRETE WASHOUT SIGN TO BE INSTALLED WITHIN 30 FEET OF THE TEMPORARY CONCRETE WASHOUT FACILITY.
3. REMOVE HARDENED CONCRETE WHEN WITHIN 4" FROM TOP OF STRUCTURE.
4. CONSTRUCT NEW FACILITIES ONCE CURRENT FACILITIES ARE TWO–THIRDS FULL. IF CONCRETE HAS NOT HARDENED CONSTRUCT NEW FACILITIES ONCE CURRENT FACILITY IS TWO–THIRDS FULL.
5. LINERS SHALL BE INSPECTED FOR DAMAGE. ANY DAMAGE SHALL BE REPAIRED PROMPTLY.
6. SEPARATE FACILITIES TO BE USED FOR VEHICLE WASHING IF NEEDED.
7. NO CONCRETE IS TO BE WASHOUT OUT ON THE GROUND IN ANY LOCATION.

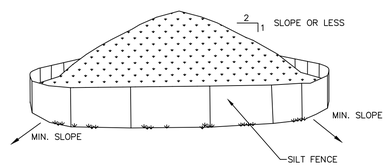
4 / DN-5 **ABOVE GROUND TEMPORARY CONCRETE/VEHICLE WASHOUT FACILITY**
NOT TO SCALE





ACF ENVIRONMENTAL
2831 Cardwell Road
Richmond, VA 23234
WWW.ACFENVIRONMENTAL.COM

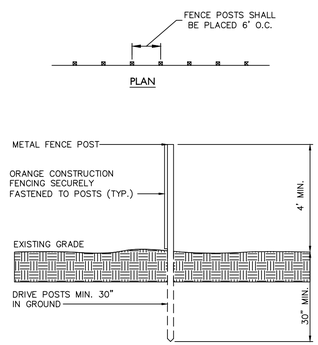

5 / DN-5 **SILT SACK DETAIL (CURBLESS CB)**
NOT TO SCALE
SILTSACK® BY CORE & MAIN




NOTES

1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 1V: 2H.
3. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH SILT FENCING, THEN STABILIZED WITH VEGETATION OR COVERED.
4. SEE SPECIFICATIONS FOR INSTALLATION OF SILT FENCE.

6 / DN-5 **MATERIALS STOCKPILE**
NOT TO SCALE




**SECTIONAL ELEVATION**

7 / DN-5 **ORANGE CONSTRUCTION FENCE**
NOT TO SCALE

STATE OF NEW YORK
RODNEY E MORRISON
LICENSED PROFESSIONAL ENGINEER
073104

| # | Date | Revisions |
|---|---|---|
| 1. | 2021-06-04 | REVISED PER COMMENTS |
| 2. | 2021-08-06 | REVISED PER COMMENTS |
| 3. | 2021-09-10 | REVISED PER COMMENTS |
| 4. | 2021-09-28 | REVISED PER COMMENTS |


LRC GROUP
• Land Planning
• Civil Engineering
• Environmental Services
• Land Surveying
• Landscape Architecture
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Mahwah, NJ 07495
Tel:908.603.5730
www.lrcconsult.com
LRC Engineering and Surveying, DPC
LRC Engineering and Surveying, LLC
LRC Environmental Services, Inc.
Land Resource Consultants, Inc.


# EROSION CONTROL DETAILS

## RESIDENTIAL DEVELOPMENT

27 HIGH STREET
CITY OF POUGHKEEPSIE,
DUTCHESS COUNTY, NEW YORK

| | | | | |
|---|---|---|---|---|
| Design/Calcs | BS | CAD File | DN18227705.dwg | Sheet No. |
| Drawn | SMC | Project No. | 18-2277 | DN-5 |
| Checked | KFC | Date | 2021-04-02 | |
| Approved | REM | Scale | NTS | |

X:\JOBS\Jobs 2018\18-2277-Page Park – High Street\DWG\DN18227705.dwg



# *Short Environmental Assessment Form*
## *Part 1 - Project Information*

**Instructions for Completing**

**Part 1 – Project Information. The applicant or project sponsor is responsible for the completion of Part 1.** Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification. Complete Part 1 based on information currently available. If additional research or investigation would be needed to fully respond to any item, please answer as thoroughly as possible based on current information.

Complete all items in Part 1. You may also provide any additional information which you believe will be needed by or useful to the lead agency; attach additional pages as necessary to supplement any item.

**Part 1 – Project and Sponsor Information**

Name of Action or Project:
27 High Street Lofts

Project Location (describe, and attach a location map):
27 High Street

Brief Description of Proposed Action:
Renovation of existing building for multi family units and construction of new (nearly identical) building for multi family residential.

| Name of Applicant or Sponsor: | Telephone: 845-471-0191 |
|---|---|
| 27 High Street Lofts, LLC | E-Mail: kelly@pageparkassociates.com |

Address:
PO Box 792

| City/PO: | State: | Zip Code: |
|---|---|---|
| Poughkeepsie | NY | 12602 |

| | NO | YES |
|---|---|---|
| 1. Does the proposed action only involve the legislative adoption of a plan, local law, ordinance, administrative rule, or regulation? If Yes, attach a narrative description of the intent of the proposed action and the environmental resources that may be affected in the municipality and proceed to Part 2. If no, continue to question 2. | ☑ | ☐ |
| 2. Does the proposed action require a permit, approval or funding from any other government Agency? If Yes, list agency(s) name and permit or approval: Site Plan, Area Variances, DC239M, DCDOH, DEC, SWPPP | ☐ | ☑ |

3. a. Total acreage of the site of the proposed action? 1.23 acres
   b. Total acreage to be physically disturbed? .97 acres
   c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? 1.23 acres

4. Check all land uses that occur on, are adjoining or near the proposed action:
   ☑ Urban ☐ Rural (non-agriculture) ☐ Industrial ☑ Commercial ☑ Residential (suburban)
   ☐ Forest ☐ Agriculture ☐ Aquatic ☐ Other(Specify):
   ☐ Parkland

| | NO | YES | N/A |
|---|---|---|---|
| 5. Is the proposed action, | | | |
| a. A permitted use under the zoning regulations? | ☐ | ☑ | ☐ |
| b. Consistent with the adopted comprehensive plan? | ☐ | ☑ | ☐ |

| | NO | YES |
|---|---|---|
| 6. Is the proposed action consistent with the predominant character of the existing built or natural landscape? | ☐ | ☑ |

| | NO | YES |
|---|---|---|
| 7. Is the site of the proposed action located in, or does it adjoin, a state listed Critical Environmental Area? | | |
| If Yes, identify: _____ | ☑ | ☐ |

| | NO | YES |
|---|---|---|
| 8. a. Will the proposed action result in a substantial increase in traffic above present levels? | ☑ | ☐ |
| b. Are public transportation services available at or near the site of the proposed action? | ☐ | ☑ |
| c. Are any pedestrian accommodations or bicycle routes available on or near the site of the proposed action? | ☑ | ☐ |

| | NO | YES |
|---|---|---|
| 9. Does the proposed action meet or exceed the state energy code requirements? | | |
| If the proposed action will exceed requirements, describe design features and technologies: _____ _____ | ☐ | ☑ |

| | NO | YES |
|---|---|---|
| 10. Will the proposed action connect to an existing public/private water supply? | | |
| If No, describe method for providing potable water: _____ _____ | ☐ | ☑ |

| | NO | YES |
|---|---|---|
| 11. Will the proposed action connect to existing wastewater utilities? | | |
| If No, describe method for providing wastewater treatment: _____ _____ | ☐ | ☑ |

| | NO | YES |
|---|---|---|
| 12. a. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district which is listed on the National or State Register of Historic Places, or that has been determined by the Commissioner of the NYS Office of Parks, Recreation and Historic Preservation to be eligible for listing on the State Register of Historic Places? | ☑ | ☐ |
| b. Is the project site, or any portion of it, located in or adjacent to an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory? | ☑ | ☐ |

| | NO | YES |
|---|---|---|
| 13. a. Does any portion of the site of the proposed action, or lands adjoining the proposed action, contain wetlands or other waterbodies regulated by a federal, state or local agency? | ☑ | ☐ |
| b. Would the proposed action physically alter, or encroach into, any existing wetland or waterbody? | ☑ | ☐ |
| If Yes, identify the wetland or waterbody and extent of alterations in square feet or acres: _____ _____ _____ | | |

14. Identify the typical habitat types that occur on, or are likely to be found on the project site. Check all that apply:

☐ Shoreline ☐ Forest ☐ Agricultural/grasslands ☐ Early mid-successional

☐ Wetland ☑ Urban ☑ Suburban

| | NO | YES |
|---|---|---|
| 15. Does the site of the proposed action contain any species of animal, or associated habitats, listed by the State or Federal government as threatened or endangered? | ☑ | ☐ |
| 16. Is the project site located in the 100-year flood plan? | ☐ | ☑ |
| 17. Will the proposed action create storm water discharge, either from point or non-point sources? | ☐ | ☑ |
| If Yes, | | |
| a. Will storm water discharges flow to adjacent properties? | ☑ | ☐ |
| b. Will storm water discharges be directed to established conveyance systems (runoff and storm drains)? | ☐ | ☑ |
| If Yes, briefly describe: _____ | | |
| 18. Does the proposed action include construction or other activities that would result in the impoundment of water or other liquids (e.g., retention pond, waste lagoon, dam)? | ☑ | ☐ |
| If Yes, explain the purpose and size of the impoundment: _____ | | |
| 19. Has the site of the proposed action or an adjoining property been the location of an active or closed solid waste management facility? | ☑ | ☐ |
| If Yes, describe: _____ | | |
| 20. Has the site of the proposed action or an adjoining property been the subject of remediation (ongoing or completed) for hazardous waste? | ☐ | ☑ |
| If Yes, describe: _____ | | |
| 314074, B00036, B00020, 314122 - see attached reports | | |

**I CERTIFY THAT THE INFORMATION PROVIDED ABOVE IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE**

Applicant/sponsor/name: Kelly Libolt Date: July 20, 2021

Signature: KLibolt Title: Project Manager

**PRINT FORM**

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

# Environmental Site Remediation Database Search Details

## Site Record

### Administrative Information

**Site Name:** Schatz Plant
**Site Code:** 314074
**Program:** State Superfund Program
Classification: 02
**EPA ID Number:**

### Location

**DEC Region:** 3
**Address:** 70 FAIRVIEW AVENUE
**City:**POUGHKEEPSIE Zip: 12601
**County:**Dutchess
**Latitude:** 41.71668964
**Longitude:** -73.92178268
**Site Type:** STRUCTURE
**Estimated Size:** 30 Acres

### Site Owner(s) and Operator(s)

**Current Owner Name:** Lot Six Realty Corporation
**Current Owner(s) Address:** 70 Fairview Avenue
Poughkeepsie,NY, 12601
**Current Owner Name:** SCHATZ FEDERAL BEARING COMPANY
**Current Owner(s) Address:** 70 FAIRVIEW AVE.
POUGHKEEPSIE,NY, 12601
**Owner(s) during disposal:** SCHATZ FEDERAL BEARING COMPANY
**Current On-Site Operator:** Schatz Federal Bearings Company
**Stated Operator(s) Address:** 70 Fairview Avenue
Poughkeepsie,NY 12601

### Hazardous Waste Disposal Period

**From:** 1910 **To:** 1981

### Site Description

Location: The Schatz Plant Site (Site) is located at 10-70 Fairview Avenue in the City and Town of Poughkeepsie, Dutchess County, New York. The Site consists of four tax parcels and occupies an area of approximately 30 acres. Site Features: The original Schatz Plant Facility, two stand-alone buildings, and miscellaneous debris and storage boxes occupy the three northernmost parcels of the Site (~22 acres). A bearing manufacturing plant currently operates on the southernmost parcel of the Site (approx. 8 acres). Current Zoning and Land Use: The area south of the Site is primarily industrial, with residential areas located to the north and east. A formerly utilized railroad bed abuts the west side of the Site, and immediately beyond the western boundary is a residential area and medical facilities. Past Use of the Site: The Schatz Company began operations at the Site in 1910, started manufacturing ball bearings in 1915, and increased the plant size in 1920 and 1926. The company filed for bankruptcy in 1980 was closed in 1981. The Schatz Company name was purchased in 1983 and Schatz Manufacturing currently produces bearings at a plant located on the southernmost

parcel of the Site at 10 Fairview Avenue, owned by the Schatz Land Company. The remaining three tax parcels making up the Site were purchased in 1988 and are presently owned by Lot Six Realty Corporation and Hudson Valley Management Associates. Currently, the property owner leases space in the former manufacturing facility to various small commercial/industrial entities. Site Geology and Hydrogeology: The site geology at the Schatz Plant Site consists of lacustrine silts and fine sands overlying weathered Austin Glen Formation phyllites. The fill and lacustrine sediments (overburden) range in thickness from 0.5 feet to 27 feet. Weathered bedrock ranges in thickness from less than 2 feet to 7 feet on-site. Competent bedrock was found at depths across the site ranging from 7.5 feet to 30 feet below grade. Groundwater flow direction across the site is generally west-northwesterly from Fairview Avenue towards the Hudson River. Groundwater movement in the bedrock is limited primarily to fractures, joints and bedding planes.

## Contaminants of Concern (Including Materials Disposed)

**Contaminant Name/Type**

PCBS (1.7 PPM- 330 PPM) (B007)
TOLUENE, ETHYLBENZENE & XYLENES
polychlorinated biphenyls (PCB)
DRUMS OF WASTE CONTAINING:

## Site Environmental Assessment

Nature and Extent of Contamination: Contaminants of concern at the site include PCBs, SVOCs (PAHs), and metals (lead, chromium, arsenic, and antimony). Extensive PCB contamination was found in numerous floor wipe, floor drain, and floor sweeping samples collected within Building #3, the Heat Treatment Building, and the former Rehabilitation Center. In 1996, approximately 1,800 cubic yards of PCB-contaminated soil was removed from the southern edge of the site. In October 2009 USEPA performed an emergency response action to identify, remove and dispose of hazardous materials abandoned in the facility buildings. By March 2011, all of the staged and containerized wastes were shipped off-site for disposal and EPA demobilized from the site. The USEPA evaluated the results of the test pitting and soil sampling sampling performed around the facility in 2010 for possible additional removal action, however, no additional action is planned by the USEPA at this time. The southernmost parcel of the Site has been previously remediated.

## Site Health Assessment

Polychlorinated biphenyls (PCBs) were detected in soil at several on-site locations. PCB-contaminated soil was excavated and disposed of at an off-site location in 1996. PCBs have been detected at concentrations above the NYSDOH cleanup guideline on the floors in two on-site buildings and in the soil at several on-site locations. One of the contaminated buildings (#3) is readily accessible. PCBs were detected on the subflooring of the on-site building that previously housed a rehabilitation center; however, since the subfloor is inaccessible, contact with contaminated surfaces is not expected. To minimize potential exposures to contaminated building surfaces, NYSDOH has recommended restricting access to authorized persons only. PCBs were not detected during two rounds of air sampling conducted in the rehabilitation center. Exposures to site-related contaminants in drinking water are not expected since nearby homes and businesses are supplied with public drinking water.

For more Information: E-mail Us

Refine This Search

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

# Environmental Site Remediation Database Search Details

## Site Record

### Administrative Information

**Site Name:** Qual Krom Site
**Site Code:** B00036
**Program:** Environmental Restoration Program
Classification: C
**EPA ID Number:**

### Location

**DEC Region:** 3
**Address:** 28 Orchard Place
**City:**Poughkeepsie Zip: 12602
**County:**Dutchess
**Latitude:** 41.712122207
**Longitude:** -73.926662504
**Site Type:**
**Estimated Size:** 0.2 Acres

### Site Owner(s) and Operator(s)

### Site Description

This 0.2 acre site is located in a residential section in the City of Poughkeepsie. The site is bordered by an abandoned railroad grade and residential housing. The facility was operated as a metal plating facility until 1987 by the same PRP that operated the hazardous waste site Qual Krom, ID No. 314013. The City took ownership in 1988 for back taxes. Abandoned drums were found inside and outside the building. Samples were collected in 1989. A partial removal was performed in 1992. The drums and wastes that were in the building were similar to those removed from the outside the building. In 1996 the USEPA conducted a CERCLA removal action. It included stabilization of the building; containerization of the vat sludges, drums, and labpacks; inventorying, sampling and analysis of all materials for waste characterization; and disposal. This site was initially designated a potential Registry site ('P' site) and was then remediated under the Environmental Restoration Program. Asbestos abatement,building demolition and soil removal has been completed. Based upon the fact that soil cleanup numbers for unrestricted residential use were met in the excavation confirmation samples, an Environmental Easement will not be required for the property.

### Contaminants of Concern (Including Materials Disposed)

| Contaminant Name/Type |
|---|
| arsenic |
| lead |
| mercury |
| chromium |

## Site Environmental Assessment

The primary contaminants of concern at the site are metals.The site has been remediated. Asbestos abatement, building demolition and soil removal has been completed. An Environemental Easement will not be required for the property

## Site Health Assessment

This site no longer represents a public health concern because metals-contaminated soils were excavated and properly disposed off-site and municipal water serves the area.

For more Information: E-mail Us

Refine This Search

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

# Environmental Site Remediation Database Search Details

## Site Record

### Administrative Information

**Site Name:** Former Hamilton Reproduction
**Site Code:** B00020
**Program:** Environmental Restoration Program
Classification: C
**EPA ID Number:**

### Location

**DEC Region:** 3
**Address:** 166-186 North Hamilton Street
**City:**Poughkeepsie (c) Zip: 12601-
**County:**Dutchess
**Latitude:** 41.71181953
**Longitude:** -73.92125559
**Site Type:**
**Estimated Size:** 1.96 Acres

### Institutional And Engineering Controls

**Control Type:**
Environmental Easement

**Control Elements:**
Ground Water Use Restriction
Vapor Mitigation
Soil Management Plan
Landuse Restriction
Site Management Plan

### Site Owner(s) and Operator(s)

### Site Description

Investigate approximately 1.96-acre property previously used for various manufacturing operations including buttons, clothing and printing. Contamination included PCBs, asbestos, solvents and petroleum from a 10,000 gallon underground storage tank. The site has been remediated. Asbestos abatement,building demolition and soil removal has been completed. An Environmental Easement was recorded by the County clerk on 6/2/2009. SMP is complete and COC was signed 6/11/2010.

### Summary of Project Completion Dates

Projects associated with this site are listed in the Project Completion Dates table and are grouped by Operable Unit (OU). A site can be divided into a number of operable units depending on the complexity of the site and the number of

issues associated with a site. Sites are often divided into operable units based on the media to be addressed (such as groundwater or contaminated soil), geographic area, or other factors.

Project Completion Dates

## Contaminants of Concern (Including Materials Disposed)

**Contaminant Name/Type**

ethylbenzene
iron
trichloroethene (TCE)
benzo(b)fluoranthene
tetrachloroethene (PCE)
toluene
benzene
copper
benzo[k]fluoranthene
benzo(a)anthracene
dibenz[a,h]anthracene
lead
chromium
chrysene
indeno(1,2,3-CD)pyrene
arsenic
benzo(a)pyrene
xylene (mixed)

## Site Environmental Assessment

The primary contaminants of concern at the site are solvents, PCBs,and BTEX. The site has been remediated. Asbestos abatement, building demolition and soil removal are completed. Environmental easement and site management plan are in place.

## Site Health Assessment

Exposures to potentially contaminated groundwater and/or soils are not expected because public water serves this municipality and contaminated soils have been removed. The environmental easement requires that the potential for vapor intrusion into any buildings developed on the site must be evaluated, including provisions for mitigation of any impacts identified.

For more Information: E-mail Us

Refine This Search

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

# Environmental Site Remediation Database Search Details

## Site Record

### Administrative Information

**Site Name:** HRH Lead Abatement Site
**Site Code:** 314122
**Program:** State Superfund Program
Classification: A
**EPA ID Number:**

### Location

**DEC Region:** 3
**Address:** 55 Garden Street
**City:**Poughkeepsie Zip: 12601
**County:**Dutchess
**Latitude:** 41.705761
**Longitude:** -73.925741
**Site Type:**
**Estimated Size:** 0.17 Acres

### Site Owner(s) and Operator(s)

**Current Owner Name:** HRH Neighborhood Development Fund Company
**Current Owner(s) Address:** 313 Miller Street
Poughkeepsie,NY, 12601

### Site Description

Location: The site is located at 55 Garden Street in the City of Poughkeepsie, Dutchess County. Site Features: The 0.17 acre site includes a single family home with small front and rear yards. Current Zoning and Land Use: The site is currently zoned and in use as a single family residence. Past Use of the Site: The site was a single family residence that was abated for lead paint as part of a rehabilitation project. Site Geology and Hydrogeology:

### Site Environmental Assessment

The primary contaminant associated with the site is lead, which resulted from the abatement of lead paint as part of the rehabilitation of the structure. All lead resulting from the abatement was containerized and properly disposed off-site.

For more Information: E-mail Us

Refine This Search

# STORMWATER POLLUTION PREVENTION PLAN

Prepared for

## HIGH STREET APARTMENTS

Located at

**27 High Street**
**City of Poughkeepsie, Dutchess County, NY**
**Tax ID 6162-62-192294 & 6261-62-180291**

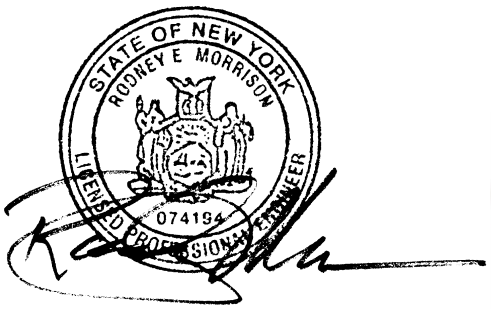
Submitted

August 31, 2021

Prepared for

**27 High Street Lofts, LLC**

PO Box 792
Poughkeepsie, NY 12601




Prepared by

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LRC Environmental Services, Inc.

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# APPENDICES

**Appendix A**: Construction Site Log Book
Owner/Developer and Contractor Certification Forms
Pre/Duration Construction Maintenance Inspection Checklist (NYSDEC Sample)
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**Appendix B:** Notice of Intent (NOI)
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**Appendix C:** Pre-Development and Post-Development Run-off Calculations

**Appendix D:** Supporting Design Information and Calculations
NYSOPRHP Correspondence

**Appendix E:** Soils Map
Map Pocket: Pre- & Post-Development Drainage Area Maps

**Appendix F:** 25 Year Hydraulic Grade Evaluation

# 1.0 INTRODUCTION

This Water Quality and Quantity Plan and Stormwater Pollution Prevention Plan (SWPPP) have been prepared pursuant to the Environmental Protection Agencies' (EPA) and the New York State Department of Environmental Conservations (NYSDEC) Phase II Storm Water Regulations. All parties, as defined below, are responsible for executing the SWPPP and for complying with the requirements set forth in the EPA's National Pollution Discharge Elimination System (NPDES) General Permit, the NYSDEC's State Pollution Discharge Elimination System (SPDES) General Permit GP-0-20-001, and any local governing agencies having jurisdiction with regard to erosion and sediment control.

The purpose of the SWPPP, described herein, is to provide for the proper control and treatment of water quality and quantity impacts due to the proposed project. These controls and treatments will be achieved through the use of appropriate features such as conveyance piping and underground infiltration chamber. The goal is to manage the post-development storm water discharge to match or improve on the pre-development conditions, provide necessary water quality treatment and quality control for the new development and prevent discharge of pollutants into receiving waters, in keeping with the afore-noted regulations and best management practices as described within the New York State Erosion and Sediment Control Manual and the New York State Stormwater Design Manual.

This SWPPP outlines methods that Owner/Developers and Contractors can use to adjust construction practices in a way that will retain surface water quality and prevent sediment laden runoff from entering rivers, streams, estuaries, wetlands and other sensitive environments. This SWPPP describes methods for permanent stormwater management features in the design and runoff management during the construction phase.

## 1.1 Responsibilities of the Participants

It is the responsibility of the Owner/Developer, General Contractor and subcontractors to comply with the measures set forth in this SWPPP and implement pollutant control measures which retain surface water quality and prevent sediment laden runoff from entering rivers, streams, estuaries, wetlands and other sensitive environments. The following outlines the responsibilities of all participants.

***Owner/Developer's Qualified Representative***

1. Prepare this Water Quality and Water Quantity Report and SWPPP using good Engineering practices, best management practices and in compliance with NYSDEC Phase II Storm Water Regulations. The Owner/Developer, General Contractor and all Sub Contractors involved in earth disturbance during construction must certify this Plan by signing the certifying statement contained in **Appendix A**.
2. Prepare the Notice of Intent (NOI) for the Owner/Developer for submission to the NYSDEC at least 5 days prior to commencement of construction.
3. The SWPPP that has been prepared for the job site shall include certification forms and a completed and signed NOI.
4. Provide copies of the SWPPP and the "Acknowledgement of Notice of Intent" to the local government agencies having jurisdiction or regulatory control over the project.
5. Review the site prior to the beginning of construction and certify in an inspection report that the appropriate pre-construction erosion and sediment control measures outlined herein, and

that are required by the NYSDEC SPDES General Permit, have been installed and will operate as designed.

6. Conduct on-site inspections every 7 days for general compliance with the SWPPP and the NYSDEC SPDES General Permit. Inspection reports will be provided to the Owner/Developer within 24-hours of the field inspection. Any problem areas or areas in need of additional stabilization shall be made clear to the Owner/Developer. The Owner/Developer and the authorized person who is responsible for the overall operation of the site, such as a project manager or site superintendent, must certify these reports by signing the certifying statements contained at the end of the reports and must be maintained in the on-site log book as described below.
7. Review onsite Contractors SWPPP records to ensure compliance and update them as required or necessary.
8. Update the SWPPP each time there is a significant modification to the design or construction which may have a significant effect on the potential for discharge of pollutants into receiving waters.
9. When construction is complete, provide the Owner/Developer with certification that an inspection has been completed verifying that the site has undergone final stabilization.
10. When the site has undergone final stabilization, prepare the Notice of Termination (NOT) for the Owner/Developer for submission to the NYSDEC.

***Owner/Developer/Operator/Permittee***

The following is a summary of the Owner/Developer's responsibilities:

1. Sign the NOI contained in **Appendix B** and certify the SWPPP by signing the Owner/Developer's Certification statement contained in **Appendix A** of this report. The NOI should be submitted to:

   NYSDEC "Notice of Intent"
   Bureau of Water Permits
   625 Broadway
   Albany, New York 12233-3505

2. When the Owner/Developer receives a letter of "Acknowledgement of Notice of Intent" from the NYSDEC, post a copy of this letter at the site for public viewing on a kiosk, in a construction field trailer, in model home, etc. A copy should also be forwarded to the Owner/Developer's Qualified Representative for the project file.
3. Post at the site with the "Acknowledgement of Notice of Intent" a SWPPP inspection activity log for public viewing on a monthly basis.
4. Ensure that a log book, containing all the required documentation, is kept on site and made available for inspection upon request. The book should contain an extra copy of the "Acknowledgement of Notice of Intent", a copy of this Water Quality and Water Quantity and SWPPP report, weekly SWPPP inspection reports, SWPPP inspection quarterly reports and a copy of the SPDES General Permit.
5. Ensure the SWPPP report, inspection reports and inspection quarterly summaries are certified by an authorized person who has responsibility for the overall operation of the site such as a project manager or site superintendent. Certification of these documents is executed by signing the certifying statements contained in **Appendix A** and at the end of the inspection reports.

6. Require the General Contractor and all Sub Contractors involved with construction activity that disturbs site soils, to fully implement the SWPPP and the requirements set forth in the SPDES General Permit. The SWPPP should be certified by the General Contractor and all Sub Contractors involved with earth disturbance during construction by signing the certifying statement in **Appendix A**.

7. Upon project completion and when the site has reached final stabilization, the Owner/Developer should sign the Notice of Termination (NOT) prepared by the Owner/Developer's Qualified Representative and submit to:

   NYSDEC "Notice of Termination"
   Bureau of Water Permits
   625 Broadway
   Albany, New York 12233-3505

8. Retain all site records and documentation including Engineering reports, SWPPP reports, SWPPP inspection reports and all records of data used to complete the NOI for a minimum of 3 years from the date the site reached final stabilization.

9. Provide an Operation & Maintenance (O&M) manual to the new Owner/Developer who is expected to conduct the necessary O&M over the life of the structures as described in Section 10.0 of this report.

***Contractors and Sub-Contractors***

The following is a summary of the Contractor's responsibilities:

1.0 Implement fully the SWPPP while following the Phasing Plan and the requirements set forth in the SPDES General Permit. Certify the SWPPP by signing the Contractor's Certification statement contained in **Appendix A** of this report.

2.0 Provide the names and addresses of all subcontractors' involved in construction activities that disturb site soils for inclusion in the SWPPP.

3.0 Ensure all Sub Contractors involved in construction activities that disturb site soils implement fully the SWPPP and the requirements set forth in the SPDES General Permit. All Sub Contractors must certify the SWPPP by signing the Contractor's Certification statement contained in **Appendix A** of this report.

4.0 Conduct inspections on a regular basis of the erosion and sedimentation controls installed at the site. Maintain and repair as necessary all erosion and sedimentation controls.

1.2 Participant Contact Information

| Owner/Developer/Operator | Owner/Developer's Qualified Representative | Contractor's & Sub- Contractors |
|---|---|---|
| **27 High Street Lofts, LLC**<br>PO Box 792<br>Poughkeepsie, NY 12601 | **LRC Engineering & Surveying, PC**<br>85 Civic Center Plaza, Suite 103<br>Poughkeepsie, NY 12601<br>(845) 243-2880 | **TBD** |

## 2.0 SITE DESCRIPTION

This section briefly describes existing and proposed hydrologic and hydraulic conditions at and around the project site as they relate to Surface Water Management planning considerations. Subsequent sections contain a description of the manner in which site runoff will be managed to minimize effects on areas adjacent to the site.

### 2.1 Location

The project is a combined parcel with a total area of 1.234 acres located at 27 High Street in the City of Poughkeepsie, New York. The properties are identified as Tax ID # 6162-62-192294 and 6162-62-180291 on the Dutchess County Parcel Records. The site is located on the south side of Zimmer Avenue, west side of Elm Place, east side of Croyden Court, and the north side of High Street. (See **Figure 1** below). The project has UTM coordinates of 589599 Easting and 18043 Northing.




***Figure 1: Property Vicinity Map***

### 2.2 Topography

Elevations slope from the southwest corner of the property to the northeast corner of the property. Currently there is about a 25 foot elevation change between the two corners. The proposed work will be redeveloping the property. The existing building on site will remain and an additional building will be constructed where the northern parking lot currently exists. There will be an undercover parking garage that will be located at the lower-level elevation and will be accessed from Zimmer Avenue. The upper most parking lot will remain and be reconfigured but keeping the same drainage pattern. The upper parking lot currently all flows to two existing catch basins located in the northeast corner of the parking lot. This stormwater daylights to the corner of the building where is then flows into one of two catch basins located at the corner of Zimmer Avenue and Elm Place, where it will tie into the existing municipal system.

### 2.3 Land Cover and Site Development

The existing land cover consists of a combination of impervious building structures, asphalt pavement, grass, and concrete sidewalks. Currently there is an existing four store abandoned brick building that

use to be an old office building. There are existing street tree along the shoulder of High Street. The proposed development will reduce the amount of impervious area. The existing area has 1.08 acres of impervious surface whereas the proposed development will total 1.06 acres of impervious surface.

Offsite drainage areas have been compiled from available mapping, site inspections, and county topographic data. Impervious calculations in this report and used for stormwater calculations are based on total watershed area and may differ from other calculations which are site specific. Detailed land use values for each drainage area can be found in the Hydro CAD reports included in **Appendix C**.

## 2.4 Soils

Soils mantling the site have been classified by the United States Department of Agriculture (USDA) Soil Survey of Dutchess County, New York. The following soils groups are present, based on the afore-noted mapping:

1. Ur: Urban Land
    a. At the time of the soil survey these areas consisted of impervious surface covering the underlying soil. Slopes range from 0 to 5 percent.

According to NRCS soil hydraulic classifications Ur is a "Class D" soil. On-site deep testing and infiltration testing around the site stormwater improvements revealed, primarily, a consistent poor-draining "Class D" soil type. The results of the onsite soil tests can be found in **Appendix D** and a map of the soils can also be found in **Appendix D**.

## 2.5 Rainfall Data

Rainfall data utilized in the modeling and the analysis was obtained from NRCS & NRCC Extreme Precipitation in New York and New England, an interactive web tool for extreme precipitation analysis. The data used is specific to Poughkeepsie NY and various 24-hour storm events are presented below. A record of the extreme precipitation data is included in Appendix D.

| 24-Hour Storm Event | 24-hour rainfall |
|---|---|
| 1 year | 2.61 |
| 2 year | 3.16 |
| 10 year | 4.68 |
| 25 year | 5.85 |
| 100 year | 8.23 |

## 2.6 Streams and Water Bodies

There are no streams or water bodies located onsite. The nearest water body is an offsite tributary located north of the property. According to NYSDEC Environmental Resource Mapper and USFWS Wetland Mapper there are no ACOE or NYS DEC wetlands located on site. According to FEMA mapping there is a Flood Zone "A" that is that clips the northeast corner of the property.

## 2.7 Wetlands and Floodplains

There are no wetlands located on the site.

## 2.8 Historical and Cultural Resources

The project area has been reviewed in accordance with Section 106 of the National Historic Preservation Act of 1966. The project will have no effect upon cultural resources in or eligible for inclusion in the

National Registers of Historic Places. A letter from the New York State Office of Parks, Recreations and Historic Preservation is included in **Appendix D**.

## 3.0 PROJECT DESCRIPTION

The proposed project will redevelop the existing site. The existing four-story brick building that was originally an office building will be converted into apartments. The existing garage will be demolished along with the utility structures associated with it. The lower parking lot will be demolished to make room for a new four-story building that will attach to the existing four-story building. The new section of the building will include a parking garage located at the lowest level that will have access from Zimmer Avenue. The upper most parking lot will be reconfigured to add additional landscape areas, new sidewalks and handicap accessible parking areas.

## 4.0 METHODOLOGY

The stormwater design approach for this project will accommodate all NYS DEC requirements and will ensure that water quality and water quantity volumes are managed accordingly. The methodology for designing the stormwater management, as well as, the erosion and sediment control structures for this project are as follows:

1. Evaluate the hydrologic condition of the tributary area using the USDA-SCS Technical Release No. 20 (June 1986) Methods.
2. Determine peak flows from each watershed, for various storm events, using the Hydro CAD computer program.
3. Determine the water quality volume, runoff reduction volume, channel protection volume, overbank flood protection volume and extreme storm flood protection volume for each drainage area that requires mitigation. Design the mitigation program to the DEC water quality and quantity methodology for each affected area.
4. Perform hydrologic routings for the selected stormwater systems using the Hydro CAD computer program. Examine and compare the output for the DEC design criteria, and also for peak elevations and peak outflows for both pre and post-development conditions as may be prescribed by the local authority.
5. Design the erosion and sedimentation control structures, and prepare engineering calculations for the design of channels and conveyance piping in accordance with the "New York Standards and Specifications for Erosion and Sediment Control", July 2016, New York State Department of Environmental Conservation".

### 4.1 Green Infrastructure Planning Guidelines

The proposed project has been designed to implement as many green infrastructure planning guidelines as possible. All of the guidelines are not always applicable or cannot be achieved. The planning methods are discussed below.

***Preservation of Undisturbed Areas***

The proposed project is located in a portion of the site that has been disturbed in the past.

***Preservation of Buffers***

There are no existing stream, river, or wetland vegetated buffers on the project site.

***Reduction of Clearing and Grading***

The proposed project is located in a previously disturbed area which has already been cleared in the past. This reduces the need for further clearing and grading on the property.

***Locating Development in Less Sensitive Areas***

As described above, the project is located in an area of the site that has been previously disturbed.

***Open Space Design***

The proposed development is designed so the buildings are grouped together.

***Soil Restoration***

Any soil disturbed during the course of construction will be restored in accordance with the NYSDEC Stormwater Design Manual, Section 5.1.6.

***Roadway Reduction***

There are no proposed roads in this project.

***Sidewalk Reduction***

The proposed sidewalks are to the City code.

***Driveway Reduction***

The drive aisles are 20 feet wide, the required by code for one way traffic.

***Cul-de-sac Reduction***

There are no proposed cul-de-sacs or dead ends. The layout has a continuous drive aisle to achieve sufficient vehicle access while eliminating the need for large unnecessary dead ends.

***Building Footprint Reduction***

No buildings will be reduced or removed as part of this project.

## 5.0 HYDROLOGIC AND HYDRAULIC ANALYSIS

Stormwater Management Design has the purpose of improving the quality of surface water runoff from all impervious areas and providing retention for increased runoff quantities that may occur. For the proposed project, the appropriate methodology to manage stormwater is to capture and treat runoff for quality and quantity control for the site.

The hydrologic analysis was performed uses the Hydro CAD stormwater modeling software, and all data regarding areas has been calculated in AutoCAD. Soils information has been obtained through mapping per the NRCS Dutchess County Soils Survey, onsite deep tests and infiltration tests. The results of the Hydraulic Analysis can be found in **Appendix C**.

### 5.1 Proposed Runoff Treatment – Water Quality

By allowing stormwater runoff to infiltrate back into the ground we are able to minimize the impacts on the surround surface waters and treat the runoff through exfiltration into the sub surface soils. The evaluation of the site to determine the water quality volumetric requirements follow strictly the procedures presented in chapters 4 & 5 of the New York State Stormwater Design Manual, and is provided in full in **Appendix D**.

The table below summarizes the volumes required and provided for runoff reduction and water quality; The proposed redevelopment is shown on the pre and post drainage area maps in **Appendix E**.

| **Water Quality Volume Calculations** | | | REDEVELOPMENT |
|---|---|---|---|
| Trib Area | 1.28 | ac | |
| Imperv Cover: | 1.07 | ac | |
| Imperv. % | 83.58 | | |
| **Stormwater Management Practice Selection:** | | | |
| Underground Infiltration Chambers | | | |
| **Uniform Sizing Criteria:** | | | |
| Water Quality (WQv) | P= | 1.05 | |
| | *I*= | *83.6* | |
| | Rv= | 0.8022 | |
| | A= | 1.28 | |
| | WQv= | 0.09 | AC-FT |
| | | 3,922.9 | CF |
| 25% WQv Redevelopment | | **0.02** | AC-FT |
| | | **980.7** | CF |

**Minimum Runoff Reduction Requirements**

RRV = 90% rain (P) x Rv* x S x total impervious area (AI from #2) / 12
with S = .55 (A soils); .40 (B soils); .30 (C soils); .20(D soils) OR weighted HSG average in DA

Weighted HSG= 0.2

| | | |
|---|---|---|
| **Min RRV** = | 0.018 | ac-ft |
| **Min RRV** = | 776.55 | cu-ft |

Overall, there is a reduction of impervious in this area. The discharge rate is reduced and the reduction in impervious surface will reduce the potential for pollutants. Based on the size, location, and site features it is not the ideal location to treat runoff. To provide a water quality practice in this location, would require significant number of underground chambers.

The total impervious surface created and or modified by the proposed project is 0.99 acres. The impervious surface treated by the proposed Underground Chambers totals 0.31 acres.

Water quality requirements for the proposed project will be achieved via a runoff reduction practice. Runoff reduction practices will satisfy the minimum required runoff reduction volume (RRv) by use of direct infiltration via underground infiltration chambers. For this design the entire WQv is provided in a runoff reduction practice so 100% of the RRv will be achieved.

| Design Parameters | | |
|---|---|---|
| | | |
| Select Stormtech Chamber | SC-740 | |
| Stone Porosity (Industry Standard 40%) | 40 | % |
| Stone Foundation Depth | 6 | Inches |
| Avg Cover Over Chambers | 24 | Inches |
| Storage Volume Per Chamber | 74.9 | CF |
| Storage Volume Per End Cap | 0 | CF |
| | | |

| UGC # | Required WQv | Min Chambers Required | Chambers Provied | End Caps Provided | WQv Provided | RRv Provided |
|---|---|---|---|---|---|---|
| 1 | 1129.9 | 15.1 | 15 | 6 | 1123.5 | 1011.15 |

***Pretreatment***

For underground infiltration practices designed to treat stormwater runoff through infiltration, the stone bed surface area is the mechanism to provide treatment. The system must be sized to store runoff long enough it can be infiltrated into the subsurface soils. Pretreatment is required to prevent sediments from clogging the stone bed and preventing infiltration. For underground chambers pretreatment is typically provided in isolator rows.

According to the NYSDEC Stormwater Design Manual infiltration practices require 25% pretreatment when the underlying soil infiltration rate is less than 2 inches per hour. One of the methods for pretreatment is a pretreatment settling chamber (Isolator Row). The settling chamber should be sized in accordance with 6.4.3 of the design Manual.

The proposed isolator row surface area is 165 sq ft. According to the required settling chamber sizing requirements the proposed design exceeds the required pretreatment volume.

5.2 Proposed Stormwater Management – Water Quality

The design observation points have been modeled in Hydro CAD and represents the total flow leaving the project drainage areas. One drainage point has been evaluated based on the proposed site development. The drainage analysis points is shown on the pre and post drainage area maps in **Appendix E.** The table below displays the peak discharge rates for the design points and demonstrates that discharge rates for post construction are less than or equal to what is currently produced at the design points meeting the requirements of Overbank Flood Protection and Extreme Flood protection.

Channel Protection Volume is not required if the Runoff Reduction volume is reduced onsite through runoff reduction techniques or infiltration practices.

| Peak Flow Discharge Rate DP-1 | | | |
|---|---|---|---|
| **Storm Event** | **Pre (cfs)** | **Post (cfs)** | **Net Reduction (cfs)** |
| 1 | 4.2 | 4.0 | **-0.2** |
| 2 | 5.2 | 5.0 | **-0.2** |

| | | | |
|---|---|---|---|
| 10 | 7.9 | 7.6 | **-0.3** |
| 25 | 9.9 | 9.6 | **-0.4** |
| 100 | 14.1 | 13.6 | **-0.5** |

| **Peak Flow Discharge Rate CITY CB** | | | |
|---|---|---|---|
| **Storm Event** | **Pre Elev (ft)** | **Post Elev (ft)** | **Net Reduction (ft)** |
| 1 | 156.9 | 155.8 | **-1.1** |
| 2 | 157.9 | 156.2 | **-1.8** |
| 10 | 158.4 | 157.7 | **-0.7** |
| 25 | 158.6 | 158.3 | **-0.3** |
| 100 | 159.0 | 158.7 | **-0.3** |

### 5.3 Hydraulic Grade Evaluation

The stormwater model has been developed to show the proposed storm system has the capacity to adequately convey stormwater runoff during large storm events. The hydraulic analysis for the 25 year storm event can be found in **Appendix F**. The model shows the peak water elevation does not exceed the elevations available in the storm system.

## 6.0 PERMANENT STORMWATER MANAGEMENT FEATURES

### 6.1 Conveyance Piping

Storm runoff from developed areas will be conveyed to and through the stormwater system by a series of underground piping and surface flows. Due to relatively small watershed areas associated with each catch basin, the SCS Unit Hydrograph TR-55/TR-20 Method and inlet capacities for circular pipes were used for pipe sizing. In general, piping is designed such that:

- All proposed piping is sized to accommodate the peak flow from the 25-year 24-hour storm, as prescribed by the local authority.
- Flow capacity is sufficient to convey runoff to the receiving discharge points
- Strength is sufficient to withstand the soil cover and vehicle loads.
- In some instances the existing site drainage system is not capable of conveying all of the runoff contributing to the drainage structure. The model shows that the basins fill and sheet flow overland to the next available drainage structure in large storm events. In no cases does the "surcharging" exceed 6 inches. In these locations the post condition has been improved to convey the flow or reduce the "surcharging".

### 6.2 Stormtech Underground Infiltration Chambers

Stormtech underground infiltrator units are design to detain runoff and allow it to infiltrate into the existing site soils. Infiltrator chambers are ideal on sites with well-draining soils and limited open areas for open air vegetated practices. Infiltrator chambers provide storage within the chamber and within the voids that existing in the stone media surrounding the units.

- Flow capacity is sufficient to infiltrate into existing soils.
- Strength is sufficient to withstand the soil cover and vehicle loads.
- Isolator row is accessible via storm structure and 24" diameter conveyance piping.

## 7.0 STORMWATER EROSION AND SEDIMENT CONTROLS

Several types of permanent and temporary storm water pollutant controls are required to be installed and implemented for pre-construction, during construction and post-construction as shown on the Construction Plans and per the NYSDEC SPDES General Permit. Guidelines and recommendations can be found in the "New York State Standards and Specifications for Erosion and Sediment Control."

The permanent storm water management system has been designed to accommodate peak storm flows utilizing catch basins, piping and grass swales.

Selection of temporary storm water controls will be on an "as needed basis" and will depend on the specific conditions of the site. Since site characteristics can change significantly during construction, it is important to monitor the site regularly to ensure the proper selection and implementation of the necessary controls. These controls include, but are not limited to, silt fence, drainage swales, check dams, hay bales, stone construction entrances, sediment traps and seeding and mulching.

### 7.1 Erosion and Sediment Controls

***Temporary Stabilization***

Silt fences, drainage swales, stabilized stone construction entrances, erosion control blankets, and seeding and mulching, as well as, other controls will be utilized as temporary surface water management features. See the Erosion and Sediment Control Plan(s) and details sheets for the location, size, quantity and details of the temporary stormwater management features as described below.

***Silt Fence***

Silt fence will be used as necessary to reduce the sediment load in the receiving drainage ditches and as a perimeter sediment control device. In addition, silt fencing will be placed on the downslope sides of all disturbed areas 5 ft. from the toe of the slope until more permanent drainage and erosion control structures are established. In cases with environmentally sensitive areas adjacent to the downslope sides of disturbed areas, silt fencing should be placed at the toe of the slope outside the sensitive area. All silt fence are to be 36" minimum length with built in woven wire mesh (min. 6X6 14 ½ gauge) unless otherwise specified on the construction details.

***Inlet Protection***

Storm drain inlet protection measures prevent soils, sediment, and debris from entering storm basins. In unpaved areas inlet protection shall consist of a row of silt fence completely encircling the drain inlet. In paved areas inlet protection can consist of stone and block, silt sox, or hanging filter traps as specified on the plans.

***Stabilized Stone Construction Entrance***

A construction entrance is used at all entrances and exists to construction activities. The stone construction entrance is stabilized to reduce tracking of mud and dirt onto surrounding roads and surfaces.

***Erosion Control Blanket***

Erosion control blankets are used on steep slopes to provide adequate protection after the slopes has been graded and prior to the establishment of proper vegetation. Blankets are made from many forms of materials and products. Refer to the site specific details for the erosion control blankets to be used for this job. Erosion control mats are required on all slopes which exceed 1V:2H.

***Seeding and Mulching***

Seeding and mulching is one of the most important and underutilized erosion control practices. Exposed earths pose the greatest risks for erosion and sediment. In areas where soil disturbance activity has temporarily or permanently ceased, the application of soil stabilization measures must be initiated by the end of the next business day and completed within fourteen (14) days from the date the current soil disturbance activity ceased. Temporarily Ceased means that an existing disturbed area will not be disturbed again within 14 calendar days of the previous soil disturbance.

***Soil Stockpile***

A soil stockpile is formed with soil excavated to provide proper building elevations. Stockpiled soil is later used to contour the surface to the desired grades, removed from the site, or the material is used for reclamation/restoration of the region following the removal of roads and facilities. All soils piled onsite must be completely enclosed by silt fence around the toe of the slope. The site fence should be installed a minimum of 2 feet from the toe of the slope. The soil pile should have a maximum side slope of 1V:2H. All soil piles must be stabilized with seed and mulch or covered with a plastic tarp if the soil will not be used within fourteen (14) days from the date the current soil pile was created.

***Permanent Stabilization***

Permanent stormwater stabilization measures include catch basins, piping and other stormwater structures as described in sections 5 and 6. In all instances, the structures associated with the stormwater management system have been sized to accommodate peak flows from the appropriate storm events as required by the governing municipality. All lawns, basins and swales will be permanently seeded and mulched and maintained as necessary to prevent over growth.

***Concrete Washout Areas***

Concrete washouts are used to contain concrete and liquids when the chutes of concrete mixers and hoppers are cleaned after a delivery. The washout facility consolidates the liquids and allows them to harden for easy disposal. This prevents contaminated liquids from flowing offsite or leaching into the groundwater aquifer.

7.2 Other Pollutant Controls

***Paints and Solvents***

During construction temporary structures such as construction trailers may be moved on site to store items such as paints, solvents and gasoline pertinent to the continuation of construction activities. The intention of these structures is to shelter potential contaminants from stormwater and reduce the potential of toxic chemicals from entering the stormwater runoff due to construction activities.

Solvents and detergents that will be used for regular cleaning and maintenance of construction vehicles or temporary structures may be stored on-site. Solvents shall be used in cleaning machinery pursuant to 6 NYCRR Part 750. After use, solvents shall be disposed of in approved containers and removed from site at scheduled intervals.

***Fuels***

Fuel for construction equipment shall either be obtained from a licensed distributor of petroleum products or from an approved above ground storage tank on site. A distributor may be contracted to arrive on site periodically and fill all equipment as necessary. All distributors of petroleum products must have adequate liability insurance to mitigate and clean up any spills that occur on site as well as obtain appropriate permits and licenses from the NYSDEC. All above ground storage tanks with a

combined capacity of 1,100 gallons shall be registered with the NYSDEC pursuant to 6 NYCRR Part 614 Standards for New and Substantially Modified Petroleum Storage Facilities.

Fuel from construction vehicles may come into contact with stormwater when vehicles are stored outside. Good housekeeping and preventative maintenance procedures shall be implemented to ensure fuel spills and leaks are minimized during refueling and storage. Any small-scale fuel or oil spills must be remedied immediately and contaminated soils shall be disposed of appropriately. A licensed spill prevention and response team shall handle large-scale gasoline spills.

Oil and other petroleum products may be stored on site, in limited quantities, to ensure the continued operation of construction equipment in the event a scheduled delivery is unavailable. Items shall be stored in their original containers within temporary structures and shall not be exposed to stormwater. Used oil and petroleum products shall be stored in approved containers until recycled or disposed of at an approved disposal facility.

***Temporary Facilities***

Temporary sanitary facilities may be located on site for construction workers. This facility shall be located in an accessible and visible location. Such a facility shall be leak and tip proof. A waste management company may be contracted to arrive on site and provide the routine pumping and sanitization of the facility. Such a company shall have adequate liability insurance to mitigate and clean up any spills that occur on site as well as appropriate permits and licenses from the NYSDEC.

***Dust Control***

Construction vehicles shall enter and exit the site at the stabilized construction entrance. The construction entrance will trap dust and mud that would otherwise be carried off-site by construction traffic. Water trucks will be used as needed during construction to reduce dust generated on the site. The general contractor will provide dust control in compliance with applicable local and state dust control regulations. The construction entrances will be maintained during the life of the construction and repaired, and/or cleaned, periodically to ensure proper function.

***Dewatering***

If dewatering is required the water must be free of silt and sediment prior to discharge offsite or to any existing water bodies. If sediment is present, methods of sediment removal may include, but are not limited to; silt bags, temporary sediment traps, temporary sediment basins, or sheet flow across stabilized vegetated surfaces. As the quantity and quality of water cannot accurately be determined prior to excavation dewatering practices must be determined during construction and should be approved by the site engineer prior to commencing any dewatering activities.

***Solid Waste***

No solid materials are allowed to be discharged from the site with stormwater. All solid waste shall be collected and placed in containers. The containers will be emptied periodically by a contract trash disposal service and hauled away from the site.

***Thermal Pollution***

Stormwater that comes in contact with roadways, driveways, parking lots or other impermeable surfaces may increase in temperature during warm weather. If stormwater is discharged into surface water bodies, the temperature of the water body may also increase, potentially threatening plant and animal species sensitive to temperature changes as well as providing an environment that may cause nuisance species to flourish.

After development is complete, impervious areas shall be graded to channel water to catch basins and culverts, which in turn convey stormwater to the stormwater management basin. All stormwater shall be stored and treated within the basins and shall be released over a 24 hour period, which shall minimize the potential for raising the temperature of any downstream water bodies.

### 7.3 Best Management Practices

Throughout construction, care shall be taken to ensure sediment does not enter surface water bodies and chemicals do not enter stormwater, potentially contaminating surface and groundwater supplies. The following Best Management Practices (BMP) shall be observed to maintain responsible environmental practices on the construction site.

#### ***Good Housekeeping***

Good housekeeping is essential to reducing the risk of contaminating runoff waters during every stage of construction. The General Contractor shall ensure supervisors train each employee in good housekeeping practices as they pertain to the implementation of this SWPPP.

Immediately following mobilization, the General Contractor shall take an inventory of all equipment and containers containing hazardous or toxic materials and submit this inventory to the Owner/Developer to keep on-site with this Stormwater Pollution Prevention Plan. This inventory shall be updated regularly to reflect changes in the quantity or type of hazardous and toxic materials stored on site. In the event of a spill, the Spill Response Team can refer to the inventory if the contents of the spill are unknown.

All equipment shall be operational while it is stored on site. Inspections shall be conducted regularly to ensure all equipment is free of leaks and that oil and grease are not in contact with soils or stormwater. Portable equipment such as chain saws, drills, as well as hand tools, must be placed within a trailer or under cover at the end of each work day.

A storage area shall be designated on-site where all hazardous or toxic materials are stored. Each employee shall return the materials to the designated storage area following use. Chemicals including oil, grease, solvents and detergents shall be stored on-site in approved containers only. Used chemicals shall be disposed of in refuse containers and removed periodically. Containers shall be regularly inspected to ensure the integrity of the container and sealed to prevent leaks.

A scheduled clean-up shall occur at the end of each workweek. During this clean up, empty containers of solvents, oils, grease, paints and detergents shall be disposed of, containers of gasoline shall be placed in trailers where they are not in contact with stormwater and the inventory shall be updated. Empty containers shall not be permitted on the ground.

#### ***Preventative Maintenance***

All on-site vehicles must be inspected regularly for oil and grease leaks. All leaks shall be repaired immediately upon obtaining the appropriate equipment. If the leak cannot be fixed immediately, it shall be temporarily mitigated to prevent the flow of contaminants onto the soil and potentially into the stormwater. If necessary, the reservoir will be drained to stop the flow of contaminants or the vehicle will be moved under cover. Drip pans shall be used when performing any maintenance or cleaning on construction vehicles.

***Spill Prevention and Response***

The safety of employees and neighbors shall be of utmost concern when hazardous or toxic chemicals are stored or utilized on-site. Safety Data Sheets (SDS) shall be obtained for all toxic or hazardous substances that are stored on-site to provide employees with a valuable database in assessing risk in the event of a spill.

Any above ground storage tanks on site shall be installed pursuant to 6 NYCRR Part 614. According to the New York State "Minimum Standards for New and Substantially Modified Above Ground Storage Facilities", all tanks installed must meet or exceed the design criteria in one or more of the following design or manufacturing standards: UL No. 142, UL No. 58, API Standard No. 650, API Standard No. 620, CAN4-S601-M84 or CAN4-S630-M84. Tanks constructed of wood, concrete, aluminum, fiberglass reinforced plastic as well as riveted or bolted steel tanks are not permitted. All tanks must have installed leak detection systems, secondary containment, corrosion protection, and undergo periodic monitoring pursuant to all Part 614 requirements.

Should a spill occur, a licensed spill contractor will be contacted to mitigate the potential negative effects of a spill. Additionally, the NYSDEC must be notified of a release of petroleum products. The General Contractor shall have trained employees knowledgeable in the location of sorbent, brooms, rags and mops in the event of a small-scale spill. An inventory of equipment and its location shall be posted in a visible location as well as kept in proximity to this Pollution Prevention Plan. If the General Contractor does not have Hazardous Materials trained employees on site, a firm that specializes in handling spills, soil and water contamination shall be called.

After a spill occurs, all personnel not trained in hazardous materials spill response shall be asked to evacuate the immediate area. The NYSDEC Spill Response Team shall be called to investigate the spill and determine if additional actions should be taken to ensure the safety of personnel and nearby residents. Should any employee have a suspected injury, a local emergency squad must be contacted immediately.

## 8.0 CONSTRUCTION SEQUENCE SCHEDULING

The scale of site construction does not necessitate that this project be a phased construction project; However, the construction will be sequenced to limit the exposed soils to reduce the amount of sediments in runoff water and ultimately preserve the quality of surface waters. The construction method selected is designed to combine development with responsible land management as well as protection of sensitive environments both within the proposed development and the surrounding area.

Temporary and permanent stabilization methods will be implemented before construction begins and will be continuously modified throughout the project to provide the best methods for stormwater management and pollution prevention. For more details pertaining to construction sequence, please refer to the "NYSDEC Instruction Manual for Stormwater Construction Permit" pages 23-26. A typical and sample ordering of site construction activities is as follows:

Pre-Construction Activities

- Identify all natural resources and mark and protect them as necessary i.e trees, vegetation, limits of disturbance.
- Identify on-site and downstream surface water bodies and install controls to protect them from sedimentation.

- Establish temporary stone construction entrance pads to capture mud and debris from the tires of construction vehicles.
- Install perimeter sediment controls such as silt fences, as shown on the project plans.
- Install temporary construction fencing as shown on the project plans or as directed by the site engineer.
- All earth disturbances during this phase should be limited to work necessary to install erosion and sedimentation controls.

During Construction Activities

- Complete building demolition in accordance with notes and procedures identified on the demolition plan.
- As site grading is completed install runoff and drainage controls as shown on the project plans and as necessary. These controls should reduce run-off flow rates and velocities, as well as, divert off site and clean run-off.
- Stabilize the conveyance system i.e. ditches, swales, berms etc. by seeding, mulching and installing rock check dams.
- Utilize practices to infiltrate stormwater runoff as much as possible when applicable.
- Stabilize all stormwater runoff outlets as shown on the project plans and as necessary.
- Limit soil disturbance to small areas and preserve as much of the existing vegetation as practical.
- Complete all underground utility improvements prior to installation of hard surface improvements.
- All topsoil stockpiles should be staged in an area away from surface waters and storm drains and should be protected and stabilized.
- Earth disturbance is not allowed in established buffers, within any regulated distance from wetlands, or within the high water line of a body of water affected by tidal action or other such protected zones.
- At any location where surface run-off from disturbed or graded areas may flow off-site, sedimentation control measures must be installed to prevent sedimentation from being transported.
- Regular inspections and maintenance should be performed as described in the following section.

Post-Construction Activities

- Identify the permanent structural or non-structural practices that will remain on the site.
- Provide an Operation & Maintenance (O&M) manual to the new Owner/Developer who is expected to conduct the necessary O&M over the life of the structures as described in Section 10.0 of this report.

## 9.0 IMPLEMENTING THE SWPP

### 9.1 Employee Training

All employees involved in site-development activities shall be aware of the stipulations outlined in this SWPPP as it pertains to their everyday activities. All such employees must be able to recognize potential problems and have the ability to provide either temporary or permanent stabilization measures, as appropriate, to mitigate stormwater runoff before problems occur. The NYSDEC periodically holds workshops on erosion and sediment control. It is recommended that the affected and responsible on-site personnel attend these workshops to ensure training is current and up to date. Contact the NYSDEC for more information.

## 9.2 Site Inspections

The Owner/Developer must have a qualified professional conduct an assessment of the site prior to the commencement of construction and certify in an inspection report that the appropriate erosion and sediment controls described in this SWPPP have been adequately installed or implemented to ensure overall preparedness of the site for the commencement of construction. A qualified professional is defined as a Professional Engineer or Landscape Architect licensed to practice in New York State, or is a Certified Professional in Erosion and Sediment Control (CPESC). Once construction begins regular inspection of construction activities by the qualified professional are required at least once every 7 days to ensure deficiencies regarding erosion and sedimentation are reported and corrected. It is the responsibility of the Contractor to continuously monitor construction activities to ensure the measures outlined in this report are being implemented.

Areas which have not been fully stabilized, areas used for materials storage and all structural control measures must be inspected once every 7 calendar days to monitor erosion and assess the risk of sedimentation. For sites where soil disturbance activities are on-going and the owner operator has received authorization in accordance with Part II.C.3 to disturb greater than five (5) acres of soil at any one time, the qualified inspector shall conduct at least two (2) site inspections every seven (7) calendar days. The two (2) inspections shall be separated by a minimum of two (2) full calendar days. For areas construction sites where soil disturbance activities have been temporarily suspended (e.g. winter shutdown) and temporary stabilization measures have been applied to all disturbed areas, the qualified inspector shall conduct a site inspection at least once every (30) calendar days.

A thorough site evaluation shall be performed to determine the continued applicability of the permit, and assess the need to make any changes that have not already been reflected in this SWPPP. The SWPPP shall be reviewed to evaluate its overall effectiveness in preventing sediment laden stormwater runoff. Temporary and permanent stabilization methods shall be assessed and new methods shall be established, should any method be determined to be inadequate.

A copy of the SWPPP must be maintained on site at all times in the field log book. The Owner/Developer must maintain a record of all inspection reports with the on site SWPPP. The SWPPP and inspection reports must be maintained on site and be made available to the permitting authority upon request.

## 9.3 Maintenance

It shall be necessary to maintain all temporary controls installed as well as vegetative measures across the site. Maintenance shall also be necessary to ensure the permanent structural features, such as underground chambers, catch basins and conveyance piping remain optimally functional and continue to reduce the risk of sediment loading of surface water bodies. All controls shall be repaired or replaced as necessary and as noted on the inspection reports as prepared by the Owner/Developer's Qualified Representative.

During construction, maintenance of these stabilization measures shall be the responsibility of the General Contractor or appropriate Sub Contractors. Vegetative plantings must not be allowed to become overgrown. Vegetation shall be removed should it be ineffective and be replaced with a variety of grasses, trees and shrubs more suitable for preventing stormwater runoff. Silt fences must be inspected regularly to ensure that they are still effective and their capability to reduce stormwater runoff has not been reduced due to prolonged sun exposure.

Piping and catch basin sumps shall be cleaned out periodically to prevent the collection of sediment that will reduce the maximum flow. Sediment must be removed from sediment basins, infiltration basins or traps whenever their capacity has been reduced by 50 percent of their design capacity.

Guidelines and recommendations for installation and maintenance practices can be found in the "New York State Standards and Specifications for Erosion and Sediment Control"

### 9.4 Progress Reports and Summaries

Progress reports shall be completed by the General Contractor and all Sub Contractors weekly to document any conditions, which may affect adherence to the construction schedule and may ultimately result in changes to the stormwater pollution prevention plan.

Each progress report must contain the project, date, weather conditions and a brief description of progress made throughout the week, including the use of temporary and permanent stabilization measures on all exposed soils. The progress reports shall be filed with this SWPPP in the on-site log book.

Additionally, as described in Section 1.1 of this report, the Owner/Developer's Qualified Representative will prepare weekly inspection reports and quarterly summaries. These reports should be maintained in the on site log book as well.

### 9.5 Certification

Prior to starting construction, the Owner/Developer must certify that to the best of their knowledge this SWPPP was prepared in accordance with the requirements in the NYSDEC SPDES General Permit and that it meets all federal, state and local erosion and sediment control requirements. The certifying statement is presented in **Appendix A** of this report.

The General Contractor and all appropriate Sub Contractors are responsible for reading and understanding the SWPPP and are also required to certify the SWPPP by signing the certifying statement presented in **Appendix A** of this report.

All inspection reports and inspection quarterly summaries are to be certified by an authorized person who has responsibility for the overall operation of the site such as a project manager or site superintendent. Certification of these documents is executed by signing the certifying statements presented at the end of the inspection reports.

## 10.0 POST CONSTRUCTION INSPECTION & MAINTENANCE

Post-construction, regularly scheduled inspections and maintenance will be necessary to ensure the permanent structural features such as the stormwater management basins and the conveyance system components remain optimally functional and continue to reduce the risk of sediment loading of surface water bodies. Follow manufactures guidelines and the detailed construction installation and maintenance guidelines included in **Appendix A** for all stormwater management practices.

When construction is complete, the Contractor will remain responsible for the site until the entire site has reached final stabilization. The site is considered stabilized when all soil disturbing activities have been completed and a uniform, perennial vegetative cover, with a density of 80%, has been established or equivalent stabilization measures, such as the use of mulches or geotextiles, have been employed on

all unpaved areas and areas not covered by permanent structures. Weekly inspections should continue until the site has reached this point.

At the time of final stabilization, the Owner/Developer's Qualified Representative shall perform a final inspection of the site and certify that the site has successfully undergone final stabilization using either vegetative or structural stabilization methods and that all temporary erosion and sediment controls such as silt fence, not needed for long term use, have been removed. All storm water practices must be clean and free of sediment and or debris or must be cleaned by the contractor prior to turning the maintenance responsibilities over to the Owner/Developer. At this point, the Owner/Developer is responsible for the following:

1. Submit to the NYSDEC a NOT prepared by the Owner/Developer's Qualified Representative as described in Section 1.1 of this report.
2. Identify all the permanent stormwater management structures that have been constructed and provide the New Owner/Developer with an Operations and Maintenance (O&M) manual that will be necessary in order for the structures to function properly after the site has been stabilized. Section 10.0 of this report satisfies the O&M requirements
3. Transfer the Water Quality and Quantity Report and SWPPP to the New Owner/Developer.
4. Certify that the permanent structures have been constructed as described by this plan and the drawings.

The new Owner/Developer shall overtake responsibility of inspecting and maintaining drainage and erosion control features over the lifetime of the structures. Maintenance personnel, employed by the New Owner/Developer, must be aware of the SWPPP and should be trained to recognize signs that stabilization measures may not be performing optimally or are failing. The inspection of on-site stabilization measures will become part of routine preventative maintenance practiced by the New Owner/Developer and his employees.

10.1 Inspection

***Overall Site Inspection***

The overall site, embankments, vegetation and stormwater conveyance system components including catch basins, culverts, swales and outlets should be inspected regularly. The inspections should include but are not limited to:

1. Density and condition of vegetation and ground cover.
2. Erosion, differential settlement or cracking of embankment.
3. Bulging or sliding of toe of embankments.
4. Sedimentation of on-site or downstream water bodies.
5. Sedimentation of culverts or swales.
6. Sedimentation of lawn areas, paved areas, within the sand filter units or catch basin sumps.
7. Accumulation of pollutants, including oils or grease in catch basin sumps.
8. Damage or fatigue of storm sewer structures or associated components.

***Water Quality Practice Inspection (if applicable)***

All water quality practices and all associated features should be inspected regularly. The inspections should include but are not limited to:

1. Density and condition of vegetation and ground cover.
2. All features of the practice should be clear of brush and tree growth.
3. Erosion, differential settlement or cracking of basin embankments.
4. Bulging or sliding of toe of embankments.

5. Presence of animal burrows.
6. Evidence of clogging or sedimentation at inlets or outlets.
7. Erosion of the flow path through the detention basin.
8. Spillways should be inspected for structural integrity.
9. Spillways should be clear of obstructions.
10. Inlet/outlet riprap should be inspected for scour and dislodged stones and obstructions should be removed.
11. Accumulation of sediments at inlets, outlets and silt traps.

Detailed inspection checklists for each of the Stormwater Management Practices can be found in **Appendix A**.

10.2 Maintenance

***Overall Site Maintenance***

Maintaining vegetative and structural measures for soil protection is necessary to keep the storm water system functioning properly. Maintenance should occur on a regular basis and should include but is not limited to:

*Seasonal Maintenance*

1. Vegetated areas should be maintained to promote vigorous and dense growth. Lawn areas should be mowed at least three times a year but may require more frequent mowing's depending on the growth rate.
2. Trees and unwanted vegetation should be removed from inlet structures, outlet structures, banks, and berms to prevent clogging or weakening of the berms and structures.
3. Paved areas should be swept at least twice a year and in the early spring for removal of deicing materials.
4. Accumulation of litter and debris should be removed during each mowing or sweep operation.
5. Structural components of the storm sewer system such as culverts and catch basins which require repair or replacement should be addressed immediately following identification.
6. Cleanout of catch basin sumps should occur when accumulation of sediments and debris are within six inches of the catch basin outlet pipe.
7. Swale and drainage way maintenance will include periodic mowing, occasional spot reseeding and weed control. Weeds and woody plants should be eradicated or cut back since they reduce the efficiency of the drainage way.
8. Rip rap lined inlet and outlets that show signs of scour should be repaired. Weed and brush growth at the inlets and outlets should be controlled as needed.

*Winter Maintenance*

1. Remove snow and ice from inlet structures, basin inlet and outlet structures and away from culvert end sections.
2. Snow removed from paved areas should not be piled at inlets/outlets of the stormwater management basin.
3. Use of deicing materials should be limited to sand and environmentally friendly chemical products. Use of salt mixtures should be kept to a minimum.
4. Sand used for deicing should be clean, course material free of fines, silt, and clay.
5. Materials used for de-icing should be removed during the early spring by sweeping and/or vacuuming.

*Underground Practices Maintenance*

1. A consistent schedule of inspection shall be observed for all system components to insure continued effective operation.
2. Areas surrounding the surface access points shall be kept clear of overgrowth.
3. All inspections shall be logged. A specific schedule, on a quarterly basis, shall be maintained by the system owner/operator and a periodic replacement of the water quality practice media shall be schedule for minimally every two years.
4. Accumulation of litter and debris should be removed during each mowing or sweep operation.
5. Structural components of the system which require repair or replacement should be addressed immediately following identification.
6. Spillways should be cleared of obstructions.
7. Inlet/outlet riprap damage due to scour should be repaired.

For any proprietary practices refer to manufacturer specifications for additional maintenance requirements. Detailed maintenance checklists for each of the Stormwater Management Practices can be found in **Appendix A**.

## 11.0 CONCLUSION

**The Engineer has designed a NYSDEC-compliant Stormwater Management Plan for the High Street Apartments project. Overall, the proposed stormwater management system reduces and/or eliminates the impacts of the proposed re-development by controlling and treating stormwater through the use of catch basins, storm-sewer piping, and underground infiltration chambers. Offsite storm discharges and velocities for the proposed project are less than what currently exists. The stormwater management system will function adequately and will not adversely affect adjacent or downstream properties provided it is constructed and maintained as outlined in this plan and as shown on the site plans.**

# APPENDIX A

Construction Site Log Book
Owner/Developer and Contractor Certification Forms
Pre/Duration Construction Maintenance Inspection Checklists (NYSDEC Sample)
Post Construction Operation and Maintenance

**STATE POLLUTANT DISCHARGE ELIMINATION SYSTEM**
**FOR CONSTRUCTION ACTIVITIES**

# CONSTRUCTION SITE LOG BOOK

## Table of Contents


I. Pre-Construction Meeting Documents.

a. Preamble to Site Assessment and Inspections

b. Operator’s Certification

c. Qualified Professional's Credentials & Certification

d. Pre-Construction Site Assessment Checklist

a.

II. Construction Duration Inspections

a. Directions

b. Modification to the SWPPP

III. Monthly Summary Reports

IV. Monitoring, Reporting, and Three-Month Status Reports

a. Operator’s Compliance Response Form

a


Properly completing forms such as those contained in this document meet the inspection requirement of NYSDEC SPDES GP for Construction Activities. Completed forms shall be kept on site at all times and made available to authorities upon request.

**I. PRE-CONSTRUCTION MEETING DOCUMENTS**

**Project Name** _____

**Permit No.** _____**Date of Authorization**_____

**Name of Operator** _____

**Prime Contractor** _____

**a. Preamble to Site Assessment and Inspections** -The Following Information To Be Read By All Person's Involved in The Construction of Stormwater Related Activities:

The Operator agrees to have a qualified professional[1] conduct an assessment of the site prior to the commencement of construction[2] and certify in this inspection report that the appropriate erosion and sediment controls described in the SWPPP have been adequately installed or implemented to ensure overall preparedness of the site for the commencement of construction.

Prior to the commencement of construction, the Operator shall certify in this site logbook that the SWPPP has been prepared in accordance with the State's standards and meets all Federal, State and local erosion and sediment control requirements.

When construction starts, site inspections shall be conducted by the qualified professional at least every 7 calendar days and within 24 hours of the end of a storm event of 0.5 inches or greater (Construction Duration Inspections). The Operator shall maintain a record of all inspection reports in this site logbook. The site logbook shall be maintained on site and be made available to the permitting authorities upon request. The Operator shall post at the site, in a publicly accessible location, a summary of the site inspection activities on a monthly basis (Monthly Summary Report).

The operator shall also prepare a written summary of compliance with this general permit at a minimum frequency of every three months (Operator's Compliance Response Form), while coverage exists. The summary should address the status of achieving each component of the SWPPP.

Prior to filing the Notice of Termination or the end of permit term, the Operator shall have a qualified professional perform a final site inspection. The qualified professional shall certify that the site has undergone final stabilization[3] using either vegetative or structural stabilization methods and that all temporary erosion and sediment controls (such as silt fencing) not needed for long-term erosion control have been removed. In addition, the Operator must identify and certify that all permanent structures described in the SWPPP have been constructed and provide the owner(s) with an operation and maintenance plan that ensures the structure(s) continuously functions as designed.

1 "Qualified Professional means a person knowledgeable in the principles and practice of erosion and sediment controls, such as a Certified Professional in Erosion and Sediment Control (CPESC), soil scientist, licensed engineer or someone working under the direction and supervision of a licensed engineer (person must have experience in the principles and practices of erosion and sediment control).

2 "Commencement of construction" means the initial removal of vegetation and disturbance of soils associated with clearing, grading or excavating activities or other construction activities.

3 "Final stabilization" means that all soil-disturbing activities at the site have been completed and a uniform, perennial vegetative cover with a density of eighty (80) percent has been established or equivalent stabilization measures (such as the use of mulches or geotextiles) have been employed on all unpaved areas and areas not covered by permanent structures.

**b. Operators Certification**

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. Further, I hereby certify that the SWPPP meets all Federal, State, and local erosion and sediment control requirements. I am aware that false statements made herein are punishable as a class A misdemeanor pursuant to Section 210.45 of the Penal Law. "

**Name (please print):**_____

**Title** _____ **Date:**_____

**Address:** _____

**Phone:** _____ **Email:**_____

**Signature:**_____

**c. Qualified Professional's Credentials & Certification**

" I hereby certify that I meet the criteria set forth in the General Permit to conduct site inspections for this project and that the appropriate erosion and sediment controls described in the SWPPP and as described in the following Pre-construction Site Assessment Checklist have been adequately installed or implemented, ensuring the overall preparedness of this site for the commencement of construction."

**Name (please print):**_____

**Title** _____ **Date:**_____

**Address:** _____

**Phone:** _____ **Email:**_____

**Signature:**_____

**d. Pre-construction Site Assessment Checklist (NOTE: Provide comments below as necessary)**

1. Notice of Intent, SWPPP, and Contractors Certification:

**Yes No NA**

[ ] [ ] [ ] Has a Notice of Intent been filed with the NYS Department of Conservation?
[ ] [ ] [ ] Is the SWPPP on-site? Where?_____
[ ] [ ] [ ] Is the Plan current? What is the latest revision date?_____
[ ] [ ] [ ] Is a copy of the NOI (with brief description) onsite? Where?_____
[ ] [ ] [ ] Have all contractors involved with stormwater related activities signed a contractor's certification?

**Pre-construction Site Assessment Checklist (continued)**

2. Resource Protection

**Yes No NA**

[ ] [ ] [ ] Are construction limits clearly flagged or fenced?

[ ] [ ] [ ] Important trees and associated rooting zones, on-site septic system absorption fields, existing vegetated areas suitable for filter strips, especially in perimeter areas, have been flagged for protection.

[ ] [ ] [ ] Creek crossings installed prior to land-disturbing activity, including clearing and blasting.

3. Surface Water Protection

**Yes No NA**

[ ] [ ] [ ] Clean stormwater runoff has been diverted from areas to be disturbed.

[ ] [ ] [ ] Bodies of water located either on site or in the vicinity of the site have been identified and protected.

[ ] [ ] [ ] Appropriate practices to protect on-site or downstream surface water are installed.

[ ] [ ] [ ] Are clearing and grading operations divided into areas <5 acres?

4. Stabilized Construction Entrance

**Yes No NA**

[ ] [ ] [ ] A temporary construction entrance to capture mud and debris from construction vehicles before they enter the public highway has been installed.

[ ] [ ] [ ] Other access areas (entrances, construction routes, equipment parking areas) are stabilized immediately as work takes place with gravel or other cover.

[ ] [ ] [ ] Sediment tracked onto public streets is removed or cleaned on a regular basis.

5. Perimeter Sediment Controls

**Yes No NA**

[ ] [ ] [ ] Silt fence material and installation comply with the standard drawing and specifications.

[ ] [ ] [ ] Silt fences are installed at appropriate spacing intervals

[ ] [ ] [ ] Sediment/detention basin was installed as first land disturbing activity.

[ ] [ ] [ ] Sediment traps and barriers are installed.

6. Pollution Prevention for Waste and Hazardous Materials

**Yes No NA**

[ ] [ ] [ ] The Operator or designated representative has been assigned to implement the spill prevention avoidance and response plan.

[ ] [ ] [ ] The plan is contained in the SWPPP on page _____

[ ] [ ] [ ] Appropriate materials to control spills are onsite. Where? _____

## II. CONSTRUCTION DURATION INSPECTIONS

**a. Directions:**
**Inspection Forms will be filled out during the entire construction phase of the project.**
Required Elements:

(1) On a site map, indicate the extent of all disturbed site areas and drainage pathways. Indicate site areas that are expected to undergo initial disturbance or significant site work within the next 14-day period;

(2) Indicate on a site map all areas of the site that have undergone temporary or permanent stabilization;

(3) Indicate all disturbed site areas that have not undergone active site work during the previous 14-day period;

Inspect all sediment control practices and record the approximate degree of sediment accumulation as a percentage of sediment storage volume (for example, 10 percent, 20 percent, 50 percent);

(5) Inspect all erosion and sediment control practices and record all maintenance requirements such as verifying the integrity of barrier or diversion systems (earthen berms or silt fencing) and containment systems (sediment basins and sediment traps). Identify any evidence of rill or gully erosion occurring on slopes and any loss of stabilizing vegetation or seeding/mulching. Document any excessive deposition of sediment or ponding water along barrier or diversion systems. Record the depth of sediment within containment structures, any erosion near outlet and overflow structures, and verify the ability of rock filters around perforated riser pipes to pass water; and

(6) Immediately report to the Operator any deficiencies that are identified with the implementation of the SWPPP.

**SITE PLAN/SKETCH**

| | |
|---|---|
| **Inspector (print name)** | **Date of Inspection** |
| **Qualified Professional (print name)** | **Qualified Professional Signature** |

The above signed acknowledges that, to the best of his/her knowledge, all information provided on the forms is accurate and complete.

**Maintaining Water Quality**

**Yes No NA**

[ ] [ ] [ ] Is there an increase in turbidity causing a substantial visible contrast to natural conditions?

[ ] [ ] [ ] Is there residue from oil and floating substances, visible oil film, or globules or grease?

[ ] [ ] [ ] All disturbance is within the limits of the approved plans.

[ ] [ ] [ ] Have receiving lake/bay, stream, and/or wetland been impacted by silt from project?

**Housekeeping**

1. General Site Conditions

**Yes No NA**

[ ] [ ] [ ] Is construction site litter and debris appropriately managed?

[ ] [ ] [ ] Are facilities and equipment necessary for implementation of erosion and sediment control in working order and/or properly maintained?

[ ] [ ] [ ] Is construction impacting the adjacent property?

[ ] [ ] [ ] Is dust adequately controlled?

2. Temporary Stream Crossing

**Yes No NA**

[ ] [ ] [ ] Maximum diameter pipes necessary to span creek without dredging are installed.

[ ] [ ] [ ] Installed non-woven geotextile fabric beneath approaches.

[ ] [ ] [ ] Is fill composed of aggregate (no earth or soil)?

[ ] [ ] [ ] Rock on approaches is clean enough to remove mud from vehicles & prevent sediment from entering stream during high flow.

**Runoff Control Practices**

1. Excavation Dewatering

**Yes No NA**

[ ] [ ] [ ] Upstream and downstream berms (sandbags, inflatable dams, etc.) are installed per plan.

[ ] [ ] [ ] Clean water from upstream pool is being pumped to the downstream pool.

[ ] [ ] [ ] Sediment laden water from work area is being discharged to a silt-trapping device.

[ ] [ ] [ ] Constructed upstream berm with one-foot minimum freeboard.

2. Level Spreader

**Yes No NA**

[ ] [ ] [ ] Installed per plan.

[ ] [ ] [ ] Constructed on undisturbed soil, not on fill, receiving only clear, non-sediment laden flow.

[ ] [ ] [ ] Flow sheets out of level spreader without erosion on downstream edge.

3. Interceptor Dikes and Swales

**Yes No NA**

[ ] [ ] [ ] Installed per plan with minimum side slopes 2H:1V or flatter.

[ ] [ ] [ ] Stabilized by geotextile fabric, seed, or mulch with no erosion occurring.

[ ] [ ] [ ] Sediment-laden runoff directed to sediment trapping structure

**Runoff Control Practices (continued)**

4. Stone Check Dam

**Yes No NA**

[ ] [ ] [ ] Is channel stable? (flow is not eroding soil underneath or around the structure).
[ ] [ ] [ ] Check is in good condition (rocks in place and no permanent pools behind the structure).
[ ] [ ] [ ] Has accumulated sediment been removed?.

5. Rock Outlet Protection

**Yes No NA**

[ ] [ ] [ ] Installed per plan.
[ ] [ ] [ ] Installed concurrently with pipe installation.

**Soil Stabilization**

1. Topsoil and Spoil Stockpiles

**Yes No NA**

[ ] [ ] [ ] Stockpiles are stabilized with vegetation and/or mulch.
[ ] [ ] [ ] Sediment control is installed at the toe of the slope.

2. Revegetation

**Yes No NA**

[ ] [ ] [ ] Temporary seedings and mulch have been applied to idle areas.
[ ] [ ] [ ] 4 inches minimum of topsoil has been applied under permanent seedings

**Sediment Control**

1. Stabilized Construction Entrance

**Yes No NA**

[ ] [ ] [ ] Stone is clean enough to effectively remove mud from vehicles.
[ ] [ ] [ ] Installed per standards and specifications?
[ ] [ ] [ ] Does all traffic use the stabilized entrance to enter and leave site?
[ ] [ ] [ ] Is adequate drainage provided to prevent ponding at entrance?

2. Silt Fence

**Yes No NA**

[ ] [ ] [ ] Installed on Contour, 10 feet from toe of slope (not across conveyance channels).
[ ] [ ] [ ] Joints constructed by wrapping the two ends together for continuous support.
[ ] [ ] [ ] Fabric buried 6 inches minimum.
[ ] [ ] [ ] Posts are stable, fabric is tight and without rips or frayed areas.

Sediment accumulation is ___% of design capacity.

**Sediment Control (continued)**

3. Storm Drain Inlet Protection (Use for Stone & Block; Filter Fabric; Curb; or, Excavated practices)

**Yes No NA**

[ ] [ ] [ ] Installed concrete blocks lengthwise so open ends face outward, not upward.
[ ] [ ] [ ] Placed wire screen between No. 3 crushed stone and concrete blocks.
[ ] [ ] [ ] Drainage area is 1acre or less.
[ ] [ ] [ ] Excavated area is 900 cubic feet.
[ ] [ ] [ ] Excavated side slopes should be 2:1.
[ ] [ ] [ ] 2" x 4" frame is constructed and structurally sound.
[ ] [ ] [ ] Posts 3-foot maximum spacing between posts.
[ ] [ ] [ ] Fabric is embedded 1 to 1.5 feet below ground and secured to frame/posts with staples at max 8-inch spacing.
[ ] [ ] [ ] Posts are stable, fabric is tight and without rips or frayed areas.

Sediment accumulation ___% of design capacity.

4. Temporary Sediment Trap

**Yes No NA**

[ ] [ ] [ ] Outlet structure is constructed per the approved plan or drawing.
[ ] [ ] [ ] Geotextile fabric has been placed beneath rock fill.

Sediment accumulation is ___% of design capacity.

5. Temporary Sediment Basin

**Yes No NA**

[ ] [ ] [ ] Basin and outlet structure constructed per the approved plan.
[ ] [ ] [ ] Basin side slopes are stabilized with seed/mulch.
[ ] [ ] [ ] Drainage structure flushed and basin surface restored upon removal of sediment basin facility.

Sediment accumulation is ___% of design capacity.

Note: Not all erosion and sediment control practices are included in this listing. Add additional pages to this list as required by site specific design.
Construction inspection checklists for post-development stormwater management practices can be found in Appendix F of the New York Stormwater Management Design Manual.

**CONSTRUCTION DURATION INSPECTIONS**
**b. Modifications to the SWPPP (To be completed as described below)**

The Operator shall amend the SWPPP whenever:
1. There is a significant change in design, construction, operation, or maintenance which may have a significant effect on the potential for the discharge of pollutants to the waters of the United States and which has not otherwise been addressed in the SWPPP; or
2. The SWPPP proves to be ineffective in:
a. Eliminating or significantly minimizing pollutants from sources identified in the SWPPP and as required by this permit; or
b. Achieving the general objectives of controlling pollutants in stormwater discharges from permitted construction activity; and
3. Additionally, the SWPPP shall be amended to identify any new contractor or subcontractor that will implement any measure of the SWPPP.

**Modification & Reason:**

## III. Monthly Summary of Site Inspection Activities

| Name of Permitted Facility: | Today's Date: | Reporting Month: |
|---|---|---|
| Location: | Permit Identification #: | |
| Name and Telephone Number of Site Inspector: | | |

| Date of Inspection | Regular / Rainfall based Inspection | Name of Inspector | Items of Concern |
|---|---|---|---|
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***Owner/Operator Certification:***

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that false statements made herein are punishable as a class A misdemeanor pursuant to Section 210.45 of the Penal Law."

_____ _____

Signature of Permittee or Duly Authorized Representative Name of Permittee or Duly Authorized Representative date

Duly authorized representatives must have written authorization, submitted to DEC, to sign any permit documents.

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

# Owner/Operator Certification Form

## SPDES General Permit For Stormwater Discharges From Construction Activity (GP-0-15-002)

**Project/Site Name:** _____

**eNOI Submission Number:** _____

**eNOI Submitted by:** ☐ **Owner/Operator** ☐ **SWPPP Preparer** ☐ **Other**

### Certification Statement - Owner/Operator

I have read or been advised of the permit conditions and believe that I understand them. I also understand that, under the terms of the permit, there may be reporting requirements. I hereby certify that this document and the corresponding documents were prepared under my direction or supervision. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further understand that coverage under the general permit will be identified in the acknowledgment that I will receive as a result of submitting this NOI and can be as long as sixty (60) business days as provided for in the general permit. I also understand that, by submitting this NOI, I am acknowledging that the SWPPP has been developed and will be implemented as the first element of construction, and agreeing to comply with all the terms and conditions of the general permit for which this NOI is being submitted.

Owner/Operator First Name M.I. Last Name

_____

Signature

_____

Date

## CONTRACTOR CERTIFICATION

I hereby certify under penalty of law that I understand and agree to comply with the terms and conditions of the SWPPP and agree to implement any corrective actions identified by the *qualified inspector* during a site inspection. I also understand that the *owner or operator* must comply with the terms and conditions of the most current version of the New York state Pollutant Discharge Elimination System ("SPDES") general permit for stormwater *discharges* from *construction activities* and that it is unlawful for any person to cause or contribute to a violation of *water quality standards.* Furthermore, I am aware that there are significant penalties for submitting false information, that I do not believe to be true, including the possibility of fine and imprisonment for knowing violations."

| | | |
|---|---|---|
| _____ | _____ | _____ |
| Contractor Signature | Title | Date |
| _____ | _____ | _____ |
| Contractor Signature | Title | Date |
| _____ | _____ | _____ |
| Contractor Signature | Title | Date |
| _____ | _____ | _____ |
| Contractor Signature | Title | Date |

SC-310/SC-740/DC-780

StormTech®
Detention • Retention • Water Quality
A division of ADS

# StormTech Construction Guide

## REQUIRED MATERIALS AND EQUIPMENT LIST

- Acceptable fill materials per **Table 1**
- Woven and non-woven geotextiles
- StormTech solid end caps and pre-cored end caps
- StormTech chambers
- StormTech manifolds and fittings

**IMPORTANT NOTES:**

**A. This installation guide provides the minimum requirements for proper installation of chambers. Non-adherence to this guide may result in damage to chambers during installation. Replacement of damaged chambers during or after backfilling is costly and very time consuming. It is recommended that all installers are familiar with this guide, and that the contractor inspects the chambers for distortion, damage and joint integrity as work progresses.**

**B. Use of a dozer to push embedment stone between the rows of chambers may cause damage to chambers and is not an acceptable backfill method. Any chambers damaged by using the "dump and push" method are not covered under the StormTech standard warranty.**

**C. Care should be taken in the handling of chambers and end caps. Avoid dropping, prying or excessive force on chambers during removal from pallet and initial placement.**

## Requirements for System Installation



Excavate bed and prepare subgrade per engineer's plans.



Place non-woven geotextile over prepared soils and up excavation walls.

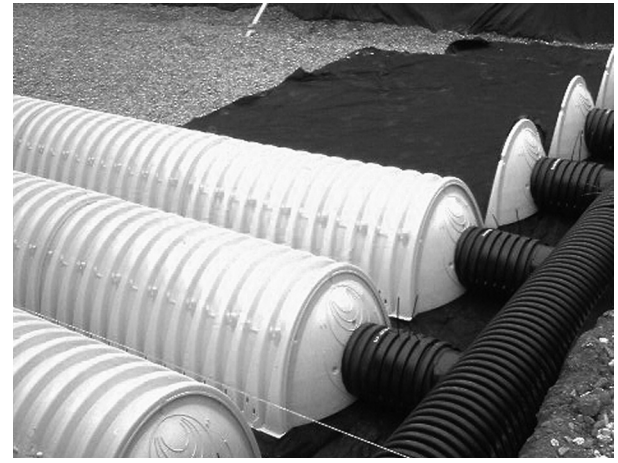


Place clean, crushed, angular stone foundation 6" (150 mm) min. Install underdrains if required. Compact to achieve a flat surface.

# Manifold, Scour Fabric and Chamber Assembly



Install manifolds and lay out woven scour geotextile at inlet rows [min. 12.5 ft (3.8 m)] at each inlet end cap. Place a continuous piece (no seams, double layer) along entire length of Isolator® Row(s).

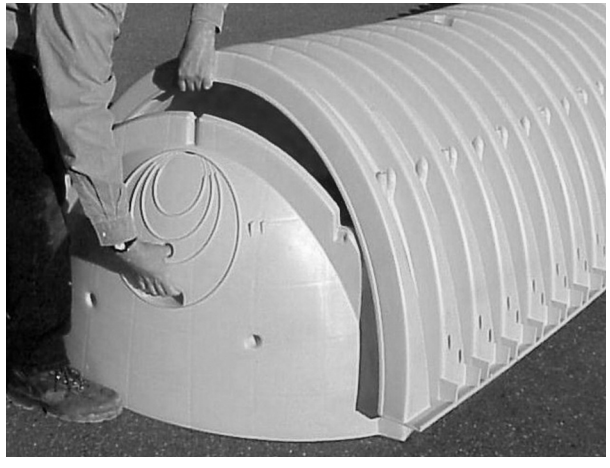


Align the first chamber and end cap of each row with inlet pipes. Contractor may choose to postpone stone placement around end chambers and leave ends of rows open for easy inspection of chambers during the backfill process.



Construct the chamber bed by overlapping the chambers lengthwise in rows. Attach chambers by overlapping the end corrugation of one chamber on to the end corrugation of the last chamber in the row. Be sure that the chamber placement does not exceed the reach of the construction equipment used to place the stone.

# Attaching the End Caps



Lift the end of the chamber a few inches off the ground. With the curved face of the end cap facing outward, place the end cap into the chamber's end corrugation.

# Prefabricated End Caps



24" (600 mm) inlets are the maximum size that can fit into a SC-740/DC-780 end cap and must be prefabricated with a 24" (600 mm) pipe stub. SC-310 chambers with a 12" (300 mm) inlet pipe must use a prefabricated end cap with a 12" (300 mm) pipe stub.

# Isolator Row



Drape a strip of ADS non-woven geotextile over the row of chambers (not required over DC-780). This is the same type of non-woven geotextile used as a separation layer around the angular stone of the StormTech system.

# Initial Anchoring of Chambers – Embedment Stone





Initial embedment shall be spotted along the centerline of the chamber evenly anchoring the lower portion of the chamber. This is best accomplished with a stone conveyor or excavator reaching along the row.

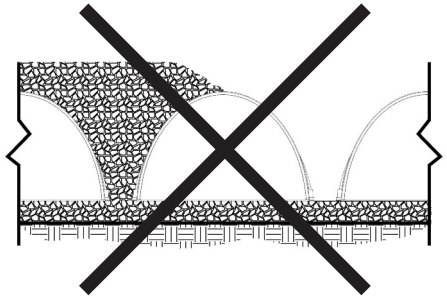




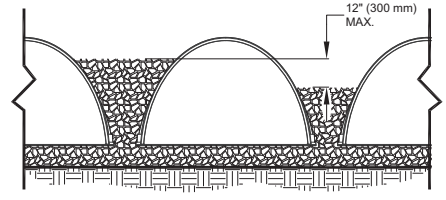


No equipment shall be operated on the bed at this stage of the installation. Excavators must be located off the bed. Dump trucks shall not dump stone directly on to the bed. Dozers or loaders are not allowed on the bed at this time.

# Backfill of Chambers – Embedment Stone

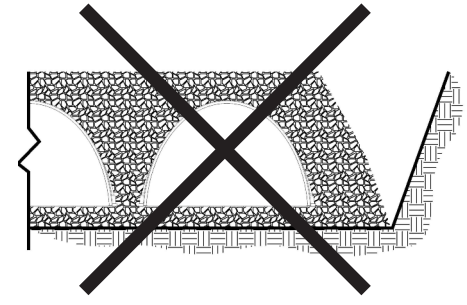


UNEVEN BACKFILL

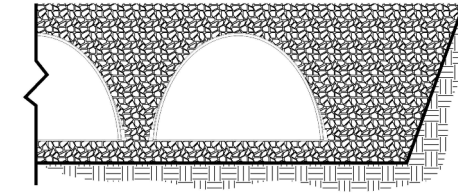



EVEN BACKFILL

Backfill chambers evenly. Stone column height should never differ by more than 12” (300 mm) between adjacent chamber rows or between chamber rows and perimeter.



PERIMETER NOT BACKFILLED

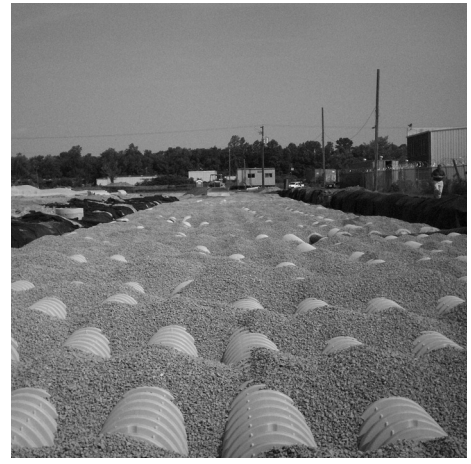


PERIMETER FULLY BACKFILLED

Perimeter stone must be brought up evenly with chamber rows. Perimeter must be fully backfilled, with stone extended horizontally to the excavation wall.

# Backfill of Chambers – Embedment Stone and Cover Stone





Continue evenly backfilling between rows and around perimeter until embedment stone reaches tops of chambers. Perimeter stone must extend horizontally to the excavation wall for both straight or sloped sidewalls. **Only after chambers have been backfilled to top of chamber and with a minimum 6" (150 mm) of cover stone on top of chambers can small dozers be used over the chambers for backfilling remaining cover stone.**

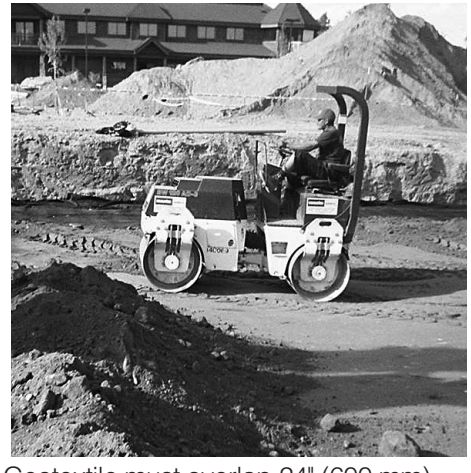




Small dozers and skid loaders may be used to finish grading stone backfill in accordance with ground pressure limits in Table 2. They must push material parallel to rows only. Never push perpendicular to rows. StormTech recommends that the contractor inspect chambers before placing final backfill. Any chambers damaged by construction shall be removed & replaced.

# Final Backfill of Chambers – Fill Material





Install non-woven geotextile over stone. Geotextile must overlap 24" (600 mm) min. where edges meet. Compact each lift of backfill as specified in the site design engineer's drawings. Roller travel parallel with rows.

# StormTech Isolator Row Detail

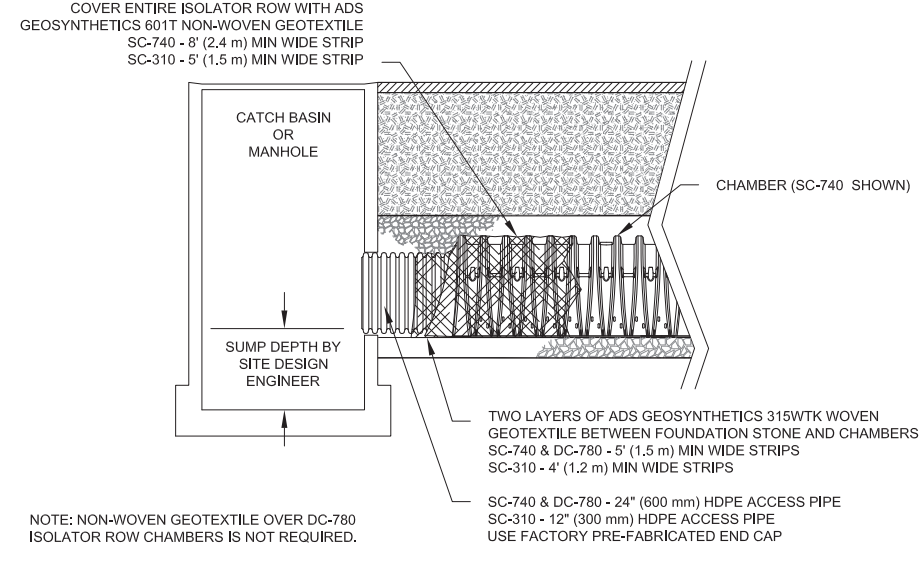


**Table 1 –** Acceptable Fill Materials

| Material Location | Description | AASHTO M43 Designation[1] | Compaction/Density Requirement |
|---|---|---|---|
| Ⓓ **Final Fill:** Fill Material for layer 'D' starts from the top of the 'C' layer to the bottom of flexible pavement or unpaved finished grade above. Note that the pavement subbase may be part of the 'D' layer. | Any soil/rock materials, native soils or per engineer's plans. Check plans for pavement subgrade requirements. | N/A | Prepare per site design engineer's plans. Paved installations may have stringent material and preparation requirements. |
| Ⓒ **Initial Fill:** Fill Material for layer 'C' starts from the top of the embedment stone ('B' layer) to 18" (450 mm) above the top of the chamber. Note that pavement subbase may be part of the 'C' layer. | Granular well-graded soil/aggregate mixtures, <35% fines or processed aggregate. Most pavement subbase materials can be used in lieu of this layer. | AASHTO M45 A-1, A-2-4, A-3 or AASHTO M43[1] 3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10 | Begin compaction after min. 12" (300 mm) of material over the chambers is reached. Compact additional layers in 6" (150 mm) max. lifts to a min. 95% Proctor density for well-graded material and 95% relative density for processed aggregate materials. Roller gross vehicle weight not to exceed 12,000 lbs (53 kN). Dynamic force not to exceed 20,000 lbs (89 kN) |
| Ⓑ **Embedment Stone:** Embedment Stone surrounding chambers from the foundation stone to the 'C' layer above. | Clean, crushed, angular stone nominal size distribution 3/4 - 2" (20 mm - 50 mm) | AASHTO M43[1] 3, 357, 4, 467, 5, 56, 57 | No compaction required. |
| Ⓐ **Foundation Stone:** Foundation Stone below the chambers from the subgrade up to the foot (bottom) of the chamber. | Clean, crushed, angular stone, nominal size distribution 3/4 - 2" (20 mm - 50 mm) | AASHTO M43[1] 3, 357, 4, 467, 5, 56, 57 | Place and compact in 6" (150 mm) lifts using two full coverages with a vibratory compactor.[2, 3] |

***PLEASE NOTE:***

1. ***The listed AASHTO designations are for gradations only. The stone must also be clean, crushed, angular. For example, a specification for #4 stone would state: "clean, crushed, angular no. 4 (AASHTO M43) stone".***
2. ***StormTech compaction requirements are met for 'A' location materials when placed and compacted in 6" (150 mm) (max) lifts using two full coverages with a vibratory compactor.***
3. ***Where infiltration surfaces may be comprised by compaction, for standard installations and standard design load conditions, a flat surface may be achieved by raking or dragging without compaction equipment. For special load designs, contact StormTech for compaction requirements.***

**Figure 1 –** Inspection Port Detail

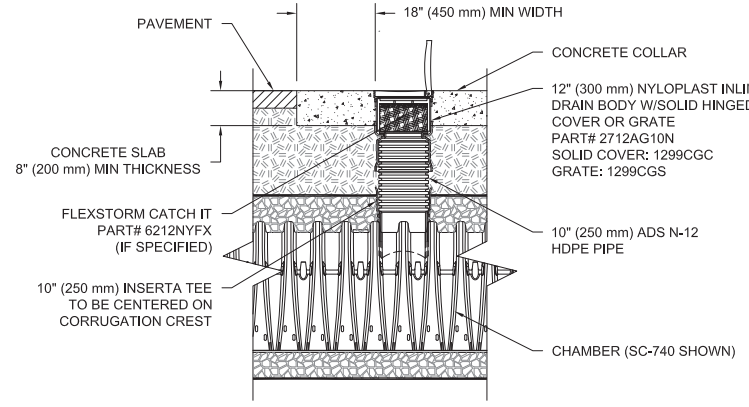
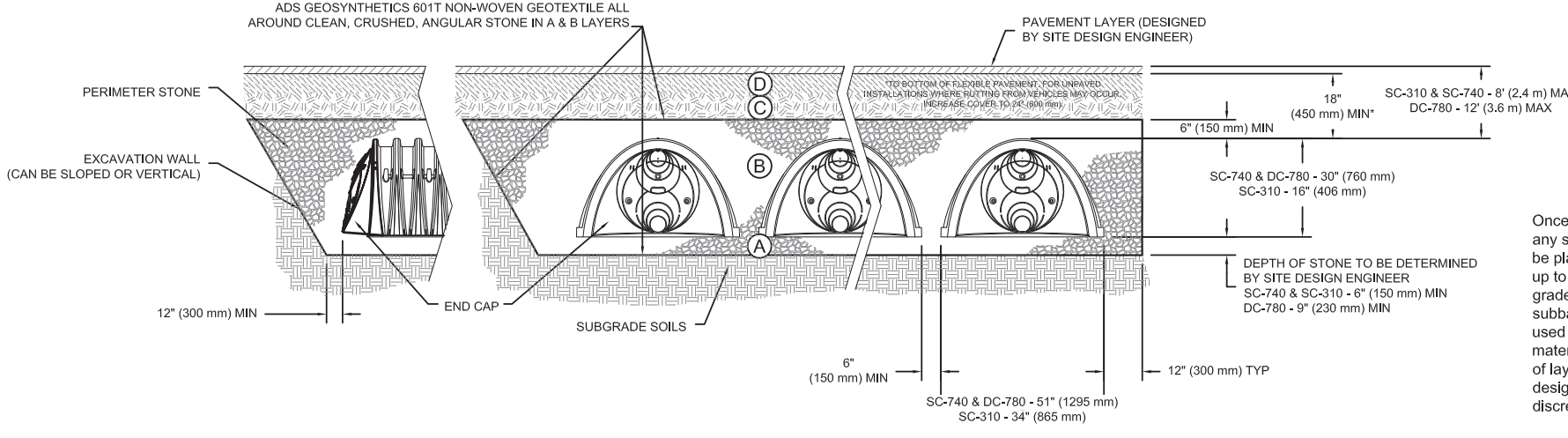



**Figure 2 –** Fill Material Locations




Once layer 'C' is placed any soil/material can be placed in layer 'D' up to the finished grade. Most pavement subbase soils can be used to replace the materials requirements of layer 'C' or 'D' at the design engineer's discretion.

***NOTES:***

1. *36" (900 mm) of stabilized cover materials over the chambers is required for full dump truck travel and dumping.*
2. *During paving operations, dump truck axle loads on 18" (450 mm) of cover may be necessary. Precautions should be taken to avoid rutting of the road base layer, to ensure that compaction requirements have been met, and that a minimum of 18" (450 mm) of cover exists over the chambers. Contact StormTech for additional guidance on allowable axle loads during paving.*
3. *Ground pressure for track dozers is the vehicle operating weight divided by total ground contact area for both tracks. Excavators will exert higher ground pressures based on loaded bucket weight and boom extension.*
4. *Mini-excavators (< 8,000lbs/3,628 kg) can be used with at least 12" (300 mm) of stone over the chambers and are limited by the maximum ground pressures in Table 2 based on a full bucket at maximum boom extension.*
5. *Storage of materials such as construction materials, equipment, spoils, etc. should not be located over the StormTech system. The use of equipment over the StormTech system not covered in Table 2 (ex. soil mixing equipment, cranes, etc) is limited. Please contact StormTech for more information.*
6. *Allowable track loads based on vehicle travel only. Excavators shall not operate on chamber beds until the total backfill reaches 3 feet (900 mm) over the entire bed.*

**Table 2 –** Maximum Allowable Construction Vehicle Loads[5]

| Material Location | Fill Depth over Chambers in. [mm] | Maximum Allowable Wheel Loads | | Maximum Allowable Track Loads[6] | | Maximum Allowable Roller Loads |
|---|---|---|---|---|---|---|
| | | Max Axle Load for Trucks lbs [kN] | Max Wheel Load for Loaders lbs [kN] | Track Width in. [mm] | Max Ground Pressure psf [kPa] | Max Drum Weight or Dynamic Force lbs [kN] |
| (D) Final Fill Material | 36" [900] Compacted | 32,000 [142] | 16,000 [71] | 12" [305]<br>18" [457]<br>24" [610]<br>30" [762]<br>36" [914] | 3420 [164]<br>2350 [113]<br>1850 [89]<br>1510 [72]<br>1310 [63] | 38,000 [169] |
| (C) Initial Fill Material | 24" [600] Compacted | 32,000 [142] | 16,000 [71] | 12" [305]<br>18" [457]<br>24" [610]<br>30" [762]<br>36" [914] | 2480 [119]<br>1770 [85]<br>1430 [68]<br>1210 [58]<br>1070 [51] | 20,000 [89] |
| | 24" [600] Loose/Dumped | 32,000 [142] | 16,000 [71] | 12" [305]<br>18" [457]<br>24" [610]<br>30" [762]<br>36" [914] | 2245 [107]<br>1625 [78]<br>1325 [63]<br>1135 [54]<br>1010 [48] | 20,000 [89]<br>Roller gross vehicle weight not to exceed 12,000 lbs. [53 kN] |
| | 18" [450] | 32,000 [142] | 16,000 [71] | 12" [305]<br>18" [457]<br>24" [610]<br>30" [762]<br>36" [914] | 2010 [96]<br>1480 [71]<br>1220 [58]<br>1060 [51]<br>950 [45] | 20,000 [89]<br>Roller gross vehicle weight not to exceed 12,000 lbs. [53 kN] |
| (B) Embedment Stone | 12" [300] | 16,000 [71] | NOT ALLOWED | 12" [305]<br>18" [457]<br>24" [610]<br>30" [762]<br>36" [914] | 1540 [74]<br>1190 [57]<br>1010 [48]<br>910 [43]<br>840 [40] | 20,000 [89]<br>Roller gross vehicle weight not to exceed 12,000 lbs. [53 kN] |
| | 6" [150] | 8,000 [35] | NOT ALLOWED | 12" [305]<br>18" [457]<br>24" [610]<br>30" [762]<br>36" [914] | 1070 [51]<br>900 [43]<br>800 [38]<br>760 [36]<br>720 [34] | NOT ALLOWED |

**Table 3 –** Placement Methods and Descriptions

| Material Location | Placement Methods/ Restrictions | Wheel Load Restrictions | Track Load Restrictions | Roller Load Restrictions |
|---|---|---|---|---|
| | | See Table 2 for Maximum Construction Loads | | |
| (D) Final Fill Material | A variety of placement methods may be used. All construction loads must not exceed the maximum limits in Table 2. | 36" (900 mm) minimum cover required for dump trucks to dump over chambers. | Dozers to push parallel to rows until 36" (900mm) compacted cover is reached.[4] | Roller travel parallel to rows only until 36" (900 mm) compacted cover is reached. |
| (C) Initial Fill Material | Excavator positioned off bed recommended. Small excavator allowed over chambers. Small dozer allowed. | Asphalt can be dumped into paver when compacted pavement subbase reaches 18" (450 mm) above top of chambers. | Small LGP track dozers & skid loaders allowed to grade cover stone with at least 6" (150 mm) stone under tracks at all times. Equipment must push parallel to rows at all times. | Use dynamic force of roller only after compacted fill depth reaches 12" (300 mm) over chambers. Roller travel parallel to chamber rows only. |
| (B) Embedment Stone | No equipment allowed on bare chambers. Use excavator or stone conveyor positioned off bed or on foundation stone to evenly fill around all chambers to at least the top of chambers. | No wheel loads allowed. Material must be placed outside the limits of the chamber bed. | No tracked equipment is allowed on chambers until a min. 6" (150 mm) cover stone is in place. | No rollers allowed. |
| (A) Foundation Stone | No StormTech restrictions. Contractor responsible for any conditions or requirements by others relative to subgrade bearing capacity, dewatering or protection of subgrade. | | | |

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StormTech® and the Isolator® Row are registered trademarks of StormTech, Inc
#090113 09/13

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**Save Valuable Land and Protect Water Resources**

StormTech®
*Detention • Retention • Water Quality*
Subsurface Stormwater Management℠



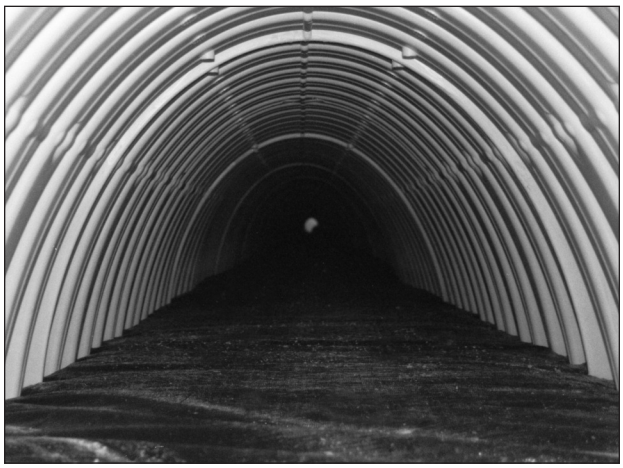
# Isolator™ Row O&M Manual

StormTech® Chamber System for Stormwater Management

# 1.0 The Isolator™ Row

## 1.1 INTRODUCTION

An important component of any Stormwater Pollution Prevention Plan is inspection and maintenance. The StormTech Isolator Row is a patented technique to inexpensively enhance Total Suspended Solids (TSS) removal and provide easy access for inspection and maintenance.



*Looking down the Isolator Row from the manhole opening, woven geotextile is shown between the chamber and stone base.*

## 1.2 THE ISOLATOR™ ROW

The Isolator Row is a row of StormTech chambers, either SC-310, SC-740, DC-780 or MC-3500 models, that is surrounded with filter fabric and connected to a closely located manhole for easy access. The fabric-wrapped chambers provide for settling and filtration of sediment as storm water rises in the Isolator Row and ultimately passes through the filter fabric. The open bottom chambers and perforated sidewalls allow storm water to flow both vertically and horizontally out of the chambers. Sediments are captured in the Isolator Row protecting the storage areas of the adjacent stone and chambers from sediment accumulation.

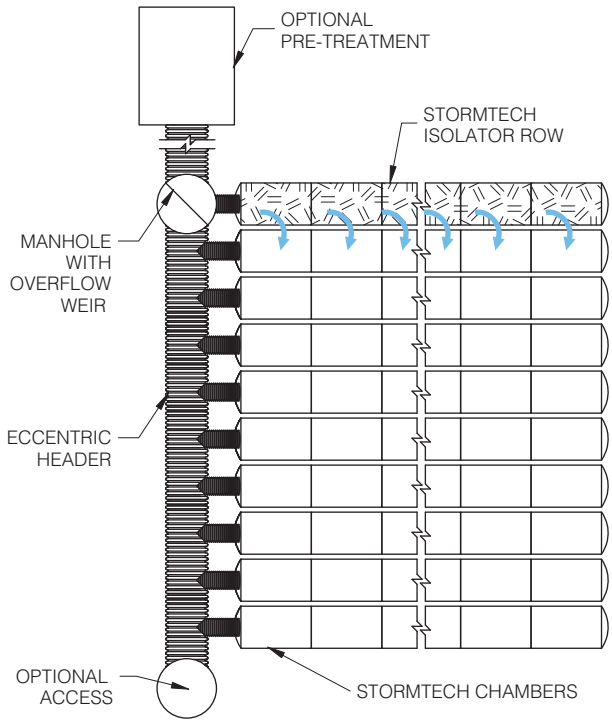
Two different fabrics are used for the Isolator Row. A woven geotextile fabric is placed between the stone and the Isolator Row chambers. The tough geotextile provides a media for storm water filtration and provides a durable surface for maintenance operations. It is also designed to prevent scour of the underlying stone and remain intact during high pressure jetting. A non-woven fabric is placed over the chambers to provide a filter media for flows passing through the perforations in the sidewall of the chamber.

The Isolator Row is typically designed to capture the "first flush" and offers the versatility to be sized on a volume basis or flow rate basis. An upstream manhole not only provides access to the Isolator Row but typically includes a high flow weir such that storm water flowrates or volumes that exceed the capacity of the Isolator Row overtop the over flow weir and discharge through a manifold to the other chambers.

The Isolator Row may also be part of a treatment train. By treating storm water prior to entry into the chamber system, the service life can be extended and pollutants such as hydrocarbons can be captured. Pre-treatment best management practices can be as simple as deep sump catch basins, oil-water separators or can be innovative storm water treatment devices. The design of the treatment train and selection of pretreatment devices by the design engineer is often driven by regulatory requirements. Whether pretreatment is used or not, the Isolator Row is recommended by StormTech as an effective means to minimize maintenance requirements and maintenance costs.

*Note: See the StormTech Design Manual for detailed information on designing inlets for a StormTech system, including the Isolator Row.*

**StormTech Isolator Row with Overflow Spillway**
(not to scale)



# 2.0 Isolator Row Inspection/Maintenance

## 2.1 INSPECTION

The frequency of Inspection and Maintenance varies by location. A routine inspection schedule needs to be established for each individual location based upon site specific variables. The type of land use (i.e. industrial, commercial residential), anticipated pollutant load, percent imperviousness, climate, etc. all play a critical role in determining the actual frequency of inspection and maintenance practices.

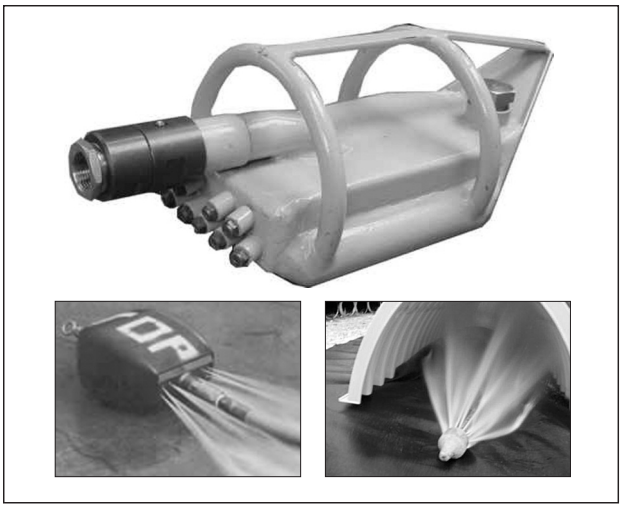
At a minimum, StormTech recommends annual inspections. Initially, the Isolator Row should be inspected every 6 months for the first year of operation. For subsequent years, the inspection should be adjusted based upon previous observation of sediment deposition.

The Isolator Row incorporates a combination of standard manhole(s) and strategically located inspection ports (as needed). The inspection ports allow for easy access to the system from the surface, eliminating the need to perform a confined space entry for inspection purposes.

If upon visual inspection it is found that sediment has accumulated, a stadia rod should be inserted to determine the depth of sediment. When the average depth of sediment exceeds 3 inches throughout the length of the Isolator Row, clean-out should be performed.

## 2.2 MAINTENANCE

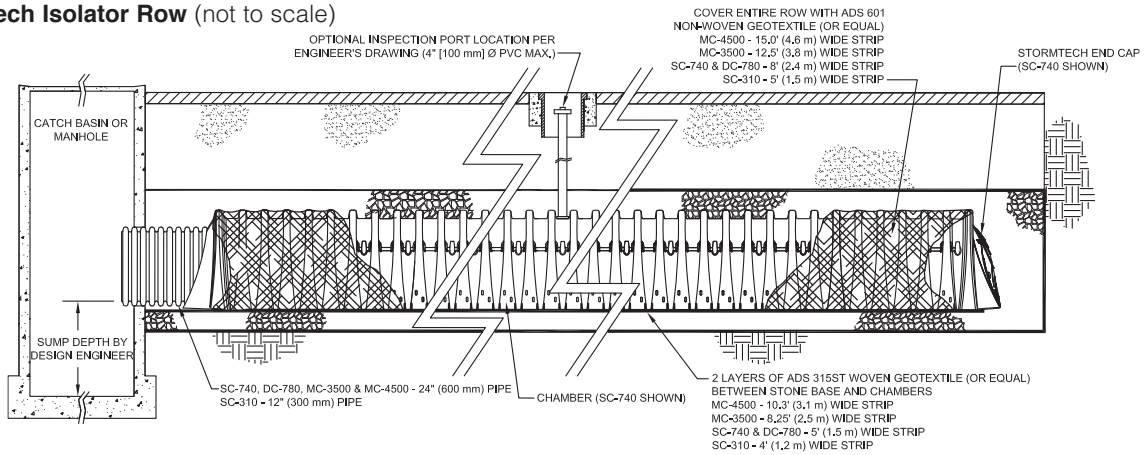
The Isolator Row was designed to reduce the cost of periodic maintenance. By "isolating" sediments to just one row, costs are dramatically reduced by eliminating the need to clean out each row of the entire storage bed. If inspection indicates the potential need for maintenance, access is provided via a manhole(s) located on the end(s) of the row for cleanout. If entry into the manhole is required, please follow local and OSHA rules for a confined space entries.



*Examples of culvert cleaning nozzles appropriate for Isolator Row maintenance. (These are not StormTech products.)*

Maintenance is accomplished with the JetVac process. The JetVac process utilizes a high pressure water nozzle to propel itself down the Isolator Row while scouring and suspending sediments. As the nozzle is retrieved, the captured pollutants are flushed back into the manhole for vacuuming. Most sewer and pipe maintenance companies have vacuum/JetVac combination vehicles. Selection of an appropriate JetVac nozzle will improve maintenance efficiency. Fixed nozzles designed for culverts or large diameter pipe cleaning are preferable. Rear facing jets with an effective spread of at least 45" are best. Most JetVac reels have 400 feet of hose allowing maintenance of an Isolator Row up to 50 chambers long. **The JetVac process shall only be performed on StormTech Isolator Rows that have AASHTO class 1 woven geotextile (as specified by StormTech) over their angular base stone.**

**StormTech Isolator Row** (not to scale)




**Note:** For many applications, the non-woven geotextile over the DC-780, MC-3500 and MC-4500 Isolator Row chambers can be eliminated or substituted with the AASHTO Class 1 woven geotextile. Contact your StormTech representative for assistance.

# 3.0 Isolator Row Step By Step Maintenance Procedures

**Step 1)** Inspect Isolator Row for sediment

A) Inspection ports (if present)

i. Remove lid from floor box frame

ii. Remove cap from inspection riser

iii. Using a flashlight and stadia rod, measure depth of sediment and record results on maintenance log.

iv. If sediment is at, or above, 3 inch depth proceed to Step 2. If not proceed to step 3.

B) All Isolator Rows

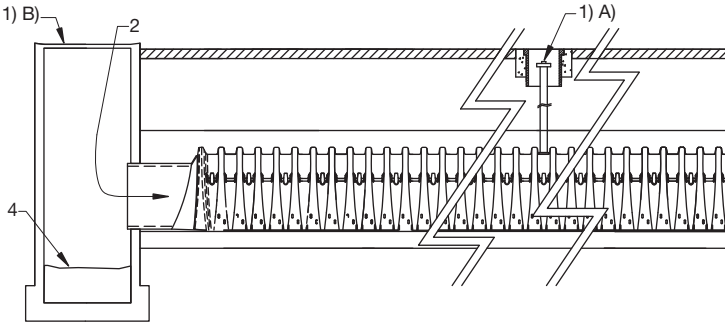
i. Remove cover from manhole at upstream end of Isolator Row

ii. Using a flashlight, inspect down Isolator Row through outlet pipe

1. Mirrors on poles or cameras may be used to avoid a confined space entry
2. Follow OSHA regulations for confined space entry if entering manhole

iii. If sediment is at or above the lower row of sidewall holes (approximately 3 inches) proceed to Step 2. If not proceed to Step 3.

**StormTech Isolator Row** (not to scale)




**Step 2)** Clean out Isolator Row using the JetVac process

A) A fixed culvert cleaning nozzle with rear facing nozzle spread of 45 inches or more is preferable

B) Apply multiple passes of JetVac until backflush water is clean

C) Vacuum manhole sump as required

**Step 3)** Replace all caps, lids and covers, record observations and actions

**Step 4)** Inspect & clean catch basins and manholes upstream of the StormTech system

**Sample Maintenance Log**

| Date | Stadia Rod Readings | | Sediment Depth (1) - (2) | Observations/Actions | Inspector |
|---|---|---|---|---|---|
| | Fixed point to chamber bottom (1) | Fixed point to top of sediment (2) | | | |
| 3/15/01 | 6.3 ft. | none | | New installation. Fixed point is CI frame at grade | djm |
| 9/24/01 | | 6.2 | 0.1 ft. | Some grit felt | sm |
| 6/20/03 | | 5.8 | 0.5 ft. | Mucky feel, debris visible in manhole and in Isolator row, maintenance due | rv |
| 7/7/03 | 6.3 ft. | | 0 | System jetted and vacuumed | djm |


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Subsurface Stormwater Management℠

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StormTech products are covered by one or more of the following patents: U.S. Patents: 5,401,459; 5,511,903; 5,716,163; 5,588,778; 5,839,844; Canadian Patents: 2,158,418 Other U.S. and Foreign Patents Pending Printed in U.S.A.

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S090809

# APPENDIX B

Notice of Intent (NOI)
Notice of Termination (NOT)
NYSDEC SPDES General Permit GP-0-20-001
MS4 Acceptance Form

0644089821

# NOTICE OF INTENT

**New York State Department of Environmental Conservation**
**Division of Water**
**625 Broadway, 4th Floor**
**Albany, New York 12233-3505**

NYR _____
(for DEC use only)

## Stormwater Discharges Associated with Construction Activity Under State Pollutant Discharge Elimination System (SPDES) General Permit # GP-0-20-001

**All sections must be completed unless otherwise noted.** Failure to complete all items may result in this form being returned to you, thereby delaying your coverage under this General Permit. Applicants must read and understand the conditions of the permit and prepare a Stormwater Pollution Prevention Plan prior to submitting this NOI. Applicants are responsible for identifying and obtaining other DEC permits that may be required.

## -IMPORTANT-

## RETURN THIS FORM TO THE ADDRESS ABOVE

OWNER/OPERATOR MUST SIGN FORM

### Owner/Operator Information

Owner/Operator (Company Name/Private Owner Name/Municipality Name)
27 High Street Lofts, LLC

Owner/Operator Contact Person Last Name (NOT CONSULTANT)
Liblolt

Owner/Operator Contact Person First Name
Kelly

Owner/Operator Mailing Address
PO BOX 792

City
Poughkeepsie

State
NY

Zip
12601-____

Phone (Owner/Operator)
845-243-2500

Fax (Owner/Operator)
___-___-____

Email (Owner/Operator)
kelly@karcpc.com

FED TAX ID
__-_____ (not required for individuals)

**Project Site Information**

Project/Site Name
High Street Apartments

Street Address (NOT P.O. BOX)
27 High Street

Side of Street
● **North** ○ **South** ○ **East** ○ **West**

City/Town/Village (THAT ISSUES BUILDING PERMIT)
City of Poughkeepsie

State: NY
Zip: 12601-
County: Dutchess
DEC Region: 3

Name of Nearest Cross Street
Elm Place

Distance to Nearest Cross Street (Feet)
0

Project In Relation to Cross Street
○ **North** ○ **South** ○ **East** ● **West**

Tax Map Numbers
Section-Block-Parcel
6162-62-192294

Tax Map Numbers
6162-62-180291

1. Provide the Geographic Coordinates for the project site in NYTM Units. To do this you **must** go to the NYSDEC Stormwater Interactive Map on the DEC website at:

**www.dec.ny.gov/imsmaps/stormwater/viewer.htm**

Zoom into your Project Location such that you can accurately click on the centroid of your site. Once you have located your project site, go to the tool boxes on the top and choose "i"(identify). Then click on the center of your site and a new window containing the X, Y coordinates in UTM will pop up. Transcribe these coordinates into the boxes below. For problems with the interactive map use the help function.

**X Coordinates (Easting)**: 589599

**Y Coordinates (Northing)**: 4180433

2. What is the nature of this construction project?

○ **New Construction**

○ **Redevelopment with increase in impervious area**

● **Redevelopment with no increase in impervious area**

3. Select the predominant land use for both pre and post development conditions.
**SELECT ONLY ONE CHOICE FOR EACH**

| Pre-Development Existing Land Use | Post-Development Future Land Use |
|---|---|
| ○ FOREST | ○ SINGLE FAMILY HOME |
| ○ PASTURE/OPEN LAND | ○ SINGLE FAMILY SUBDIVISION |
| ○ CULTIVATED LAND | ○ TOWN HOME RESIDENTIAL |
| ○ SINGLE FAMILY HOME | ● MULTIFAMILY RESIDENTIAL |
| ○ SINGLE FAMILY SUBDIVISION | ○ INSTITUTIONAL/SCHOOL |
| ○ TOWN HOME RESIDENTIAL | ○ INDUSTRIAL |
| ○ MULTIFAMILY RESIDENTIAL | ○ COMMERCIAL |
| ○ INSTITUTIONAL/SCHOOL | ○ MUNICIPAL |
| ○ INDUSTRIAL | ○ ROAD/HIGHWAY |
| ● COMMERCIAL | ○ RECREATIONAL/SPORTS FIELD |
| ○ ROAD/HIGHWAY | ○ BIKE PATH/TRAIL |
| ○ RECREATIONAL/SPORTS FIELD | ○ LINEAR UTILITY (water, sewer, gas, etc.) |
| ○ BIKE PATH/TRAIL | ○ PARKING LOT |
| ○ LINEAR UTILITY | ○ CLEARING/GRADING ONLY |
| ○ PARKING LOT | ○ DEMOLITION, NO REDEVELOPMENT |
| ○ OTHER | ○ WELL DRILLING ACTIVITY *(Oil, Gas, etc.) |
| | ○ OTHER |

Number of Lots

***Note:** for gas well drilling, non-high volume hydraulic fractured wells only

4. In accordance with the larger common plan of development or sale, enter the total project site area; the total area to be disturbed; existing impervious area to be disturbed (for redevelopment activities); and the future impervious area constructed within the disturbed area. (Round to the nearest tenth of an acre.)

| Total Site Area | Total Area To Be Disturbed | Existing Impervious Area To Be Disturbed | Future Impervious Area Within Disturbed Area |
|---|---|---|---|
| 1.2 | 1.2 | 1.0 | 1.0 |

5. Do you plan to disturb more than 5 acres of soil at any one time? ○ **Yes** ● **No**

6. Indicate the percentage of each Hydrologic Soil Group(HSG) at the site.

| A | B | C | D |
|---|---|---|---|
| 0 % | 0 % | 0 % | 100 % |

7. Is this a phased project? ○ **Yes** ● **No**

8. Enter the planned start and end dates of the disturbance activities.

**Start Date** 04/01/2022 – **End Date** 04/01/2024

9. Identify the nearest surface waterbody(ies) to which construction site runoff will discharge.

Name

Fall Kill Creek

9a. Type of waterbody identified in Question 9?

- ○ Wetland / State Jurisdiction On Site (Answer 9b)
- ○ Wetland / State Jurisdiction Off Site
- ○ Wetland / Federal Jurisdiction On Site (Answer 9b)
- ○ Wetland / Federal Jurisdiction Off Site
- ○ Stream / Creek On Site
- ● Stream / Creek Off Site
- ○ River On Site
- ○ River Off Site
- ○ Lake On Site
- ○ Lake Off Site
- ○ Other Type On Site
- ○ Other Type Off Site

9b. How was the wetland identified?

- ● Regulatory Map
- ○ Delineated by Consultant
- ○ Delineated by Army Corps of Engineers
- ○ Other (identify)

10. Has the surface waterbody(ies) in question 9 been identified as a 303(d) segment in Appendix E of GP-0-20-001? ○ **Yes** ● **No**

11. Is this project located in one of the Watersheds identified in Appendix C of GP-0-20-001? ○ **Yes** ● **No**

12. Is the project located in one of the watershed areas associated with AA and AA-S classified waters? ○ **Yes** ● **No**
**If no, skip question 13.**

13. Does this construction activity disturb land with no existing impervious cover and where the Soil Slope Phase is identified as an E or F on the USDA Soil Survey? ○ **Yes** ● **No**
**If Yes, what is the acreage to be disturbed?**

. 

14. Will the project disturb soils within a State regulated wetland or the protected 100 foot adjacent area? ○ **Yes** ● **No**

15. Does the site runoff enter a separate storm sewer system (including roadside drains, swales, ditches, culverts, etc)? ● **Yes** ○ **No** ○ **Unknown**

16. What is the name of the municipality/entity that owns the separate storm sewer system?

City of Poughkeepsie

17. Does any runoff from the site enter a sewer classified as a Combined Sewer? ○ **Yes** ● **No** ○ **Unknown**

18. Will future use of this site be an agricultural property as defined by the NYS Agriculture and Markets Law? ○ **Yes** ● **No**

19. Is this property owned by a state authority, state agency, federal government or local government? ○ **Yes** ● **No**

20. Is this a remediation project being done under a Department approved work plan? (i.e. CERCLA, RCRA, Voluntary Cleanup Agreement, etc.) ○ **Yes** ● **No**

21. Has the required Erosion and Sediment Control component of the SWPPP been developed in conformance with the current NYS Standards and Specifications for Erosion and Sediment Control (aka Blue Book)? ● **Yes** ○ **No**

22. Does this construction activity require the development of a SWPPP that includes the post-construction stormwater management practice component (i.e. Runoff Reduction, Water Quality and Quantity Control practices/techniques)? ● **Yes** ○ **No**
**If No, skip questions 23 and 27-39.**

23. Has the post-construction stormwater management practice component of the SWPPP been developed in conformance with the current NYS Stormwater Management Design Manual? ● **Yes** ○ **No**

24. The Stormwater Pollution Prevention Plan (SWPPP) was prepared by:

- ● **Professional Engineer (P.E.)**
- ○ **Soil and Water Conservation District (SWCD)**
- ○ **Registered Landscape Architect (R.L.A)**
- ○ **Certified Professional in Erosion and Sediment Control (CPESC)**
- ○ **Owner/Operator**
- ○ **Other**

SWPPP Preparer
LRC Engineering & Surveying, DPC

Contact Name (Last, Space, First)
Morrison, Rodney

Mailing Address
85 Civic Center Plaza, Suite 103

City
Poughkeepsie

State NY Zip 12601-

Phone 845-243-2880

Fax --

Email
rmorrison@lrcconsult.com

**SWPPP Preparer Certification**

I hereby certify that the Stormwater Pollution Prevention Plan (SWPPP) for this project has been prepared in accordance with the terms and conditions of the GP-0-20-001. Furthermore, I understand that certifying false, incorrect or inaccurate information is a violation of this permit and the laws of the State of New York and could subject me to criminal, civil and/or administrative proceedings.

**First Name** Rodney **MI** E

**Last Name** Morrison

**Signature**

**Date** 08/27/2021

25. Has a construction sequence schedule for the planned management practices been prepared? ○ Yes ○ No

26. Select **all** of the erosion and sediment control practices that will be employed on the project site:

## Temporary Structural

- ○ Check Dams
- ○ Construction Road Stabilization
- ○ Dust Control
- ○ Earth Dike
- ○ Level Spreader
- ○ Perimeter Dike/Swale
- ○ Pipe Slope Drain
- ○ Portable Sediment Tank
- ○ Rock Dam
- ○ Sediment Basin
- ○ Sediment Traps
- ● Silt Fence
- ● Stabilized Construction Entrance
- ● Storm Drain Inlet Protection
- ○ Straw/Hay Bale Dike
- ○ Temporary Access Waterway Crossing
- ○ Temporary Stormdrain Diversion
- ○ Temporary Swale
- ○ Turbidity Curtain
- ○ Water bars

## Biotechnical

- ○ Brush Matting
- ○ Wattling

## Vegetative Measures

- ○ Brush Matting
- ○ Dune Stabilization
- ○ Grassed Waterway
- ● Mulching
- ○ Protecting Vegetation
- ○ Recreation Area Improvement
- ● Seeding
- ○ Sodding
- ○ Straw/Hay Bale Dike
- ○ Streambank Protection
- ○ Temporary Swale
- ● Topsoiling
- ○ Vegetating Waterways

## Permanent Structural

- ○ Debris Basin
- ○ Diversion
- ○ Grade Stabilization Structure
- ○ Land Grading
- ○ Lined Waterway (Rock)
- ○ Paved Channel (Concrete)
- ○ Paved Flume
- ○ Retaining Wall
- ○ Riprap Slope Protection
- ○ Rock Outlet Protection
- ○ Streambank Protection

Other

**Post-construction Stormwater Management Practice (SMP) Requirements**

**Important: Completion of Questions 27-39 is not required if response to Question 22 is No.**

27. Identify all site planning practices that were used to prepare the final site plan/layout for the project.

- ● **Preservation of Undisturbed Areas**
- ○ **Preservation of Buffers**
- ● **Reduction of Clearing and Grading**
- ● **Locating Development in Less Sensitive Areas**
- ● **Roadway Reduction**
- ● **Sidewalk Reduction**
- ● **Driveway Reduction**
- ● **Cul-de-sac Reduction**
- ● **Building Footprint Reduction**
- ○ **Parking Reduction**

27a. Indicate which of the following soil restoration criteria was used to address the requirements in Section 5.1.6("Soil Restoration") of the Design Manual (2010 version).

- ● All disturbed areas will be restored in accordance with the Soil Restoration requirements in Table 5.3 of the Design Manual (see page 5-22).
- ○ Compacted areas were considered as impervious cover when calculating the **WQv Required**, and the compacted areas were assigned a post-construction Hydrologic Soil Group (HSG) designation that is one level less permeable than existing conditions for the hydrology analysis.

28. Provide the total Water Quality Volume (WQv) required for this project (based on final site plan/layout).

**Total WQv Required**

| | | | | | | |
|---|---|---|---|---|---|---|
| | | 0 | . | 0 | 2 | |

**acre-feet**

29. Identify the RR techniques (Area Reduction), RR techniques(Volume Reduction) and Standard SMPs with RRv Capacity in Table 1 (See Page 9) that were used to reduce the Total WQv Required(#28).

Also, provide in Table 1 the total impervious area that contributes runoff to each technique/practice selected. For the Area Reduction Techniques, provide the total contributing area (includes pervious area) and, if applicable, the total impervious area that contributes runoff to the technique/practice.

**Note:** Redevelopment projects shall use Tables 1 and 2 to identify the SMPs used to treat and/or reduce the WQv required. If runoff reduction techniques will not be used to reduce the required WQv, skip to question 33a after identifying the SMPs.

**Table 1 - Runoff Reduction (RR) Techniques and Standard Stormwater Management Practices (SMPs)**

| | Total Contributing Area (acres) | | Total Contributing Impervious Area (acres) |
|---|---|---|---|
| **RR Techniques (Area Reduction)** | | | |
| ○ Conservation of Natural Areas (RR-1) | | and/or | |
| ○ Sheetflow to Riparian Buffers/Filters Strips (RR-2) | | and/or | |
| ○ Tree Planting/Tree Pit (RR-3) | | and/or | |
| ○ Disconnection of Rooftop Runoff (RR-4) | | and/or | |
| **RR Techniques (Volume Reduction)** | | | |
| ○ Vegetated Swale (RR-5) | | | |
| ○ Rain Garden (RR-6) | | | |
| ○ Stormwater Planter (RR-7) | | | |
| ○ Rain Barrel/Cistern (RR-8) | | | |
| ○ Porous Pavement (RR-9) | | | |
| ○ Green Roof (RR-10) | | | |
| **Standard SMPs with RRv Capacity** | | | |
| ○ Infiltration Trench (I-1) | | | |
| ○ Infiltration Basin (I-2) | | | |
| ○ Dry Well (I-3) | | | |
| ○ Underground Infiltration System (I-4) | | | 0.31 |
| ○ Bioretention (F-5) | | | |
| ○ Dry Swale (O-1) | | | |
| **Standard SMPs** | | | |
| ○ Micropool Extended Detention (P-1) | | | |
| ○ Wet Pond (P-2) | | | |
| ○ Wet Extended Detention (P-3) | | | |
| ○ Multiple Pond System (P-4) | | | |
| ○ Pocket Pond (P-5) | | | |
| ○ Surface Sand Filter (F-1) | | | |
| ○ Underground Sand Filter (F-2) | | | |
| ○ Perimeter Sand Filter (F-3) | | | |
| ○ Organic Filter (F-4) | | | |
| ○ Shallow Wetland (W-1) | | | |
| ○ Extended Detention Wetland (W-2) | | | |
| ○ Pond/Wetland System (W-3) | | | |
| ○ Pocket Wetland (W-4) | | | |
| ○ Wet Swale (O-2) | | | |

**Table 2 - Alternative SMPs (DO NOT INCLUDE PRACTICES BEING USED FOR PRETREATMENT ONLY)**

| Alternative SMP | Total Contributing Impervious Area(acres) |
|---|---|
| ○ **Hydrodynamic** ..... | |
| ○ **Wet Vault** ..... | |
| ○ **Media Filter** ..... | |
| ○ **Other** [ ] ..... | |

Provide the name and manufacturer of the Alternative SMPs (i.e. proprietary practice(s)) being used for WQv treatment.

Name

Manufacturer

**Note**: Redevelopment projects which do not use RR techniques, shall use questions 28, 29, 33 and 33a to provide SMPs used, total WQv required and total WQv provided for the project.

30. Indicate the Total RRv provided by the RR techniques (Area/Volume Reduction) and Standard SMPs with RRv capacity identified in question 29.

**Total RRv provided**

0.02 **acre-feet**

31. Is the Total RRv provided (#30) greater than or equal to the total WQv required (#28).

● **Yes** ○ **No**

**If Yes, go to question 36.**
**If No, go to question 32.**

32. Provide the Minimum RRv required based on HSG.
[Minimum RRv Required = (P)(0.95)(Ai)/12, Ai=(S)(Aic)]

**Minimum RRv Required**

. **acre-feet**

32a. Is the Total RRv provided (#30) greater than or equal to the Minimum RRv Required (#32)?

○ **Yes** ○ **No**

**If Yes, go to question 33.**
**Note**: Use the space provided in question #39 to summarize the specific site limitations and justification for not reducing 100% of WQv required (#28). A detailed evaluation of the specific site limitations and justification for not reducing 100% of the WQv required (#28) must also be included in the SWPPP.
**If No, sizing criteria has not been met, so NOI can not be processed. SWPPP preparer must modify design to meet sizing criteria.**

33. Identify the Standard SMPs in Table 1 and, if applicable, the Alternative SMPs in Table 2 that were used to treat the remaining total WQv(=Total WQv Required in 28 - Total RRv Provided in 30).

Also, provide in Table 1 and 2 the total impervious area that contributes runoff to each practice selected.

**Note**: Use Tables 1 and 2 to identify the SMPs used on Redevelopment projects.

33a. Indicate the Total WQv provided (i.e. WQv treated) by the SMPs identified in question #33 and Standard SMPs with RRv Capacity identified in question 29.

**WQv Provided**

[ ][ ][ ].[ ][ ][ ] **acre-feet**

**Note**: For the standard SMPs with RRv capacity, the WQv provided by each practice = the WQv calculated using the contributing drainage area to the practice - RRv provided by the practice. (See Table 3.5 in Design Manual)

34. Provide the sum of the Total RRv provided (#30) and the WQv provided (#33a). [ ][ ][ ].[ ][ ][ ]

35. Is the sum of the RRv provided (#30) and the WQv provided (#33a) greater than or equal to the total WQv required (#28)? ○ **Yes** ○ **No**

**If Yes, go to question 36.**
**If No, sizing criteria has not been met, so NOI can not be processed. SWPPP preparer must modify design to meet sizing criteria.**

36. Provide the total Channel Protection Storage Volume (CPv) required and provided or select waiver (36a), if applicable.

**CPv Required**

[ ][ ][ ].[ ][ ][ ] **acre-feet**

**CPv Provided**

[ ][ ][ ].[ ][ ][ ] **acre-feet**

36a. The need to provide channel protection has been waived because:

○ Site discharges directly to tidal waters or a fifth order or larger stream.

● Reduction of the total CPv is achieved on site through runoff reduction techniques or infiltration systems.

37. Provide the Overbank Flood (Qp) and Extreme Flood (Qf) control criteria or select waiver (37a), if applicable.

**Total Overbank Flood Control Criteria (Qp)**

**Pre-Development**

[ ][ ]7.[9][ ][ ] **CFS**

**Post-development**

[ ][ ]7.[6][ ][ ] **CFS**

**Total Extreme Flood Control Criteria (Qf)**

**Pre-Development**

[ ]14.[1][ ][ ] **CFS**

**Post-development**

[ ]13.[6][ ][ ] **CFS**

37a. The need to meet the Qp and Qf criteria has been waived because:

- ○ Site discharges directly to tidal waters or a fifth order or larger stream.
- ○ Downstream analysis reveals that the Qp and Qf controls are not required

38. Has a long term Operation and Maintenance Plan for the post-construction stormwater management practice(s) been developed? ● **Yes** ○ **No**

If Yes, Identify the entity responsible for the long term Operation and Maintenance

Owner

39. Use this space to summarize the specific site limitations and justification for not reducing 100% of WQv required(#28). (See question 32a) This space can also be used for other pertinent project information.

40. Identify other DEC permits, existing and new, that are required for this project/facility.

- ○ Air Pollution Control
- ○ Coastal Erosion
- ○ Hazardous Waste
- ○ Long Island Wells
- ○ Mined Land Reclamation
- ○ Solid Waste
- ○ Navigable Waters Protection / Article 15
- ○ Water Quality Certificate
- ○ Dam Safety
- ○ Water Supply
- ○ Freshwater Wetlands/Article 24
- ○ Tidal Wetlands
- ○ Wild, Scenic and Recreational Rivers
- ○ Stream Bed or Bank Protection / Article 15
- ○ Endangered or Threatened Species(Incidental Take Permit)
- ○ Individual SPDES
- ○ SPDES Multi-Sector GP [N][Y][R][ ][ ][ ][ ][ ][ ]
- ○ Other [ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ]
- ● None

41. Does this project require a US Army Corps of Engineers Wetland Permit? ○ **Yes** ● **No**
**If Yes, Indicate Size of Impact.** [ ][ ][ ][ ][ ].[ ]

42. Is this project subject to the requirements of a regulated, traditional land use control MS4? ● **Yes** ○ **No**
**(If No, skip question 43)**

43. Has the "MS4 SWPPP Acceptance" form been signed by the principal executive officer or ranking elected official and submitted along with this NOI? ● **Yes** ○ **No**

44. If this NOI is being submitted for the purpose of continuing or transferring coverage under a general permit for stormwater runoff from construction activities, please indicate the former SPDES number assigned. [N][Y][R][ ][ ][ ][ ][ ][ ]

## Owner/Operator Certification

I have read or been advised of the permit conditions and believe that I understand them. I also understand that, under the terms of the permit, there may be reporting requirements. I hereby certify that this document and the corresponding documents were prepared under my direction or supervision. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further understand that coverage under the general permit will be identified in the acknowledgment that I will receive as a result of submitting this NOI and can be as long as sixty (60) business days as provided for in the general permit. I also understand that, by submitting this NOI, I am acknowledging that the SWPPP has been developed and will be implemented as the first element of construction, and agreeing to comply with all the terms and conditions of the general permit for which this NOI is being submitted.

**Print First Name**

**MI**

**Print Last Name**

**Owner/Operator Signature**

**Date**

/ /

**New York State Department of Environmental Conservation**
**Division of Water**
**625 Broadway, 4th Floor**
**Albany, New York 12233-3505**
***(NOTE: Submit completed form to address above)***

# NOTICE OF TERMINATION for Storm Water Discharges Authorized under the SPDES General Permit for Construction Activity

**Please indicate your permit identification number:** NYR ___ ___ ___ ___ ___ ___

**I. Owner or Operator Information**

1. Owner/Operator Name:

2. Street Address:

3. City/State/Zip:

4. Contact Person: | 4a.Telephone:

4b. Contact Person E-Mail:

**II. Project Site Information**

5. Project/Site Name:

6. Street Address:

7. City/Zip:

8. County:

**III. Reason for Termination**

9a. □ All disturbed areas have achieved final stabilization in accordance with the general permit and SWPPP. ***Date final stabilization completed** (month/year): _____

9b. □ Permit coverage has been transferred to new owner/operator. Indicate new owner/operator's permit identification number: NYR ___ ___ ___ ___ ___ ___
(Note: Permit coverage can not be terminated by owner identified in I.1. above until new owner/operator obtains coverage under the general permit)

9c. □ Other (Explain on Page 2)

**IV. Final Site Information**:

10a. Did this construction activity require the development of a SWPPP that includes post-construction stormwater management practices? □ yes □ no ( If no, go to question 10f.)

10b. Have all post-construction stormwater management practices included in the final SWPPP been constructed? □ yes □ no (If no, explain on Page 2)

10c. Identify the entity responsible for long-term operation and maintenance of practice(s)?

_____

## NOTICE OF TERMINATION for Storm Water Discharges Authorized under the SPDES General Permit for Construction Activity - continued

10d. Has the entity responsible for long-term operation and maintenance been given a copy of the operation and maintenance plan required by the general permit? □ yes □ no

10e. Indicate the method used to ensure long-term operation and maintenance of the post-construction stormwater management practice(s):

□ Post-construction stormwater management practice(s) and any right-of-way(s) needed to maintain practice(s) have been deeded to the municipality.

□ Executed maintenance agreement is in place with the municipality that will maintain the post-construction stormwater management practice(s).

□ For post-construction stormwater management practices that are privately owned, a mechanism is in place that requires operation and maintenance of the practice(s) in accordance with the operation and maintenance plan, such as a deed covenant in the owner or operator's deed of record.

□ For post-construction stormwater management practices that are owned by a public or private institution (e.g. school, university or hospital), government agency or authority, or public utility; policy and procedures are in place that ensures operation and maintenance of the practice(s) in accordance with the operation and maintenance plan.

10f. Provide the total area of impervious surface (i.e. roof, pavement, concrete, gravel, etc.) constructed within the disturbance area? _____ (acres)

11. Is this project subject to the requirements of a regulated, traditional land use control MS4? □ yes □ no

(If Yes, complete section VI - "MS4 Acceptance" statement

**V. Additional Information/Explanation:**

(Use this section to answer questions 9c. and 10b., if applicable)

**VI. MS4 Acceptance - MS4 Official (principal executive officer or ranking elected official) or Duly Authorized Representative** (Note: Not required when 9b. is checked -transfer of coverage)

I have determined that it is acceptable for the owner or operator of the construction project identified in question 5 to submit the Notice of Termination at this time.

| | |
|---|---|
| Printed Name: | |
| Title/Position: | |
| Signature: | Date: |

## NOTICE OF TERMINATION for Storm Water Discharges Authorized under the SPDES General Permit for Construction Activity - continued

**VII. Qualified Inspector Certification - Final Stabilization**:

I hereby certify that all disturbed areas have achieved final stabilization as defined in the current version of the general permit, and that all temporary, structural erosion and sediment control measures have been removed. Furthermore, I understand that certifying false, incorrect or inaccurate information is a violation of the referenced permit and the laws of the State of New York and could subject me to criminal, civil and/or administrative proceedings.

| | |
|---|---|
| Printed Name: | |
| Title/Position: | |
| Signature: | Date: |

**VIII. Qualified Inspector Certification - Post-construction Stormwater Management Practice(s):**

I hereby certify that all post-construction stormwater management practices have been constructed in conformance with the SWPPP. Furthermore, I understand that certifying false, incorrect or inaccurate information is a violation of the referenced permit and the laws of the State of New York and could subject me to criminal, civil and/or administrative proceedings.

| | |
|---|---|
| Printed Name: | |
| Title/Position: | |
| Signature: | Date: |

**IX. Owner or Operator Certification**

I hereby certify that this document was prepared by me or under my direction or supervision. My determination, based upon my inquiry of the person(s) who managed the construction activity, or those persons directly responsible for gathering the information, is that the information provided in this document is true, accurate and complete. Furthermore, I understand that certifying false, incorrect or inaccurate information is a violation of the referenced permit and the laws of the State of New York and could subject me to criminal, civil and/or administrative proceedings.

| | |
|---|---|
| Printed Name: | |
| Title/Position: | |
| Signature: | Date: |

(NYS DEC Notice of Termination - January 2015)

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SPDES GENERAL PERMIT
FOR STORMWATER DISCHARGES

From

**CONSTRUCTION ACTIVITY**

Permit No. GP- 0-20-001

Issued Pursuant to Article 17, Titles 7, 8 and Article 70

of the Environmental Conservation Law

Effective Date: January 29, 2020 Expiration Date: January 28, 2025

John J. Ferguson

Chief Permit Administrator

1-23-20

Authorized Signature Date

Address: NYS DEC
Division of Environmental Permits
625 Broadway, 4th Floor
Albany, N.Y. 12233-1750

## PREFACE

Pursuant to Section 402 of the Clean Water Act ("CWA"), stormwater *discharges* from certain *construction activities* are unlawful unless they are authorized by a *National Pollutant Discharge Elimination System ("NPDES")* permit or by a state permit program. New York administers the approved State Pollutant Discharge Elimination System (SPDES) program with permits issued in accordance with the New York State Environmental Conservation Law (ECL) Article 17, Titles 7, 8 and Article 70.

An *owner or operator* of a *construction activity* that is eligible for coverage under this permit must obtain coverage prior to the *commencement of construction activity*. Activities that fit the definition of "*construction activity*", as defined under 40 CFR 122.26(b)(14)(x), (15)(i), and (15)(ii), constitute construction of a *point source* and therefore, pursuant to ECL section 17-0505 and 17-0701, the *owner or operator* must have coverage under a SPDES permit prior to *commencing construction activity*. The *owner or operator* cannot wait until there is an actual *discharge* from the *construction site* to obtain permit coverage.

***Note: The italicized words/phrases within this permit are defined in Appendix A.**

**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION**
**SPDES GENERAL PERMIT FOR STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITIES**

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## Part 1. PERMIT COVERAGE AND LIMITATIONS

### A. Permit Application

This permit authorizes stormwater *discharges* to *surface waters of the State* from the following *construction activities* identified within 40 CFR Parts 122.26(b)(14)(x), 122.26(b)(15)(i) and 122.26(b)(15)(ii), provided all of the eligibility provisions of this permit are met:

1. *Construction activities* involving soil disturbances of one (1) or more acres; including disturbances of less than one acre that are part of a *larger common plan of development or sale* that will ultimately disturb one or more acres of land; excluding *routine maintenance activity* that is performed to maintain the original line and grade, hydraulic capacity or original purpose of a facility;

2. *Construction activities* involving soil disturbances of less than one (1) acre where the Department has determined that a *SPDES* permit is required for stormwater *discharges* based on the potential for contribution to a violation of a *water quality standard* or for significant contribution of *pollutants* to *surface waters of the State.*

3. *Construction activities* located in the watershed(s) identified in Appendix D that involve soil disturbances between five thousand (5,000) square feet and one (1) acre of land.

### B. Effluent Limitations Applicable to Discharges from Construction Activities

*Discharge*s authorized by this permit must achieve, at a minimum, the effluent limitations in Part I.B.1. (a) – (f) of this permit. These limitations represent the degree of effluent reduction attainable by the application of best practicable technology currently available.

1. Erosion and Sediment Control Requirements - The *owner or operator* must select, design, install, implement and maintain control measures to *minimize* the *discharge* of *pollutants* and prevent a violation of the *water quality standards*. The selection, design, installation, implementation, and maintenance of these control measures must meet the non-numeric effluent limitations in Part I.B.1.(a) – (f) of this permit and be in accordance with the New York State Standards and Specifications for Erosion and Sediment Control, dated November 2016, using sound engineering judgment. Where control measures are not designed in conformance with the design criteria included in the technical standard, the *owner or operator* must include in the *Stormwater Pollution Prevention Plan* (“SWPPP”) the reason(s) for the

deviation or alternative design and provide information which demonstrates that the deviation or alternative design is *equivalent* to the technical standard.

a. **Erosion and Sediment Controls.** Design, install and maintain effective erosion and sediment controls to *minimize* the *discharge* of *pollutants* and prevent a violation of the *water quality standards*. At a minimum, such controls must be designed, installed and maintained to:

   (i) *Minimize* soil erosion through application of runoff control and soil stabilization control measure to *minimize pollutant discharge*s;

   (ii) Control stormwater *discharge*s, including both peak flowrates and total stormwater volume, to *minimize* channel and *streambank* erosion and scour in the immediate vicinity of the *discharge* points;

   (iii) *Minimize* the amount of soil exposed during *construction activity*;

   (iv) *Minimize* the disturbance of *steep slopes*;

   (v) *Minimize* sediment *discharge*s from the site;

   (vi) Provide and maintain *natural buffer*s around surface waters, direct stormwater to vegetated areas and maximize stormwater infiltration to reduce *pollutant discharge*s, unless *infeasible*;

   (vii) *Minimize* soil compaction. Minimizing soil compaction is not required where the intended function of a specific area of the site dictates that it be compacted;

   (viii) Unless *infeasible*, preserve a sufficient amount of topsoil to complete soil restoration and establish a uniform, dense vegetative cover; and

   (ix) *Minimize* dust. On areas of exposed soil, *minimize* dust through the appropriate application of water or other dust suppression techniques to control the generation of pollutants that could be discharged from the site.

b. **Soil Stabilization**. In areas where soil disturbance activity has temporarily or permanently ceased, the application of soil stabilization measures must be initiated by the end of the next business day and completed within fourteen (14) days from the date the current soil disturbance activity ceased. For construction sites that *directly discharge* to one of the 303(d) segments

listed in Appendix E or is located in one of the watersheds listed in Appendix C, the application of soil stabilization measures must be initiated by the end of the next business day and completed within seven (7) days from the date the current soil disturbance activity ceased. See Appendix A for definition of *Temporarily Ceased*.

c. **Dewatering**. *Discharge*s from *dewatering* activities, including *discharge*s from *dewatering* of trenches and excavations, must be managed by appropriate control measures.

d. **Pollution Prevention Measures**. Design, install, implement, and maintain effective pollution prevention measures to *minimize* the *discharge* of *pollutants* and prevent a violation of the *water quality standards*. At a minimum, such measures must be designed, installed, implemented and maintained to:

(i) *Minimize* the *discharge* of *pollutants* from equipment and vehicle washing, wheel wash water, and other wash waters. This applies to washing operations that use clean water only. Soaps, detergents and solvents cannot be used;

(ii) *Minimize* the exposure of building materials, building products, construction wastes, trash, landscape materials, fertilizers, pesticides, herbicides, detergents, sanitary waste, hazardous and toxic waste, and other materials present on the site to precipitation and to stormwater. Minimization of exposure is not required in cases where the exposure to precipitation and to stormwater will not result in a *discharge* of *pollutants*, or where exposure of a specific material or product poses little risk of stormwater contamination (such as final products and materials intended for outdoor use) ; and

(iii) Prevent the *discharge* of *pollutants* from spills and leaks and implement chemical spill and leak prevention and response procedures.

e. **Prohibited *Discharges*.** The following *discharge*s are prohibited:

(i) Wastewater from washout of concrete;

(ii) Wastewater from washout and cleanout of stucco, paint, form release oils, curing compounds and other construction materials;

(iii) Fuels, oils, or other *pollutants* used in vehicle and equipment operation and maintenance;

(iv) Soaps or solvents used in vehicle and equipment washing; and

(v) Toxic or hazardous substances from a spill or other release.

f. Surface Outlets. When discharging from basins and impoundments, the outlets shall be designed, constructed and maintained in such a manner that sediment does not leave the basin or impoundment and that erosion at or below the outlet does not occur.

## C. Post-construction Stormwater Management Practice Requirements

1. The *owner or operator* of a *construction activity* that requires post-construction stormwater management practices pursuant to Part III.C. of this permit must select, design, install, and maintain the practices to meet the *performance criteria* in the New York State Stormwater Management Design Manual ("Design Manual"), dated January 2015, using sound engineering judgment. Where post-construction stormwater management practices ("SMPs") are not designed in conformance with the *performance criteria* in the Design Manual, the *owner or operator* must include in the SWPPP the reason(s) for the deviation or alternative design and provide information which demonstrates that the deviation or alternative design is *equivalent* to the technical standard.

2. The *owner or operator* of a *construction activity* that requires post-construction stormwater management practices pursuant to Part III.C. of this permit must design the practices to meet the applicable *sizing criteria* in Part I.C.2.a., b., c. or d. of this permit.

### a. Sizing Criteria for New Development

(i) Runoff Reduction Volume ("RRv"): Reduce the total Water Quality Volume ("WQv") by application of RR techniques and standard SMPs with RRv capacity. The total WQv shall be calculated in accordance with the criteria in Section 4.2 of the Design Manual.

(ii) Minimum RRv and Treatment of Remaining Total WQv: Construction activities that cannot meet the criteria in Part I.C.2.a.(i) of this permit due to site limitations shall direct runoff from all newly constructed impervious areas to a RR technique or standard SMP with RRv capacity unless infeasible. The specific site limitations that prevent the reduction of 100% of the WQv shall be documented in the SWPPP.

For each impervious area that is not directed to a RR technique or standard SMP with RRv capacity, the SWPPP must include documentation which demonstrates that all options were considered and for each option explains why it is considered infeasible.

**In no case shall the runoff reduction achieved from the newly constructed impervious areas be less than the Minimum RRv as calculated using the criteria in Section 4.3 of the Design Manual.** The remaining portion of the total WQv that cannot be reduced shall be treated by application of standard SMPs.

(iii) Channel Protection Volume ("Cpv"): Provide 24 hour extended detention of the post-developed 1-year, 24-hour storm event; remaining after runoff reduction. The Cpv requirement does not apply when:
(1) Reduction of the entire Cpv is achieved by application of runoff reduction techniques or infiltration systems, or
(2) The site discharges directly to tidal waters, or fifth order or larger streams.

(iv) *Overbank* Flood Control Criteria ("Qp"): Requires storage to attenuate the post-development 10-year, 24-hour peak discharge rate (Qp) to predevelopment rates. The Qp requirement does not apply when:
(1) the site discharges directly to tidal waters or fifth order or larger streams, or
(2) A downstream analysis reveals that *overbank* control is not required.

(v) Extreme Flood Control Criteria ("Qf"): Requires storage to attenuate the post-development 100-year, 24-hour peak discharge rate (Qf) to predevelopment rates. The Qf requirement does not apply when:
(1) the site discharges directly to tidal waters or fifth order or larger streams, or
(2) A downstream analysis reveals that *overbank* control is not required.

**b. *Sizing Criteria* for *New Development* in Enhanced Phosphorus Removal Watershed**

(i) Runoff Reduction Volume (RRv): Reduce the total Water Quality Volume (WQv) by application of RR techniques and standard SMPs with RRv capacity. The total WQv is the runoff volume from the 1-year, 24 hour design storm over the post-developed watershed and shall be

calculated in accordance with the criteria in Section 10.3 of the Design Manual.

(ii) Minimum RRv and Treatment of Remaining Total WQv: *Construction activities* that cannot meet the criteria in Part I.C.2.b.(i) of this permit due to *site limitations* shall direct runoff from all newly constructed *impervious areas* to a RR technique or standard SMP with RRv capacity unless *infeasible*. The specific *site limitations* that prevent the reduction of 100% of the WQv shall be documented in the SWPPP. For each *impervious area* that is not directed to a RR technique or standard SMP with RRv capacity, the SWPPP must include documentation which demonstrates that all options were considered and for each option explains why it is considered *infeasible.*

**In no case shall the runoff reduction achieved from the newly constructed *impervious areas* be less than the Minimum RRv as calculated using the criteria in Section 10.3 of the Design Manual.** The remaining portion of the total WQv that cannot be reduced shall be treated by application of standard SMPs.

(iii) Channel Protection Volume (Cpv): Provide 24 hour extended detention of the post-developed 1-year, 24-hour storm event; remaining after runoff reduction. The Cpv requirement does not apply when:
(1) Reduction of the entire Cpv is achieved by application of runoff reduction techniques or infiltration systems, or
(2) The site *discharge*s directly to tidal waters, or fifth order or larger streams.

(iv) *Overbank* Flood Control Criteria (Qp): Requires storage to attenuate the post-development 10-year, 24-hour peak *discharge* rate (Qp) to predevelopment rates. The Qp requirement does not apply when:
(1) the site *discharge*s directly to tidal waters or fifth order or larger streams, or
(2) A downstream analysis reveals that *overbank* control is not required.

(v) Extreme Flood Control Criteria (Qf): Requires storage to attenuate the post-development 100-year, 24-hour peak *discharge* rate (Qf) to predevelopment rates. The Qf requirement does not apply when:
(1) the site *discharge*s directly to tidal waters or fifth order or larger streams, or
(2) A downstream analysis reveals that *overbank* control is not required.

## c. Sizing Criteria for Redevelopment Activity

(i) Water Quality Volume (WQv): The WQv treatment objective for *redevelopment activity* shall be addressed by one of the following options. *Redevelopment activities* located in an Enhanced Phosphorus Removal Watershed (see Part III.B.3. and Appendix C of this permit) shall calculate the WQv in accordance with Section 10.3 of the Design Manual. All other *redevelopment activities* shall calculate the WQv in accordance with Section 4.2 of the Design Manual.

(1) Reduce the existing *impervious cover* by a minimum of 25% of the total disturbed, *impervious area*. The Soil Restoration criteria in Section 5.1.6 of the Design Manual must be applied to all newly created pervious areas, or

(2) Capture and treat a minimum of 25% of the WQv from the disturbed, *impervious area* by the application of standard SMPs; or reduce 25% of the WQv from the disturbed, *impervious area* by the application of RR techniques or standard SMPs with RRv capacity., or

(3) Capture and treat a minimum of 75% of the WQv from the disturbed, *impervious area* as well as any additional runoff from tributary areas by application of the alternative practices discussed in Sections 9.3 and 9.4 of the Design Manual., or

(4) Application of a combination of 1, 2 and 3 above that provide a weighted average of at least two of the above methods. Application of this method shall be in accordance with the criteria in Section 9.2.1(B) (IV) of the Design Manual.

If there is an existing post-construction stormwater management practice located on the site that captures and treats runoff from the *impervious area* that is being disturbed, the WQv treatment option selected must, at a minimum, provide treatment equal to the treatment that was being provided by the existing practice(s) if that treatment is greater than the treatment required by options 1 – 4 above.

(ii) Channel Protection Volume (Cpv): Not required if there are no changes to hydrology that increase the *discharge* rate from the project site.

(iii) *Overbank* Flood Control Criteria (Qp): Not required if there are no changes to hydrology that increase the *discharge* rate from the project site.

(iv) Extreme Flood Control Criteria (Qf): Not required if there are no changes to hydrology that increase the *discharge* rate from the project site

**d. Sizing Criteria for Combination of Redevelopment Activity and New Development**

Construction projects that include both New Development and Redevelopment Activity shall provide post-construction stormwater management controls that meet the sizing criteria calculated as an aggregate of the Sizing Criteria in Part I.C.2.a. or b. of this permit for the New Development portion of the project and Part I.C.2.c of this permit for Redevelopment Activity portion of the project.

## D. Maintaining Water Quality

The Department expects that compliance with the conditions of this permit will control *discharge*s necessary to meet applicable *water quality standards*. It shall be a violation of the *ECL* for any discharge to either cause or contribute to a violation of *water quality standards* as contained in Parts 700 through 705 of Title 6 of the Official Compilation of Codes, Rules and Regulations of the State of New York, such as:

1. There shall be no increase in turbidity that will cause a substantial visible contrast to natural conditions;

2. There shall be no increase in suspended, colloidal or settleable solids that will cause deposition or impair the waters for their best usages; and

3. There shall be no residue from oil and floating substances, nor visible oil film, nor globules of grease.

If there is evidence indicating that the stormwater *discharge*s authorized by this permit are causing, have the reasonable potential to cause, or are contributing to a violation of the *water quality standards*; the *owner or operator* must take appropriate corrective action in accordance with Part IV.C.5. of this general permit and document in accordance with Part IV.C.4. of this general permit. To address the *water quality standard* violation the *owner or operator* may need to provide additional information, include and implement appropriate controls in the SWPPP to correct the problem, or obtain an individual SPDES permit.

If there is evidence indicating that despite compliance with the terms and conditions of this general permit it is demonstrated that the stormwater *discharge*s authorized by this permit are causing or contributing to a violation of *water quality standards*, or if the Department determines that a modification of the permit is necessary to prevent a violation of *water quality standards*, the authorized *discharge*s will no longer be eligible for coverage under this permit. The Department may require the *owner or operator* to obtain an individual SPDES permit to continue discharging.

## E. Eligibility Under This General Permit

1. This permit may authorize all *discharges* of stormwater from *construction activity* to *surface waters of the State* and *groundwaters* except for ineligible *discharges* identified under subparagraph F. of this Part.

2. Except for non-stormwater *discharges* explicitly listed in the next paragraph, this permit only authorizes stormwater *discharge*s; including stormwater runoff, snowmelt runoff, and surface runoff and drainage, from *construction activities*.

3. Notwithstanding paragraphs E.1 and E.2 above, the following non-stormwater discharges are authorized by this permit: those listed in 6 NYCRR 750-1.2(a)(29)(vi), with the following exception: "Discharges from firefighting activities are authorized only when the firefighting activities are emergencies/unplanned"; waters to which other components have not been added that are used to control dust in accordance with the SWPPP; and uncontaminated *discharge*s from *construction site* de-watering operations. All non-stormwater discharges must be identified in the SWPPP. Under all circumstances, the *owner or operator* must still comply with *water quality standards* in Part I.D of this permit.

4. The *owner or operator* must maintain permit eligibility to *discharge* under this permit. Any *discharges* that are not compliant with the eligibility conditions of this permit are not authorized by the permit and the *owner or operator* must either apply for a separate permit to cover those ineligible *discharges* or take steps necessary to make the *discharge* eligible for coverage.

## F. Activities Which Are Ineligible for Coverage Under This General Permit

All of the following are **not** authorized by this permit:

1. *Discharge*s after *construction activities* have been completed and the site has undergone *final stabilization*;

2. *Discharge*s that are mixed with sources of non-stormwater other than those expressly authorized under subsection E.3. of this Part and identified in the SWPPP required by this permit;

3. *Discharges* that are required to obtain an individual SPDES permit or another SPDES general permit pursuant to Part VII.K. of this permit;

4. *Construction activities* or *discharges* from *construction activities* that may adversely affect an *endangered or threatened species* unless the *owner or*

*operator* has obtained a permit issued pursuant to 6 NYCRR Part 182 for the project or the Department has issued a letter of non-jurisdiction for the project. All documentation necessary to demonstrate eligibility shall be maintained on site in accordance with Part II.D.2 of this permit;

5. *Discharges* which either cause or contribute to a violation of *water quality standards* adopted pursuant to the *ECL* and its accompanying regulations;

6. *Construction activities* for residential, commercial and institutional projects:

   a. Where the *discharge*s from the *construction activities* are tributary to waters of the state classified as AA or AA-s; and

   b. Which are undertaken on land with no existing *impervious cover*; and

   c. Which disturb one (1) or more acres of land designated on the current United States Department of Agriculture ("USDA") Soil Survey as Soil Slope Phase "D", (provided the map unit name is inclusive of slopes greater than 25%), or Soil Slope Phase "E" or "F" (regardless of the map unit name), or a combination of the three designations.

7. *Construction activities* for linear transportation projects and linear utility projects:

   a. Where the *discharge*s from the *construction activities* are tributary to waters of the state classified as AA or AA-s; and

   b. Which are undertaken on land with no existing *impervious cover*; and

   c. Which disturb two (2) or more acres of land designated on the current USDA Soil Survey as Soil Slope Phase "D" (provided the map unit name is inclusive of slopes greater than 25%), or Soil Slope Phase "E" or "F" (regardless of the map unit name), or a combination of the three designations.

8. *Construction activities* that have the potential to affect an *historic property*, unless there is documentation that such impacts have been resolved. The following documentation necessary to demonstrate eligibility with this requirement shall be maintained on site in accordance with Part II.D.2 of this permit and made available to the Department in accordance with Part VII.F of this permit:

   a. Documentation that the *construction activity* is not within an archeologically sensitive area indicated on the sensitivity map, and that the *construction activity* is not located on or immediately adjacent to a property listed or determined to be eligible for listing on the National or State Registers of Historic Places, and that there is no new permanent building on the *construction site* within the following distances from a building, structure, or object that is more than 50 years old, or if there is such a new permanent building on the *construction site* within those parameters that NYS Office of Parks, Recreation and Historic Preservation (OPRHP), a Historic Preservation Commission of a Certified Local Government, or a qualified preservation professional has determined that the building, structure, or object more than 50 years old is not historically/archeologically significant.

      - 1-5 acres of disturbance - 20 feet
      - 5-20 acres of disturbance - 50 feet
      - 20+ acres of disturbance - 100 feet, or

   b. DEC consultation form sent to OPRHP, and copied to the NYS DEC Agency Historic Preservation Officer (APO), and
      (i) the State Environmental Quality Review (SEQR) Environmental Assessment Form (EAF) with a negative declaration or the Findings Statement, with documentation of OPRHP's agreement with the resolution; or
      (ii) documentation from OPRHP that the *construction activity* will result in No Impact; or
      (iii) documentation from OPRHP providing a determination of No Adverse Impact; or
      (iv) a Letter of Resolution signed by the owner/operator, OPRHP and the DEC APO which allows for this *construction activity* to be eligible for coverage under the general permit in terms of the State Historic Preservation Act (SHPA); or

   c. Documentation of satisfactory compliance with Section 106 of the National Historic Preservation Act for a coterminous project area:

(i) No Affect
(ii) No Adverse Affect
(iii) Executed Memorandum of Agreement, or

d. Documentation that:

(i) SHPA Section 14.09 has been completed by NYS DEC or another state agency.

9. *Discharge*s from *construction activities* that are subject to an existing SPDES individual or general permit where a SPDES permit for *construction activity* has been terminated or denied; or where the *owner or operator* has failed to renew an expired individual permit.

## Part II. PERMIT COVERAGE

### A. How to Obtain Coverage

1. An *owner or operator* of a *construction activity* that is not subject to the requirements of a regulated, traditional land use control MS4 must first prepare a SWPPP in accordance with all applicable requirements of this permit and then submit a completed Notice of Intent (NOI) to the Department to be authorized to discharge under this permit.

2. An *owner or operator* of a *construction activity* that is subject to the requirements of a *regulated, traditional land use control MS4* must first prepare a SWPPP in accordance with all applicable requirements of this permit and then have the SWPPP reviewed and accepted by the *regulated, traditional land use control MS4* prior to submitting the NOI to the Department. The *owner or operator* shall have the “MS4 SWPPP Acceptance” form signed in accordance with Part VII.H., and then submit that form along with a completed NOI to the Department.

3. The requirement for an *owner or operator* to have its SWPPP reviewed and accepted by the *regulated, traditional land use control MS4* prior to submitting the NOI to the Department does not apply to an *owner or operator* that is obtaining permit coverage in accordance with the requirements in Part II.F. (Change of *Owner or Operator*) or where the *owner or operator* of the *construction activity* is the *regulated, traditional land use control MS4* . This exemption does not apply to *construction activities* subject to the New York City Administrative Code.

## B. Notice of Intent (NOI) Submittal

1. Prior to December 21, 2020, an owner or operator shall use either the electronic (eNOI) or paper version of the NOI that the Department prepared. Both versions of the NOI are located on the Department's website (http://www.dec.ny.gov/ ). The paper version of the NOI shall be signed in accordance with Part VII.H. of this permit and submitted to the following address:

   **NOTICE OF INTENT**
   **NYS DEC, Bureau of Water Permits**
   **625 Broadway, 4th Floor**
   **Albany, New York 12233-3505**

2. Beginning December 21, 2020 and in accordance with EPA's 2015 NPDES Electronic Reporting Rule (40 CFR Part 127), the *owner or operator* must submit the NOI electronically using the *Department's* online NOI.

3. The *owner or operator* shall have the SWPPP preparer sign the "SWPPP Preparer Certification" statement on the NOI prior to submitting the form to the Department.

4. As of the date the NOI is submitted to the Department, the *owner or operator* shall make the NOI and SWPPP available for review and copying in accordance with the requirements in Part VII.F. of this permit.

## C. Permit Authorization

1. An *owner or operator* shall not *commence construction activity* until their authorization to *discharge* under this permit goes into effect.

2. Authorization to *discharge* under this permit will be effective when the *owner or operator* has satisfied all of the following criteria:

   a. project review pursuant to the State Environmental Quality Review Act ("SEQRA") have been satisfied, when SEQRA is applicable. See the Department's website (http://www.dec.ny.gov/) for more information,

   b. where required, all necessary Department permits subject to the *Uniform Procedures Act ("UPA")* (see 6 NYCRR Part 621), or the equivalent from another New York State agency, have been obtained, unless otherwise notified by the Department pursuant to 6 NYCRR 621.3(a)(4). *Owners or operators* of *construction activities* that are required to obtain *UPA* permits

must submit a preliminary SWPPP to the appropriate DEC Permit Administrator at the Regional Office listed in Appendix F at the time all other necessary *UPA* permit applications are submitted. The preliminary SWPPP must include sufficient information to demonstrate that the *construction activity* qualifies for authorization under this permit,

c. the final SWPPP has been prepared, and

d. a complete NOI has been submitted to the Department in accordance with the requirements of this permit.

3. An *owner or operator* that has satisfied the requirements of Part II.C.2 above will be authorized to *discharge* stormwater from their *construction activity* in accordance with the following schedule:

   a. For *construction activities* that are <u>not</u> subject to the requirements of a *regulated, traditional land use control MS4*:

      (i) Five (5) business days from the date the Department receives a complete electronic version of the NOI (eNOI) for *construction activities* with a SWPPP that has been prepared in conformance with the design criteria in the technical standard referenced in Part III.B.1 and the *performance criteria* in the technical standard referenced in Parts III.B., 2 or 3, for *construction activities* that require post-construction stormwater management practices pursuant to Part III.C.; or

      (ii) Sixty (60) business days from the date the Department receives a complete NOI (electronic or paper version) for *construction activities* with a SWPPP that has <u>not</u> been prepared in conformance with the design criteria in technical standard referenced in Part III.B.1. or, for *construction activities* that require post-construction stormwater management practices pursuant to Part III.C., the *performance criteria* in the technical standard referenced in Parts III.B., 2 or 3, or;

      (iii) Ten (10) business days from the date the Department receives a complete paper version of the NOI for *construction activities* with a SWPPP that has been prepared in conformance with the design criteria in the technical standard referenced in Part III.B.1 and the *performance criteria* in the technical standard referenced in Parts III.B., 2 or 3, for *construction activities* that require post-construction stormwater management practices pursuant to Part III.C.

b. For *construction activities* that are subject to the requirements of a *regulated, traditional land use control MS4*:

(i) Five (5) business days from the date the Department receives both a complete electronic version of the NOI (eNOI) and signed "*MS4* SWPPP Acceptance" form, or

(ii) Ten (10) business days from the date the Department receives both a complete paper version of the NOI and signed "MS4 SWPPP Acceptance" form.

4. Coverage under this permit authorizes stormwater *discharges* from only those areas of disturbance that are identified in the NOI. If an *owner or operator* wishes to have stormwater *discharges* from future or additional areas of disturbance authorized, they must submit a new NOI that addresses that phase of the development, unless otherwise notified by the Department. The *owner or operator* shall not *commence construction activity* on the future or additional areas until their authorization to *discharge* under this permit goes into effect in accordance with Part II.C. of this permit.

## D. General Requirements For Owners or Operators With Permit Coverage

1. The *owner or operator* shall ensure that the provisions of the SWPPP are implemented from the *commencement of construction activity* until all areas of disturbance have achieved *final stabilization* and the Notice of Termination ("NOT") has been submitted to the Department in accordance with Part V. of this permit. This includes any changes made to the SWPPP pursuant to Part III.A.4. of this permit.

2. The *owner or operator* shall maintain a copy of the General Permit (GP-0-20-001), NOI, *NOI Acknowledgment Letter*, SWPPP, MS4 SWPPP Acceptance form, inspection reports, responsible contractor's or subcontractor's certification statement (see Part III.A.6.), and all documentation necessary to demonstrate eligibility with this permit at the *construction site* until all disturbed areas have achieved *final stabilization* and the NOT has been submitted to the Department. The documents must be maintained in a secure location, such as a job trailer, on-site construction office, or mailbox with lock. The secure location must be accessible during normal business hours to an individual performing a compliance inspection.

*3.* The *owner or operator* of a *construction activity* shall not disturb greater than five (5) acres of soil at any one time without prior written authorization from the Department or, in areas under the jurisdiction of a *regulated, traditional land*

*use control MS4,* the *regulated, traditional land use control MS4* (provided the *regulated, traditional land use control MS4* is not the *owner or operator* of the *construction activity*). At a minimum, the *owner or operator* must comply with the following requirements in order to be authorized to disturb greater than five (5) acres of soil at any one time:

a. The *owner or operator* shall have a *qualified inspector* conduct **at least** two (2) site inspections in accordance with Part IV.C. of this permit every seven (7) calendar days, for as long as greater than five (5) acres of soil remain disturbed. The two (2) inspections shall be separated by a minimum of two (2) full calendar days.

b. In areas where soil disturbance activity has temporarily or permanently ceased, the application of soil stabilization measures must be initiated by the end of the next business day and completed within seven (7) days from the date the current soil disturbance activity ceased. The soil stabilization measures selected shall be in conformance with the technical standard, New York State Standards and Specifications for Erosion and Sediment Control, dated November 2016.

c. The *owner or operator* shall prepare a phasing plan that defines maximum disturbed area per phase and shows required cuts and fills.

d. The *owner or operator* shall install any additional site-specific practices needed to protect water quality.

e. The *owner or operator* shall include the requirements above in their SWPPP.

4. In accordance with statute, regulations, and the terms and conditions of this permit, the Department may suspend or revoke an *owner's or operator's* coverage under this permit at any time if the Department determines that the SWPPP does not meet the permit requirements or consistent with Part VII.K..

5. Upon a finding of significant non-compliance with the practices described in the SWPPP or violation of this permit, the Department may order an immediate stop to all activity at the site until the non-compliance is remedied. The stop work order shall be in writing, describe the non-compliance in detail, and be sent to the *owner or operator*.

6. For *construction activities* that are subject to the requirements of a *regulated, traditional land use control MS4*, the *owner or operator* shall notify the

*regulated, traditional land use control MS4* in writing of any planned amendments or modifications to the post-construction stormwater management practice component of the SWPPP required by Part III.A. 4. and 5. of this permit. Unless otherwise notified by the *regulated, traditional land use control MS4*, the *owner or operator* shall have the SWPPP amendments or modifications reviewed and accepted by the *regulated, traditional land use control MS4* prior to commencing construction of the post-construction stormwater management practice.

## E. Permit Coverage for Discharges Authorized Under GP-0-15-002

1. Upon renewal of SPDES General Permit for Stormwater Discharges from *Construction Activity* (Permit No. GP-0-15-002), an *owner or operator* of *a construction activity* with coverage under GP-0-15-002, as of the effective date of GP- 0-20-001, shall be authorized to *discharge* in accordance with GP- 0-20-001, unless otherwise notified by the Department.

   An *owner or operator* may continue to implement the technical/design components of the post-construction stormwater management controls provided that such design was done in conformance with the technical standards in place at the time of initial project authorization. However, they must comply with the other, non-design provisions of GP-0-20-001.

## F. Change of Owner or Operator

1. When property ownership changes or when there is a change in operational control over the construction plans and specifications, the original *owner or operator* must notify the new *owner or operator*, in writing, of the requirement to obtain permit coverage by submitting a NOI with the Department. For *construction activities* subject to the requirements of a *regulated, traditional land use control MS4,* the original *owner or operator* must also notify the MS4, in writing, of the change in ownership at least 30 calendar days prior to the change in ownership.

2. Once the new *owner or operator* obtains permit coverage, the original *owner or operator* shall then submit a completed NOT with the name and permit identification number of the new *owner or operator* to the Department at the address in Part II.B.1. of this permit. If the original *owner or operator* maintains ownership of a portion of the *construction activity* and will disturb soil, they must maintain their coverage under the permit.

*3.* Permit coverage for the new *owner or operator* will be effective as of the date the Department receives a complete NOI, provided the original *owner or*

*operator* was not subject to a sixty (60) business day authorization period that has not expired as of the date the Department receives the NOI from the new *owner or operator*.

## Part III. STORMWATER POLLUTION PREVENTION PLAN (SWPPP)

### A. General SWPPP Requirements

1. A SWPPP shall be prepared and implemented by the *owner or operator* of each *construction activity* covered by this permit. The SWPPP must document the selection, design, installation, implementation and maintenance of the control measures and practices that will be used to meet the effluent limitations in Part I.B. of this permit and where applicable, the post-construction stormwater management practice requirements in Part I.C. of this permit. The SWPPP shall be prepared prior to the submittal of the NOI. The NOI shall be submitted to the Department prior to the *commencement of construction activity*. A copy of the completed, final NOI shall be included in the SWPPP.

2. The SWPPP shall describe the erosion and sediment control practices and where required, post-construction stormwater management practices that will be used and/or constructed to reduce the *pollutants* in stormwater *discharges* and to assure compliance with the terms and conditions of this permit. In addition, the SWPPP shall identify potential sources of pollution which may reasonably be expected to affect the quality of stormwater *discharges*.

3. All SWPPPs that require the post-construction stormwater management practice component shall be prepared by a *qualified professional* that is knowledgeable in the principles and practices of stormwater management and treatment.

4. The *owner or operator* must keep the SWPPP current so that it at all times accurately documents the erosion and sediment controls practices that are being used or will be used during construction, and all post-construction stormwater management practices that will be constructed on the site. At a minimum, the *owner or operator* shall amend the SWPPP, including construction drawings:

    a. whenever the current provisions prove to be ineffective in minimizing *pollutants* in stormwater *discharges* from the site;

b. whenever there is a change in design, construction, or operation at the *construction site* that has or could have an effect on the *discharge* of *pollutants*;

c. to address issues or deficiencies identified during an inspection by the *qualified inspector,* the Department or other regulatory authority; and

d. to document the final construction conditions.

5. The Department may notify the *owner or operator* at any time that the SWPPP does not meet one or more of the minimum requirements of this permit. The notification shall be in writing and identify the provisions of the SWPPP that require modification. Within fourteen (14) calendar days of such notification, or as otherwise indicated by the Department, the *owner or operator* shall make the required changes to the SWPPP and submit written notification to the Department that the changes have been made. If the *owner or operator* does not respond to the Department's comments in the specified time frame, the Department may suspend the *owner's or operator's* coverage under this permit or require the *owner or operator* to obtain coverage under an individual SPDES permit in accordance with Part II.D.4. of this permit.

6. Prior to the *commencement of construction activity*, the *owner or operator* must identify the contractor(s) and subcontractor(s) that will be responsible for installing, constructing, repairing, replacing, inspecting and maintaining the erosion and sediment control practices included in the SWPPP; and the contractor(s) and subcontractor(s) that will be responsible for constructing the post-construction stormwater management practices included in the SWPPP. The *owner or operator* shall have each of the contractors and subcontractors identify at least one person from their company that will be responsible for implementation of the SWPPP. This person shall be known as the *trained contractor.* The *owner or operator* shall ensure that at least one *trained contractor* is on site on a daily basis when soil disturbance activities are being performed.

   The *owner or operator* shall have each of the contractors and subcontractors identified above sign a copy of the following certification statement below before they commence any *construction activity*:

   "I hereby certify under penalty of law that I understand and agree to comply with the terms and conditions of the SWPPP and agree to implement any corrective actions identified by the *qualified inspector* during a site inspection. I also understand that the *owner or operator* must comply with

the terms and conditions of the most current version of the New York State Pollutant Discharge Elimination System ("SPDES") general permit for stormwater *discharge*s from *construction activities* and that it is unlawful for any person to cause or contribute to a violation of *water quality standards*. Furthermore, I am aware that there are significant penalties for submitting false information, that I do not believe to be true, including the possibility of fine and imprisonment for knowing violations"

In addition to providing the certification statement above, the certification page must also identify the specific elements of the SWPPP that each contractor and subcontractor will be responsible for and include the name and title of the person providing the signature; the name and title of the *trained contractor* responsible for SWPPP implementation; the name, address and telephone number of the contracting firm; the address (or other identifying description) of the site; and the date the certification statement is signed. The *owner or operator* shall attach the certification statement(s) to the copy of the SWPPP that is maintained at the *construction site*. If new or additional contractors are hired to implement measures identified in the SWPPP after construction has commenced, they must also sign the certification statement and provide the information listed above.

7. For projects where the Department requests a copy of the SWPPP or inspection reports, the *owner or operator* shall submit the documents in both electronic (PDF only) and paper format within five (5) business days, unless otherwise notified by the Department.

## B. Required SWPPP Contents

1. Erosion and sediment control component - All SWPPPs prepared pursuant to this permit shall include erosion and sediment control practices designed in conformance with the technical standard, New York State Standards and Specifications for Erosion and Sediment Control, dated November 2016. Where erosion and sediment control practices are not designed in conformance with the design criteria included in the technical standard, the *owner or operator* must demonstrate *equivalence* to the technical standard. At a minimum, the erosion and sediment control component of the SWPPP shall include the following:

    a. Background information about the scope of the project, including the location, type and size of project

b. A site map/construction drawing(s) for the project, including a general location map. At a minimum, the site map shall show the total site area; all improvements; areas of disturbance; areas that will not be disturbed; existing vegetation; on-site and adjacent off-site surface water(s); floodplain/floodway boundaries; wetlands and drainage patterns that could be affected by the *construction activity*; existing and final contours ; locations of different soil types with boundaries; material, waste, borrow or equipment storage areas located on adjacent properties; and location(s) of the stormwater *discharge*(s);

c. A description of the soil(s) present at the site, including an identification of the Hydrologic Soil Group (HSG);

d. A construction phasing plan and sequence of operations describing the intended order of *construction activities*, including clearing and grubbing, excavation and grading, utility and infrastructure installation and any other activity at the site that results in soil disturbance;

e. A description of the minimum erosion and sediment control practices to be installed or implemented for each *construction activity* that will result in soil disturbance. Include a schedule that identifies the timing of initial placement or implementation of each erosion and sediment control practice and the minimum time frames that each practice should remain in place or be implemented;

f. A temporary and permanent soil stabilization plan that meets the requirements of this general permit and the technical standard, New York State Standards and Specifications for Erosion and Sediment Control, dated November 2016, for each stage of the project, including initial land clearing and grubbing to project completion and achievement of *final stabilization*;

g. A site map/construction drawing(s) showing the specific location(s), size(s), and length(s) of each erosion and sediment control practice;

h. The dimensions, material specifications, installation details, and operation and maintenance requirements for all erosion and sediment control practices. Include the location and sizing of any temporary sediment basins and structural practices that will be used to divert flows from exposed soils;

i. A maintenance inspection schedule for the contractor(s) identified in Part III.A.6. of this permit, to ensure continuous and effective operation of the erosion and sediment control practices. The maintenance inspection

schedule shall be in accordance with the requirements in the technical standard, New York State Standards and Specifications for Erosion and Sediment Control, dated November 2016;

j. A description of the pollution prevention measures that will be used to control litter, construction chemicals and construction debris from becoming a *pollutant* source in the stormwater *discharges*;

k. A description and location of any stormwater *discharges* associated with industrial activity other than construction at the site, including, but not limited to, stormwater *discharges* from asphalt plants and concrete plants located on the *construction site*; and

l. Identification of any elements of the design that are not in conformance with the design criteria in the technical standard, New York State Standards and Specifications for Erosion and Sediment Control, dated November 2016. Include the reason for the deviation or alternative design and provide information which demonstrates that the deviation or alternative design is *equivalent* to the technical standard.

2. Post-construction stormwater management practice component – The *owner or operator* of any construction project identified in Table 2 of Appendix B as needing post-construction stormwater management practices shall prepare a SWPPP that includes practices designed in conformance with the applicable *sizing criteria* in Part I.C.2.a., c. or d. of this permit and the *performance criteria* in the technical standard, New York State Stormwater Management Design Manual dated January 2015

   Where post-construction stormwater management practices are not designed in conformance with the *performance criteria* in the technical standard, the *owner or operator* must include in the SWPPP the reason(s) for the deviation or alternative design and provide information which demonstrates that the deviation or alternative design is *equivalent* to the technical standard.

   The post-construction stormwater management practice component of the SWPPP shall include the following:

   a. Identification of all post-construction stormwater management practices to be constructed as part of the project. Include the dimensions, material specifications and installation details for each post-construction stormwater management practice;

b. A site map/construction drawing(s) showing the specific location and size of each post-construction stormwater management practice;

c. A Stormwater Modeling and Analysis Report that includes:
   (i) Map(s) showing pre-development conditions, including watershed/subcatchments boundaries, flow paths/routing, and design points;

   (ii) Map(s) showing post-development conditions, including watershed/subcatchments boundaries, flow paths/routing, design points and post-construction stormwater management practices;

   (iii) Results of stormwater modeling (i.e. hydrology and hydraulic analysis) for the required storm events. Include supporting calculations (model runs), methodology, and a summary table that compares pre and post-development runoff rates and volumes for the different storm events;

   (iv) Summary table, with supporting calculations, which demonstrates that each post-construction stormwater management practice has been designed in conformance with the *sizing criteria* included in the Design Manual;

   (v) Identification of any *sizing criteria* that is not required based on the requirements included in Part I.C. of this permit; and

   (vi) Identification of any elements of the design that are not in conformance with the *performance criteria* in the Design Manual. Include the reason(s) for the deviation or alternative design and provide information which demonstrates that the deviation or alternative design is *equivalent* to the Design Manual;

d. Soil testing results and locations (test pits, borings);

e. Infiltration test results, when required; and

f. An operations and maintenance plan that includes inspection and maintenance schedules and actions to ensure continuous and effective operation of each post-construction stormwater management practice. The plan shall identify the entity that will be responsible for the long term operation and maintenance of each practice.

3. Enhanced Phosphorus Removal Standards - All construction projects identified in Table 2 of Appendix B that are located in the watersheds identified in Appendix C shall prepare a SWPPP that includes post-construction stormwater management practices designed in conformance with the applicable *sizing criteria* in Part I.C.2. b., c. or d. of this permit and the *performance criteria,* Enhanced Phosphorus Removal Standards included in the Design Manual. At a minimum, the post-construction stormwater management practice component of the SWPPP shall include items 2.a - 2.f. above.

### C. Required SWPPP Components by Project Type

Unless otherwise notified by the Department, *owners or operators* of *construction activities* identified in Table 1 of Appendix B are required to prepare a SWPPP that only includes erosion and sediment control practices designed in conformance with Part III.B.1 of this permit. *Owners or operators* of the *construction activities* identified in Table 2 of Appendix B shall prepare a SWPPP that also includes post-construction stormwater management practices designed in conformance with Part III.B.2 or 3 of this permit.

## Part IV. INSPECTION AND MAINTENANCE REQUIREMENTS

### A. General Construction Site Inspection and Maintenance Requirements

1. The *owner or operator* must ensure that all erosion and sediment control practices (including pollution prevention measures) and all post-construction stormwater management practices identified in the SWPPP are inspected and maintained in accordance with Part IV.B. and C. of this permit.

2. The terms of this permit shall not be construed to prohibit the State of New York from exercising any authority pursuant to the ECL, common law or federal law, or prohibit New York State from taking any measures, whether civil or criminal, to prevent violations of the laws of the State of New York or protect the public health and safety and/or the environment.

### B. Contractor Maintenance Inspection Requirements

1. The *owner or operator* of each *construction activity* identified in Tables 1 and 2 of Appendix B shall have a *trained contractor* inspect the erosion and sediment control practices and pollution prevention measures being implemented within the active work area daily to ensure that they are being maintained in effective operating condition at all times. If deficiencies are identified, the contractor shall

begin implementing corrective actions within one business day and shall complete the corrective actions in a reasonable time frame.

2. For construction sites where soil disturbance activities have been temporarily suspended (e.g. winter shutdown) and *temporary stabilization* measures have been applied to all disturbed areas, the *trained contractor* can stop conducting the maintenance inspections. The *trained contractor* shall begin conducting the maintenance inspections in accordance with Part IV.B.1. of this permit as soon as soil disturbance activities resume.

3. For construction sites where soil disturbance activities have been shut down with partial project completion, the *trained contractor* can stop conducting the maintenance inspections if all areas disturbed as of the project shutdown date have achieved *final stabilization* and all post-construction stormwater management practices required for the completed portion of the project have been constructed in conformance with the SWPPP and are operational.

**C. Qualified Inspector Inspection Requirements**

The *owner or operator* shall have a *qualified inspector* conduct site inspections in conformance with the following requirements:

[Note: The *trained contractor* identified in Part III.A.6. and IV.B. of this permit **cannot** conduct the *qualified inspector* site inspections unless they meet the *qualified inspector* qualifications included in Appendix A. In order to perform these inspections, the *trained contractor* would have to be a:

- licensed Professional Engineer,
- Certified Professional in Erosion and Sediment Control (CPESC),
- New York State Erosion and Sediment Control Certificate Program holder
- Registered Landscape Architect, or
- someone working under the direct supervision of, and at the same company as, the licensed Professional Engineer or Registered Landscape Architect, provided they have received four (4) hours of Department endorsed training in proper erosion and sediment control principles from a Soil and Water Conservation District, or other Department endorsed entity].

1. A *qualified inspector* shall conduct site inspections for all *construction activities* identified in Tables 1 and 2 of Appendix B, with the exception of:

   a. the construction of a single family residential subdivision with 25% or less *impervious cover* at total site build-out that involves a soil disturbance of one (1) or more acres of land but less than five (5) acres and is not located

in one of the watersheds listed in Appendix C and not directly discharging to one of the 303(d) segments listed in Appendix E;

b. the construction of a single family home that involves a soil disturbance of one (1) or more acres of land but less than five (5) acres and is not located in one of the watersheds listed in Appendix C and not directly discharging to one of the 303(d) segments listed in Appendix E;

c. construction on agricultural property that involves a soil disturbance of one (1) or more acres of land but less than five (5) acres; and

d. *construction activities* located in the watersheds identified in Appendix D that involve soil disturbances between five thousand (5,000) square feet and one (1) acre of land.

2. Unless otherwise notified by the Department, the *qualified inspector* shall conduct site inspections in accordance with the following timetable:

a. For construction sites where soil disturbance activities are on-going, the *qualified inspector* shall conduct a site inspection at least once every seven (7) calendar days.

b. For construction sites where soil disturbance activities are on-going and the *owner or operator* has received authorization in accordance with Part II.D.3 to disturb greater than five (5) acres of soil at any one time, the *qualified inspector* shall conduct at least two (2) site inspections every seven (7) calendar days. The two (2) inspections shall be separated by a minimum of two (2) full calendar days.

c. For construction sites where soil disturbance activities have been temporarily suspended (e.g. winter shutdown) and *temporary stabilization* measures have been applied to all disturbed areas, the *qualified inspector* shall conduct a site inspection at least once every thirty (30) calendar days. The *owner or operator* shall notify the DOW Water (SPDES) Program contact at the Regional Office (see contact information in Appendix F) or, in areas under the jurisdiction of a *regulated, traditional land use control MS4,* the *regulated, traditional land use control MS4* (provided the *regulated, traditional land use control MS4* is not the *owner or operator* of the *construction activity*) in writing prior to reducing the frequency of inspections.

d. For construction sites where soil disturbance activities have been shut down with partial project completion, the *qualified inspector* can stop conducting inspections if all areas disturbed as of the project shutdown date have achieved *final stabilization* and all post-construction stormwater management practices required for the completed portion of the project have been constructed in conformance with the SWPPP and are operational. The *owner or operator* shall notify the DOW Water (SPDES) Program contact at the Regional Office (see contact information in Appendix F) or, in areas under the jurisdiction of a *regulated, traditional land use control MS4,* the *regulated, traditional land use control MS4* (provided the *regulated, traditional land use control MS4* is not the *owner or operator* of the *construction activity*) in writing prior to the shutdown. If soil disturbance activities are not resumed within 2 years from the date of shutdown, the *owner or operator* shall have the *qualified inspector* perform a final inspection and certify that all disturbed areas have achieved *final stabilization,* and all temporary, structural erosion and sediment control measures have been removed*;* and that all post-construction stormwater management practices have been constructed in conformance with the SWPPP by signing the "*Final Stabilization*" and "Post-Construction Stormwater Management Practice" certification statements on the NOT. The *owner or operator* shall then submit the completed NOT form to the address in Part II.B.1 of this permit.

e. For construction sites that directly *discharge* to one of the 303(d) segments listed in Appendix E or is located in one of the watersheds listed in Appendix C, the *qualified inspector* shall conduct at least two (2) site inspections every seven (7) calendar days. The two (2) inspections shall be separated by a minimum of two (2) full calendar days.

3. At a minimum, the *qualified inspector* shall inspect all erosion and sediment control practices and pollution prevention measures to ensure integrity and effectiveness, all post-construction stormwater management practices under construction to ensure that they are constructed in conformance with the SWPPP, all areas of disturbance that have not achieved *final stabilization,* all points of *discharge* to natural surface waterbodies located within, or immediately adjacent to, the property boundaries of the *construction site*, and all points of *discharge* from the *construction site*.

4. The *qualified inspector* shall prepare an inspection report subsequent to each and every inspection. At a minimum, the inspection report shall include and/or address the following:

a. Date and time of inspection;

b. Name and title of person(s) performing inspection;

c. A description of the weather and soil conditions (e.g. dry, wet, saturated) at the time of the inspection;

d. A description of the condition of the runoff at all points of *discharge* from the *construction site*. This shall include identification of any *discharges* of sediment from the *construction site*. Include *discharges* from conveyance systems (i.e. pipes, culverts, ditches, etc.) and overland flow;

e. A description of the condition of all natural surface waterbodies located within, or immediately adjacent to, the property boundaries of the *construction site* which receive runoff from disturbed areas. This shall include identification of any *discharges* of sediment to the surface waterbody;

f. Identification of all erosion and sediment control practices and pollution prevention measures that need repair or maintenance;

g. Identification of all erosion and sediment control practices and pollution prevention measures that were not installed properly or are not functioning as designed and need to be reinstalled or replaced;

h. Description and sketch of areas with active soil disturbance activity, areas that have been disturbed but are inactive at the time of the inspection, and areas that have been stabilized (temporary and/or final) since the last inspection;

i. Current phase of construction of all post-construction stormwater management practices and identification of all construction that is not in conformance with the SWPPP and technical standards;

j. Corrective action(s) that must be taken to install, repair, replace or maintain erosion and sediment control practices and pollution prevention measures; and to correct deficiencies identified with the construction of the post-construction stormwater management practice(s);

k. Identification and status of all corrective actions that were required by previous inspection; and

l. Digital photographs, with date stamp, that clearly show the condition of all practices that have been identified as needing corrective actions. The *qualified inspector* shall attach paper color copies of the digital photographs to the inspection report being maintained onsite within seven (7) calendar days of the date of the inspection. The *qualified inspector* shall also take digital photographs, with date stamp, that clearly show the condition of the practice(s) after the corrective action has been completed. The *qualified inspector* shall attach paper color copies of the digital photographs to the inspection report that documents the completion of the corrective action work within seven (7) calendar days of that inspection.

5. Within one business day of the completion of an inspection, the *qualified inspector* shall notify the *owner or operator* and appropriate contractor or subcontractor identified in Part III.A.6. of this permit of any corrective actions that need to be taken. The contractor or subcontractor shall begin implementing the corrective actions within one business day of this notification and shall complete the corrective actions in a reasonable time frame.

6. All inspection reports shall be signed by the *qualified inspector.* Pursuant to Part II.D.2. of this permit, the inspection reports shall be maintained on site with the SWPPP.

## Part V. TERMINATION OF PERMIT COVERAGE

### A. Termination of Permit Coverage

1. An *owner or operator* that is eligible to terminate coverage under this permit must submit a completed NOT form to the address in Part II.B.1 of this permit. The NOT form shall be one which is associated with this permit, signed in accordance with Part VII.H of this permit.

2. An *owner or operator* may terminate coverage when one or more the following conditions have been met:

   a. Total project completion - All *construction activity* identified in the SWPPP has been completed; and all areas of disturbance have achieved *final stabilization*; and all temporary, structural erosion and sediment control measures have been removed; and all post-construction stormwater management practices have been constructed in conformance with the SWPPP and are operational;

b. Planned shutdown with partial project completion - All soil disturbance activities have ceased; and all areas disturbed as of the project shutdown date have achieved *final stabilization*; and all temporary, structural erosion and sediment control measures have been removed; and all post-construction stormwater management practices required for the completed portion of the project have been constructed in conformance with the SWPPP and are operational;

c. A new *owner or operator* has obtained coverage under this permit in accordance with Part II.F. of this permit.

d. The *owner or operator* obtains coverage under an alternative SPDES general permit or an individual SPDES permit.

3. For *construction activities* meeting subdivision 2a. or 2b. of this Part, the *owner or operator* shall have the *qualified inspector* perform a final site inspection prior to submitting the NOT. The *qualified inspector* shall, by signing the "*Final Stabilization*" and "Post-Construction Stormwater Management Practice certification statements on the NOT, certify that all the requirements in Part V.A.2.a. or b. of this permit have been achieved.

4. For *construction activities* that are subject to the requirements of a *regulated, traditional land use control MS4* and meet subdivision 2a. or 2b. of this Part, the *owner or operator* shall have the *regulated, traditional land use control MS4* sign the "MS4 Acceptance" statement on the NOT in accordance with the requirements in Part VII.H. of this permit. The *regulated, traditional land use control MS4* official, by signing this statement, has determined that it is acceptable for the *owner or operator* to submit the NOT in accordance with the requirements of this Part. The *regulated, traditional land use control MS4* can make this determination by performing a final site inspection themselves or by accepting the *qualified inspector*'s final site inspection certification(s) required in Part V.A.3. of this permit.

5. For *construction activities* that require post-construction stormwater management practices and meet subdivision 2a. of this Part, the *owner or operator* must, prior to submitting the NOT, ensure one of the following:

a. the post-construction stormwater management practice(s) and any right-of-way(s) needed to maintain such practice(s) have been deeded to the municipality in which the practice(s) is located,

b. an executed maintenance agreement is in place with the municipality that will maintain the post-construction stormwater management practice(s),

c. for post-construction stormwater management practices that are privately owned, the *owner or operator* has a mechanism in place that requires operation and maintenance of the practice(s) in accordance with the operation and maintenance plan, such as a deed covenant in the *owner or operator's* deed of record,

d. for post-construction stormwater management practices that are owned by a public or private institution (e.g. school, university, hospital), government agency or authority, or public utility; the *owner or operator* has policy and procedures in place that ensures operation and maintenance of the practices in accordance with the operation and maintenance plan.

## Part VI. REPORTING AND RETENTION RECORDS

### A. Record Retention

The *owner or operator* shall retain a copy of the NOI, NOI Acknowledgment Letter, SWPPP, MS4 SWPPP Acceptance form and any inspection reports that were prepared in conjunction with this permit for a period of at least five (5) years from the date that the Department receives a complete NOT submitted in accordance with Part V. of this general permit.

### B. Addresses

With the exception of the NOI, NOT, and MS4 SWPPP Acceptance form (which must be submitted to the address referenced in Part II.B.1 of this permit), all written correspondence requested by the Department, including individual permit applications, shall be sent to the address of the appropriate DOW Water (SPDES) Program contact at the Regional Office listed in Appendix F.

## Part VII. STANDARD PERMIT CONDITIONS

### A. Duty to Comply

The *owner or operator* must comply with all conditions of this permit. All contractors and subcontractors associated with the project must comply with the terms of the SWPPP. Any non-compliance with this permit constitutes a violation of the Clean Water

Act (CWA) and the ECL and is grounds for an enforcement action against the *owner or operator* and/or the contractor/subcontractor; permit revocation, suspension or modification; or denial of a permit renewal application. Upon a finding of significant non-compliance with this permit or the applicable SWPPP, the Department may order an immediate stop to all *construction activity* at the site until the non-compliance is remedied. The stop work order shall be in writing, shall describe the non-compliance in detail, and shall be sent to the *owner or operator*.

If any human remains or archaeological remains are encountered during excavation, the *owner or operator* must immediately cease, or cause to cease, all *construction activity* in the area of the remains and notify the appropriate Regional Water Engineer (RWE). *Construction activity* shall not resume until written permission to do so has been received from the RWE.

**B. Continuation of the Expired General Permit**

This permit expires five (5) years from the effective date. If a new general permit is not issued prior to the expiration of this general permit, an *owner or operator* with coverage under this permit may continue to operate and *discharge* in accordance with the terms and conditions of this general permit, if it is extended pursuant to the State Administrative Procedure Act and 6 NYCRR Part 621, until a new general permit is issued.

**C. Enforcement**

Failure of the *owner or operator,* its contractors, subcontractors, agents and/or assigns to strictly adhere to any of the permit requirements contained herein shall constitute a violation of this permit. There are substantial criminal, civil, and administrative penalties associated with violating the provisions of this permit. Fines of up to $37,500 per day for each violation and imprisonment for up to fifteen (15) years may be assessed depending upon the nature and degree of the offense.

**D. Need to Halt or Reduce Activity Not a Defense**

It shall not be a defense for an *owner or operator* in an enforcement action that it would have been necessary to halt or reduce the *construction activity* in order to maintain compliance with the conditions of this permit.

## E. Duty to Mitigate

The *owner or operator* and its contractors and subcontractors shall take all reasonable steps to *minimize* or prevent any *discharge* in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.

## F. Duty to Provide Information

The *owner or operator* shall furnish to the Department, within a reasonable specified time period of a written request, all documentation necessary to demonstrate eligibility and any information to determine compliance with this permit or to determine whether cause exists for modifying or revoking this permit, or suspending or denying coverage under this permit, in accordance with the terms and conditions of this permit. The NOI, SWPPP and inspection reports required by this permit are public documents that the *owner or operator* must make available for review and copying by any person within five (5) business days of the *owner or operator* receiving a written request by any such person to review these documents. Copying of documents will be done at the requester's expense.

## G. Other Information

When the *owner or operator* becomes aware that they failed to submit any relevant facts, or submitted incorrect information in the NOI or in any of the documents required by this permit , or have made substantive revisions to the SWPPP (e.g. the scope of the project changes significantly, the type of post-construction stormwater management practice(s) changes, there is a reduction in the sizing of the post-construction stormwater management practice, or there is an increase in the disturbance area or *impervious area*), which were not reflected in the original NOI submitted to the Department, they shall promptly submit such facts or information to the Department using the contact information in Part II.A. of this permit. Failure of the *owner or operator* to correct or supplement any relevant facts within five (5) business days of becoming aware of the deficiency shall constitute a violation of this permit.

## H. Signatory Requirements

1. All NOIs and NOTs shall be signed as follows:

    a. For a corporation these forms shall be signed by a responsible corporate officer. For the purpose of this section, a responsible corporate officer means:

(i) a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation; or

(ii) the manager of one or more manufacturing, production or operating facilities, provided the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures;

b. For a partnership or sole proprietorship these forms shall be signed by a general partner or the proprietor, respectively; or

c. For a municipality, State, Federal, or other public agency these forms shall be signed by either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a Federal agency includes:

(i) the chief executive officer of the agency, or

(ii) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., Regional Administrators of EPA).

2. The SWPPP and other information requested by the Department shall be signed by a person described in Part VII.H.1. of this permit or by a duly authorized representative of that person. A person is a duly authorized representative only if:

a. The authorization is made in writing by a person described in Part VII.H.1. of this permit;

b. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity, such as the position of plant manager, operator of a well or a well field,

superintendent, position of *equivalent* responsibility, or an individual or position having overall responsibility for environmental matters for the company. (A duly authorized representative may thus be either a named individual or any individual occupying a named position) and,

c. The written authorization shall include the name, title and signature of the authorized representative and be attached to the SWPPP.

3. All inspection reports shall be signed by the *qualified inspector* that performs the inspection.

4. The MS4 SWPPP Acceptance form shall be signed by the principal executive officer or ranking elected official from the *regulated, traditional land use control MS4,* or by a duly authorized representative of that person.

   It shall constitute a permit violation if an incorrect and/or improper signatory authorizes any required forms, SWPPP and/or inspection reports.

## I. Property Rights

The issuance of this permit does not convey any property rights of any sort, nor any exclusive privileges, nor does it authorize any injury to private property nor any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations. *Owners or operators* must obtain any applicable conveyances, easements, licenses and/or access to real property prior to *commencing construction activity*.

## J. Severability

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit shall not be affected thereby.

## K. Requirement to Obtain Coverage Under an Alternative Permit

1. The Department may require any owner or operator authorized by this permit to apply for and/or obtain either an individual SPDES permit or another SPDES general permit. When the Department requires any discharger authorized by a general permit to apply for an individual SPDES permit, it shall notify the discharger in writing that a permit application is required. This notice shall

include a brief statement of the reasons for this decision, an application form, a statement setting a time frame for the owner or operator to file the application for an individual SPDES permit, and a deadline, not sooner than 180 days from owner or operator receipt of the notification letter, whereby the authorization to discharge under this general permit shall be terminated. Applications must be submitted to the appropriate Permit Administrator at the Regional Office. The Department may grant additional time upon demonstration, to the satisfaction of the Department, that additional time to apply for an alternative authorization is necessary or where the Department has not provided a permit determination in accordance with Part 621 of this Title.

2. When an individual SPDES permit is issued to a discharger authorized to *discharge* under a general SPDES permit for the same *discharge*(s), the general permit authorization for outfalls authorized under the individual SPDES permit is automatically terminated on the effective date of the individual permit unless termination is earlier in accordance with 6 NYCRR Part 750.

## L. Proper Operation and Maintenance

The *owner or operator* shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the *owner or operator* to achieve compliance with the conditions of this permit and with the requirements of the SWPPP.

## M. Inspection and Entry

The *owner or operator* shall allow an authorized representative of the Department, EPA, applicable county health department, or, in the case of a *construction site* which *discharges* through an *MS4*, an authorized representative of the *MS4* receiving the discharge, upon the presentation of credentials and other documents as may be required by law, to:

1. Enter upon the owner’s or operator's premises where a regulated facility or activity is located or conducted or where records must be kept under the conditions of this permit;

2. Have access to and copy at reasonable times, any records that must be kept under the conditions of this permit; and

3. Inspect at reasonable times any facilities or equipment (including monitoring and control equipment), practices or operations regulated or required by this permit.

4. Sample or monitor at reasonable times, for purposes of assuring permit compliance or as otherwise authorized by the Act or ECL, any substances or parameters at any location.

## N. Permit Actions

This permit may, at any time, be modified, suspended, revoked, or renewed by the Department in accordance with 6 NYCRR Part 621. The filing of a request by the *owner or operator* for a permit modification, revocation and reissuance, termination, a notification of planned changes or anticipated noncompliance does not limit, diminish and/or stay compliance with any terms of this permit.

## O. Definitions

Definitions of key terms are included in Appendix A of this permit.

## P. Re-Opener Clause

1. If there is evidence indicating potential or realized impacts on water quality due to any stormwater discharge associated with construction activity covered by this permit, the owner or operator of such discharge may be required to obtain an individual permit or alternative general permit in accordance with Part VII.K. of this permit or the permit may be modified to include different limitations and/or requirements.

2. Any Department initiated permit modification, suspension or revocation will be conducted in accordance with 6 NYCRR Part 621, 6 NYCRR 750-1.18, and 6 NYCRR 750-1.20.

## Q. Penalties for Falsification of Forms and Reports

In accordance with 6NYCRR Part 750-2.4 and 750-2.5, any person who knowingly makes any false material statement, representation, or certification in any application, record, report or other document filed or required to be maintained under this permit, including reports of compliance or noncompliance shall, upon conviction, be punished in accordance with ECL §71-1933 and or Articles 175 and 210 of the New York State Penal Law.

## R. Other Permits

Nothing in this permit relieves the *owner or operator* from a requirement to obtain any other permits required by law.

## APPENDIX A – Acronyms and Definitions

### Acronyms

APO – Agency Preservation Officer
BMP – Best Management Practice
CPESC – Certified Professional in Erosion and Sediment Control
Cpv – Channel Protection Volume
CWA – Clean Water Act (or the Federal Water Pollution Control Act, 33 U.S.C. §1251 et seq)
DOW – Division of Water
EAF – Environmental Assessment Form
ECL - Environmental Conservation Law
EPA – U. S. Environmental Protection Agency
HSG – Hydrologic Soil Group
MS4 – Municipal Separate Storm Sewer System
NOI – Notice of Intent
NOT – Notice of Termination
NPDES – National Pollutant Discharge Elimination System
OPRHP – Office of Parks, Recreation and Historic Places
Qf – Extreme Flood
Qp – Overbank Flood
RRv – Runoff Reduction Volume
RWE – Regional Water Engineer
SEQR – State Environmental Quality Review
SEQRA - State Environmental Quality Review Act
SHPA – State Historic Preservation Act
SPDES – State Pollutant Discharge Elimination System
SWPPP – Stormwater Pollution Prevention Plan
TMDL – Total Maximum Daily Load
UPA – Uniform Procedures Act
USDA – United States Department of Agriculture
WQv – Water Quality Volume

**Definitions**

All definitions in this section are solely for the purposes of this permit.

**Agricultural Building –** a structure designed and constructed to house farm implements, hay, grain, poultry, livestock or other horticultural products; excluding any structure designed, constructed or used, in whole or in part, for human habitation, as a place of employment where agricultural products are processed, treated or packaged, or as a place used by the public.

**Agricultural Property** –means the land for construction of a barn, *agricultural building*, silo, stockyard, pen or other structural practices identified in Table II in the "Agricultural Management Practices Catalog for Nonpoint Source Pollution in New York State" prepared by the Department in cooperation with agencies of New York Nonpoint Source Coordinating Committee (dated June 2007).

**Alter Hydrology from Pre to Post-Development Conditions -** means the post-development peak flow rate(s) has increased by more than 5% of the pre-developed condition for the design storm of interest (e.g. 10 yr and 100 yr).

**Combined Sewer -** means a sewer that is designed to collect and convey both "sewage" and "stormwater".

**Commence (Commencement of) Construction Activities -** means the initial disturbance of soils associated with clearing, grading or excavation activities; or other construction related activities that disturb or expose soils such as demolition, stockpiling of fill material, and the initial installation of erosion and sediment control practices required in the SWPPP. See definition for "*Construction Activity(ies)*" also.

**Construction Activity(ies) -** means any clearing, grading, excavation, filling, demolition or stockpiling activities that result in soil disturbance. Clearing activities can include, but are not limited to, logging equipment operation, the cutting and skidding of trees, stump removal and/or brush root removal. Construction activity does not include routine maintenance that is performed to maintain the original line and grade, hydraulic capacity, or original purpose of a facility.

**Construction Site** – means the land area where *construction activity(ies)* will occur. See definition for "*Commence (Commencement of) Construction Activities"* and "*Larger Common Plan of Development or Sale" also.*

**Dewatering** – means the act of draining rainwater and/or groundwater from building foundations, vaults or excavations/trenches.

**Direct Discharge (to a specific surface waterbody) -** means that runoff flows from a *construction site* by overland flow and the first point of discharge is the specific surface waterbody, or runoff flows from a *construction site* to a separate storm sewer system

and the first point of discharge from the separate storm sewer system is the specific surface waterbody.

**Discharge(s)** - means any addition of any pollutant to waters of the State through an outlet or *point source*.

**Embankment** –means an earthen or rock slope that supports a road/highway.

**Endangered or Threatened Species** – see 6 NYCRR Part 182 of the Department's rules and regulations for definition of terms and requirements.

**Environmental Conservation Law (ECL)** - means chapter 43-B of the Consolidated Laws of the State of New York, entitled the Environmental Conservation Law.

**Equivalent (Equivalence)** – means that the practice or measure meets all the performance, longevity, maintenance, and safety objectives of the technical standard and will provide an equal or greater degree of water quality protection.

**Final Stabilization -** means that all soil disturbance activities have ceased and a uniform, perennial vegetative cover with a density of eighty (80) percent over the entire pervious surface has been established; or other equivalent stabilization measures, such as permanent landscape mulches, rock rip-rap or washed/crushed stone have been applied on all disturbed areas that are not covered by permanent structures, concrete or pavement.

**General SPDES permit** - means a SPDES permit issued pursuant to 6 NYCRR Part 750-1.21 and Section 70-0117 of the ECL authorizing a category of discharges.

**Groundwater(s)** - means waters in the saturated zone. The saturated zone is a subsurface zone in which all the interstices are filled with water under pressure greater than that of the atmosphere. Although the zone may contain gas-filled interstices or interstices filled with fluids other than water, it is still considered saturated.

**Historic Property** – means any building, structure, site, object or district that is listed on the State or National Registers of Historic Places or is determined to be eligible for listing on the State or National Registers of Historic Places.

**Impervious Area (Cover) -** means all impermeable surfaces that cannot effectively infiltrate rainfall. This includes paved, concrete and gravel surfaces (i.e. parking lots, driveways, roads, runways and sidewalks); building rooftops and miscellaneous impermeable structures such as patios, pools, and sheds.

**Infeasible** – means not technologically possible, or not economically practicable and achievable in light of best industry practices.

**Larger Common Plan of Development or Sale -** means a contiguous area where multiple separate and distinct *construction activities* are occurring, or will occur, under one plan. The term “plan” in “larger common plan of development or sale” is broadly defined as any announcement or piece of documentation (including a sign, public notice or hearing, marketing plan, advertisement, drawing, permit application, State Environmental Quality Review Act (SEQRA) environmental assessment form or other documents, zoning request, computer design, etc.) or physical demarcation (including boundary signs, lot stakes, surveyor markings, etc.) indicating that *construction activities* may occur on a specific plot.

For discrete construction projects that are located within a larger common plan of development or sale that are at least 1/4 mile apart, each project can be treated as a separate plan of development or sale provided any interconnecting road, pipeline or utility project that is part of the same “common plan” is not concurrently being disturbed.

**Minimize** – means reduce and/or eliminate to the extent achievable using control measures (including best management practices) that are technologically available and economically practicable and achievable in light of best industry practices.

**Municipal Separate Storm Sewer (MS4)** - a conveyance or system of conveyances (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, man-made channels, or storm drains):

(i) Owned or operated by a State, city, town, borough, county, parish, district, association, or other public body (created by or pursuant to State law) having jurisdiction over disposal of sewage, industrial wastes, stormwater, or other wastes, including special districts under State law such as a sewer district, flood control district or drainage district, or similar entity, or an Indian tribe or an authorized Indian tribal organization, or a designated and approved management agency under section 208 of the CWA that discharges to surface waters of the State*;*
(ii) Designed or used for collecting or conveying stormwater;
(iii) Which is not a *combined sewer*; and
(iv) Which is not part of a Publicly Owned Treatment Works (POTW) as defined at 40 CFR 122.2.

**National Pollutant Discharge Elimination System (NPDES)** - means the national system for the issuance of wastewater and stormwater permits under the Federal Water Pollution Control Act (Clean Water Act).

**Natural Buffer** –means an undisturbed area with natural cover running along a surface water (e.g. wetland, stream, river, lake, etc.).

**New Development** – means any land disturbance that does not meet the definition of Redevelopment Activity included in this appendix.

**New York State Erosion and Sediment Control Certificate Program** – a certificate program that establishes and maintains a process to identify and recognize individuals who are capable of developing, designing, inspecting and maintaining erosion and sediment control plans on projects that disturb soils in New York State. The certificate program is administered by the New York State Conservation District Employees Association.

**NOI Acknowledgment Letter** - means the letter that the Department sends to an owner or operator to acknowledge the Department's receipt and acceptance of a complete Notice of Intent. This letter documents the owner's or operator's authorization to discharge in accordance with the general permit for stormwater discharges from *construction activity*.

**Nonpoint Source** - means any source of water pollution or pollutants which is not a discrete conveyance or *point source* permitted pursuant to Title 7 or 8 of Article 17 of the Environmental Conservation Law (see ECL Section 17-1403).

**Overbank** –means flow events that exceed the capacity of the stream channel and spill out into the adjacent floodplain.

**Owner or Operator** - means the person, persons or legal entity which owns or leases the property on which the *construction activity* is occurring; an entity that has operational control over the construction plans and specifications, including the ability to make modifications to the plans and specifications; and/or an entity that has day-to-day operational control of those activities at a project that are necessary to ensure compliance with the permit conditions.

**Performance Criteria** – means the design criteria listed under the "Required Elements" sections in Chapters 5, 6 and 10 of the technical standard, New York State Stormwater Management Design Manual, dated January 2015. It does not include the Sizing Criteria (i.e. WQv, RRv, Cpv, Qp and Qf ) in Part I.C.2. of the permit.

**Point Source** - means any discernible, confined and discrete conveyance, including but not limited to any pipe, ditch, channel, tunnel, conduit, well, discrete fissure, container, rolling stock, concentrated animal feeding operation, vessel or other floating craft, or landfill leachate collection system from which *pollutants* are or may be discharged.

**Pollutant** - means dredged spoil, filter backwash, solid waste, incinerator residue, sewage, garbage, sewage sludge, munitions, chemical wastes, biological materials, radioactive materials, heat, wrecked or discarded equipment, rock, sand and industrial, municipal, agricultural waste and ballast discharged into water; which may cause or might reasonably be expected to cause pollution of the waters of the state in contravention of the standards or guidance values adopted as provided in 6 NYCRR Parts 700 et seq .

**Qualified Inspector** - means a person that is knowledgeable in the principles and practices of erosion and sediment control, such as a licensed Professional Engineer, Certified Professional in Erosion and Sediment Control (CPESC), Registered Landscape Architect, New York State Erosion and Sediment Control Certificate Program holder or other Department endorsed individual(s).

It can also mean someone working under the direct supervision of, and at the same company as, the licensed Professional Engineer or Registered Landscape Architect, provided that person has training in the principles and practices of erosion and sediment control. Training in the principles and practices of erosion and sediment control means that the individual working under the direct supervision of the licensed Professional Engineer or Registered Landscape Architect has received four (4) hours of Department endorsed training in proper erosion and sediment control principles from a Soil and Water Conservation District, or other Department endorsed entity. After receiving the initial training, the individual working under the direct supervision of the licensed Professional Engineer or Registered Landscape Architect shall receive four (4) hours of training every three (3) years.

It can also mean a person that meets the *Qualified Professional* qualifications in addition to the *Qualified Inspector* qualifications.

Note: Inspections of any post-construction stormwater management practices that include structural components, such as a dam for an impoundment, shall be performed by a licensed Professional Engineer.

**Qualified Professional -** means a person that is knowledgeable in the principles and practices of stormwater management and treatment, such as a licensed Professional Engineer, Registered Landscape Architect or other Department endorsed individual(s). Individuals preparing SWPPPs that require the post-construction stormwater management practice component must have an understanding of the principles of hydrology, water quality management practice design, water quantity control design, and, in many cases, the principles of hydraulics. All components of the SWPPP that involve the practice of engineering, as defined by the NYS Education Law (see Article 145), shall be prepared by, or under the direct supervision of, a professional engineer licensed to practice in the State of New York.

**Redevelopment Activity(ies)** – means the disturbance and reconstruction of existing impervious area, including impervious areas that were removed from a project site within five (5) years of preliminary project plan submission to the local government (i.e. site plan, subdivision, etc.).

**Regulated, Traditional Land Use Control MS4 -** means a city, town or village with land use control authority that is authorized to discharge under New York State DEC's

SPDES General Permit For Stormwater Discharges from Municipal Separate Stormwater Sewer Systems (MS4s) or the City of New York's Individual SPDES Permit for their Municipal Separate Storm Sewer Systems (NY-0287890).

**Routine Maintenance Activity -** means *construction activity* that is performed to maintain the original line and grade, hydraulic capacity, or original purpose of a facility, including, but not limited to:

- Re-grading of gravel roads or parking lots,
- Cleaning and shaping of existing roadside ditches and culverts that maintains the approximate original line and grade, and hydraulic capacity of the ditch,
- Cleaning and shaping of existing roadside ditches that does not maintain the approximate original grade, hydraulic capacity and purpose of the ditch if the changes to the line and grade, hydraulic capacity or purpose of the ditch are installed to improve water quality and quantity controls (e.g. installing grass lined ditch),
- Placement of aggregate shoulder backing that stabilizes the transition between the road shoulder and the ditch or *embankment*,
- Full depth milling and filling of existing asphalt pavements, replacement of concrete pavement slabs, and similar work that does not expose soil or disturb the bottom six (6) inches of subbase material,
- Long-term use of equipment storage areas at or near highway maintenance facilities,
- Removal of sediment from the edge of the highway to restore a previously existing sheet-flow drainage connection from the highway surface to the highway ditch or *embankment*,
- Existing use of Canal Corp owned upland disposal sites for the canal, and
- Replacement of curbs, gutters, sidewalks and guide rail posts.

**Site limitations –** means site conditions that prevent the use of an infiltration technique and or infiltration of the total WQv. Typical site limitations include: seasonal high groundwater, shallow depth to bedrock, and soils with an infiltration rate less than 0.5 inches/hour. The existence of site limitations shall be confirmed and documented using actual field testing (i.e. test pits, soil borings, and infiltration test) or using information from the most current United States Department of Agriculture (USDA) Soil Survey for the County where the project is located.

**Sizing Criteria** – means the criteria included in Part I.C.2 of the permit that are used to size post-construction stormwater management control practices. The criteria include; Water Quality Volume (WQv), Runoff Reduction Volume (RRv), Channel Protection Volume (Cpv), *Overbank* Flood (Qp), and Extreme Flood (Qf).

**State Pollutant Discharge Elimination System (SPDES)** - means the system established pursuant to Article 17 of the ECL and 6 NYCRR Part 750 for issuance of permits authorizing discharges to the waters of the state.

**Steep Slope** – means land area designated on the current United States Department of Agriculture ("USDA") Soil Survey as Soil Slope Phase "D", (provided the map unit name is inclusive of slopes greater than 25%) , or Soil Slope Phase E or F, (regardless of the map unit name), or a combination of the three designations.

**Streambank** – as used in this permit, means the terrain alongside the bed of a creek or stream. The bank consists of the sides of the channel, between which the flow is confined.

**Stormwater Pollution Prevention Plan (SWPPP)** – means a project specific report, including construction drawings, that among other things: describes the construction activity(ies), identifies the potential sources of pollution at the *construction site*; describes and shows the stormwater controls that will be used to control the pollutants (i.e. erosion and sediment controls; for many projects, includes post-construction stormwater management controls); and identifies procedures the *owner or operator* will implement to comply with the terms and conditions of the permit. See Part III of the permit for a complete description of the information that must be included in the SWPPP.

**Surface Waters of the State** - shall be construed to include lakes, bays, sounds, ponds, impounding reservoirs, springs, rivers, streams, creeks, estuaries, marshes, inlets, canals, the Atlantic ocean within the territorial seas of the state of New York and all other bodies of surface water, natural or artificial, inland or coastal, fresh or salt, public or private (except those private waters that do not combine or effect a junction with natural surface waters), which are wholly or partially within or bordering the state or within its jurisdiction. Waters of the state are further defined in 6 NYCRR Parts 800 to 941.

**Temporarily Ceased** – means that an existing disturbed area will not be disturbed again within 14 calendar days of the previous soil disturbance.

**Temporary Stabilization** - means that exposed soil has been covered with material(s) as set forth in the technical standard, New York Standards and Specifications for Erosion and Sediment Control, to prevent the exposed soil from eroding. The materials can include, but are not limited to, mulch, seed and mulch, and erosion control mats (e.g. jute twisted yarn, excelsior wood fiber mats).

**Total Maximum Daily Loads** (TMDLs) - A TMDL is the sum of the allowable loads of a single pollutant from all contributing point and *nonpoint source*s. It is a calculation of the maximum amount of a pollutant that a waterbody can receive on a daily basis and still meet *water quality standards*, and an allocation of that amount to the pollutant's sources. A TMDL stipulates wasteload allocations (WLAs) for *point source* discharges, load allocations (LAs) for *nonpoint source*s, and a margin of safety (MOS).

**Trained Contractor -** means an employee from the contracting (construction) company, identified in Part III.A.6., that has received four (4) hours of Department endorsed

training in proper erosion and sediment control principles from a Soil and Water Conservation District, or other Department endorsed entity. After receiving the initial training, the *trained contractor* shall receive four (4) hours of training every three (3) years.

It can also mean an employee from the contracting (construction) company, identified in Part III.A.6., that meets the *qualified inspector* qualifications (e.g. licensed Professional Engineer, Certified Professional in Erosion and Sediment Control (CPESC), Registered Landscape Architect, New York State Erosion and Sediment Control Certificate Program holder, or someone working under the direct supervision of, and at the same company as, the licensed Professional Engineer or Registered Landscape Architect, provided they have received four (4) hours of Department endorsed training in proper erosion and sediment control principles from a Soil and Water Conservation District, or other Department endorsed entity).

The *trained contractor* is responsible for the day to day implementation of the SWPPP.

**Uniform Procedures Act (UPA) Permit** - means a permit required under 6 NYCRR Part 621 of the Environmental Conservation Law (ECL), Article 70.

**Water Quality Standard** - means such measures of purity or quality for any waters in relation to their reasonable and necessary use as promulgated in 6 NYCRR Part 700 et seq.

## APPENDIX B – Required SWPPP Components by Project Type

### Table 1
### Construction Activities that Require the Preparation of a SWPPP That Only Includes Erosion and Sediment Controls

**The following construction activities that involve soil disturbances of one (1) or more acres of land, but less than five (5) acres:**

- Single family home not located in one of the watersheds listed in Appendix C or not *directly discharging* to one of the 303(d) segments listed in Appendix E
- Single family residential subdivisions with 25% or less impervious cover at total site build-out and not located in one of the watersheds listed in Appendix C and not directly discharging to one of the 303(d) segments listed in Appendix E
- Construction of a barn or other *agricultural building*, silo, stock yard or pen.

**The following construction activities that involve soil disturbances between five thousand (5000) square feet and one (1) acre of land:**

All construction activities located in the watersheds identified in Appendix D that involve soil disturbances between five thousand (5,000) square feet and one (1) acre of land.

**The following construction activities that involve soil disturbances of one (1) or more acres of land:**

- Installation of underground, linear utilities; such as gas lines, fiber-optic cable, cable TV, electric, telephone, sewer mains, and water mains
- Environmental enhancement projects, such as wetland mitigation projects, stormwater retrofits and stream restoration projects
- Pond construction
- Linear bike paths running through areas with vegetative cover, including bike paths surfaced with an impervious cover
- Cross-country ski trails and walking/hiking trails
- Sidewalk, bike path or walking path projects, surfaced with an impervious cover, that are not part of residential, commercial or institutional development;
- Sidewalk, bike path or walking path projects, surfaced with an impervious cover, that include incidental shoulder or curb work along an existing highway to support construction of the sidewalk, bike path or walking path.
- Slope stabilization projects
- Slope flattening that changes the grade of the site, but does not significantly change the runoff characteristics

## Table 1 (Continued) CONSTRUCTION ACTIVITIES THAT REQUIRE THE PREPARATION OF A SWPPP THAT ONLY INCLUDES EROSION AND SEDIMENT CONTROLS

**The following construction activities that involve soil disturbances of one (1) or more acres of land:**

- Spoil areas that will be covered with vegetation
- Vegetated open space projects (i.e. recreational parks, lawns, meadows, fields, downhill ski trails) excluding projects that *alter hydrology from pre to post development* conditions,
- Athletic fields (natural grass) that do not include the construction or reconstruction of *impervious area* and do not *alter hydrology from pre to post development* conditions
- Demolition project where vegetation will be established, and no redevelopment is planned
- Overhead electric transmission line project that does not include the construction of permanent access roads or parking areas surfaced with *impervious cover*
- Structural practices as identified in Table II in the "Agricultural Management Practices Catalog for Nonpoint Source Pollution in New York State", excluding projects that involve soil disturbances of greater than five acres and construction activities that include the construction or reconstruction of impervious area
- Temporary access roads, median crossovers, detour roads, lanes, or other temporary impervious areas that will be restored to pre-construction conditions once the construction activity is complete

## Table 2

### CONSTRUCTION ACTIVITIES THAT REQUIRE THE PREPARATION OF A SWPPP THAT INCLUDES POST-CONSTRUCTION STORMWATER MANAGEMENT PRACTICES

**The following construction activities that involve soil disturbances of one (1) or more acres of land:**

- Single family home located in one of the watersheds listed in Appendix C or *directly discharging* to one of the 303(d) segments listed in Appendix E
- Single family home that disturbs five (5) or more acres of land
- Single family residential subdivisions located in one of the watersheds listed in Appendix C or *directly discharging* to one of the 303(d) segments listed in Appendix E
- Single family residential subdivisions that involve soil disturbances of between one (1) and five (5) acres of land with greater than 25% impervious cover at total site build-out
- Single family residential subdivisions that involve soil disturbances of five (5) or more acres of land, and single family residential subdivisions that involve soil disturbances of less than five (5) acres that are part of a larger common plan of development or sale that will ultimately disturb five or more acres of land
- Multi-family residential developments; includes duplexes, townhomes, condominiums, senior housing complexes, apartment complexes, and mobile home parks
- Airports
- Amusement parks
- Breweries, cideries, and wineries, including establishments constructed on agricultural land
- Campgrounds
- Cemeteries that include the construction or reconstruction of impervious area (>5% of disturbed area) or *alter the hydrology from pre to post development* conditions
- Commercial developments
- Churches and other places of worship
- Construction of a barn or other *agricultural building* (e.g. silo) and structural practices as identified in Table II in the "Agricultural Management Practices Catalog for Nonpoint Source Pollution in New York State" that include the construction or reconstruction of *impervious area*, excluding projects that involve soil disturbances of less than five acres.
- Golf courses
- Institutional development; includes hospitals, prisons, schools and colleges
- Industrial facilities; includes industrial parks
- Landfills
- Municipal facilities; includes highway garages, transfer stations, office buildings, POTW's, water treatment plants, and water storage tanks
- Office complexes
- Playgrounds that include the construction or reconstruction of impervious area
- Sports complexes
- Racetracks; includes racetracks with earthen (dirt) surface
- Road construction or reconstruction, including roads constructed as part of the construction activities listed in Table 1

## Table 2 (Continued)

### CONSTRUCTION ACTIVITIES THAT REQUIRE THE PREPARATION OF A SWPPP THAT INCLUDES POST-CONSTRUCTION STORMWATER MANAGEMENT PRACTICES

**The following construction activities that involve soil disturbances of one (1) or more acres of land:**

- Parking lot construction or reconstruction, including parking lots constructed as part of the construction activities listed in Table 1
- Athletic fields (natural grass) that include the construction or reconstruction of impervious area (>5% of disturbed area) or *alter the hydrology from pre to post development* conditions
- Athletic fields with artificial turf
- Permanent access roads, parking areas, substations, compressor stations and well drilling pads, surfaced with *impervious cover,* and constructed as part of an over-head electric transmission line project, wind-power project, cell tower project, oil or gas well drilling project, sewer or water main project or other linear utility project
- Sidewalk, bike path or walking path projects, surfaced with an impervious cover, that are part of a residential, commercial or institutional development
- Sidewalk, bike path or walking path projects, surfaced with an impervious cover, that are part of a highway construction or reconstruction project
- All other construction activities that include the construction or reconstruction of *impervious area* or *alter the hydrology from pre to post development* conditions, and are not listed in Table 1

## APPENDIX C – Watersheds Requiring Enhanced Phosphorus Removal

**Watersheds where *owners or operators* of construction activities identified in Table 2 of Appendix B must prepare a SWPPP that includes post-construction stormwater management practices designed in conformance with the Enhanced Phosphorus Removal Standards included in the technical standard, New York State Stormwater Management Design Manual ("Design Manual").**

- Entire New York City Watershed located east of the Hudson River - Figure 1
- Onondaga Lake Watershed - Figure 2
- Greenwood Lake Watershed -Figure 3
- Oscawana Lake Watershed – Figure 4
- Kinderhook Lake Watershed – Figure 5

**Figure 1 - New York City Watershed East of the Hudson**

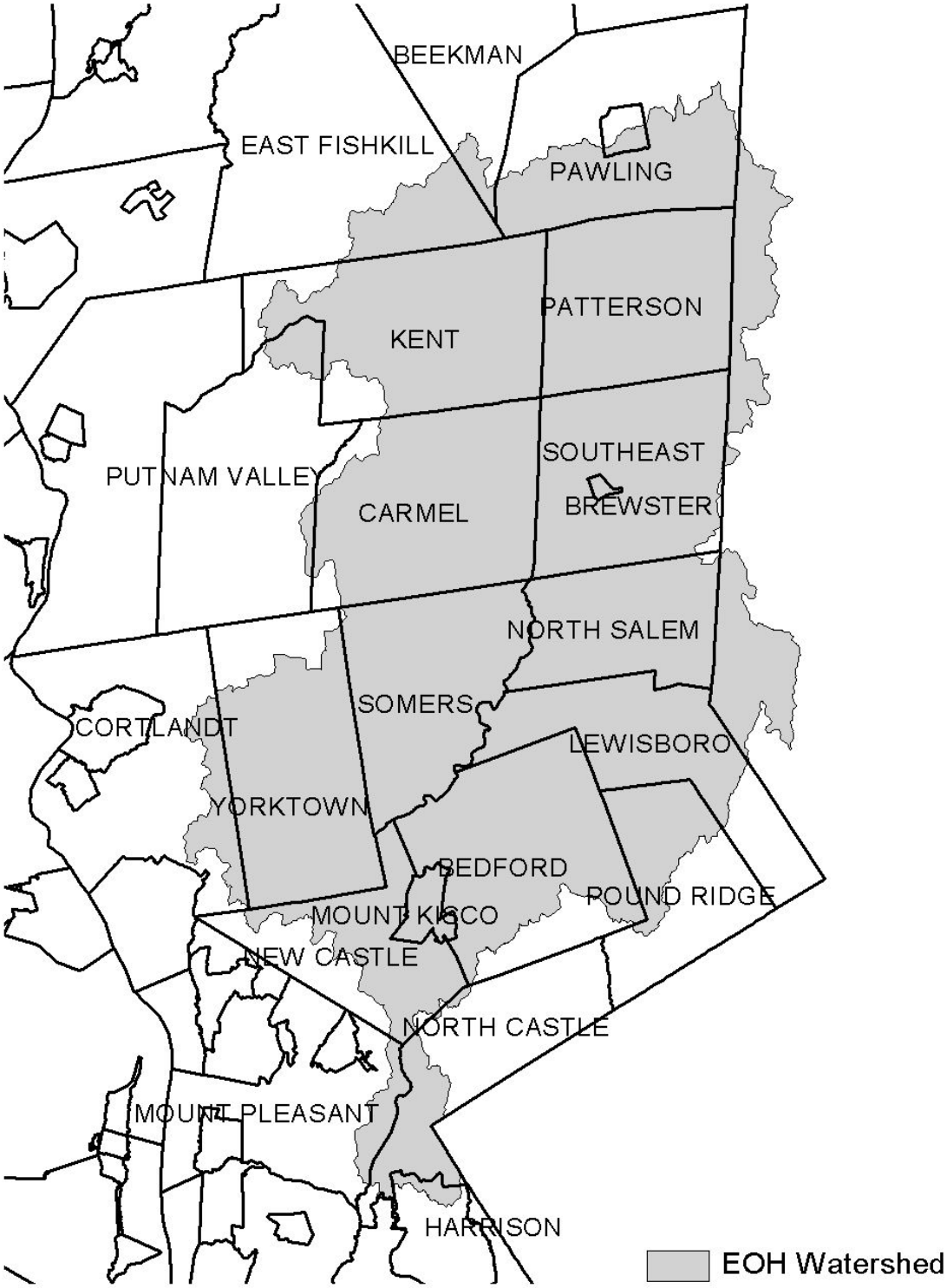


**Figure 2 - Onondaga Lake Watershed**



**Figure 3 - Greenwood Lake Watershed**

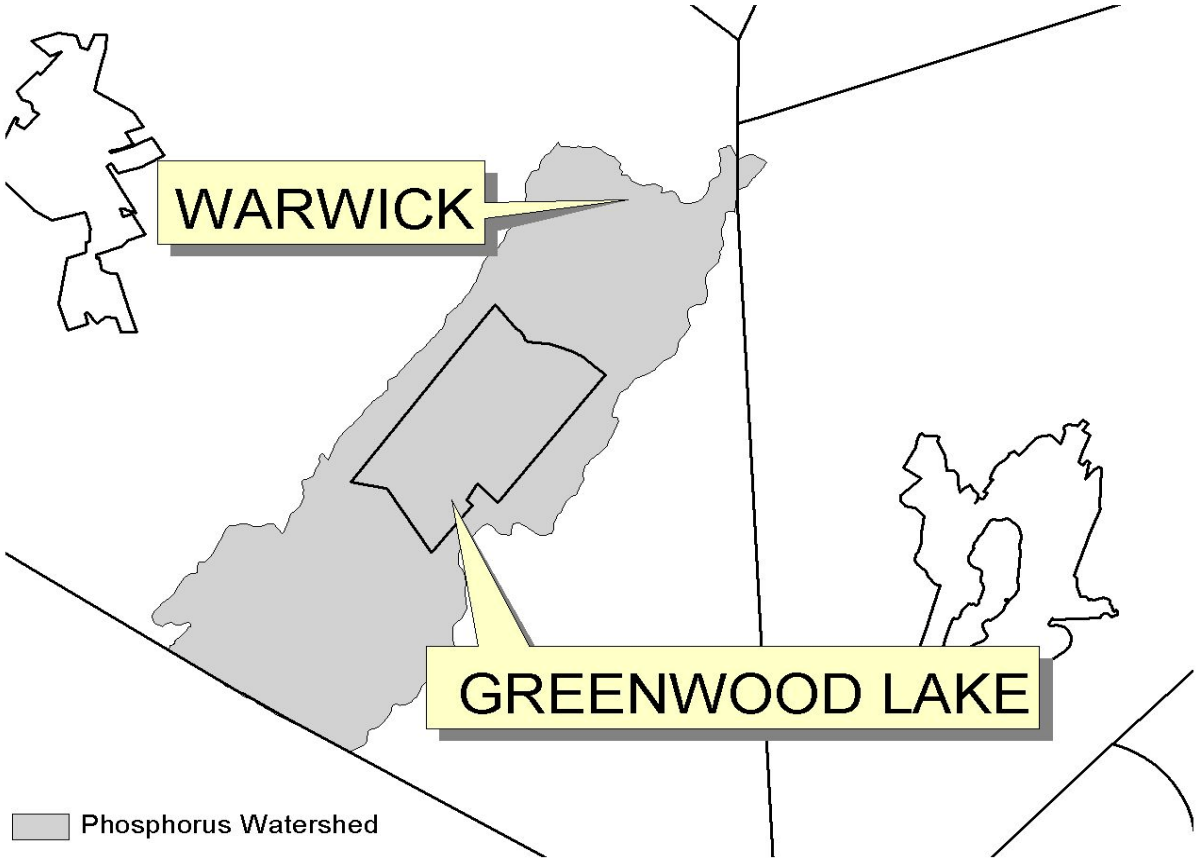
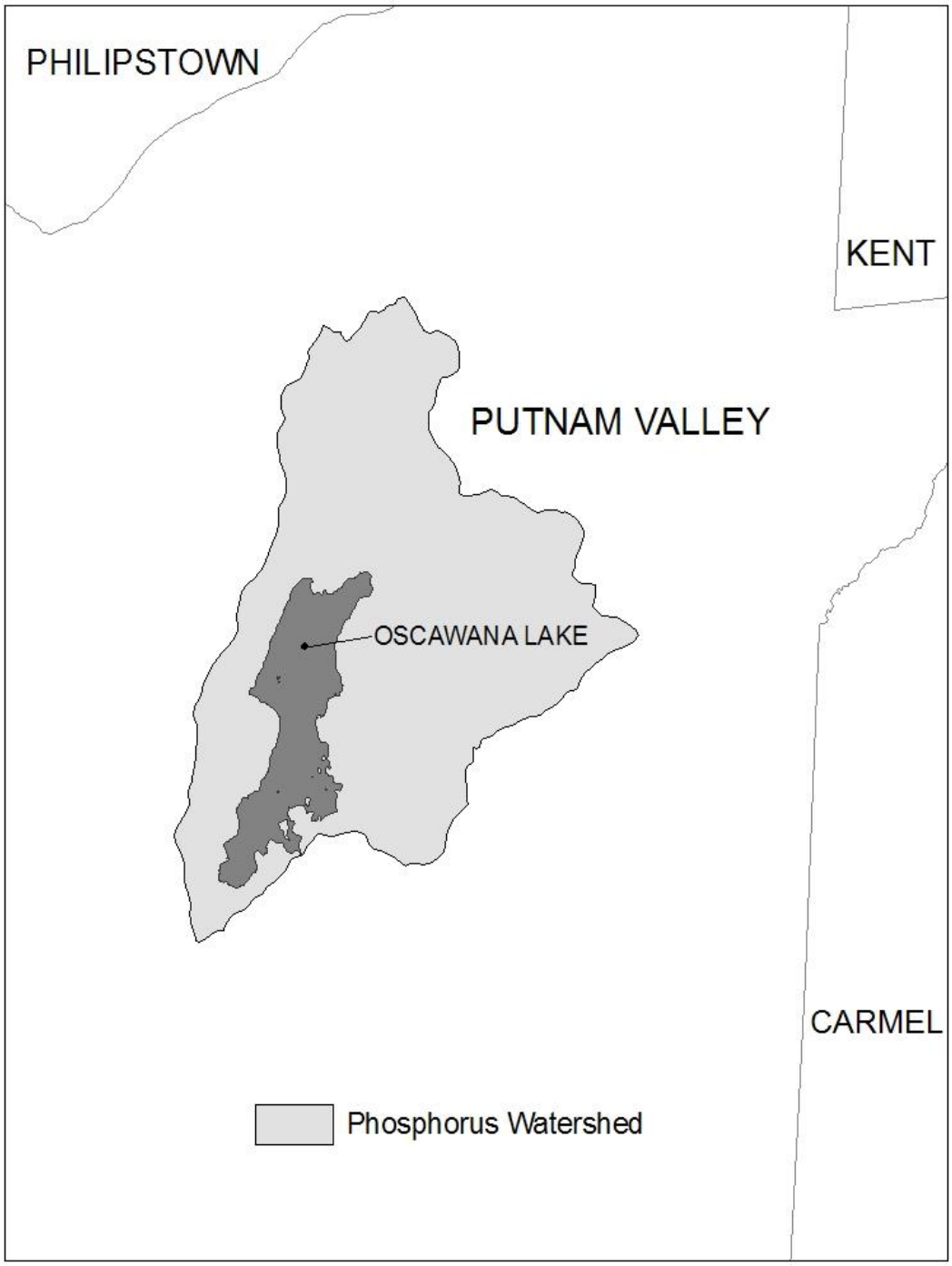
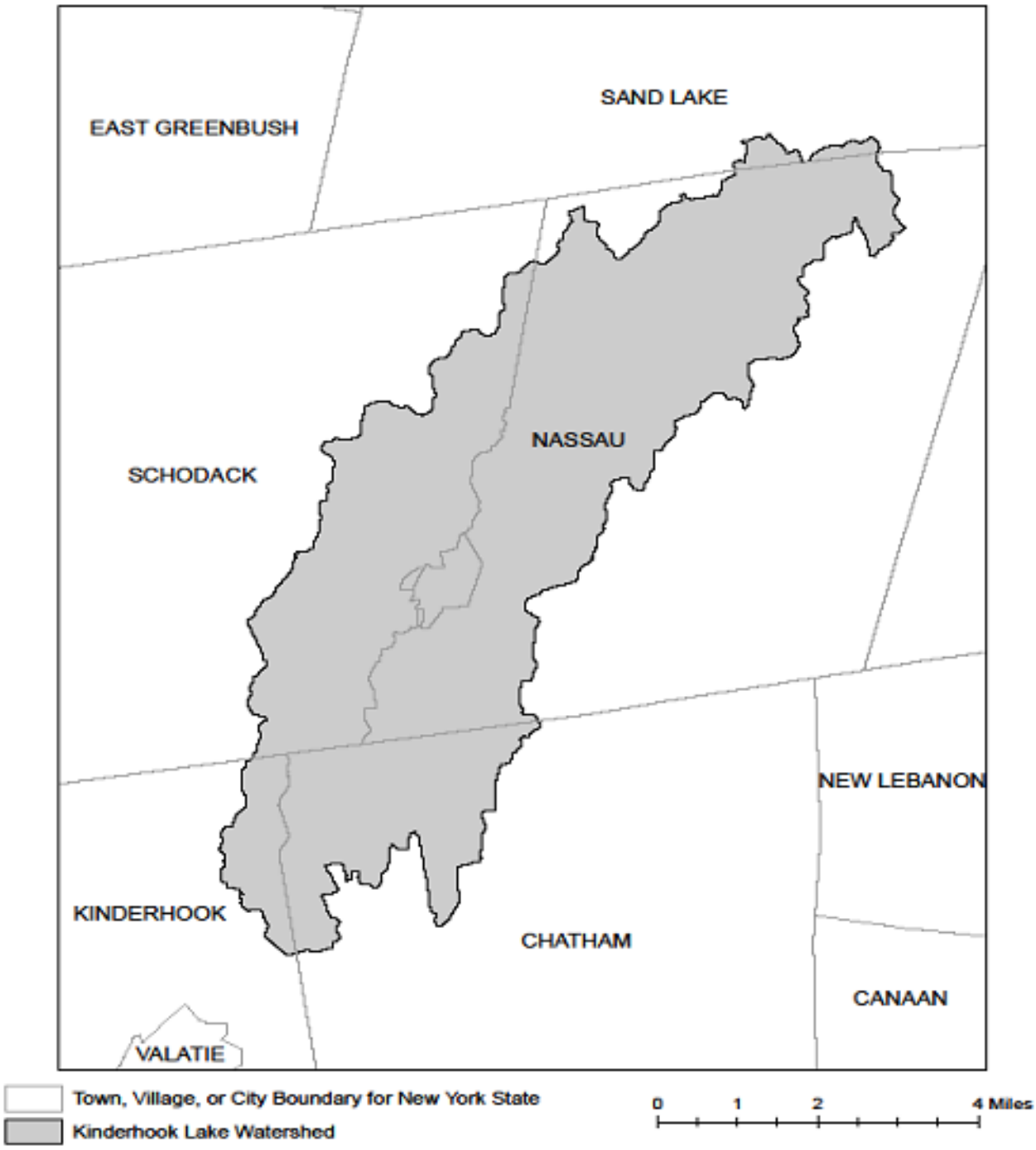


**Figure 4 - Oscawana Lake Watershed**



## Figure 5 - Kinderhook Lake Watershed



## APPENDIX D – Watersheds with Lower Disturbance Threshold

**Watersheds where *owners or operators* of construction activities that involve soil disturbances between five thousand (5000) square feet and one (1) acre of land must obtain coverage under this permit.**

| |
|---|
| Entire New York City Watershed that is located east of the Hudson River **-** See Figure 1 in Appendix C |

## APPENDIX E – 303(d) Segments Impaired by Construction Related Pollutant(s)

List of 303(d) segments impaired by pollutants related to *construction activity* (e.g. silt, sediment or nutrients). The list was developed using "The Final New York State 2016 Section 303(d) List of Impaired Waters Requiring a TMDL/Other Strategy" dated November 2016. *Owners or operators* of single family home and single family residential subdivisions with 25% or less total impervious cover at total site build-out that involve soil disturbances of one or more acres of land, but less than 5 acres, and *directly discharge* to one of the listed segments below shall prepare a SWPPP that includes post-construction stormwater management practices designed in conformance with the New York State Stormwater Management Design Manual ("Design Manual"), dated January 2015.

| COUNTY | WATERBODY | POLLUTANT |
|---|---|---|
| Albany | Ann Lee (Shakers) Pond, Stump Pond | Nutrients |
| Albany | Basic Creek Reservoir | Nutrients |
| Allegany | Amity Lake, Saunders Pond | Nutrients |
| Bronx | Long Island Sound, Bronx | Nutrients |
| Bronx | Van Cortlandt Lake | Nutrients |
| Broome | Fly Pond, Deer Lake, Sky Lake | Nutrients |
| Broome | Minor Tribs to Lower Susquehanna (north) | Nutrients |
| Broome | Whitney Point Lake/Reservoir | Nutrients |
| Cattaraugus | Allegheny River/Reservoir | Nutrients |
| Cattaraugus | Beaver (Alma) Lake | Nutrients |
| Cattaraugus | Case Lake | Nutrients |
| Cattaraugus | Linlyco/Club Pond | Nutrients |
| Cayuga | Duck Lake | Nutrients |
| Cayuga | Little Sodus Bay | Nutrients |
| Chautauqua | Bear Lake | Nutrients |
| Chautauqua | Chadakoin River and tribs | Nutrients |
| Chautauqua | Chautauqua Lake, North | Nutrients |
| Chautauqua | Chautauqua Lake, South | Nutrients |
| Chautauqua | Findley Lake | Nutrients |
| Chautauqua | Hulburt/Clymer Pond | Nutrients |
| Clinton | Great Chazy River, Lower, Main Stem | Silt/Sediment |
| Clinton | Lake Champlain, Main Lake, Middle | Nutrients |
| Clinton | Lake Champlain, Main Lake, North | Nutrients |
| Columbia | Kinderhook Lake | Nutrients |
| Columbia | Robinson Pond | Nutrients |
| Cortland | Dean Pond | Nutrients |

## 303(d) Segments Impaired by Construction Related Pollutant(s)

| | | |
|---|---|---|
| Dutchess | Fall Kill and tribs | Nutrients |
| Dutchess | Hillside Lake | Nutrients |
| Dutchess | Wappingers Lake | Nutrients |
| Dutchess | Wappingers Lake | Silt/Sediment |
| Erie | Beeman Creek and tribs | Nutrients |
| Erie | Ellicott Creek, Lower, and tribs | Silt/Sediment |
| Erie | Ellicott Creek, Lower, and tribs | Nutrients |
| Erie | Green Lake | Nutrients |
| Erie | Little Sister Creek, Lower, and tribs | Nutrients |
| Erie | Murder Creek, Lower, and tribs | Nutrients |
| Erie | Rush Creek and tribs | Nutrients |
| Erie | Scajaquada Creek, Lower, and tribs | Nutrients |
| Erie | Scajaquada Creek, Middle, and tribs | Nutrients |
| Erie | Scajaquada Creek, Upper, and tribs | Nutrients |
| Erie | South Branch Smoke Cr, Lower, and tribs | Silt/Sediment |
| Erie | South Branch Smoke Cr, Lower, and tribs | Nutrients |
| Essex | Lake Champlain, Main Lake, South | Nutrients |
| Essex | Lake Champlain, South Lake | Nutrients |
| Essex | Willsboro Bay | Nutrients |
| Genesee | Bigelow Creek and tribs | Nutrients |
| Genesee | Black Creek, Middle, and minor tribs | Nutrients |
| Genesee | Black Creek, Upper, and minor tribs | Nutrients |
| Genesee | Bowen Brook and tribs | Nutrients |
| Genesee | LeRoy Reservoir | Nutrients |
| Genesee | Oak Orchard Cr, Upper, and tribs | Nutrients |
| Genesee | Tonawanda Creek, Middle, Main Stem | Nutrients |
| Greene | Schoharie Reservoir | Silt/Sediment |
| Greene | Sleepy Hollow Lake | Silt/Sediment |
| Herkimer | Steele Creek tribs | Silt/Sediment |
| Herkimer | Steele Creek tribs | Nutrients |
| Jefferson | Moon Lake | Nutrients |
| Kings | Hendrix Creek | Nutrients |
| Kings | Prospect Park Lake | Nutrients |
| Lewis | Mill Creek/South Branch, and tribs | Nutrients |
| Livingston | Christie Creek and tribs | Nutrients |
| Livingston | Conesus Lake | Nutrients |
| Livingston | Mill Creek and minor tribs | Silt/Sediment |
| Monroe | Black Creek, Lower, and minor tribs | Nutrients |
| Monroe | Buck Pond | Nutrients |
| Monroe | Cranberry Pond | Nutrients |

## 303(d) Segments Impaired by Construction Related Pollutant(s)

| | | |
|---|---|---|
| Monroe | Lake Ontario Shoreline, Western | Nutrients |
| Monroe | Long Pond | Nutrients |
| Monroe | Mill Creek and tribs | Nutrients |
| Monroe | Mill Creek/Blue Pond Outlet and tribs | Nutrients |
| Monroe | Minor Tribs to Irondequoit Bay | Nutrients |
| Monroe | Rochester Embayment - East | Nutrients |
| Monroe | Rochester Embayment - West | Nutrients |
| Monroe | Shipbuilders Creek and tribs | Nutrients |
| Monroe | Thomas Creek/White Brook and tribs | Nutrients |
| Nassau | Beaver Lake | Nutrients |
| Nassau | Camaans Pond | Nutrients |
| Nassau | East Meadow Brook, Upper, and tribs | Silt/Sediment |
| Nassau | East Rockaway Channel | Nutrients |
| Nassau | Grant Park Pond | Nutrients |
| Nassau | Hempstead Bay | Nutrients |
| Nassau | Hempstead Lake | Nutrients |
| Nassau | Hewlett Bay | Nutrients |
| Nassau | Hog Island Channel | Nutrients |
| Nassau | Long Island Sound, Nassau County Waters | Nutrients |
| Nassau | Massapequa Creek and tribs | Nutrients |
| Nassau | Milburn/Parsonage Creeks, Upp, and tribs | Nutrients |
| Nassau | Reynolds Channel, west | Nutrients |
| Nassau | Tidal Tribs to Hempstead Bay | Nutrients |
| Nassau | Tribs (fresh) to East Bay | Nutrients |
| Nassau | Tribs (fresh) to East Bay | Silt/Sediment |
| Nassau | Tribs to Smith/Halls Ponds | Nutrients |
| Nassau | Woodmere Channel | Nutrients |
| New York | Harlem Meer | Nutrients |
| New York | The Lake in Central Park | Nutrients |
| Niagara | Bergholtz Creek and tribs | Nutrients |
| Niagara | Hyde Park Lake | Nutrients |
| Niagara | Lake Ontario Shoreline, Western | Nutrients |
| Niagara | Lake Ontario Shoreline, Western | Nutrients |
| Oneida | Ballou, Nail Creeks and tribs | Nutrients |
| Onondaga | Harbor Brook, Lower, and tribs | Nutrients |
| Onondaga | Ley Creek and tribs | Nutrients |
| Onondaga | Minor Tribs to Onondaga Lake | Nutrients |
| Onondaga | Ninemile Creek, Lower, and tribs | Nutrients |
| Onondaga | Onondaga Creek, Lower, and tribs | Nutrients |
| Onondaga | Onondaga Creek, Middle, and tribs | Nutrients |

## 303(d) Segments Impaired by Construction Related Pollutant(s)

| | | |
|---|---|---|
| Onondaga | Onondaga Lake, northern end | Nutrients |
| Onondaga | Onondaga Lake, southern end | Nutrients |
| Ontario | Great Brook and minor tribs | Silt/Sediment |
| Ontario | Great Brook and minor tribs | Nutrients |
| Ontario | Hemlock Lake Outlet and minor tribs | Nutrients |
| Ontario | Honeoye Lake | Nutrients |
| Orange | Greenwood Lake | Nutrients |
| Orange | Monhagen Brook and tribs | Nutrients |
| Orange | Orange Lake | Nutrients |
| Orleans | Lake Ontario Shoreline, Western | Nutrients |
| Orleans | Lake Ontario Shoreline, Western | Nutrients |
| Oswego | Lake Neatahwanta | Nutrients |
| Oswego | Pleasant Lake | Nutrients |
| Putnam | Bog Brook Reservoir | Nutrients |
| Putnam | Boyd Corners Reservoir | Nutrients |
| Putnam | Croton Falls Reservoir | Nutrients |
| Putnam | Diverting Reservoir | Nutrients |
| Putnam | East Branch Reservoir | Nutrients |
| Putnam | Lake Carmel | Nutrients |
| Putnam | Middle Branch Reservoir | Nutrients |
| Putnam | Oscawana Lake | Nutrients |
| Putnam | Palmer Lake | Nutrients |
| Putnam | West Branch Reservoir | Nutrients |
| Queens | Bergen Basin | Nutrients |
| Queens | Flushing Creek/Bay | Nutrients |
| Queens | Jamaica Bay, Eastern, and tribs (Queens) | Nutrients |
| Queens | Kissena Lake | Nutrients |
| Queens | Meadow Lake | Nutrients |
| Queens | Willow Lake | Nutrients |
| Rensselaer | Nassau Lake | Nutrients |
| Rensselaer | Snyders Lake | Nutrients |
| Richmond | Grasmere Lake/Bradys Pond | Nutrients |
| Rockland | Congers Lake, Swartout Lake | Nutrients |
| Rockland | Rockland Lake | Nutrients |
| Saratoga | Ballston Lake | Nutrients |
| Saratoga | Dwaas Kill and tribs | Silt/Sediment |
| Saratoga | Dwaas Kill and tribs | Nutrients |
| Saratoga | Lake Lonely | Nutrients |
| Saratoga | Round Lake | Nutrients |
| Saratoga | Tribs to Lake Lonely | Nutrients |

## 303(d) Segments Impaired by Construction Related Pollutant(s)

| | | |
|---|---|---|
| Schenectady | Collins Lake | Nutrients |
| Schenectady | Duane Lake | Nutrients |
| Schenectady | Mariaville Lake | Nutrients |
| Schoharie | Engleville Pond | Nutrients |
| Schoharie | Summit Lake | Nutrients |
| Seneca | Reeder Creek and tribs | Nutrients |
| St.Lawrence | Black Lake Outlet/Black Lake | Nutrients |
| St.Lawrence | Fish Creek and minor tribs | Nutrients |
| Steuben | Smith Pond | Nutrients |
| Suffolk | Agawam Lake | Nutrients |
| Suffolk | Big/Little Fresh Ponds | Nutrients |
| Suffolk | Canaan Lake | Silt/Sediment |
| Suffolk | Canaan Lake | Nutrients |
| Suffolk | Flanders Bay, West/Lower Sawmill Creek | Nutrients |
| Suffolk | Fresh Pond | Nutrients |
| Suffolk | Great South Bay, East | Nutrients |
| Suffolk | Great South Bay, Middle | Nutrients |
| Suffolk | Great South Bay, West | Nutrients |
| Suffolk | Lake Ronkonkoma | Nutrients |
| Suffolk | Long Island Sound, Suffolk County, West | Nutrients |
| Suffolk | Mattituck (Marratooka) Pond | Nutrients |
| Suffolk | Meetinghouse/Terrys Creeks and tribs | Nutrients |
| Suffolk | Mill and Seven Ponds | Nutrients |
| Suffolk | Millers Pond | Nutrients |
| Suffolk | Moriches Bay, East | Nutrients |
| Suffolk | Moriches Bay, West | Nutrients |
| Suffolk | Peconic River, Lower, and tidal tribs | Nutrients |
| Suffolk | Quantuck Bay | Nutrients |
| Suffolk | Shinnecock Bay and Inlet | Nutrients |
| Suffolk | Tidal tribs to West Moriches Bay | Nutrients |
| Sullivan | Bodine, Montgomery Lakes | Nutrients |
| Sullivan | Davies Lake | Nutrients |
| Sullivan | Evens Lake | Nutrients |
| Sullivan | Pleasure Lake | Nutrients |
| Tompkins | Cayuga Lake, Southern End | Nutrients |
| Tompkins | Cayuga Lake, Southern End | Silt/Sediment |
| Tompkins | Owasco Inlet, Upper, and tribs | Nutrients |
| Ulster | Ashokan Reservoir | Silt/Sediment |
| Ulster | Esopus Creek, Upper, and minor tribs | Silt/Sediment |
| Warren | Hague Brook and tribs | Silt/Sediment |

## 303(d) Segments Impaired by Construction Related Pollutant(s)

| | | |
|---|---|---|
| Warren | Huddle/Finkle Brooks and tribs | Silt/Sediment |
| Warren | Indian Brook and tribs | Silt/Sediment |
| Warren | Lake George | Silt/Sediment |
| Warren | Tribs to L.George, Village of L George | Silt/Sediment |
| Washington | Cossayuna Lake | Nutrients |
| Washington | Lake Champlain, South Bay | Nutrients |
| Washington | Tribs to L.George, East Shore | Silt/Sediment |
| Washington | Wood Cr/Champlain Canal and minor tribs | Nutrients |
| Wayne | Port Bay | Nutrients |
| Westchester | Amawalk Reservoir | Nutrients |
| Westchester | Blind Brook, Upper, and tribs | Silt/Sediment |
| Westchester | Cross River Reservoir | Nutrients |
| Westchester | Lake Katonah | Nutrients |
| Westchester | Lake Lincolndale | Nutrients |
| Westchester | Lake Meahagh | Nutrients |
| Westchester | Lake Mohegan | Nutrients |
| Westchester | Lake Shenorock | Nutrients |
| Westchester | Long Island Sound, Westchester (East) | Nutrients |
| Westchester | Mamaroneck River, Lower | Silt/Sediment |
| Westchester | Mamaroneck River, Upper, and minor tribs | Silt/Sediment |
| Westchester | Muscoot/Upper New Croton Reservoir | Nutrients |
| Westchester | New Croton Reservoir | Nutrients |
| Westchester | Peach Lake | Nutrients |
| Westchester | Reservoir No.1 (Lake Isle) | Nutrients |
| Westchester | Saw Mill River, Lower, and tribs | Nutrients |
| Westchester | Saw Mill River, Middle, and tribs | Nutrients |
| Westchester | Sheldrake River and tribs | Silt/Sediment |
| Westchester | Sheldrake River and tribs | Nutrients |
| Westchester | Silver Lake | Nutrients |
| Westchester | Teatown Lake | Nutrients |
| Westchester | Titicus Reservoir | Nutrients |
| Westchester | Truesdale Lake | Nutrients |
| Westchester | Wallace Pond | Nutrients |
| Wyoming | Java Lake | Nutrients |
| Wyoming | Silver Lake | Nutrients |

## APPENDIX F – List of NYS DEC Regional Offices

| Region | Covering the following counties: | DIVISION OF ENVIRONMENTAL PERMITS (DEP) Permit Administrators | DIVISION OF WATER (DOW) Water (SPDES) Program |
|---|---|---|---|
| 1 | Nassau and Suffolk | 50 Circle Road<br>Stony Brook, NY 11790<br>Tel. (631) 444-0365 | 50 Circle Road<br>Stony Brook, NY 11790-3409<br>Tel. (631) 444-0405 |
| 2 | Bronx, Kings, New York, Queens and Richmond | 1 Hunters Point Plaza,<br>47-40 21st St.<br>Long Island City, NY 11101-5407<br>Tel. (718) 482-4997 | 1 Hunters Point Plaza,<br>47-40 21st St.<br>Long Island City, NY 11101-5407<br>Tel. (718) 482-4933 |
| 3 | Dutchess, Orange, Putnam, Rockland, Sullivan, Ulster and Westchester | 21 South Putt Corners Road<br>New Paltz, NY 12561-1696<br>Tel. (845) 256-3059 | 100 Hillside Avenue, Suite 1w<br>White Plains, NY 10603<br>Tel. (914) 428 - 2505 |
| 4 | Albany, Columbia, Delaware, Greene, Montgomery, Otsego, Rensselaer, Schenectady and Schoharie | 1150 North Westcott Road<br>Schenectady, NY 12306-2014<br>Tel. (518) 357-2069 | 1130 North Westcott Road<br>Schenectady, NY 12306-2014<br>Tel. (518) 357-2045 |
| 5 | Clinton, Essex, Franklin, Fulton, Hamilton, Saratoga, Warren and Washington | 1115 State Route 86, Po Box 296<br>Ray Brook, NY 12977-0296<br>Tel. (518) 897-1234 | 232 Golf Course Road<br>Warrensburg, NY 12885-1172 Tel. (518) 623-1200 |
| 6 | HERKIMER, JEFFERSON, LEWIS, ONEIDA AND ST. LAWRENCE | STATE OFFICE BUILDING<br>317 WASHINGTON STREET<br>WATERTOWN, NY 13601-3787<br>TEL. (315) 785-2245 | STATE OFFICE BUILDING<br>207 GENESEE STREET<br>UTICA, NY 13501-2885 TEL. (315) 793-2554 |
| 7 | BROOME, CAYUGA, CHENANGO, CORTLAND, MADISON, ONONDAGA, OSWEGO, TIOGA AND TOMPKINS | 615 ERIE BLVD. WEST<br>SYRACUSE, NY 13204-2400<br>TEL. (315) 426-7438 | 615 ERIE BLVD. WEST<br>SYRACUSE, NY 13204-2400<br>TEL. (315) 426-7500 |
| 8 | CHEMUNG, GENESEE, LIVINGSTON, MONROE, ONTARIO, ORLEANS, SCHUYLER, SENECA, STEUBEN, WAYNE AND YATES | 6274 EAST AVON-LIMA ROADAVON, NY 14414-9519<br>TEL. (585) 226-2466 | 6274 EAST AVON-LIMA RD.<br>AVON, NY 14414-9519<br>TEL. (585) 226-2466 |
| 9 | ALLEGANY, CATTARAUGUS, CHAUTAUQUA, ERIE, NIAGARA AND WYOMING | 270 MICHIGAN AVENUE<br>BUFFALO, NY 14203-2999<br>TEL. (716) 851-7165 | 270 MICHIGAN AVENUE<br>BUFFALO, NY 14203-2999<br>TEL. (716) 851-7070 |

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

**NYS Department of Environmental Conservation**
**Division of Water**
**625 Broadway, 4th Floor**
**Albany, New York 12233-3505**

# MS4 Stormwater Pollution Prevention Plan (SWPPP) Acceptance Form

**for**

**Construction Activities Seeking Authorization Under SPDES General Permit**

*(NOTE: Attach Completed Form to Notice Of Intent and Submit to Address Above)

| |
|---|
| **I. Project Owner/Operator Information** |
| 1. Owner/Operator Name: 27 High Street Lofts, LLC |
| 2. Contact Person: Kelly Libolt |
| 3. Street Address: PO Box 792 |
| 4. City/State/Zip: Poughkeepsie, NY 12601 |
| **II. Project Site Information** |
| 5. Project/Site Name: High Street Apartments |
| 6. Street Address: 27 High Street |
| 7. City/State/Zip: Poughkeepsie, NY 12601 |
| **III. Stormwater Pollution Prevention Plan (SWPPP) Review and Acceptance Information** |
| 8. SWPPP Reviewed by: |
| 9. Title/Position: |
| 10. Date Final SWPPP Reviewed and Accepted: |
| **IV. Regulated MS4 Information** |
| 11. Name of MS4: |
| 12. MS4 SPDES Permit Identification Number: NYR20A _____ |
| 13. Contact Person: |
| 14. Street Address: |
| 15. City/State/Zip: |
| 16. Telephone Number: |

## MS4 SWPPP Acceptance Form - continued

**V. Certification Statement - MS4 Official (principal executive officer or ranking elected official) or Duly Authorized Representative**

I hereby certify that the final Stormwater Pollution Prevention Plan (SWPPP) for the construction project identified in question 5 has been reviewed and meets the substantive requirements in the SPDES General Permit For Stormwater Discharges from Municipal Separate Storm Sewer Systems (MS4s). Note: The MS4, through the acceptance of the SWPPP, assumes no responsibility for the accuracy and adequacy of the design included in the SWPPP. In addition, review and acceptance of the SWPPP by the MS4 does not relieve the owner/operator or their SWPPP preparer of responsibility or liability for errors or omissions in the plan.

Printed Name:

Title/Position:

Signature:

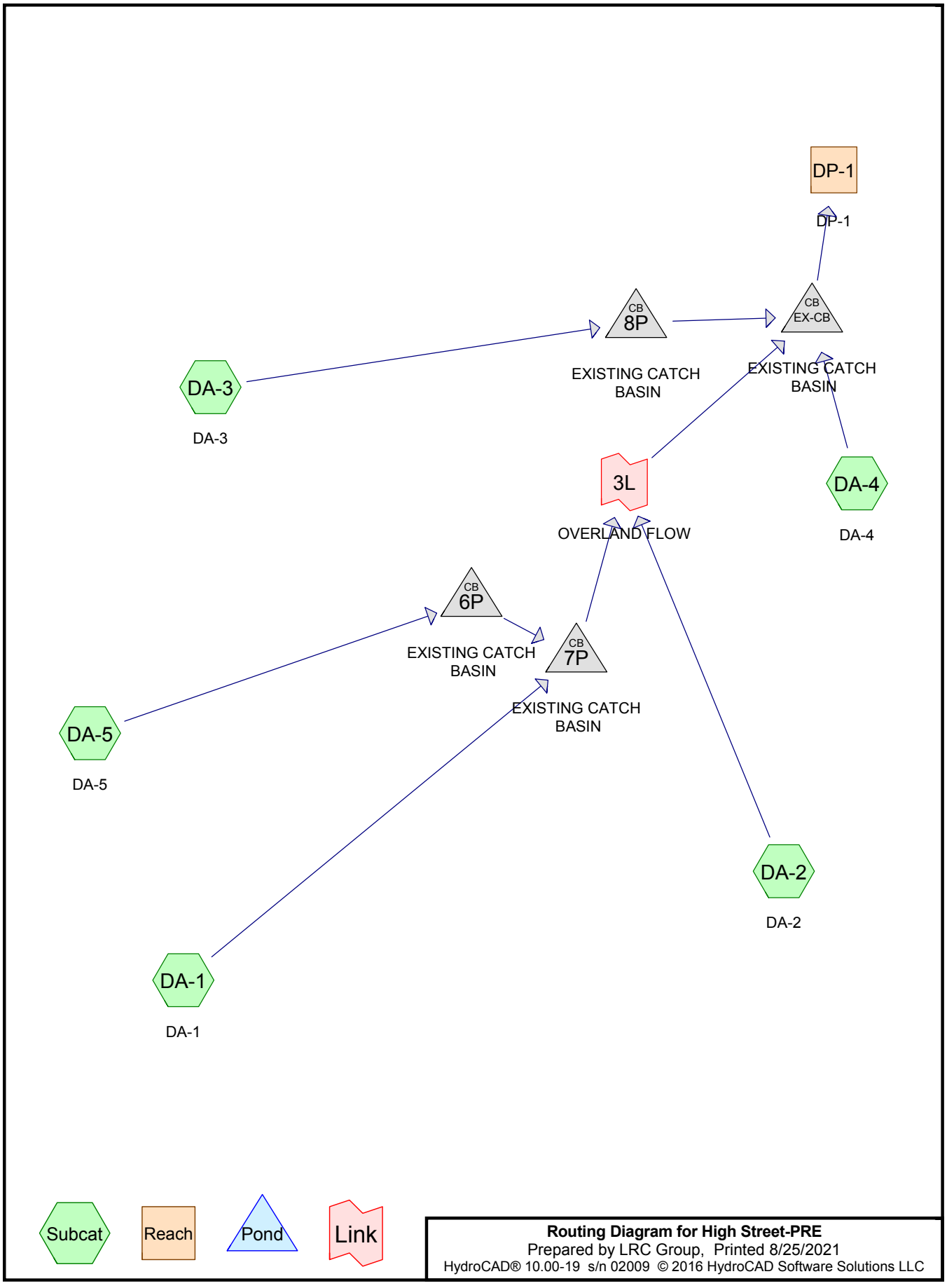
Date:

**VI. Additional Information**

(NYS DEC - MS4 SWPPP Acceptance Form - January 2015)

# APPENDIX C

Pre-Development and Post-Development Run-off Calculations


DP-1
DP-1
CB
8P
CB
EX-CB
EXISTING CATCH
BASIN
EXISTING CATCH
BASIN
DA-3
DA-3
3L
OVERLAND FLOW
DA-4
DA-4
CB
6P
EXISTING CATCH
BASIN
CB
7P
EXISTING CATCH
BASIN
DA-5
DA-5
DA-2
DA-2
DA-1
DA-1
Subcat
Reach
Pond
Link
Routing Diagram for High Street-PRE
Prepared by LRC Group, Printed 8/25/2021
HydroCAD® 10.00-19 s/n 02009 © 2016 HydroCAD Software Solutions LLC

## Area Listing (all nodes)

| Area (sq-ft) | CN | Description (subcatchment-numbers) |
|---|---|---|
| 6,986 | 84 | 50-75% Grass cover, Fair, HSG D (DA-1, DA-3, DA-4) |
| 38,112 | 98 | Paved parking, HSG D (DA-1, DA-3, DA-4, DA-5) |
| 8,997 | 98 | Roofs, HSG D (DA-2) |
| **54,095** | **96** | **TOTAL AREA** |

## Soil Listing (all nodes)

| Area (sq-ft) | Soil Group | Subcatchment Numbers |
|---|---|---|
| 0 | HSG A | |
| 0 | HSG B | |
| 0 | HSG C | |
| 54,095 | HSG D | DA-1, DA-2, DA-3, DA-4, DA-5 |
| 0 | Other | |
| **54,095** | | **TOTAL AREA** |

## Ground Covers (all nodes)

| HSG-A (sq-ft) | HSG-B (sq-ft) | HSG-C (sq-ft) | HSG-D (sq-ft) | Other (sq-ft) | Total (sq-ft) | Ground Cover | Sub Num |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 6,986 | 0 | 6,986 | 50-75% Grass cover, Fair | |
| 0 | 0 | 0 | 38,112 | 0 | 38,112 | Paved parking | |
| 0 | 0 | 0 | 8,997 | 0 | 8,997 | Roofs | |
| **0** | **0** | **0** | **54,095** | **0** | **54,095** | **TOTAL AREA** | |

## Pipe Listing (all nodes)

| Line# | Node Number | In-Invert (feet) | Out-Invert (feet) | Length (feet) | Slope (ft/ft) | n | Diam/Width (inches) | Height (inches) | Inside-Fill (inches) |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 6P | 174.60 | 172.80 | 28.0 | 0.0643 | 0.013 | 12.0 | 0.0 | 0.0 |
| 2 | 7P | 169.60 | 165.70 | 18.0 | 0.2167 | 0.010 | 10.0 | 0.0 | 0.0 |
| 3 | 8P | 156.60 | 155.60 | 30.0 | 0.0333 | 0.010 | 8.0 | 0.0 | 0.0 |
| 4 | EX-CB | 154.40 | 153.50 | 26.0 | 0.0346 | 0.010 | 12.0 | 0.0 | 0.0 |

Time span=0.00-20.00 hrs, dt=0.05 hrs, 401 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

**Subcatchment DA-1: DA-1** Runoff Area=13,584 sf 96.69% Impervious Runoff Depth>2.25"
Flow Length=213' Tc=6.0 min CN=98 Runoff=1.11 cfs 2,551 cf

**Subcatchment DA-2: DA-2** Runoff Area=8,997 sf 100.00% Impervious Runoff Depth>2.25"
Tc=6.0 min CN=98 Runoff=0.74 cfs 1,689 cf

**Subcatchment DA-3: DA-3** Runoff Area=11,305 sf 70.74% Impervious Runoff Depth>1.85"
Flow Length=201' Tc=6.0 min CN=94 Runoff=0.83 cfs 1,745 cf

**Subcatchment DA-4: DA-4** Runoff Area=9,839 sf 67.19% Impervious Runoff Depth>1.76"
Flow Length=224' Tc=6.0 min CN=93 Runoff=0.70 cfs 1,445 cf

**Subcatchment DA-5: DA-5** Runoff Area=10,370 sf 100.00% Impervious Runoff Depth>2.25"
Flow Length=173' Tc=6.0 min CN=98 Runoff=0.85 cfs 1,947 cf

**Reach DP-1: DP-1** Inflow=4.23 cfs 9,378 cf
Outflow=4.23 cfs 9,378 cf

**Pond 6P: EXISTING CATCH BASIN** Peak Elev=175.14' Inflow=0.85 cfs 1,947 cf
12.0" Round Culvert n=0.013 L=28.0' S=0.0643 '/' Outflow=0.85 cfs 1,947 cf

**Pond 7P: EXISTING CATCH BASIN** Peak Elev=170.91' Inflow=1.96 cfs 4,498 cf
10.0" Round Culvert n=0.010 L=18.0' S=0.2167 '/' Outflow=1.96 cfs 4,498 cf

**Pond 8P: EXISTING CATCH BASIN** Peak Elev=157.33' Inflow=0.83 cfs 1,745 cf
8.0" Round Culvert n=0.010 L=30.0' S=0.0333 '/' Outflow=0.83 cfs 1,745 cf

**Pond EX-CB: EXISTING CATCH BASIN** Peak Elev=156.90' Inflow=4.23 cfs 9,378 cf
Outflow=4.23 cfs 9,378 cf

**Link 3L: OVERLAND FLOW** Inflow=2.70 cfs 6,187 cf
Primary=2.70 cfs 6,187 cf

**Total Runoff Area = 54,095 sf Runoff Volume = 9,378 cf Average Runoff Depth = 2.08"**
**12.91% Pervious = 6,986 sf 87.09% Impervious = 47,109 sf**

## Summary for Subcatchment DA-1: DA-1

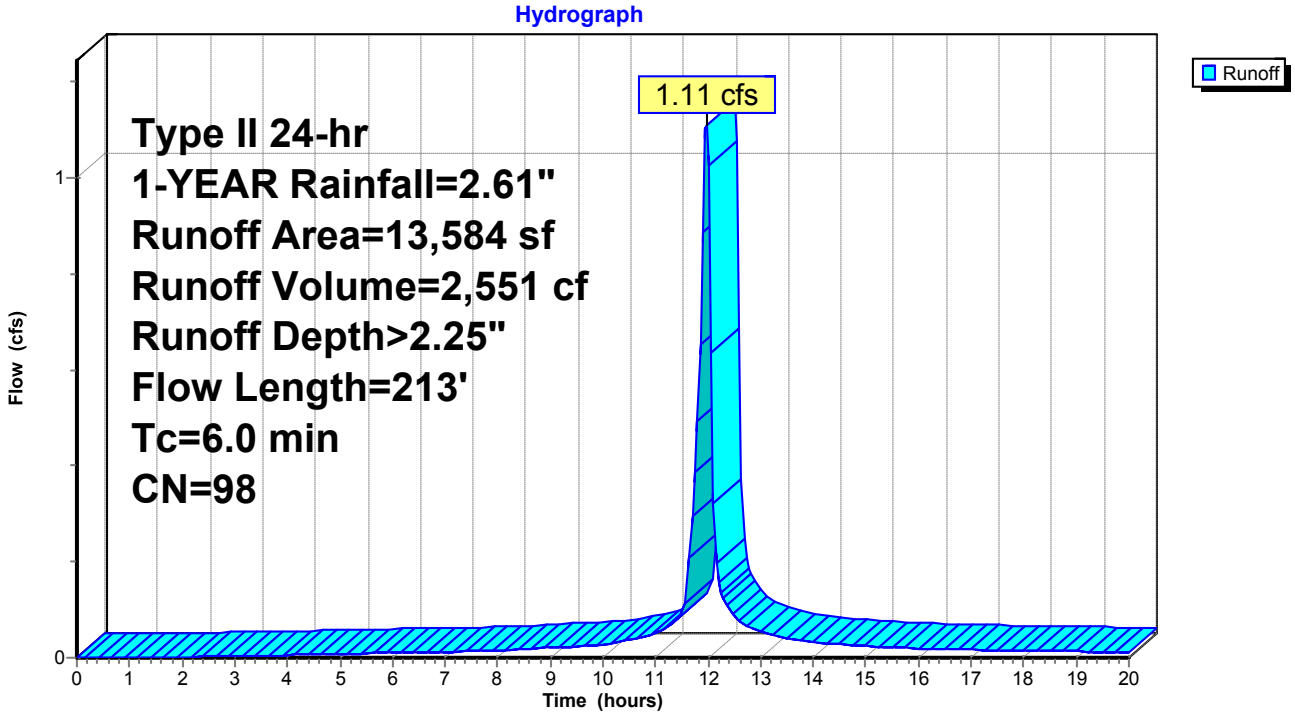
Runoff = 1.11 cfs @ 11.96 hrs, Volume= 2,551 cf, Depth> 2.25"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YEAR Rainfall=2.61"

| Area (sf) | CN | Description |
|---|---|---|
| 450 | 84 | 50-75% Grass cover, Fair, HSG D |
| 13,134 | 98 | Paved parking, HSG D |
| 13,584 | 98 | Weighted Average |
| 450 | | 3.31% Pervious Area |
| 13,134 | | 96.69% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 0.9 | 100 | 0.0392 | 1.79 | | **Sheet Flow, A-B** Smooth surfaces n= 0.011 P2= 3.16" |
| 0.4 | 113 | 0.0465 | 4.38 | | **Shallow Concentrated Flow, B-C** Paved Kv= 20.3 fps |
| 1.3 | 213 | Total, Increased to minimum Tc = 6.0 min | | | |

## Subcatchment DA-1: DA-1



## Summary for Subcatchment DA-2: DA-2

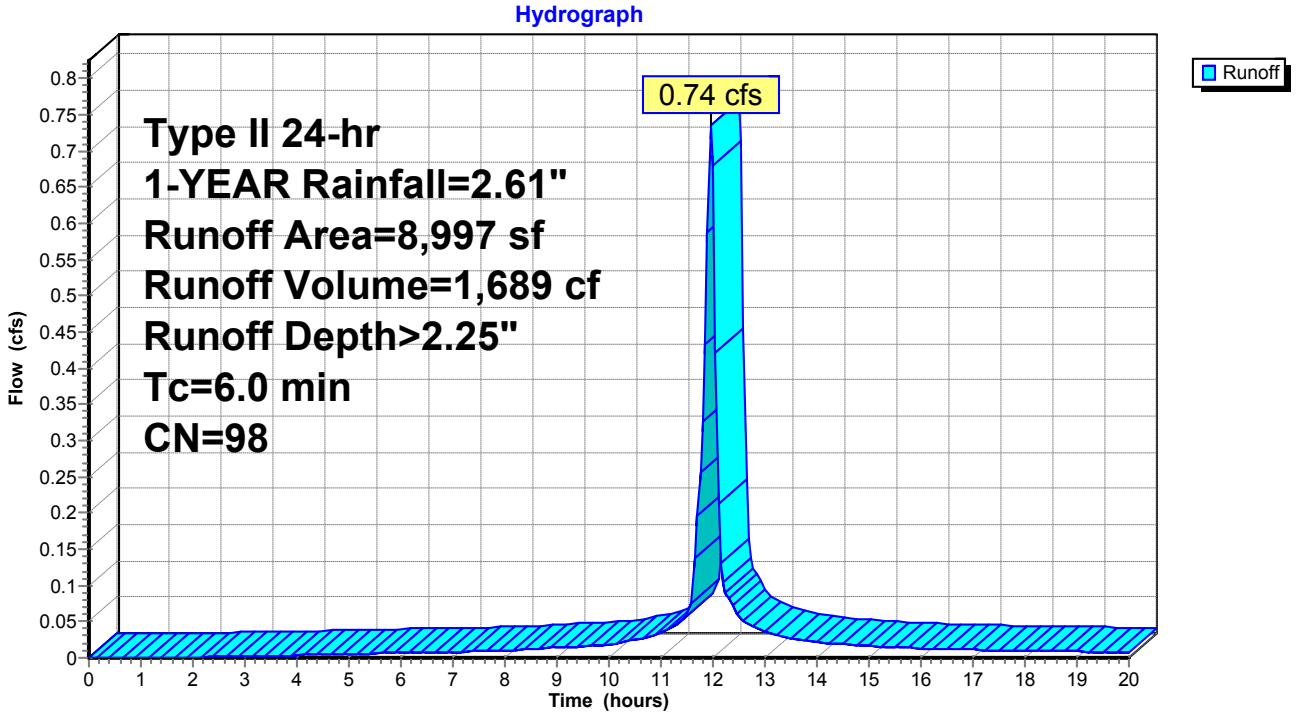
Runoff = 0.74 cfs @ 11.96 hrs, Volume= 1,689 cf, Depth> 2.25"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YEAR Rainfall=2.61"

| Area (sf) | CN | Description |
|---|---|---|
| 8,997 | 98 | Roofs, HSG D |
| 8,997 | | 100.00% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 6.0 | | | | | **Direct Entry,** |

## Subcatchment DA-2: DA-2



## Summary for Subcatchment DA-3: DA-3

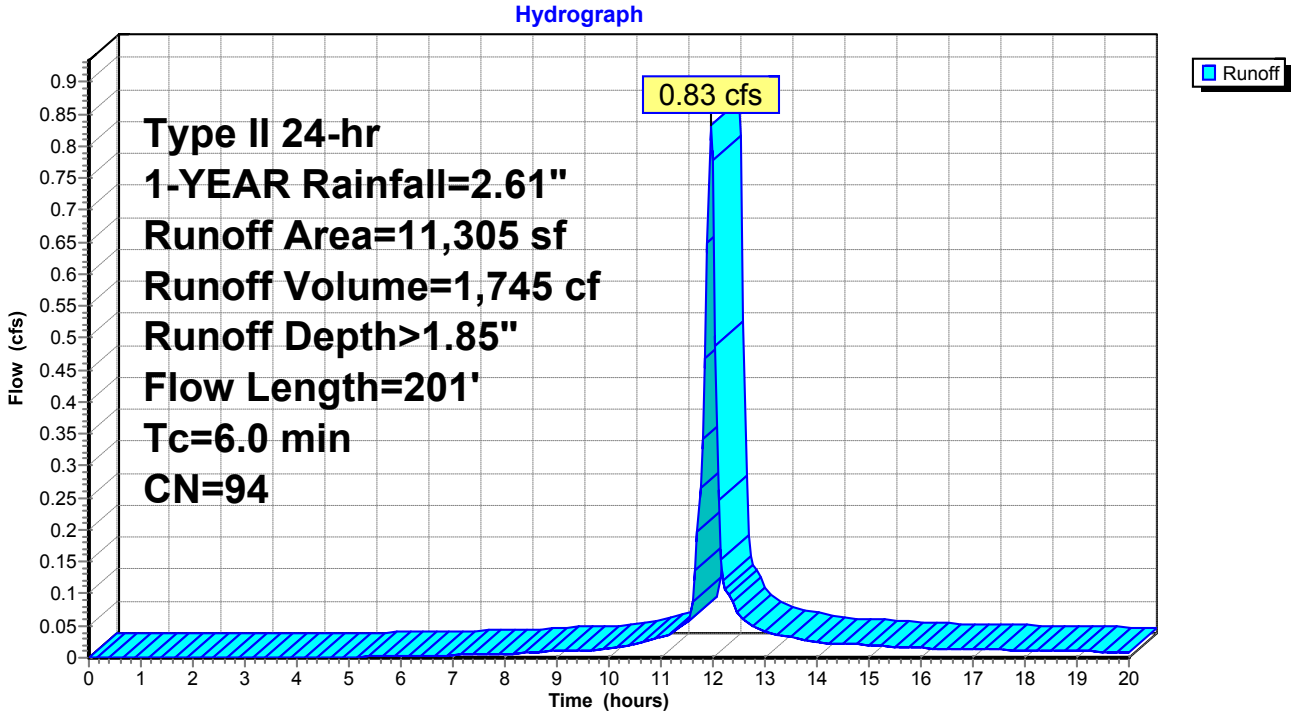
Runoff = 0.83 cfs @ 11.96 hrs, Volume= 1,745 cf, Depth> 1.85"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YEAR Rainfall=2.61"

| Area (sf) | CN | Description |
|---|---|---|
| 3,308 | 84 | 50-75% Grass cover, Fair, HSG D |
| 7,997 | 98 | Paved parking, HSG D |
| 11,305 | 94 | Weighted Average |
| 3,308 | | 29.26% Pervious Area |
| 7,997 | | 70.74% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 1.1 | 26 | 0.3120 | 0.39 | | **Sheet Flow, G-H** Grass: Short n= 0.150 P2= 3.16" |
| 0.5 | 175 | 0.0690 | 5.33 | | **Shallow Concentrated Flow, H-I** Paved Kv= 20.3 fps |
| 1.6 | 201 | Total, Increased to minimum Tc = 6.0 min | | | |

## Subcatchment DA-3: DA-3



## Summary for Subcatchment DA-4: DA-4

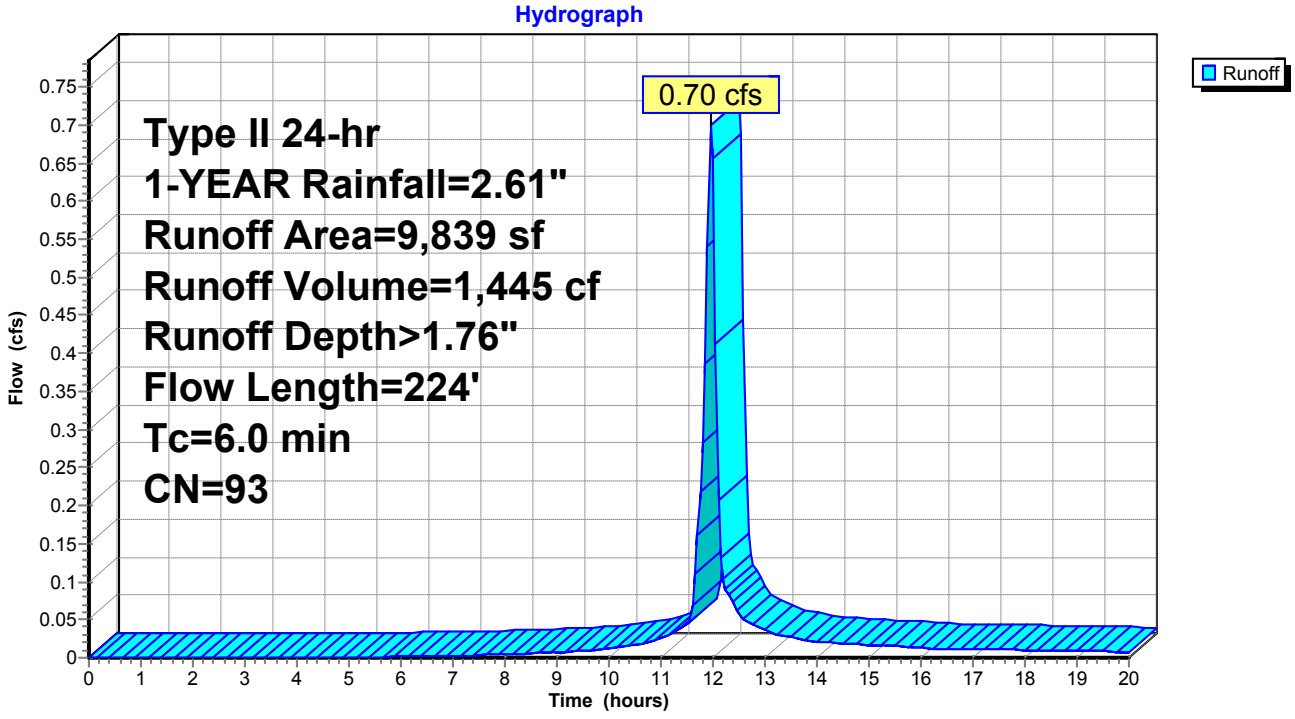
Runoff = 0.70 cfs @ 11.97 hrs, Volume= 1,445 cf, Depth> 1.76"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YEAR Rainfall=2.61"

| Area (sf) | CN | Description |
|---|---|---|
| 3,228 | 84 | 50-75% Grass cover, Fair, HSG D |
| 6,611 | 98 | Paved parking, HSG D |
| 9,839 | 93 | Weighted Average |
| 3,228 | | 32.81% Pervious Area |
| 6,611 | | 67.19% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 0.7 | 100 | 0.0920 | 2.52 | | **Sheet Flow, J-K** Smooth surfaces n= 0.011 P2= 3.16" |
| 0.5 | 124 | 0.0430 | 4.21 | | **Shallow Concentrated Flow, K-L** Paved Kv= 20.3 fps |
| 1.2 | 224 | Total, Increased to minimum Tc = 6.0 min | | | |

## Subcatchment DA-4: DA-4



## Summary for Subcatchment DA-5: DA-5

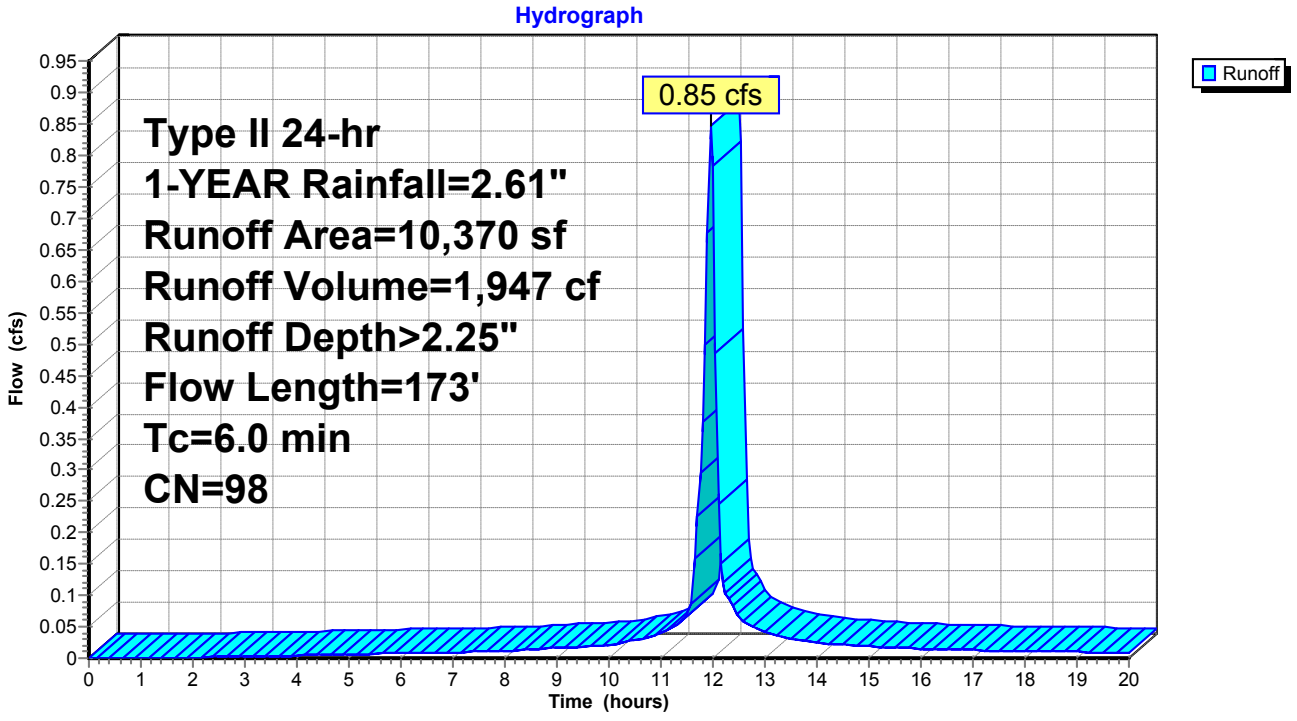
Runoff = 0.85 cfs @ 11.96 hrs, Volume= 1,947 cf, Depth> 2.25"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YEAR Rainfall=2.61"

| Area (sf) | CN | Description |
|---|---|---|
| 10,370 | 98 | Paved parking, HSG D |
| 10,370 | | 100.00% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 0.9 | 100 | 0.0490 | 1.96 | | **Sheet Flow, D-E** Smooth surfaces n= 0.011 P2= 3.16" |
| 0.3 | 73 | 0.0393 | 4.02 | | **Shallow Concentrated Flow, E-F** Paved Kv= 20.3 fps |
| 1.2 | 173 | Total, Increased to minimum Tc = 6.0 min | | | |

## Subcatchment DA-5: DA-5



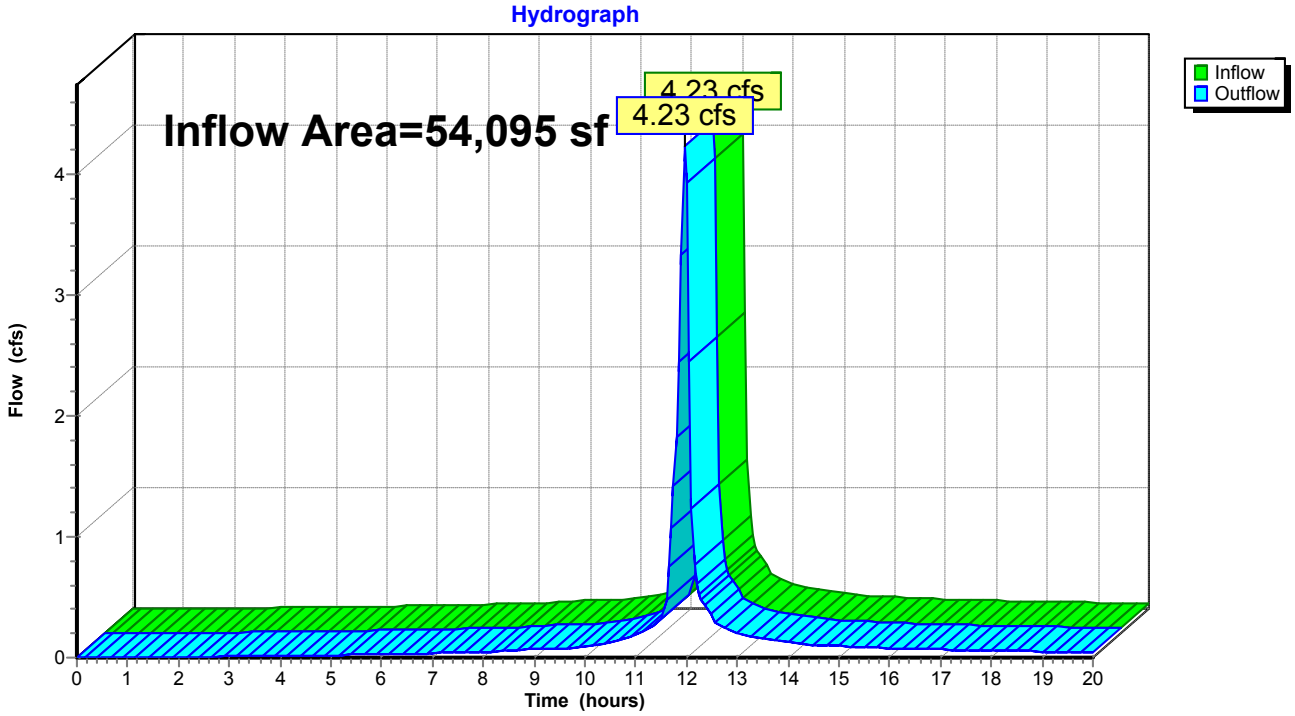
## Summary for Reach DP-1: DP-1

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area = 54,095 sf, 87.09% Impervious, Inflow Depth > 2.08" for 1-YEAR event
Inflow = 4.23 cfs @ 11.96 hrs, Volume= 9,378 cf
Outflow = 4.23 cfs @ 11.96 hrs, Volume= 9,378 cf, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs

### Reach DP-1: DP-1



## Summary for Pond 6P: EXISTING CATCH BASIN

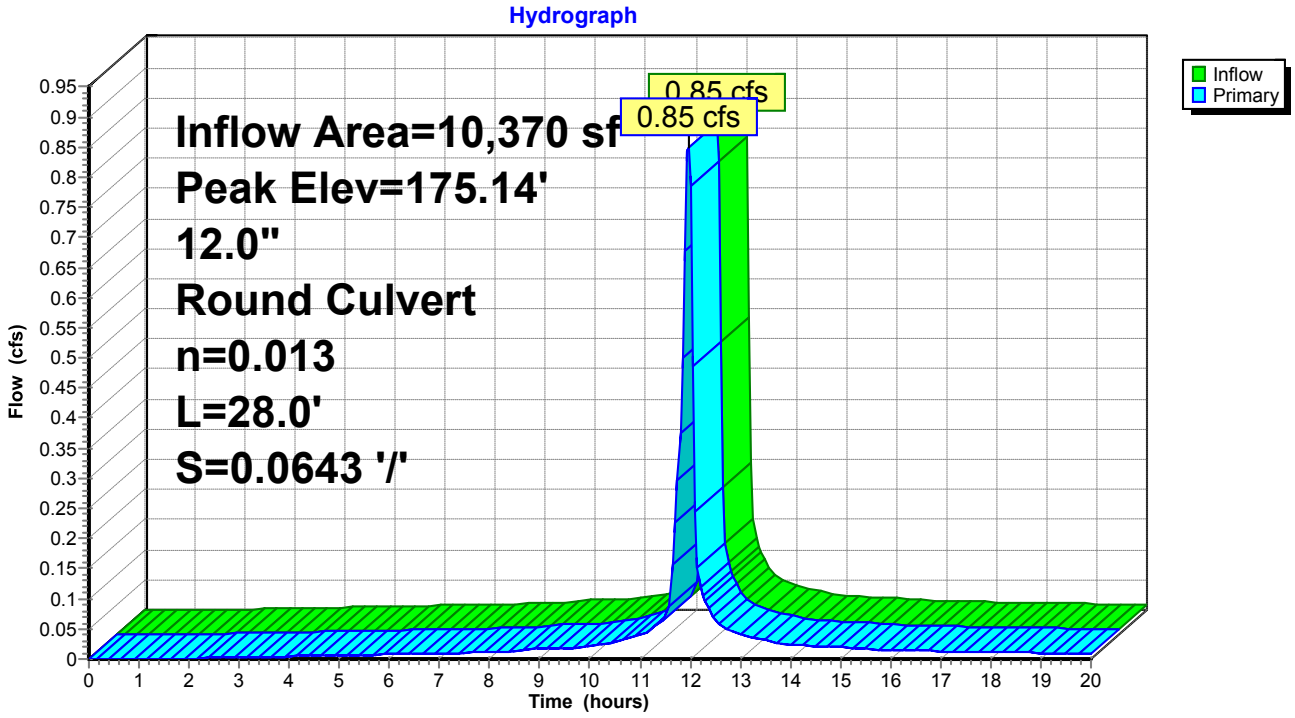
Inflow Area = 10,370 sf,100.00% Impervious, Inflow Depth > 2.25" for 1-YEAR event
Inflow = 0.85 cfs @ 11.96 hrs, Volume= 1,947 cf
Outflow = 0.85 cfs @ 11.96 hrs, Volume= 1,947 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.85 cfs @ 11.96 hrs, Volume= 1,947 cf

Routing by Stor-Ind method, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 175.14' @ 11.96 hrs
Flood Elev= 176.23'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 174.60' | **12.0" Round Culvert**<br>L= 28.0' CPP, projecting, no headwall, Ke= 0.900<br>Inlet / Outlet Invert= 174.60' / 172.80' S= 0.0643 '/' Cc= 0.900<br>n= 0.013, Flow Area= 0.79 sf |

**Primary OutFlow** Max=0.83 cfs @ 11.96 hrs HW=175.13' (Free Discharge)
**1=Culvert** (Inlet Controls 0.83 cfs @ 1.96 fps)

## Pond 6P: EXISTING CATCH BASIN



## Summary for Pond 7P: EXISTING CATCH BASIN

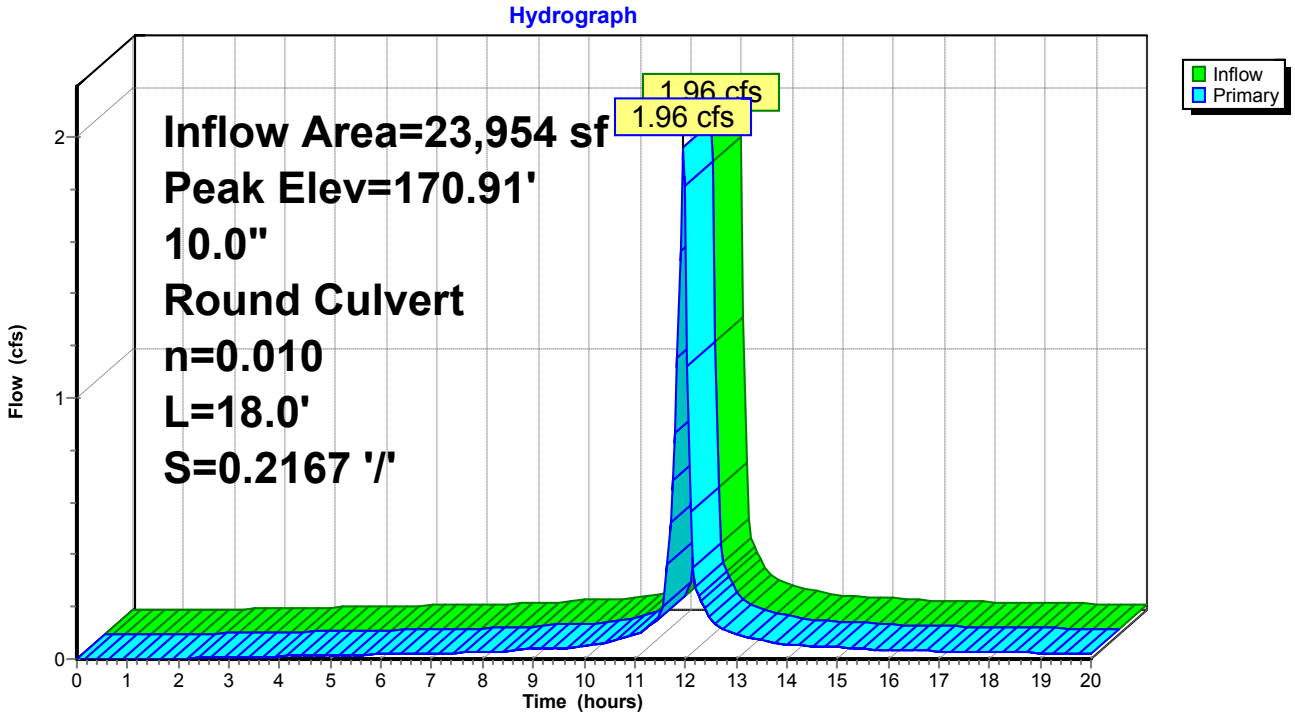
Inflow Area = 23,954 sf, 98.12% Impervious, Inflow Depth > 2.25" for 1-YEAR event
Inflow = 1.96 cfs @ 11.96 hrs, Volume= 4,498 cf
Outflow = 1.96 cfs @ 11.96 hrs, Volume= 4,498 cf, Atten= 0%, Lag= 0.0 min
Primary = 1.96 cfs @ 11.96 hrs, Volume= 4,498 cf

Routing by Stor-Ind method, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 170.91' @ 11.96 hrs
Flood Elev= 175.08'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 169.60' | **10.0" Round Culvert**<br>L= 18.0' CPP, projecting, no headwall, Ke= 0.900<br>Inlet / Outlet Invert= 169.60' / 165.70' S= 0.2167 '/' Cc= 0.900<br>n= 0.010, Flow Area= 0.55 sf |

**Primary OutFlow** Max=1.92 cfs @ 11.96 hrs HW=170.87' (Free Discharge)
**1=Culvert** (Inlet Controls 1.92 cfs @ 3.51 fps)

## Pond 7P: EXISTING CATCH BASIN



## Summary for Pond 8P: EXISTING CATCH BASIN

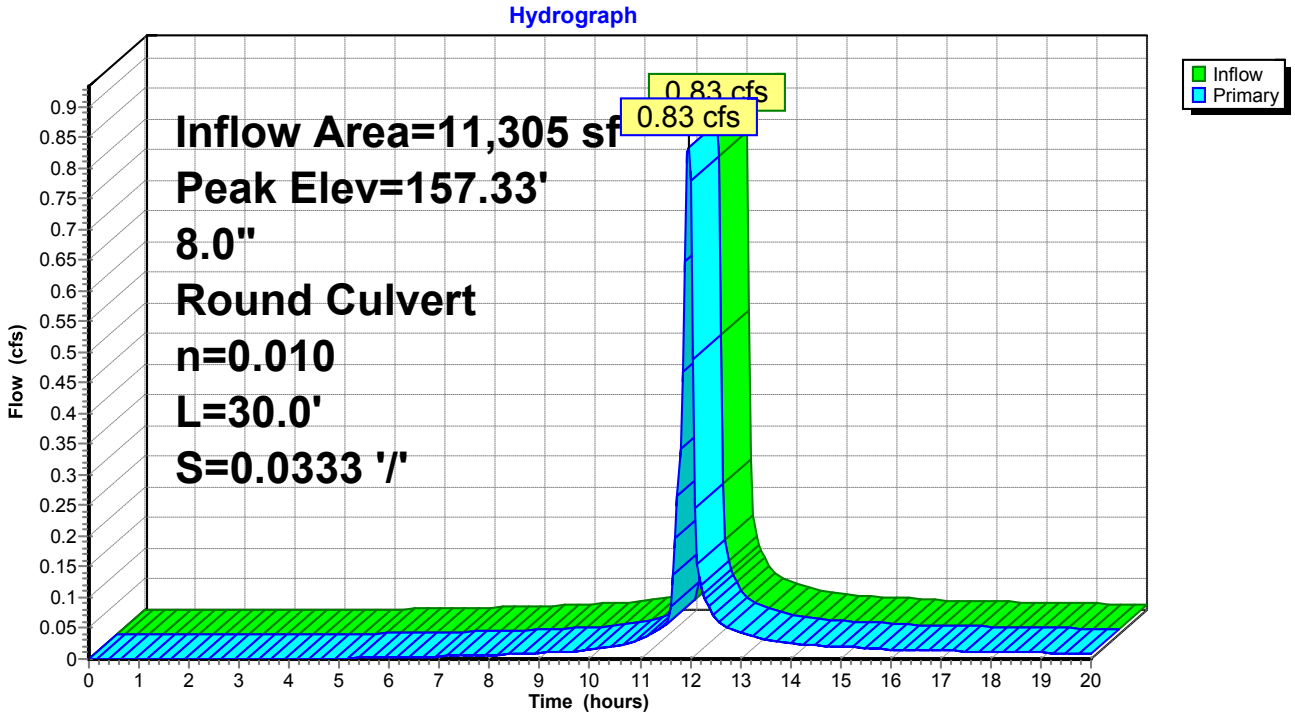
Inflow Area = 11,305 sf, 70.74% Impervious, Inflow Depth > 1.85" for 1-YEAR event
Inflow = 0.83 cfs @ 11.96 hrs, Volume= 1,745 cf
Outflow = 0.83 cfs @ 11.96 hrs, Volume= 1,745 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.83 cfs @ 11.96 hrs, Volume= 1,745 cf

Routing by Stor-Ind method, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 157.33' @ 11.96 hrs
Flood Elev= 159.91'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 156.60' | **8.0" Round Culvert**<br>L= 30.0' CPP, projecting, no headwall, Ke= 0.900<br>Inlet / Outlet Invert= 156.60' / 155.60' S= 0.0333 '/' Cc= 0.900<br>n= 0.010 PVC, smooth interior, Flow Area= 0.35 sf |

**Primary OutFlow** Max=0.81 cfs @ 11.96 hrs HW=157.31' (Free Discharge)
**1=Culvert** (Inlet Controls 0.81 cfs @ 2.32 fps)

## Pond 8P: EXISTING CATCH BASIN



## Summary for Pond EX-CB: EXISTING CATCH BASIN

[79] Warning: Submerged Pond 8P Primary device # 1 INLET by 0.27'

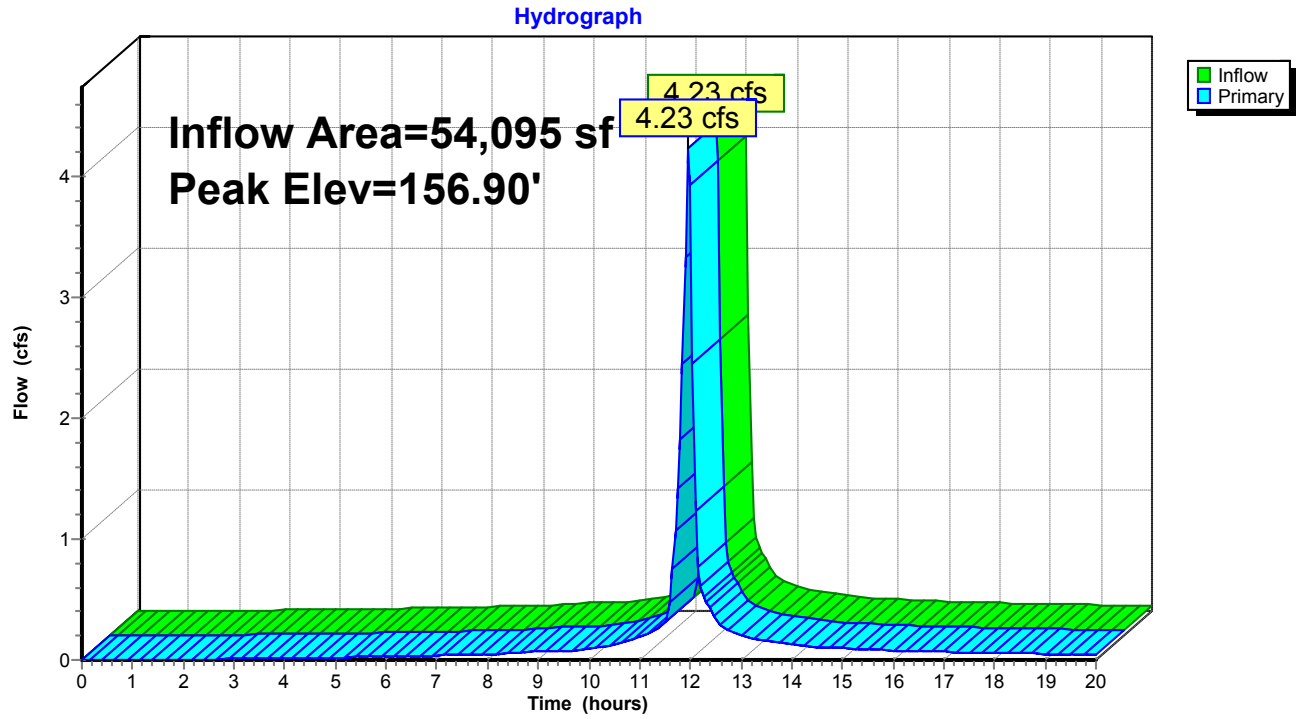
Inflow Area = 54,095 sf, 87.09% Impervious, Inflow Depth > 2.08" for 1-YEAR event
Inflow = 4.23 cfs @ 11.96 hrs, Volume= 9,378 cf
Outflow = 4.23 cfs @ 11.96 hrs, Volume= 9,378 cf, Atten= 0%, Lag= 0.0 min
Primary = 4.23 cfs @ 11.96 hrs, Volume= 9,378 cf

Routing by Stor-Ind method, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 156.90' @ 11.96 hrs
Flood Elev= 157.95'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 154.40' | **12.0" Round Culvert**<br>L= 26.0' CPP, projecting, no headwall, Ke= 0.900<br>Inlet / Outlet Invert= 154.40' / 153.50' S= 0.0346 '/' Cc= 0.900<br>n= 0.010, Flow Area= 0.79 sf |
| #2 | Primary | 157.95' | **3.0' long x 3.0' breadth Broad-Crested Rectangular Weir**<br>Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50<br>Coef. (English) 2.44 2.58 2.68 2.67 2.65 2.64 2.64 2.68 2.68 2.72 2.81 2.92 2.97 3.07 3.32 |

**Primary OutFlow** Max=4.13 cfs @ 11.96 hrs HW=156.81' (Free Discharge)
└**1=Culvert** (Inlet Controls 4.13 cfs @ 5.25 fps)
└**2=Broad-Crested Rectangular Weir** ( Controls 0.00 cfs)

## Pond EX-CB: EXISTING CATCH BASIN

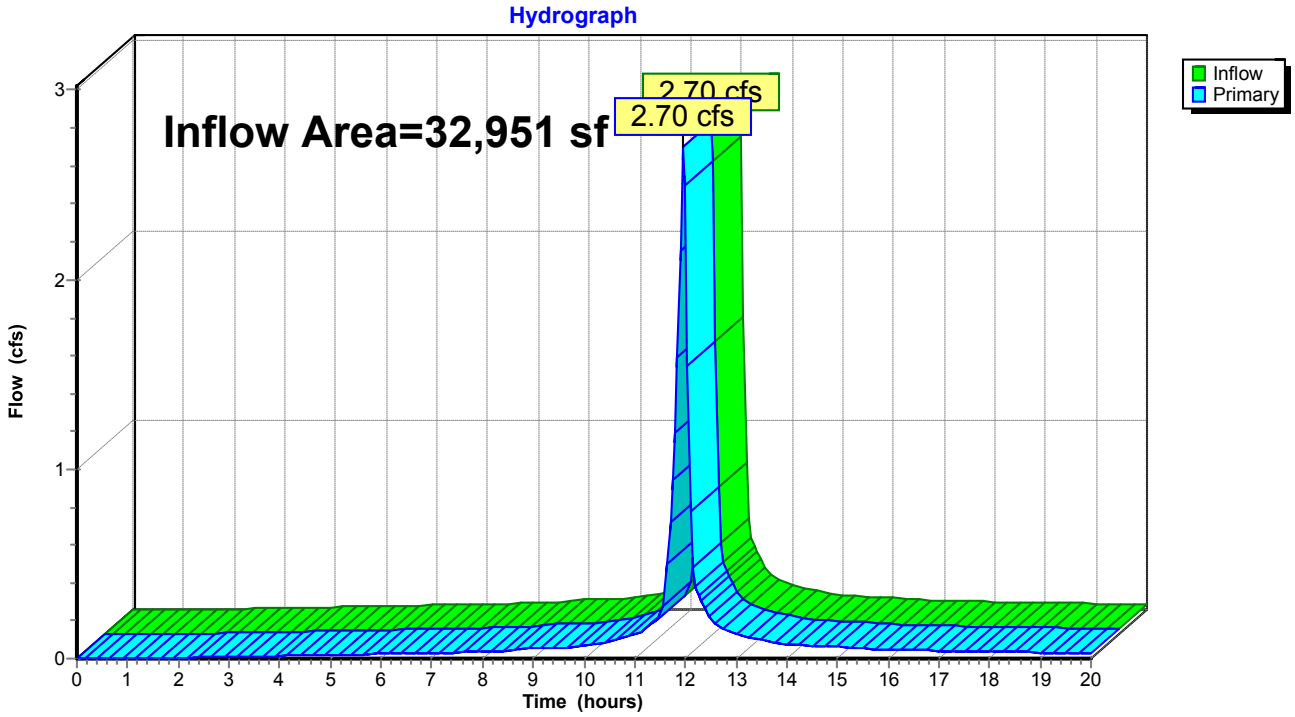


## Summary for Link 3L: OVERLAND FLOW

Inflow Area = 32,951 sf, 98.63% Impervious, Inflow Depth > 2.25" for 1-YEAR event
Inflow = 2.70 cfs @ 11.96 hrs, Volume= 6,187 cf
Primary = 2.70 cfs @ 11.96 hrs, Volume= 6,187 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs

## Link 3L: OVERLAND FLOW



Time span=0.00-20.00 hrs, dt=0.05 hrs, 401 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

**Subcatchment DA-1: DA-1** Runoff Area=13,584 sf 96.69% Impervious Runoff Depth>2.77"
Flow Length=213' Tc=6.0 min CN=98 Runoff=1.35 cfs 3,140 cf

**Subcatchment DA-2: DA-2** Runoff Area=8,997 sf 100.00% Impervious Runoff Depth>2.77"
Tc=6.0 min CN=98 Runoff=0.90 cfs 2,080 cf

**Subcatchment DA-3: DA-3** Runoff Area=11,305 sf 70.74% Impervious Runoff Depth>2.36"
Flow Length=201' Tc=6.0 min CN=94 Runoff=1.04 cfs 2,219 cf

**Subcatchment DA-4: DA-4** Runoff Area=9,839 sf 67.19% Impervious Runoff Depth>2.26"
Flow Length=224' Tc=6.0 min CN=93 Runoff=0.88 cfs 1,852 cf

**Subcatchment DA-5: DA-5** Runoff Area=10,370 sf 100.00% Impervious Runoff Depth>2.77"
Flow Length=173' Tc=6.0 min CN=98 Runoff=1.03 cfs 2,397 cf

**Reach DP-1: DP-1** Inflow=5.21 cfs 11,688 cf
Outflow=5.21 cfs 11,688 cf

**Pond 6P: EXISTING CATCH BASIN** Peak Elev=175.20' Inflow=1.03 cfs 2,397 cf
12.0" Round Culvert n=0.013 L=28.0' S=0.0643 '/' Outflow=1.03 cfs 2,397 cf

**Pond 7P: EXISTING CATCH BASIN** Peak Elev=171.34' Inflow=2.39 cfs 5,537 cf
10.0" Round Culvert n=0.010 L=18.0' S=0.2167 '/' Outflow=2.39 cfs 5,537 cf

**Pond 8P: EXISTING CATCH BASIN** Peak Elev=157.55' Inflow=1.04 cfs 2,219 cf
8.0" Round Culvert n=0.010 L=30.0' S=0.0333 '/' Outflow=1.04 cfs 2,219 cf

**Pond EX-CB: EXISTING CATCH BASIN** Peak Elev=157.93' Inflow=5.21 cfs 11,688 cf
Outflow=5.21 cfs 11,688 cf

**Link 3L: OVERLAND FLOW** Inflow=3.28 cfs 7,617 cf
Primary=3.28 cfs 7,617 cf

**Total Runoff Area = 54,095 sf Runoff Volume = 11,688 cf Average Runoff Depth = 2.59"**
**12.91% Pervious = 6,986 sf 87.09% Impervious = 47,109 sf**

## Summary for Subcatchment DA-1: DA-1

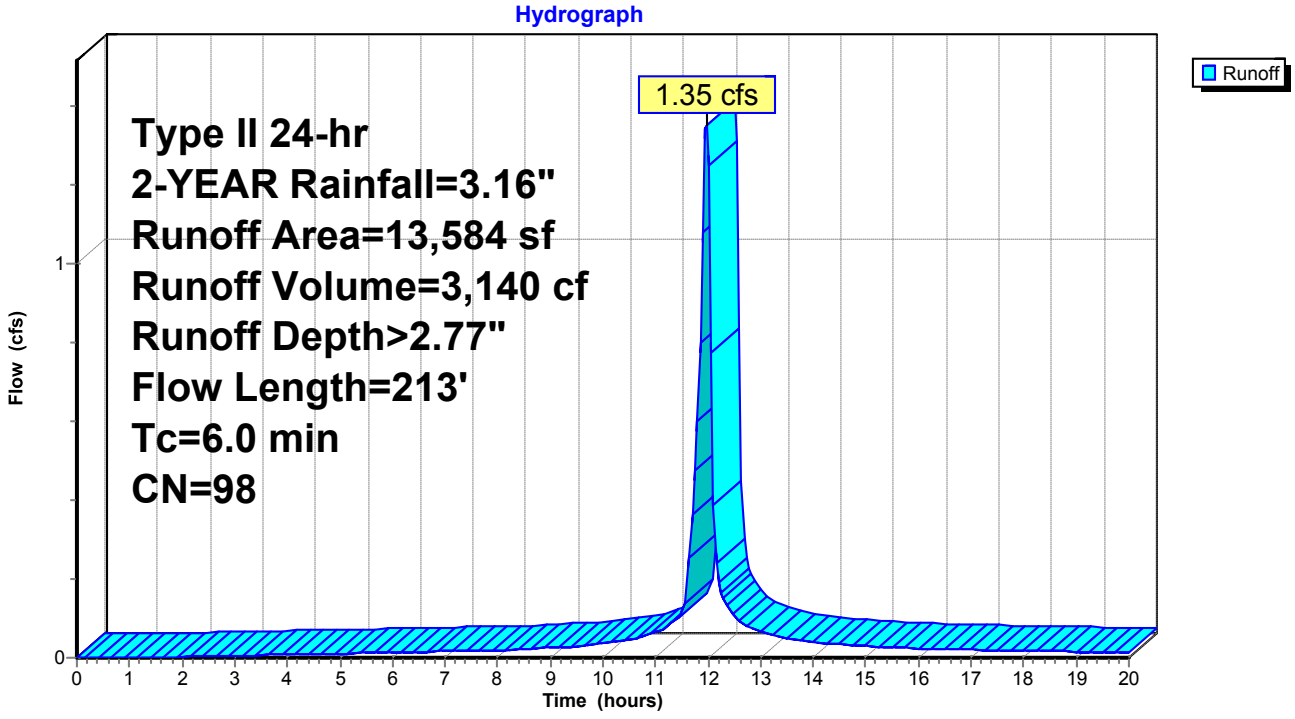
Runoff = 1.35 cfs @ 11.96 hrs, Volume= 3,140 cf, Depth> 2.77"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YEAR Rainfall=3.16"

| Area (sf) | CN | Description |
|---|---|---|
| 450 | 84 | 50-75% Grass cover, Fair, HSG D |
| 13,134 | 98 | Paved parking, HSG D |
| 13,584 | 98 | Weighted Average |
| 450 | | 3.31% Pervious Area |
| 13,134 | | 96.69% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 0.9 | 100 | 0.0392 | 1.79 | | **Sheet Flow, A-B** Smooth surfaces n= 0.011 P2= 3.16" |
| 0.4 | 113 | 0.0465 | 4.38 | | **Shallow Concentrated Flow, B-C** Paved Kv= 20.3 fps |
| 1.3 | 213 | Total, Increased to minimum Tc = 6.0 min | | | |

## Subcatchment DA-1: DA-1



## Summary for Subcatchment DA-2: DA-2

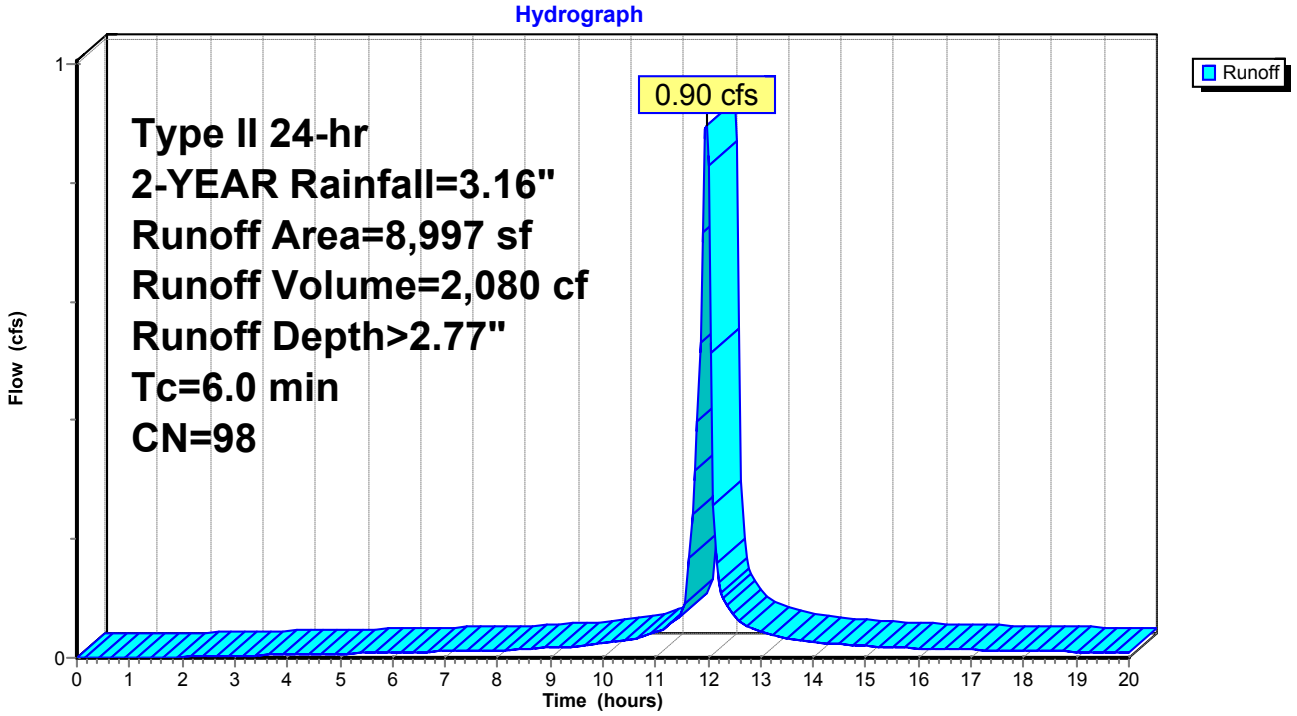
Runoff = 0.90 cfs @ 11.96 hrs, Volume= 2,080 cf, Depth> 2.77"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YEAR Rainfall=3.16"

| Area (sf) | CN | Description |
|---|---|---|
| 8,997 | 98 | Roofs, HSG D |
| 8,997 | | 100.00% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 6.0 | | | | | **Direct Entry,** |

## Subcatchment DA-2: DA-2



## Summary for Subcatchment DA-3: DA-3

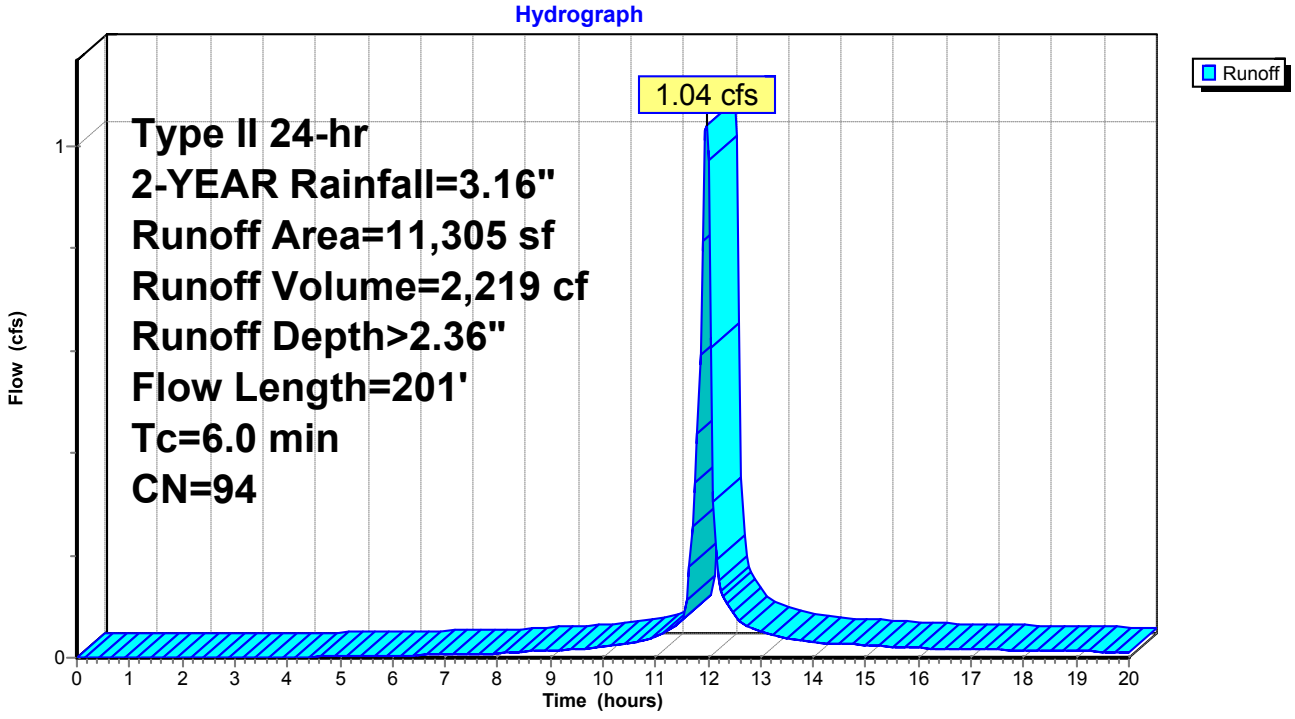
Runoff = 1.04 cfs @ 11.96 hrs, Volume= 2,219 cf, Depth> 2.36"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YEAR Rainfall=3.16"

| Area (sf) | CN | Description |
|---|---|---|
| 3,308 | 84 | 50-75% Grass cover, Fair, HSG D |
| 7,997 | 98 | Paved parking, HSG D |
| 11,305 | 94 | Weighted Average |
| 3,308 | | 29.26% Pervious Area |
| 7,997 | | 70.74% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 1.1 | 26 | 0.3120 | 0.39 | | **Sheet Flow, G-H** Grass: Short n= 0.150 P2= 3.16" |
| 0.5 | 175 | 0.0690 | 5.33 | | **Shallow Concentrated Flow, H-I** Paved Kv= 20.3 fps |
| 1.6 | 201 | Total, Increased to minimum Tc = 6.0 min | | | |

## Subcatchment DA-3: DA-3



## Summary for Subcatchment DA-4: DA-4

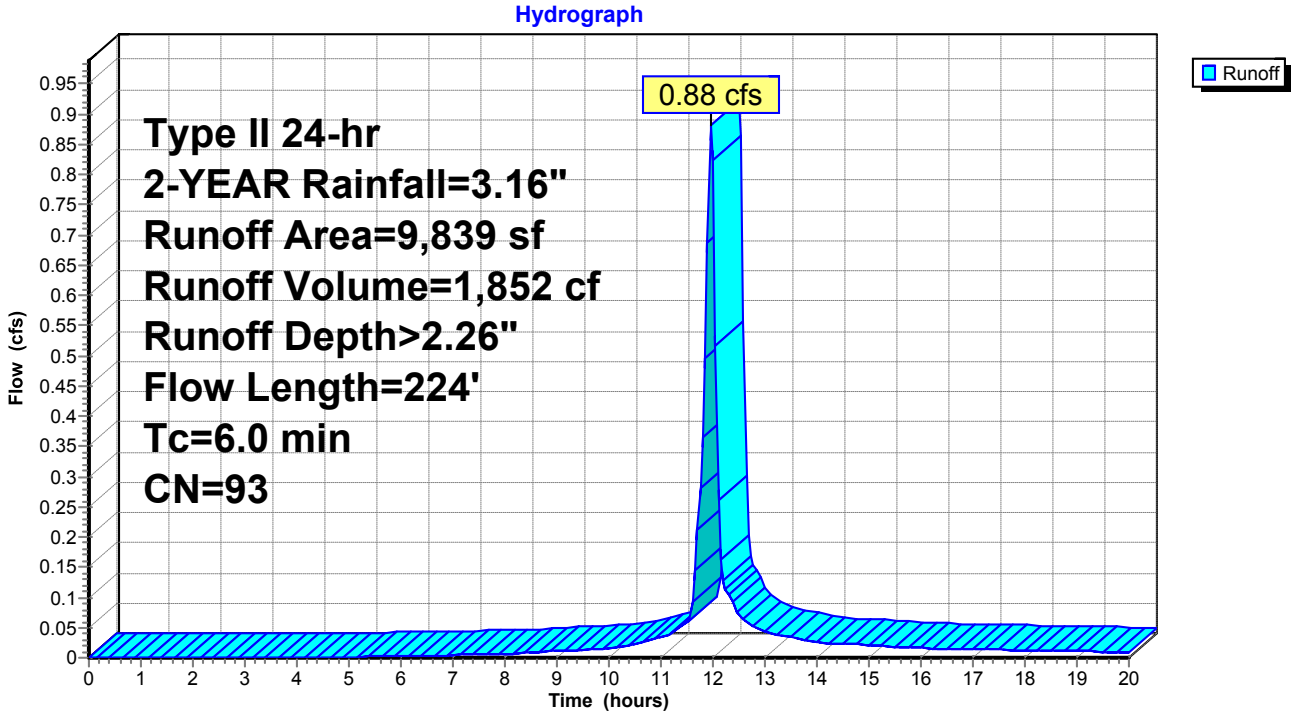
Runoff = 0.88 cfs @ 11.96 hrs, Volume= 1,852 cf, Depth> 2.26"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YEAR Rainfall=3.16"

| Area (sf) | CN | Description |
|---|---|---|
| 3,228 | 84 | 50-75% Grass cover, Fair, HSG D |
| 6,611 | 98 | Paved parking, HSG D |
| 9,839 | 93 | Weighted Average |
| 3,228 | | 32.81% Pervious Area |
| 6,611 | | 67.19% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 0.7 | 100 | 0.0920 | 2.52 | | **Sheet Flow, J-K** Smooth surfaces n= 0.011 P2= 3.16" |
| 0.5 | 124 | 0.0430 | 4.21 | | **Shallow Concentrated Flow, K-L** Paved Kv= 20.3 fps |
| 1.2 | 224 | Total, Increased to minimum Tc = 6.0 min | | | |

## Subcatchment DA-4: DA-4



## Summary for Subcatchment DA-5: DA-5

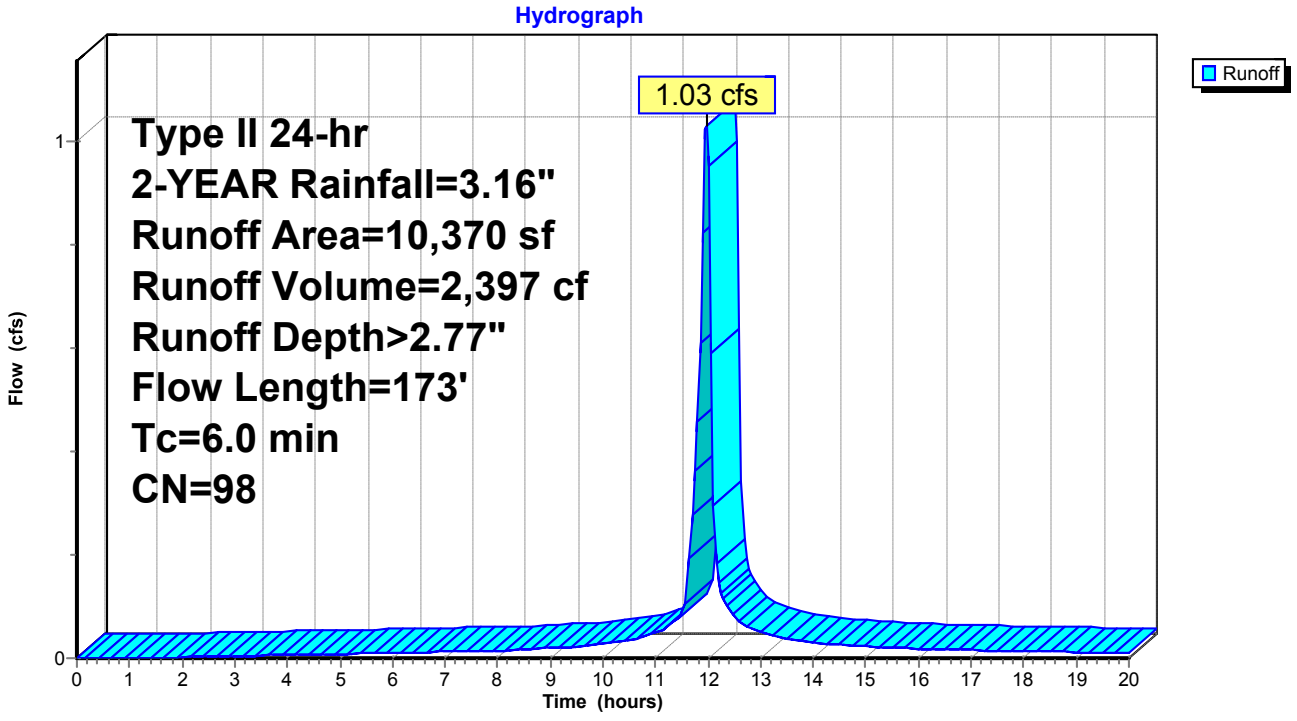
Runoff = 1.03 cfs @ 11.96 hrs, Volume= 2,397 cf, Depth> 2.77"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YEAR Rainfall=3.16"

| Area (sf) | CN | Description |
|---|---|---|
| 10,370 | 98 | Paved parking, HSG D |
| 10,370 | | 100.00% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 0.9 | 100 | 0.0490 | 1.96 | | **Sheet Flow, D-E** Smooth surfaces n= 0.011 P2= 3.16" |
| 0.3 | 73 | 0.0393 | 4.02 | | **Shallow Concentrated Flow, E-F** Paved Kv= 20.3 fps |
| 1.2 | 173 | Total, Increased to minimum Tc = 6.0 min | | | |

## Subcatchment DA-5: DA-5



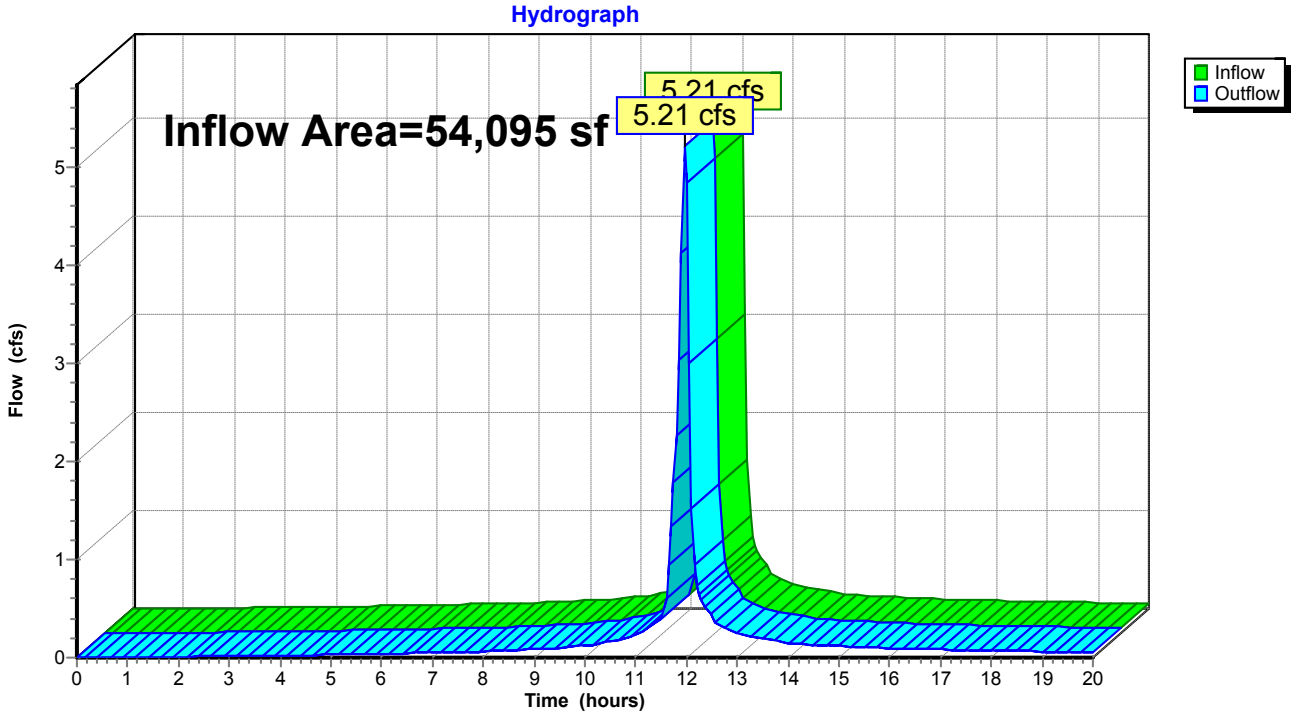
## Summary for Reach DP-1: DP-1

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area = 54,095 sf, 87.09% Impervious, Inflow Depth > 2.59" for 2-YEAR event
Inflow = 5.21 cfs @ 11.96 hrs, Volume= 11,688 cf
Outflow = 5.21 cfs @ 11.96 hrs, Volume= 11,688 cf, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs

### Reach DP-1: DP-1



## Summary for Pond 6P: EXISTING CATCH BASIN

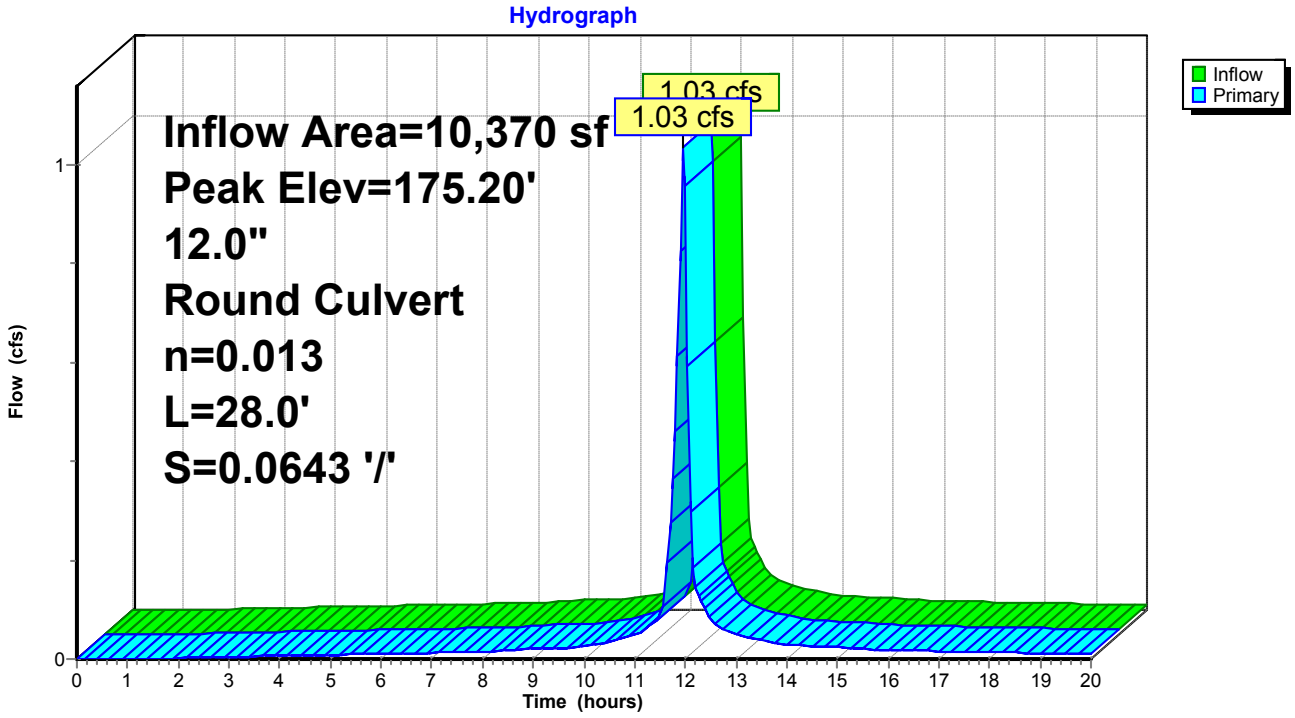
Inflow Area = 10,370 sf,100.00% Impervious, Inflow Depth > 2.77" for 2-YEAR event
Inflow = 1.03 cfs @ 11.96 hrs, Volume= 2,397 cf
Outflow = 1.03 cfs @ 11.96 hrs, Volume= 2,397 cf, Atten= 0%, Lag= 0.0 min
Primary = 1.03 cfs @ 11.96 hrs, Volume= 2,397 cf

Routing by Stor-Ind method, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 175.20' @ 11.96 hrs
Flood Elev= 176.23'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 174.60' | **12.0" Round Culvert**<br>L= 28.0' CPP, projecting, no headwall, Ke= 0.900<br>Inlet / Outlet Invert= 174.60' / 172.80' S= 0.0643 '/' Cc= 0.900<br>n= 0.013, Flow Area= 0.79 sf |

**Primary OutFlow** Max=1.01 cfs @ 11.96 hrs HW=175.19' (Free Discharge)
**1=Culvert** (Inlet Controls 1.01 cfs @ 2.07 fps)

## Pond 6P: EXISTING CATCH BASIN



## Summary for Pond 7P: EXISTING CATCH BASIN

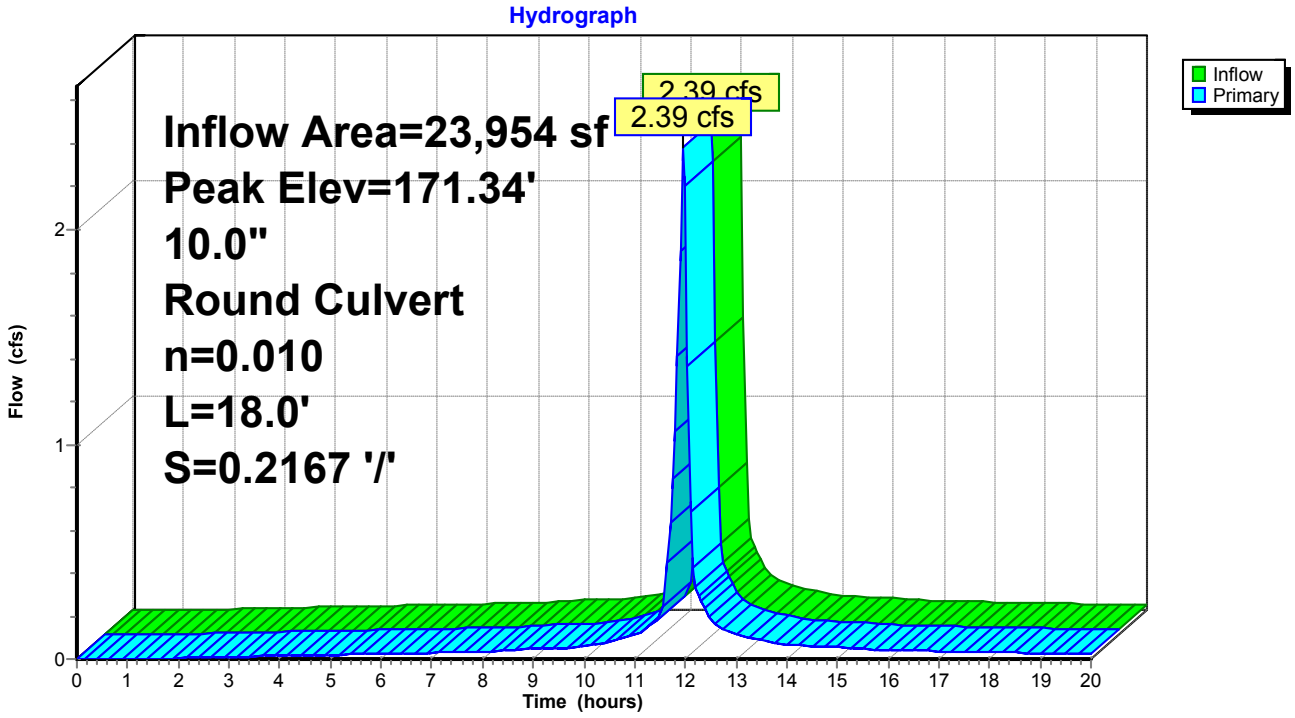
Inflow Area = 23,954 sf, 98.12% Impervious, Inflow Depth > 2.77" for 2-YEAR event
Inflow = 2.39 cfs @ 11.96 hrs, Volume= 5,537 cf
Outflow = 2.39 cfs @ 11.96 hrs, Volume= 5,537 cf, Atten= 0%, Lag= 0.0 min
Primary = 2.39 cfs @ 11.96 hrs, Volume= 5,537 cf

Routing by Stor-Ind method, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 171.34' @ 11.96 hrs
Flood Elev= 175.08'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 169.60' | **10.0" Round Culvert**<br>L= 18.0' CPP, projecting, no headwall, Ke= 0.900<br>Inlet / Outlet Invert= 169.60' / 165.70' S= 0.2167 '/' Cc= 0.900<br>n= 0.010, Flow Area= 0.55 sf |

**Primary OutFlow** Max=2.33 cfs @ 11.96 hrs HW=171.28' (Free Discharge)
**1=Culvert** (Inlet Controls 2.33 cfs @ 4.28 fps)

## Pond 7P: EXISTING CATCH BASIN



## Summary for Pond 8P: EXISTING CATCH BASIN

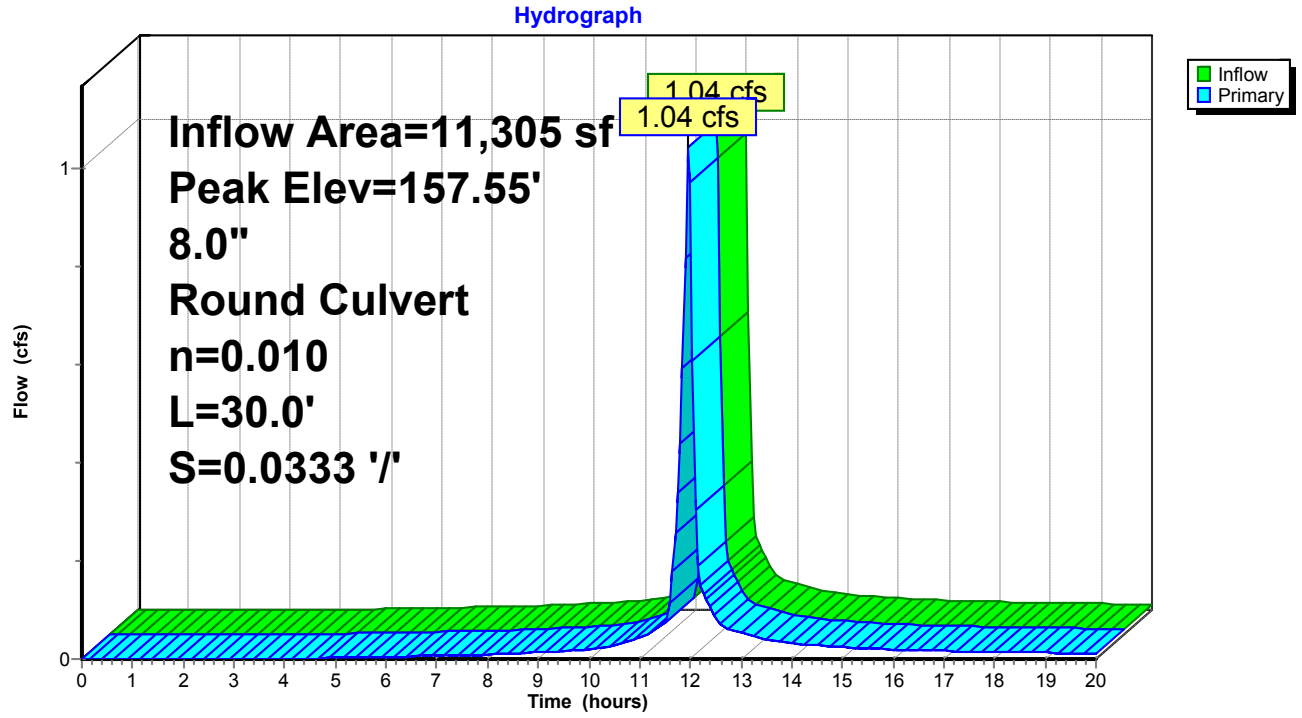
Inflow Area = 11,305 sf, 70.74% Impervious, Inflow Depth > 2.36" for 2-YEAR event
Inflow = 1.04 cfs @ 11.96 hrs, Volume= 2,219 cf
Outflow = 1.04 cfs @ 11.96 hrs, Volume= 2,219 cf, Atten= 0%, Lag= 0.0 min
Primary = 1.04 cfs @ 11.96 hrs, Volume= 2,219 cf

Routing by Stor-Ind method, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 157.55' @ 11.96 hrs
Flood Elev= 159.91'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 156.60' | **8.0" Round Culvert**<br>L= 30.0' CPP, projecting, no headwall, Ke= 0.900<br>Inlet / Outlet Invert= 156.60' / 155.60' S= 0.0333 '/' Cc= 0.900<br>n= 0.010 PVC, smooth interior, Flow Area= 0.35 sf |

**Primary OutFlow** Max=1.01 cfs @ 11.96 hrs HW=157.52' (Free Discharge)
**1=Culvert** (Inlet Controls 1.01 cfs @ 2.91 fps)

## Pond 8P: EXISTING CATCH BASIN



## Summary for Pond EX-CB: EXISTING CATCH BASIN

[81] Warning: Exceeded Pond 8P by 0.35' @ 11.95 hrs

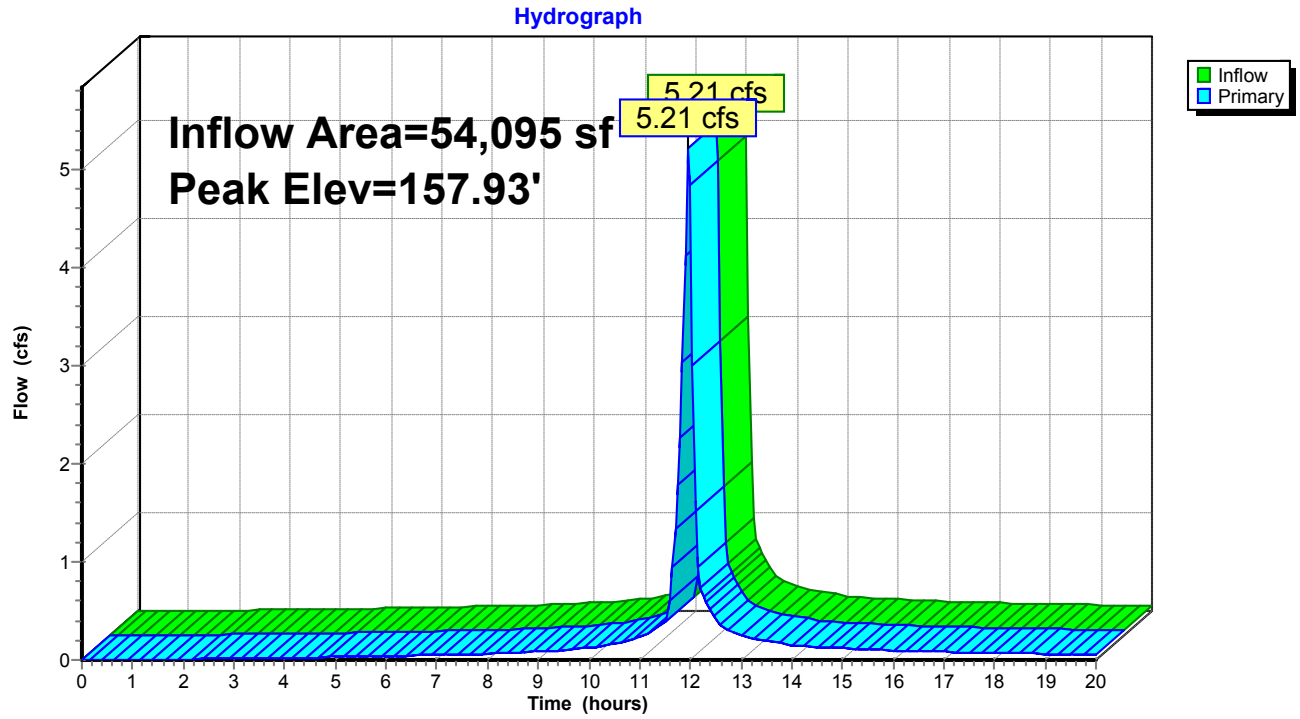
Inflow Area = 54,095 sf, 87.09% Impervious, Inflow Depth > 2.59" for 2-YEAR event
Inflow = 5.21 cfs @ 11.96 hrs, Volume= 11,688 cf
Outflow = 5.21 cfs @ 11.96 hrs, Volume= 11,688 cf, Atten= 0%, Lag= 0.0 min
Primary = 5.21 cfs @ 11.96 hrs, Volume= 11,688 cf

Routing by Stor-Ind method, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 157.93' @ 11.96 hrs
Flood Elev= 157.95'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 154.40' | **12.0" Round Culvert**<br>L= 26.0' CPP, projecting, no headwall, Ke= 0.900<br>Inlet / Outlet Invert= 154.40' / 153.50' S= 0.0346 '/' Cc= 0.900<br>n= 0.010, Flow Area= 0.79 sf |
| #2 | Primary | 157.95' | **3.0' long x 3.0' breadth Broad-Crested Rectangular Weir**<br>Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50<br>Coef. (English) 2.44 2.58 2.68 2.67 2.65 2.64 2.64 2.68 2.68 2.72 2.81 2.92 2.97 3.07 3.32 |

**Primary OutFlow** Max=5.08 cfs @ 11.96 hrs HW=157.80' (Free Discharge)
└**1=Culvert** (Inlet Controls 5.08 cfs @ 6.47 fps)
└**2=Broad-Crested Rectangular Weir** ( Controls 0.00 cfs)

## Pond EX-CB: EXISTING CATCH BASIN

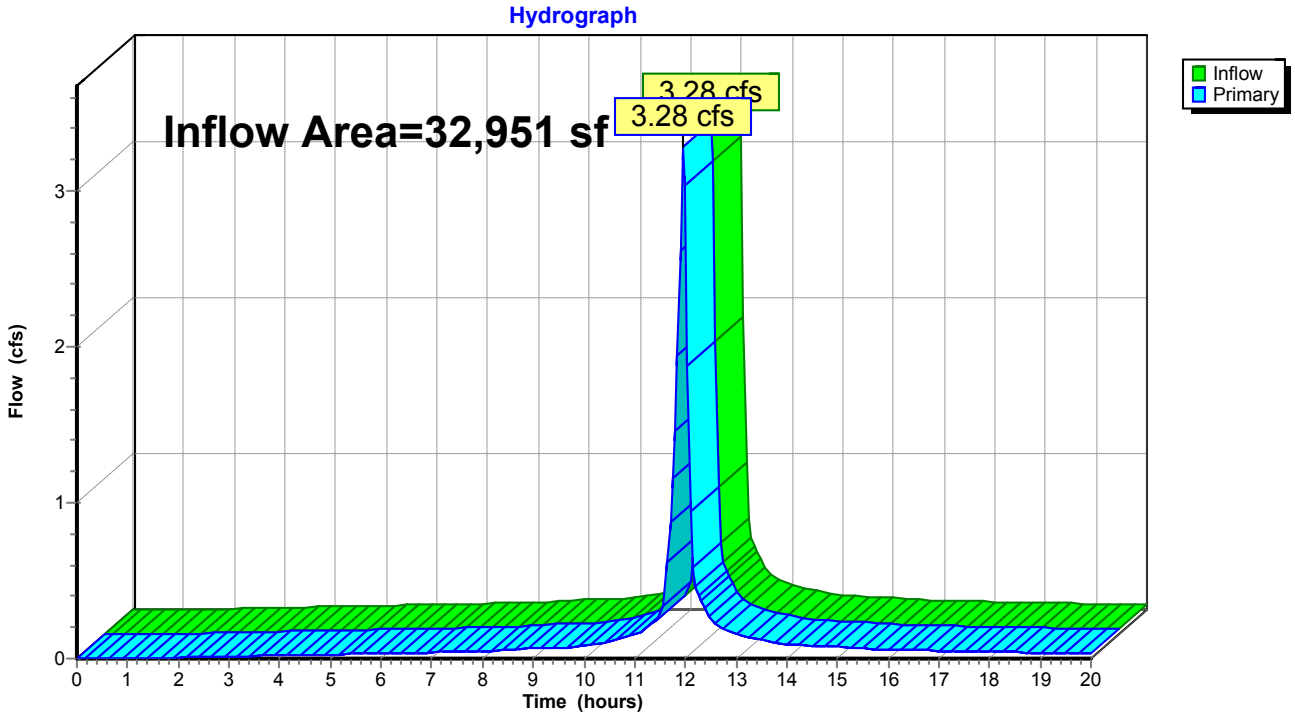


## Summary for Link 3L: OVERLAND FLOW

Inflow Area = 32,951 sf, 98.63% Impervious, Inflow Depth > 2.77" for 2-YEAR event
Inflow = 3.28 cfs @ 11.96 hrs, Volume= 7,617 cf
Primary = 3.28 cfs @ 11.96 hrs, Volume= 7,617 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs

## Link 3L: OVERLAND FLOW



Time span=0.00-20.00 hrs, dt=0.05 hrs, 401 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

**Subcatchment DA-1: DA-1** Runoff Area=13,584 sf 96.69% Impervious Runoff Depth>4.22"
Flow Length=213' Tc=6.0 min CN=98 Runoff=2.02 cfs 4,772 cf

**Subcatchment DA-2: DA-2** Runoff Area=8,997 sf 100.00% Impervious Runoff Depth>4.22"
Tc=6.0 min CN=98 Runoff=1.34 cfs 3,160 cf

**Subcatchment DA-3: DA-3** Runoff Area=11,305 sf 70.74% Impervious Runoff Depth>3.77"
Flow Length=201' Tc=6.0 min CN=94 Runoff=1.61 cfs 3,549 cf

**Subcatchment DA-4: DA-4** Runoff Area=9,839 sf 67.19% Impervious Runoff Depth>3.66"
Flow Length=224' Tc=6.0 min CN=93 Runoff=1.38 cfs 3,001 cf

**Subcatchment DA-5: DA-5** Runoff Area=10,370 sf 100.00% Impervious Runoff Depth>4.22"
Flow Length=173' Tc=6.0 min CN=98 Runoff=1.54 cfs 3,643 cf

**Reach DP-1: DP-1** Inflow=7.89 cfs 18,125 cf
Outflow=7.89 cfs 18,125 cf

**Pond 6P: EXISTING CATCH BASIN** Peak Elev=175.37' Inflow=1.54 cfs 3,643 cf
12.0" Round Culvert n=0.013 L=28.0' S=0.0643 '/' Outflow=1.54 cfs 3,643 cf

**Pond 7P: EXISTING CATCH BASIN** Peak Elev=172.96' Inflow=3.56 cfs 8,414 cf
10.0" Round Culvert n=0.010 L=18.0' S=0.2167 '/' Outflow=3.56 cfs 8,414 cf

**Pond 8P: EXISTING CATCH BASIN** Peak Elev=158.40' Inflow=1.61 cfs 3,549 cf
8.0" Round Culvert n=0.010 L=30.0' S=0.0333 '/' Outflow=1.61 cfs 3,549 cf

**Pond EX-CB: EXISTING CATCH BASIN** Peak Elev=158.40' Inflow=7.89 cfs 18,125 cf
Outflow=7.89 cfs 18,125 cf

**Link 3L: OVERLAND FLOW** Inflow=4.90 cfs 11,575 cf
Primary=4.90 cfs 11,575 cf

**Total Runoff Area = 54,095 sf Runoff Volume = 18,125 cf Average Runoff Depth = 4.02"**
**12.91% Pervious = 6,986 sf 87.09% Impervious = 47,109 sf**

## Summary for Subcatchment DA-1: DA-1

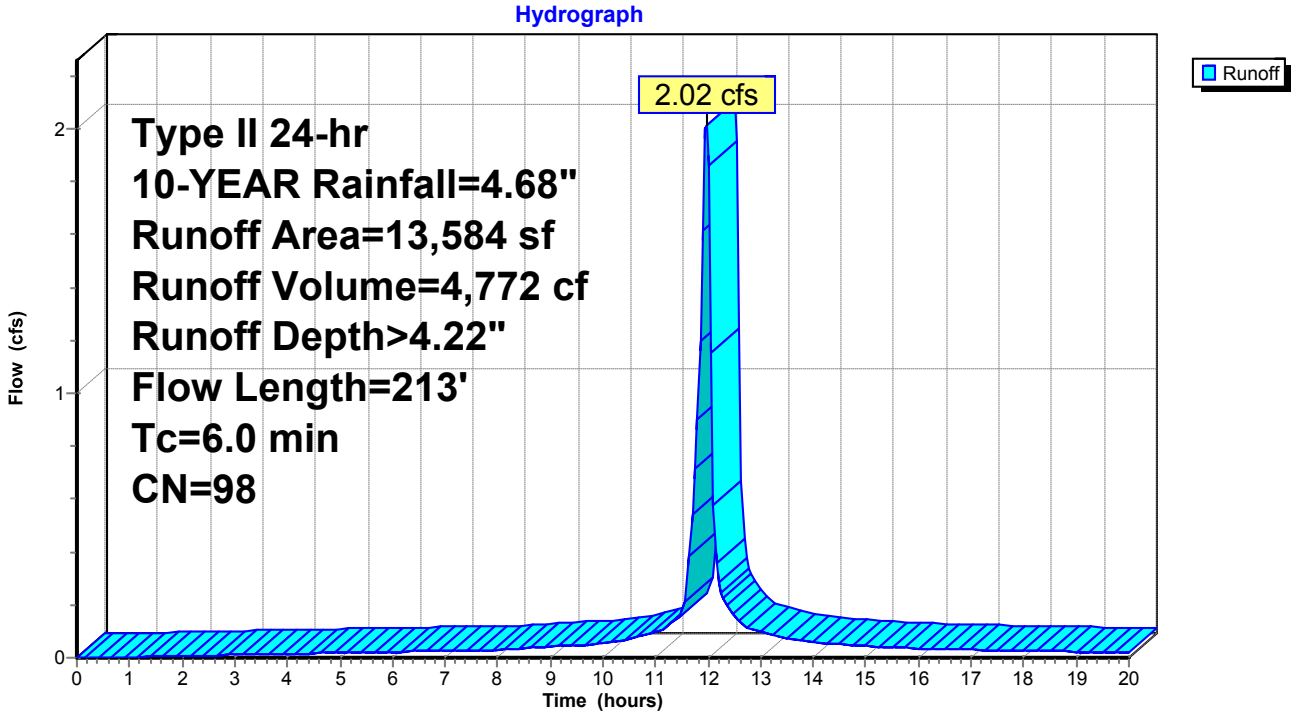
Runoff = 2.02 cfs @ 11.96 hrs, Volume= 4,772 cf, Depth> 4.22"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YEAR Rainfall=4.68"

| Area (sf) | CN | Description |
|---|---|---|
| 450 | 84 | 50-75% Grass cover, Fair, HSG D |
| 13,134 | 98 | Paved parking, HSG D |
| 13,584 | 98 | Weighted Average |
| 450 | | 3.31% Pervious Area |
| 13,134 | | 96.69% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 0.9 | 100 | 0.0392 | 1.79 | | **Sheet Flow, A-B** Smooth surfaces n= 0.011 P2= 3.16" |
| 0.4 | 113 | 0.0465 | 4.38 | | **Shallow Concentrated Flow, B-C** Paved Kv= 20.3 fps |
| 1.3 | 213 | Total, Increased to minimum Tc = 6.0 min | | | |

## Subcatchment DA-1: DA-1



## Summary for Subcatchment DA-2: DA-2

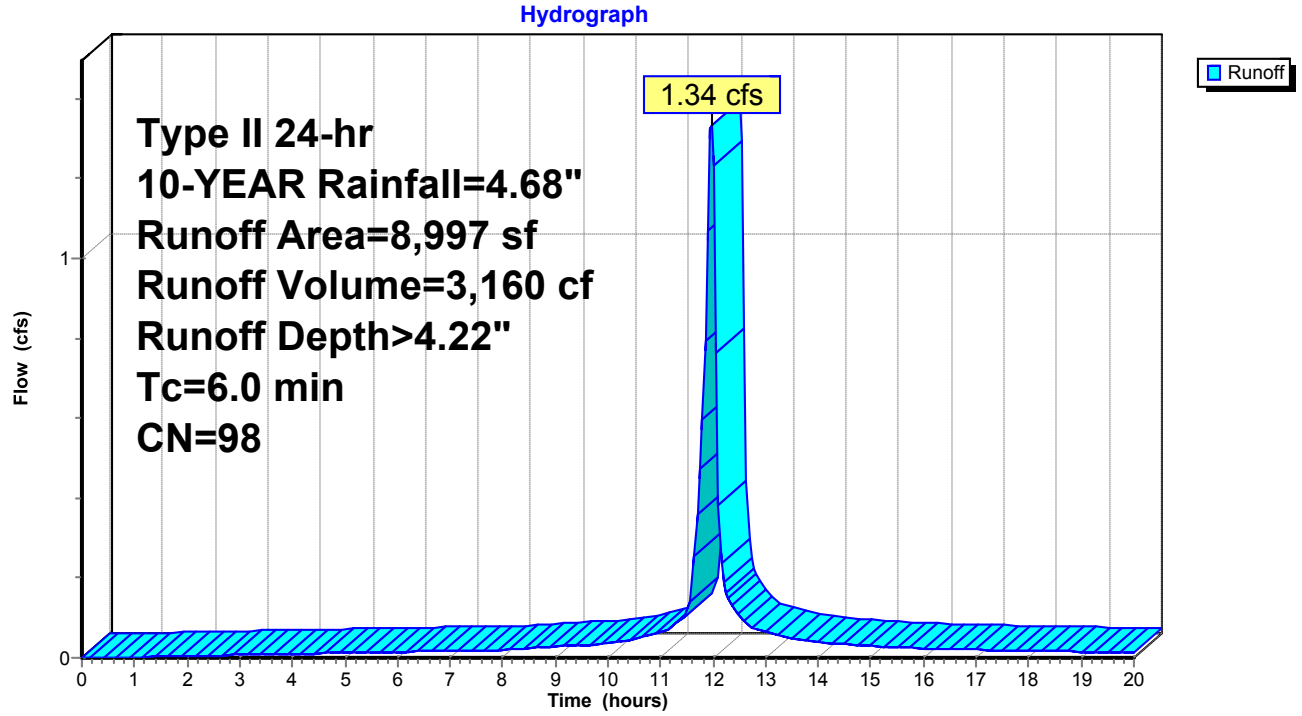
Runoff = 1.34 cfs @ 11.96 hrs, Volume= 3,160 cf, Depth> 4.22"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YEAR Rainfall=4.68"

| Area (sf) | CN | Description |
|---|---|---|
| 8,997 | 98 | Roofs, HSG D |
| 8,997 | | 100.00% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 6.0 | | | | | **Direct Entry,** |

## Subcatchment DA-2: DA-2



## Summary for Subcatchment DA-3: DA-3

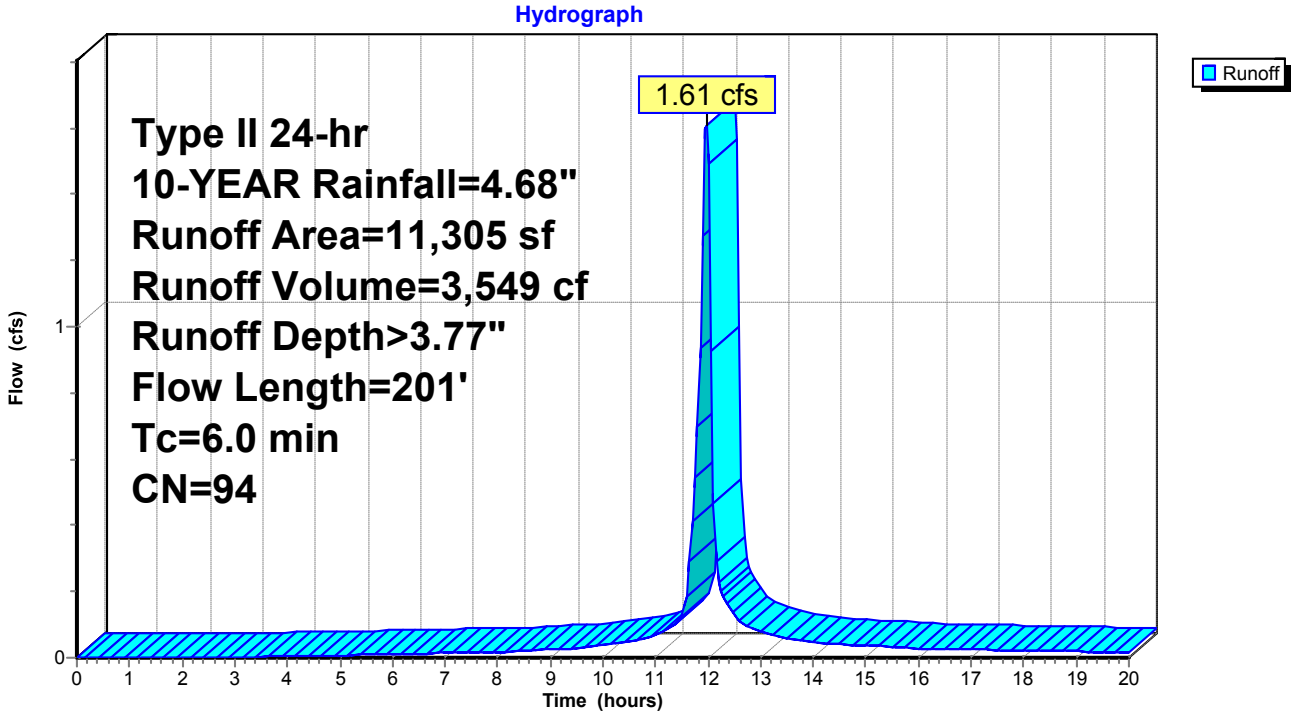
Runoff = 1.61 cfs @ 11.96 hrs, Volume= 3,549 cf, Depth> 3.77"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YEAR Rainfall=4.68"

| Area (sf) | CN | Description |
|---|---|---|
| 3,308 | 84 | 50-75% Grass cover, Fair, HSG D |
| 7,997 | 98 | Paved parking, HSG D |
| 11,305 | 94 | Weighted Average |
| 3,308 | | 29.26% Pervious Area |
| 7,997 | | 70.74% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 1.1 | 26 | 0.3120 | 0.39 | | **Sheet Flow, G-H** Grass: Short n= 0.150 P2= 3.16" |
| 0.5 | 175 | 0.0690 | 5.33 | | **Shallow Concentrated Flow, H-I** Paved Kv= 20.3 fps |
| 1.6 | 201 | Total, Increased to minimum Tc = 6.0 min | | | |

## Subcatchment DA-3: DA-3



## Summary for Subcatchment DA-4: DA-4

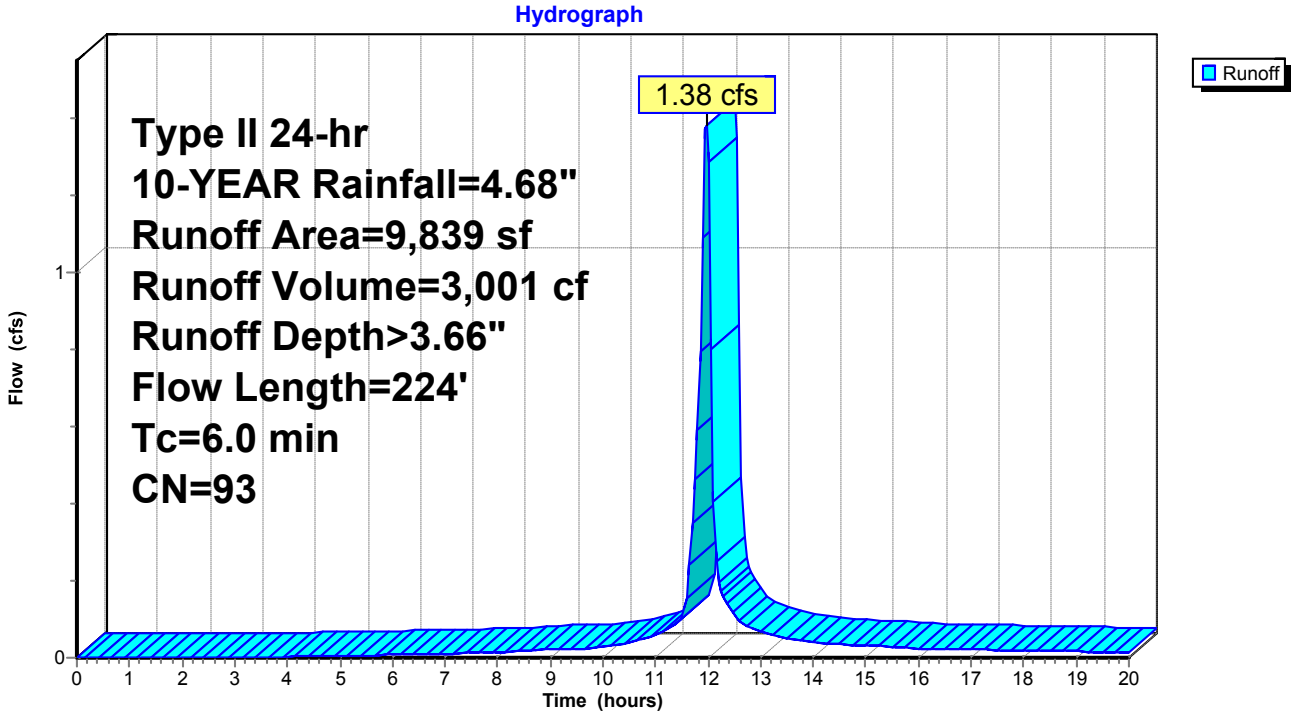
Runoff = 1.38 cfs @ 11.96 hrs, Volume= 3,001 cf, Depth> 3.66"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YEAR Rainfall=4.68"

| Area (sf) | CN | Description |
|---|---|---|
| 3,228 | 84 | 50-75% Grass cover, Fair, HSG D |
| 6,611 | 98 | Paved parking, HSG D |
| 9,839 | 93 | Weighted Average |
| 3,228 | | 32.81% Pervious Area |
| 6,611 | | 67.19% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 0.7 | 100 | 0.0920 | 2.52 | | **Sheet Flow, J-K** Smooth surfaces n= 0.011 P2= 3.16" |
| 0.5 | 124 | 0.0430 | 4.21 | | **Shallow Concentrated Flow, K-L** Paved Kv= 20.3 fps |
| 1.2 | 224 | Total, Increased to minimum Tc = 6.0 min | | | |

## Subcatchment DA-4: DA-4



## Summary for Subcatchment DA-5: DA-5

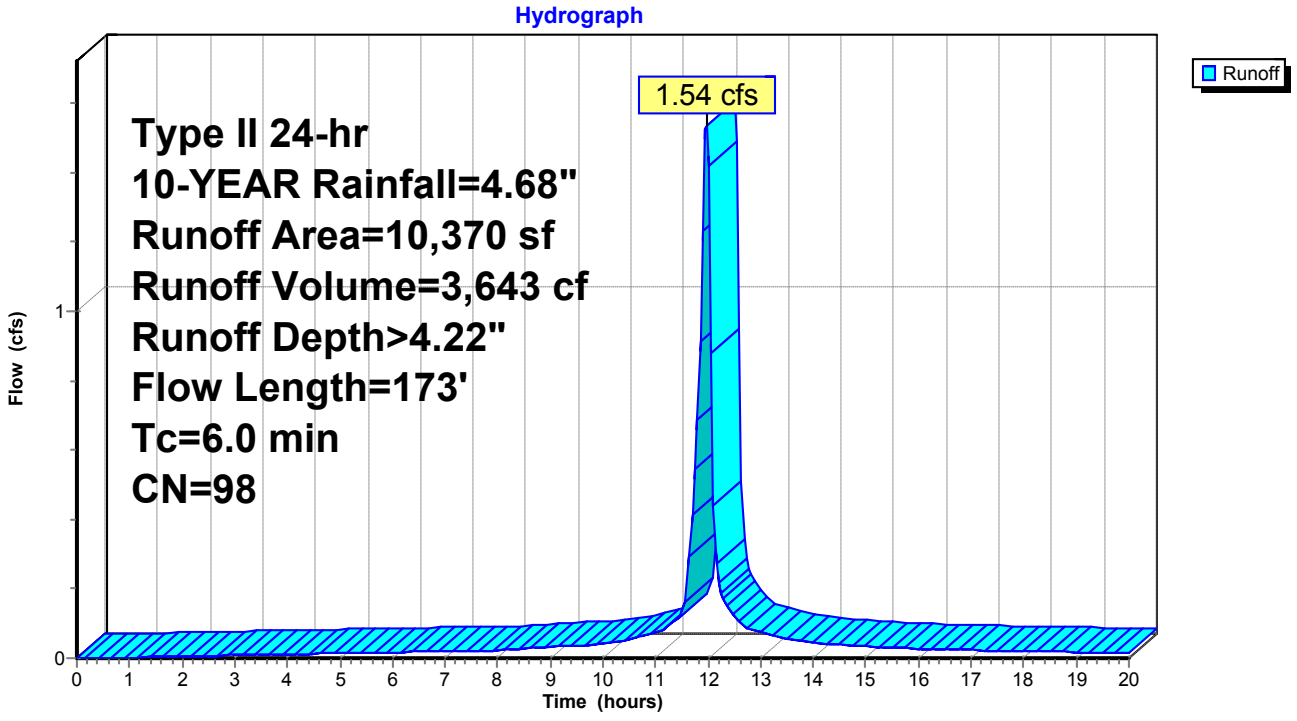
Runoff = 1.54 cfs @ 11.96 hrs, Volume= 3,643 cf, Depth> 4.22"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YEAR Rainfall=4.68"

| Area (sf) | CN | Description |
|---|---|---|
| 10,370 | 98 | Paved parking, HSG D |
| 10,370 | | 100.00% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 0.9 | 100 | 0.0490 | 1.96 | | **Sheet Flow, D-E** Smooth surfaces n= 0.011 P2= 3.16" |
| 0.3 | 73 | 0.0393 | 4.02 | | **Shallow Concentrated Flow, E-F** Paved Kv= 20.3 fps |
| 1.2 | 173 | Total, Increased to minimum Tc = 6.0 min | | | |

## Subcatchment DA-5: DA-5



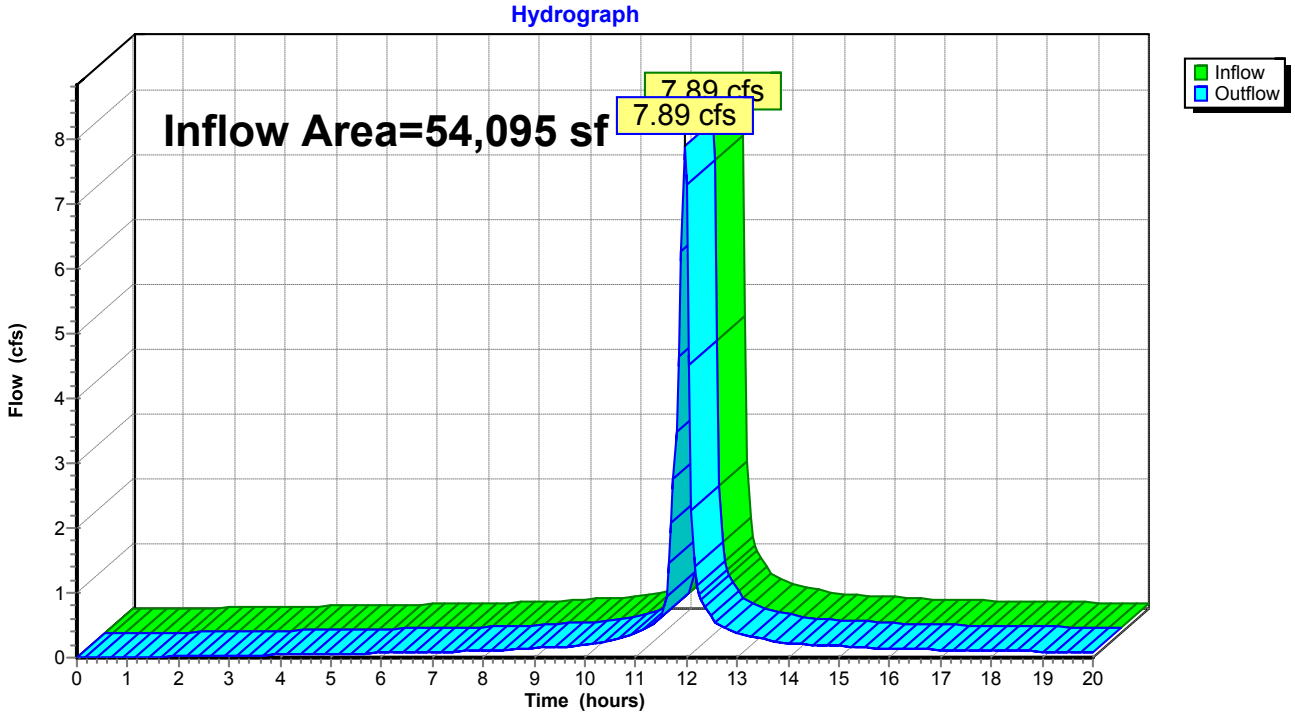
## Summary for Reach DP-1: DP-1

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area = 54,095 sf, 87.09% Impervious, Inflow Depth > 4.02" for 10-YEAR event
Inflow = 7.89 cfs @ 11.96 hrs, Volume= 18,125 cf
Outflow = 7.89 cfs @ 11.96 hrs, Volume= 18,125 cf, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs

### Reach DP-1: DP-1



## Summary for Pond 6P: EXISTING CATCH BASIN

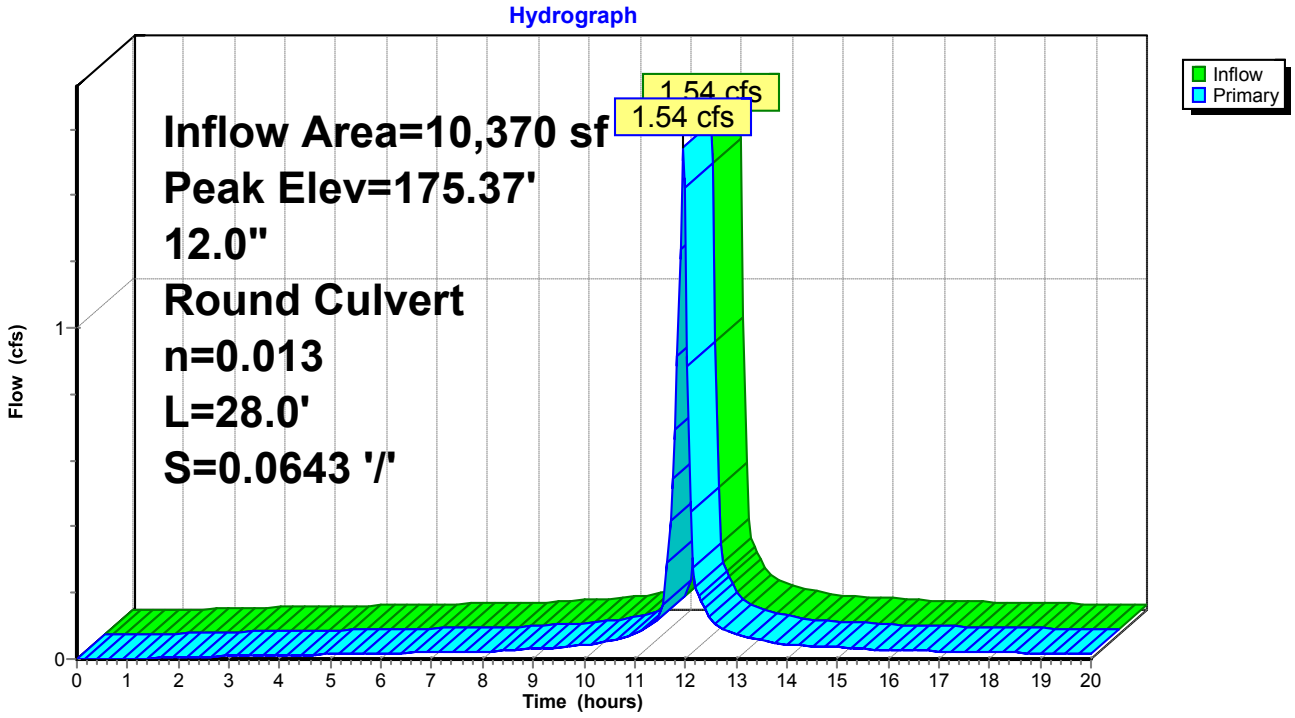
Inflow Area = 10,370 sf,100.00% Impervious, Inflow Depth > 4.22" for 10-YEAR event
Inflow = 1.54 cfs @ 11.96 hrs, Volume= 3,643 cf
Outflow = 1.54 cfs @ 11.96 hrs, Volume= 3,643 cf, Atten= 0%, Lag= 0.0 min
Primary = 1.54 cfs @ 11.96 hrs, Volume= 3,643 cf

Routing by Stor-Ind method, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 175.37' @ 11.96 hrs
Flood Elev= 176.23'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 174.60' | **12.0" Round Culvert**<br>L= 28.0' CPP, projecting, no headwall, Ke= 0.900<br>Inlet / Outlet Invert= 174.60' / 172.80' S= 0.0643 '/' Cc= 0.900<br>n= 0.013, Flow Area= 0.79 sf |

**Primary OutFlow** Max=1.51 cfs @ 11.96 hrs HW=175.36' (Free Discharge)
**1=Culvert** (Inlet Controls 1.51 cfs @ 2.35 fps)

## Pond 6P: EXISTING CATCH BASIN



## Summary for Pond 7P: EXISTING CATCH BASIN

[79] Warning: Submerged Pond 6P Primary device # 1 OUTLET by 0.12'

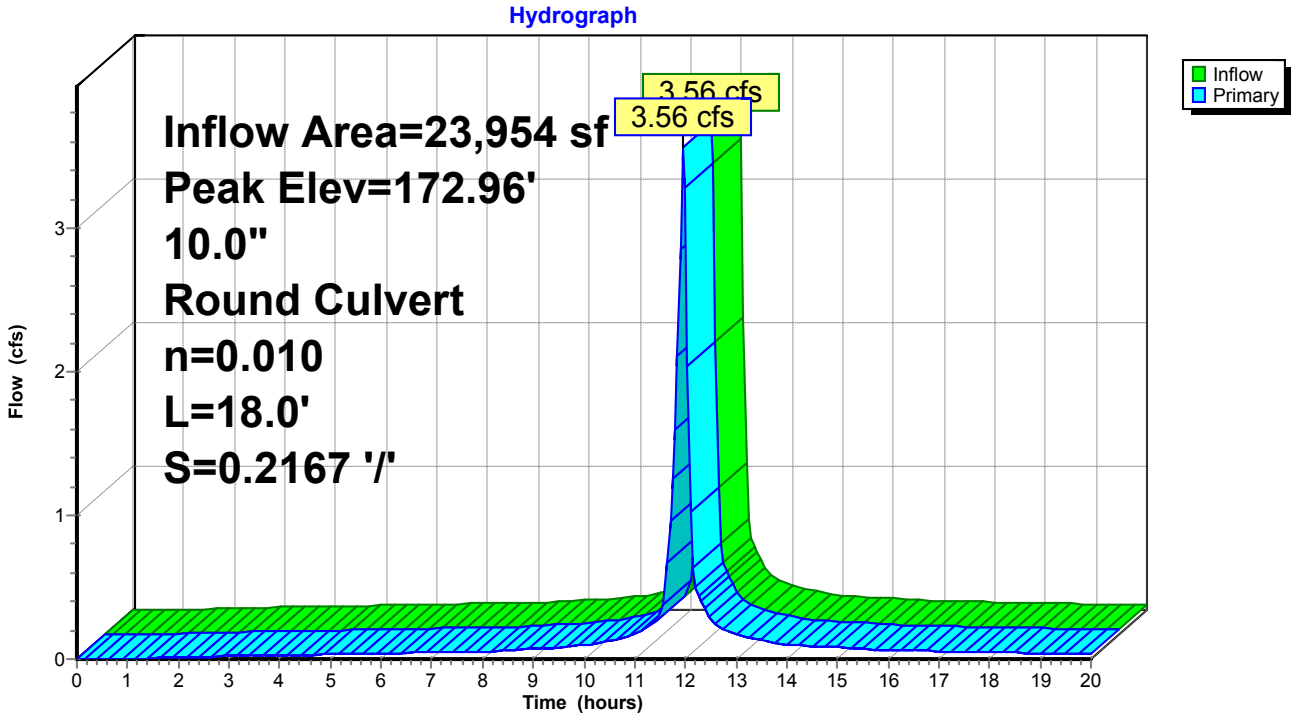
Inflow Area = 23,954 sf, 98.12% Impervious, Inflow Depth > 4.22" for 10-YEAR event
Inflow = 3.56 cfs @ 11.96 hrs, Volume= 8,414 cf
Outflow = 3.56 cfs @ 11.96 hrs, Volume= 8,414 cf, Atten= 0%, Lag= 0.0 min
Primary = 3.56 cfs @ 11.96 hrs, Volume= 8,414 cf

Routing by Stor-Ind method, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 172.96' @ 11.96 hrs
Flood Elev= 175.08'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 169.60' | **10.0" Round Culvert**<br>L= 18.0' CPP, projecting, no headwall, Ke= 0.900<br>Inlet / Outlet Invert= 169.60' / 165.70' S= 0.2167 '/' Cc= 0.900<br>n= 0.010, Flow Area= 0.55 sf |

**Primary OutFlow** Max=3.48 cfs @ 11.96 hrs HW=172.83' (Free Discharge)
**1=Culvert** (Inlet Controls 3.48 cfs @ 6.38 fps)

## Pond 7P: EXISTING CATCH BASIN



## Summary for Pond 8P: EXISTING CATCH BASIN

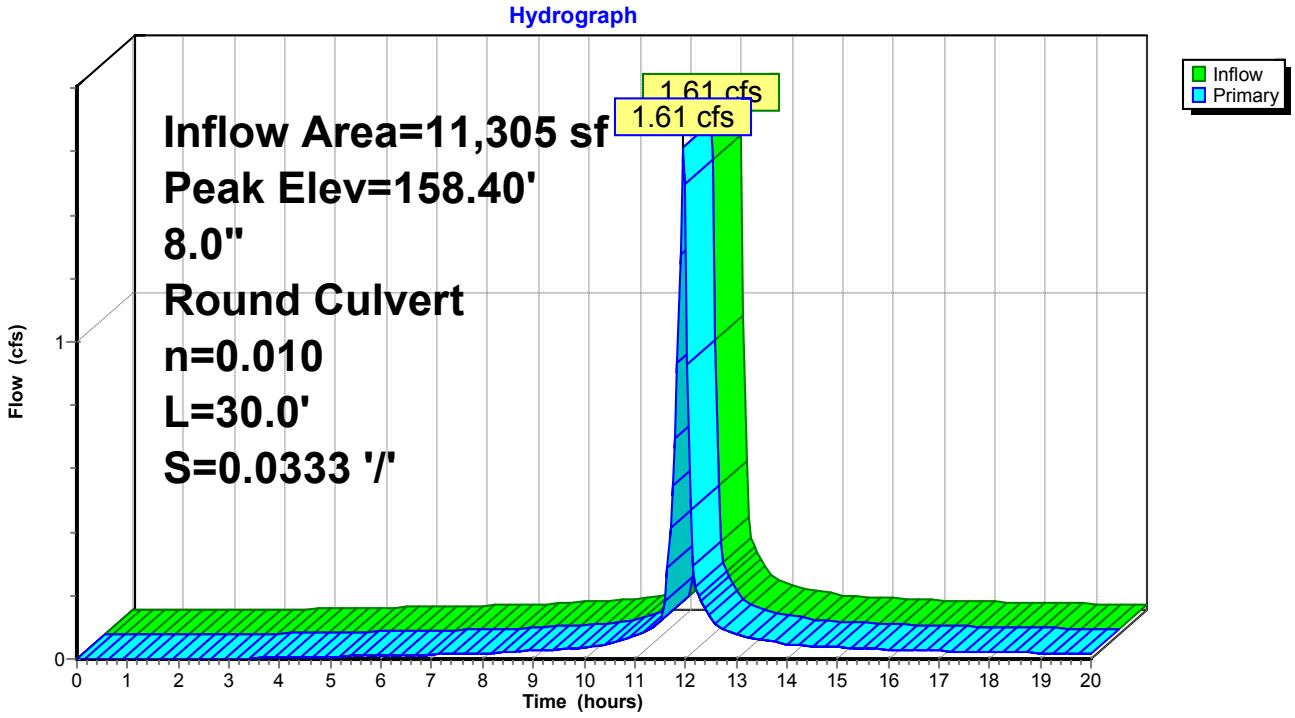
Inflow Area = 11,305 sf, 70.74% Impervious, Inflow Depth > 3.77" for 10-YEAR event
Inflow = 1.61 cfs @ 11.96 hrs, Volume= 3,549 cf
Outflow = 1.61 cfs @ 11.96 hrs, Volume= 3,549 cf, Atten= 0%, Lag= 0.0 min
Primary = 1.61 cfs @ 11.96 hrs, Volume= 3,549 cf

Routing by Stor-Ind method, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 158.40' @ 11.96 hrs
Flood Elev= 159.91'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 156.60' | **8.0" Round Culvert**<br>L= 30.0' CPP, projecting, no headwall, Ke= 0.900<br>Inlet / Outlet Invert= 156.60' / 155.60' S= 0.0333 '/' Cc= 0.900<br>n= 0.010 PVC, smooth interior, Flow Area= 0.35 sf |

**Primary OutFlow** Max=1.57 cfs @ 11.96 hrs HW=158.34' (Free Discharge)
**1=Culvert** (Inlet Controls 1.57 cfs @ 4.50 fps)

## Pond 8P: EXISTING CATCH BASIN



## Summary for Pond EX-CB: EXISTING CATCH BASIN

[58] Hint: Peaked 0.45' above defined flood level
[81] Warning: Exceeded Pond 8P by 0.33' @ 11.90 hrs

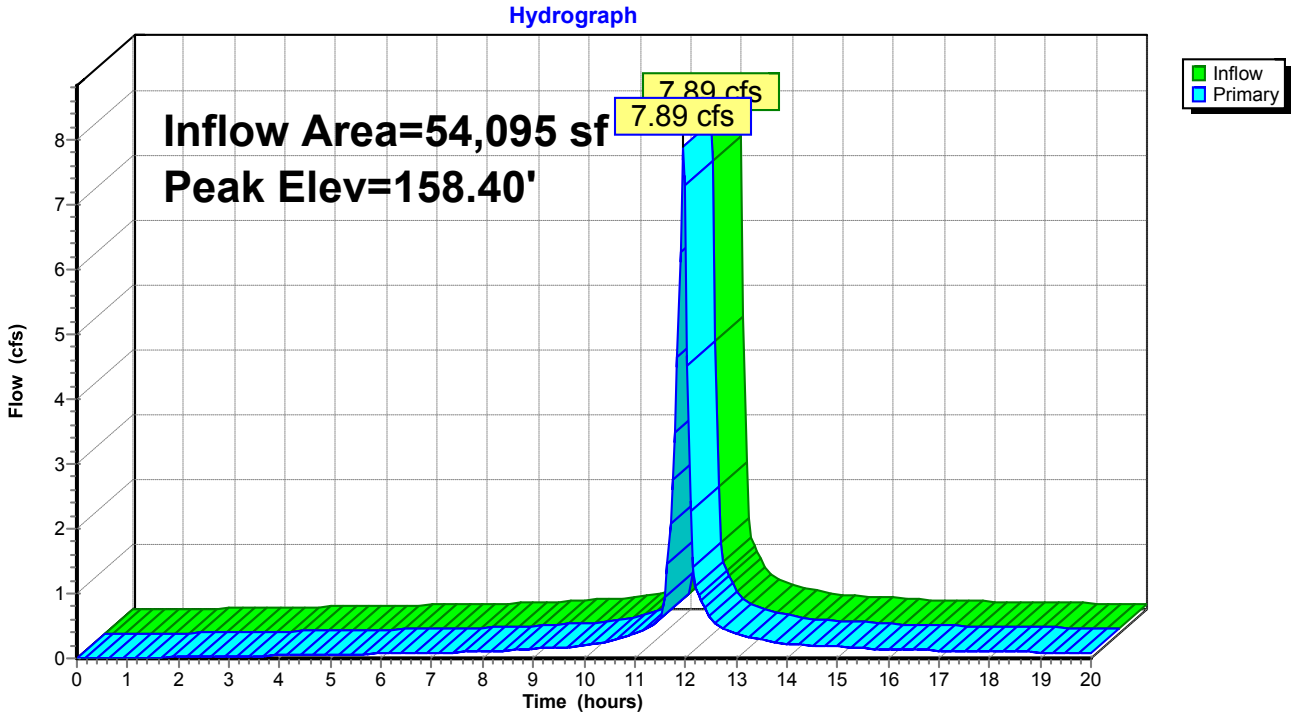
Inflow Area = 54,095 sf, 87.09% Impervious, Inflow Depth > 4.02" for 10-YEAR event
Inflow = 7.89 cfs @ 11.96 hrs, Volume= 18,125 cf
Outflow = 7.89 cfs @ 11.96 hrs, Volume= 18,125 cf, Atten= 0%, Lag= 0.0 min
Primary = 7.89 cfs @ 11.96 hrs, Volume= 18,125 cf

Routing by Stor-Ind method, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 158.40' @ 11.96 hrs
Flood Elev= 157.95'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 154.40' | **12.0" Round Culvert**<br>L= 26.0' CPP, projecting, no headwall, Ke= 0.900<br>Inlet / Outlet Invert= 154.40' / 153.50' S= 0.0346 '/' Cc= 0.900<br>n= 0.010, Flow Area= 0.79 sf |
| #2 | Primary | 157.95' | **3.0' long x 3.0' breadth Broad-Crested Rectangular Weir**<br>Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50<br>Coef. (English) 2.44 2.58 2.68 2.67 2.65 2.64 2.64 2.68 2.68 2.72 2.81 2.92 2.97 3.07 3.32 |

**Primary OutFlow** Max=7.69 cfs @ 11.96 hrs HW=158.37' (Free Discharge)
**1=Culvert** (Inlet Controls 5.56 cfs @ 7.08 fps)
**2=Broad-Crested Rectangular Weir** (Weir Controls 2.13 cfs @ 1.68 fps)

## Pond EX-CB: EXISTING CATCH BASIN

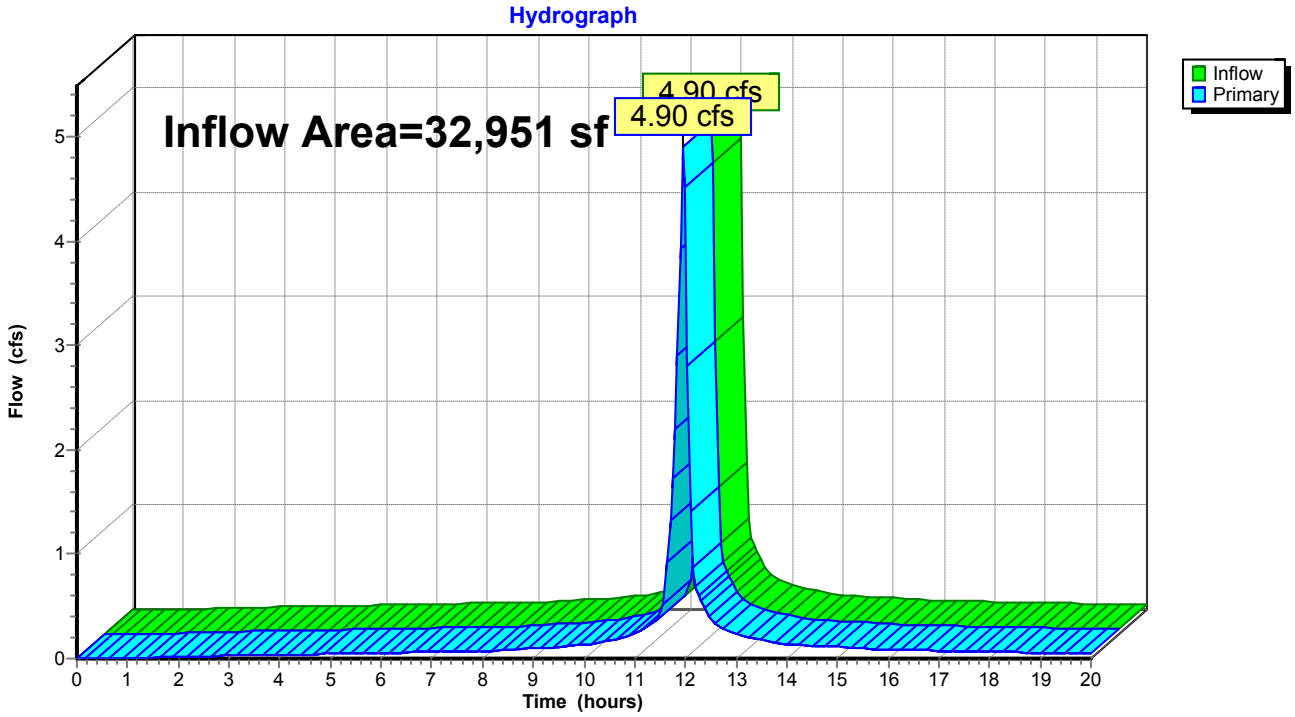


## Summary for Link 3L: OVERLAND FLOW

Inflow Area = 32,951 sf, 98.63% Impervious, Inflow Depth > 4.22" for 10-YEAR event
Inflow = 4.90 cfs @ 11.96 hrs, Volume= 11,575 cf
Primary = 4.90 cfs @ 11.96 hrs, Volume= 11,575 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs

## Link 3L: OVERLAND FLOW



Time span=0.00-20.00 hrs, dt=0.05 hrs, 401 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

**Subcatchment DA-1: DA-1** Runoff Area=13,584 sf 96.69% Impervious Runoff Depth>7.59"
Flow Length=213' Tc=6.0 min CN=98 Runoff=3.56 cfs 8,590 cf

**Subcatchment DA-2: DA-2** Runoff Area=8,997 sf 100.00% Impervious Runoff Depth>7.59"
Tc=6.0 min CN=98 Runoff=2.36 cfs 5,689 cf

**Subcatchment DA-3: DA-3** Runoff Area=11,305 sf 70.74% Impervious Runoff Depth>7.11"
Flow Length=201' Tc=6.0 min CN=94 Runoff=2.92 cfs 6,699 cf

**Subcatchment DA-4: DA-4** Runoff Area=9,839 sf 67.19% Impervious Runoff Depth>6.99"
Flow Length=224' Tc=6.0 min CN=93 Runoff=2.53 cfs 5,733 cf

**Subcatchment DA-5: DA-5** Runoff Area=10,370 sf 100.00% Impervious Runoff Depth>7.59"
Flow Length=173' Tc=6.0 min CN=98 Runoff=2.72 cfs 6,557 cf

**Reach DP-1: DP-1** Inflow=14.09 cfs 33,267 cf
Outflow=14.09 cfs 33,267 cf

**Pond 6P: EXISTING CATCH BASIN** Peak Elev=175.93' Inflow=2.72 cfs 6,557 cf
12.0" Round Culvert n=0.013 L=28.0' S=0.0643 '/' Outflow=2.72 cfs 6,557 cf

**Pond 7P: EXISTING CATCH BASIN** Peak Elev=179.19' Inflow=6.29 cfs 15,147 cf
10.0" Round Culvert n=0.010 L=18.0' S=0.2167 '/' Outflow=6.29 cfs 15,147 cf

**Pond 8P: EXISTING CATCH BASIN** Peak Elev=161.76' Inflow=2.92 cfs 6,699 cf
8.0" Round Culvert n=0.010 L=30.0' S=0.0333 '/' Outflow=2.92 cfs 6,699 cf

**Pond EX-CB: EXISTING CATCH BASIN** Peak Elev=158.96' Inflow=14.09 cfs 33,267 cf
Outflow=14.09 cfs 33,267 cf

**Link 3L: OVERLAND FLOW** Inflow=8.65 cfs 20,836 cf
Primary=8.65 cfs 20,836 cf

**Total Runoff Area = 54,095 sf Runoff Volume = 33,267 cf Average Runoff Depth = 7.38"**
**12.91% Pervious = 6,986 sf 87.09% Impervious = 47,109 sf**

## Summary for Subcatchment DA-1: DA-1

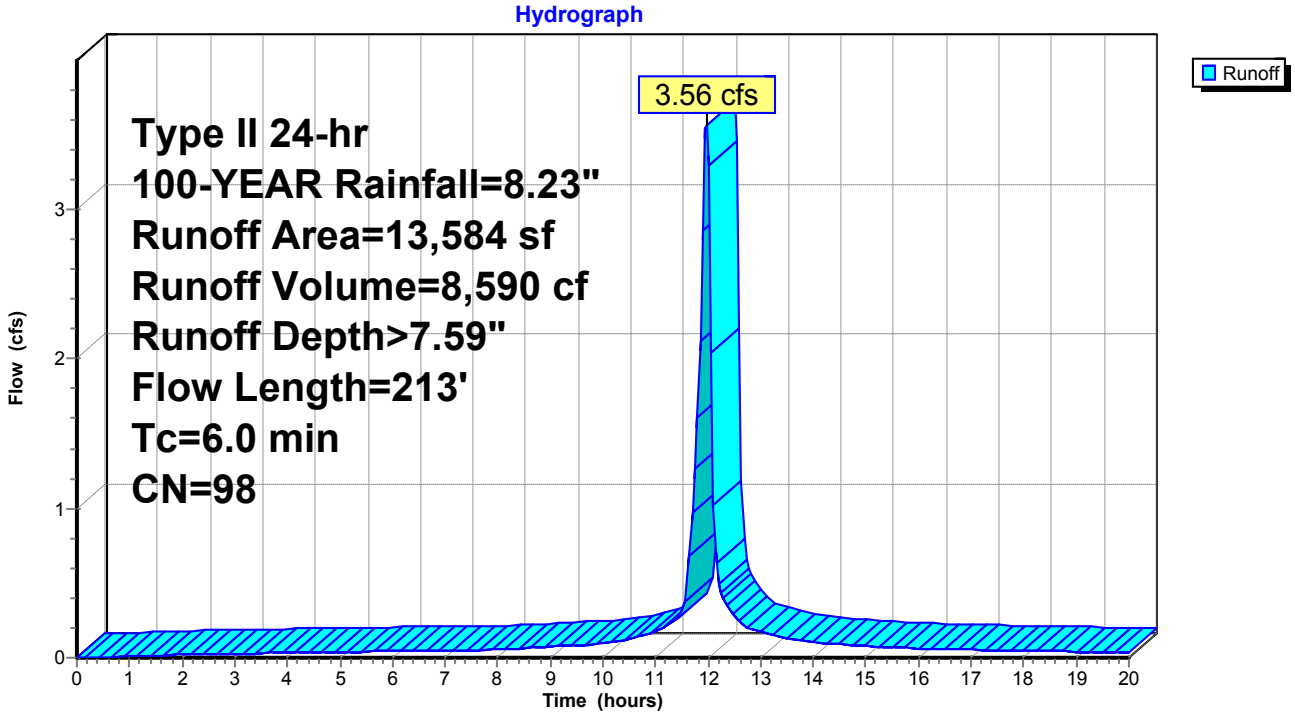
Runoff = 3.56 cfs @ 11.96 hrs, Volume= 8,590 cf, Depth> 7.59"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YEAR Rainfall=8.23"

| Area (sf) | CN | Description |
|---|---|---|
| 450 | 84 | 50-75% Grass cover, Fair, HSG D |
| 13,134 | 98 | Paved parking, HSG D |
| 13,584 | 98 | Weighted Average |
| 450 | | 3.31% Pervious Area |
| 13,134 | | 96.69% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 0.9 | 100 | 0.0392 | 1.79 | | **Sheet Flow, A-B** Smooth surfaces n= 0.011 P2= 3.16" |
| 0.4 | 113 | 0.0465 | 4.38 | | **Shallow Concentrated Flow, B-C** Paved Kv= 20.3 fps |
| 1.3 | 213 | Total, Increased to minimum Tc = 6.0 min | | | |

## Subcatchment DA-1: DA-1



## Summary for Subcatchment DA-2: DA-2

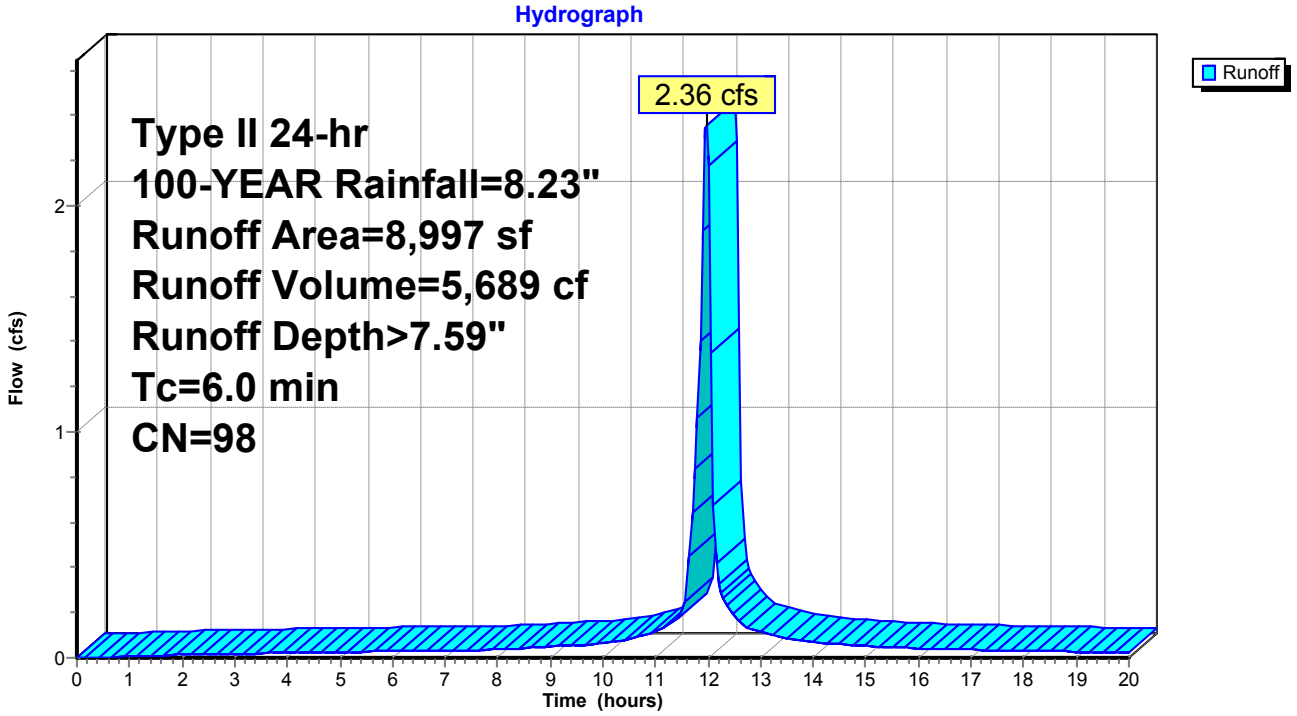
Runoff = 2.36 cfs @ 11.96 hrs, Volume= 5,689 cf, Depth> 7.59"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YEAR Rainfall=8.23"

| Area (sf) | CN | Description |
|---|---|---|
| 8,997 | 98 | Roofs, HSG D |
| 8,997 | | 100.00% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 6.0 | | | | | **Direct Entry,** |

## Subcatchment DA-2: DA-2



## Summary for Subcatchment DA-3: DA-3

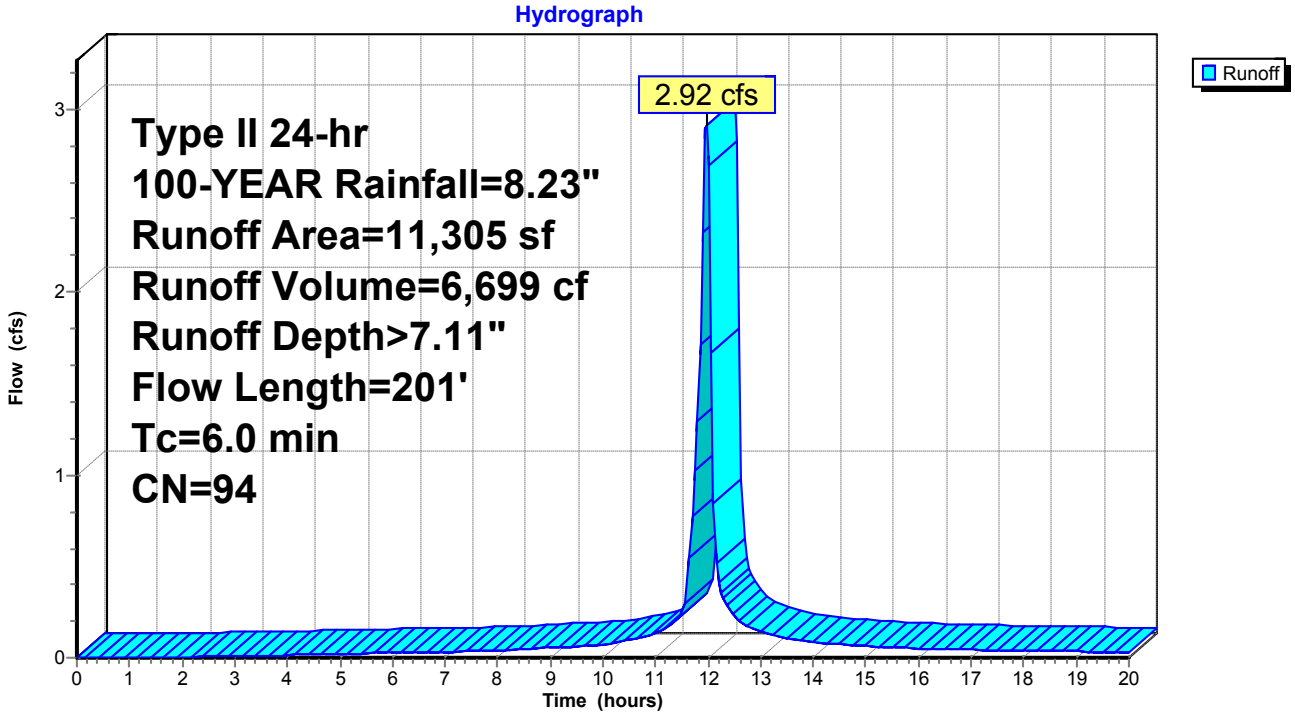
Runoff = 2.92 cfs @ 11.96 hrs, Volume= 6,699 cf, Depth> 7.11"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YEAR Rainfall=8.23"

| Area (sf) | CN | Description |
|---|---|---|
| 3,308 | 84 | 50-75% Grass cover, Fair, HSG D |
| 7,997 | 98 | Paved parking, HSG D |
| 11,305 | 94 | Weighted Average |
| 3,308 | | 29.26% Pervious Area |
| 7,997 | | 70.74% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 1.1 | 26 | 0.3120 | 0.39 | | **Sheet Flow, G-H** Grass: Short n= 0.150 P2= 3.16" |
| 0.5 | 175 | 0.0690 | 5.33 | | **Shallow Concentrated Flow, H-I** Paved Kv= 20.3 fps |
| 1.6 | 201 | Total, Increased to minimum Tc = 6.0 min | | | |

## Subcatchment DA-3: DA-3



## Summary for Subcatchment DA-4: DA-4

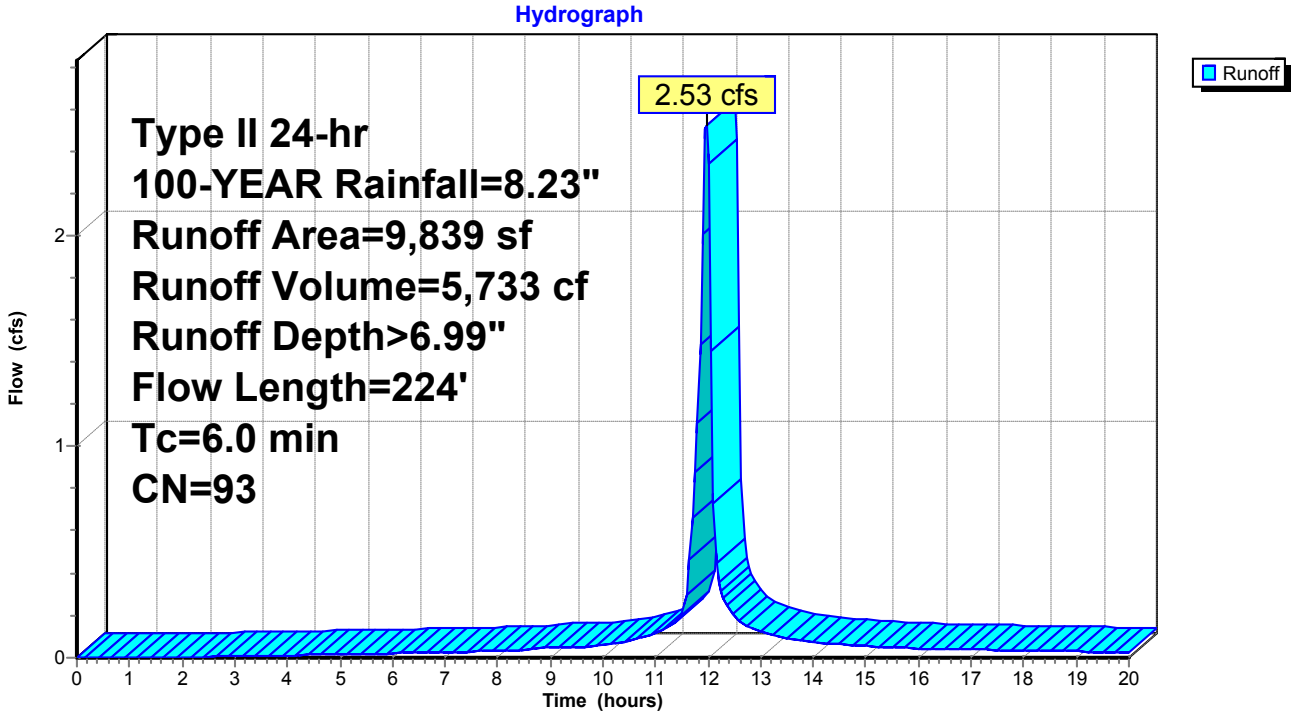
Runoff = 2.53 cfs @ 11.96 hrs, Volume= 5,733 cf, Depth> 6.99"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YEAR Rainfall=8.23"

| Area (sf) | CN | Description |
|---|---|---|
| 3,228 | 84 | 50-75% Grass cover, Fair, HSG D |
| 6,611 | 98 | Paved parking, HSG D |
| 9,839 | 93 | Weighted Average |
| 3,228 | | 32.81% Pervious Area |
| 6,611 | | 67.19% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 0.7 | 100 | 0.0920 | 2.52 | | **Sheet Flow, J-K** Smooth surfaces n= 0.011 P2= 3.16" |
| 0.5 | 124 | 0.0430 | 4.21 | | **Shallow Concentrated Flow, K-L** Paved Kv= 20.3 fps |
| 1.2 | 224 | Total, Increased to minimum Tc = 6.0 min | | | |

## Subcatchment DA-4: DA-4



## Summary for Subcatchment DA-5: DA-5

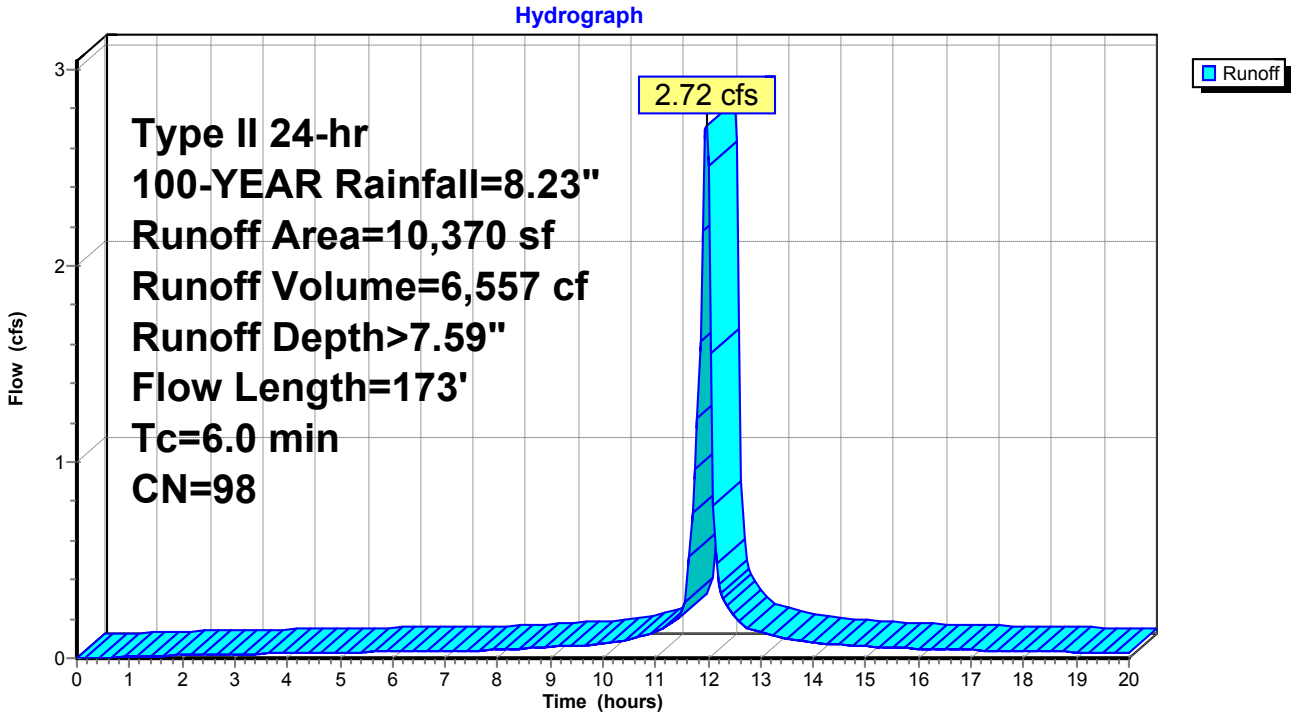
Runoff = 2.72 cfs @ 11.96 hrs, Volume= 6,557 cf, Depth> 7.59"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YEAR Rainfall=8.23"

| Area (sf) | CN | Description |
|---|---|---|
| 10,370 | 98 | Paved parking, HSG D |
| 10,370 | | 100.00% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 0.9 | 100 | 0.0490 | 1.96 | | **Sheet Flow, D-E** Smooth surfaces n= 0.011 P2= 3.16" |
| 0.3 | 73 | 0.0393 | 4.02 | | **Shallow Concentrated Flow, E-F** Paved Kv= 20.3 fps |
| 1.2 | 173 | Total, Increased to minimum Tc = 6.0 min | | | |

## Subcatchment DA-5: DA-5



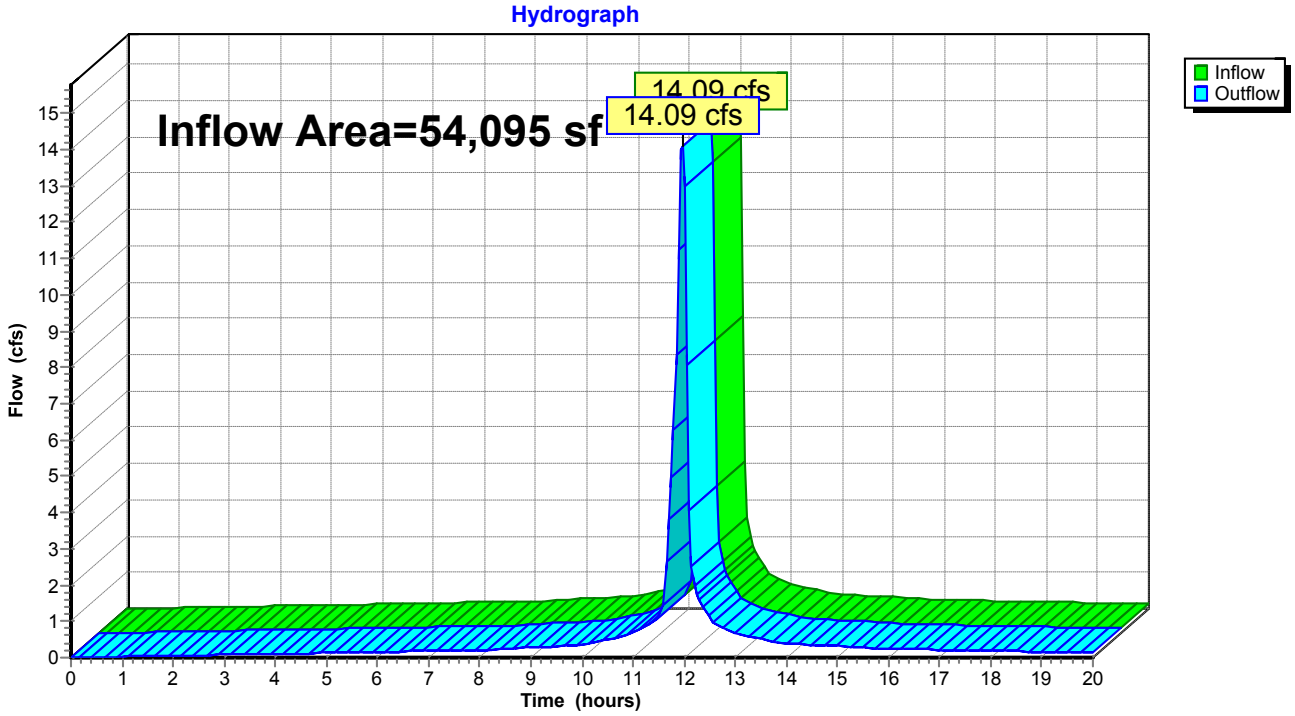
## Summary for Reach DP-1: DP-1

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area = 54,095 sf, 87.09% Impervious, Inflow Depth > 7.38" for 100-YEAR event
Inflow = 14.09 cfs @ 11.96 hrs, Volume= 33,267 cf
Outflow = 14.09 cfs @ 11.96 hrs, Volume= 33,267 cf, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs

### Reach DP-1: DP-1



## Summary for Pond 6P: EXISTING CATCH BASIN

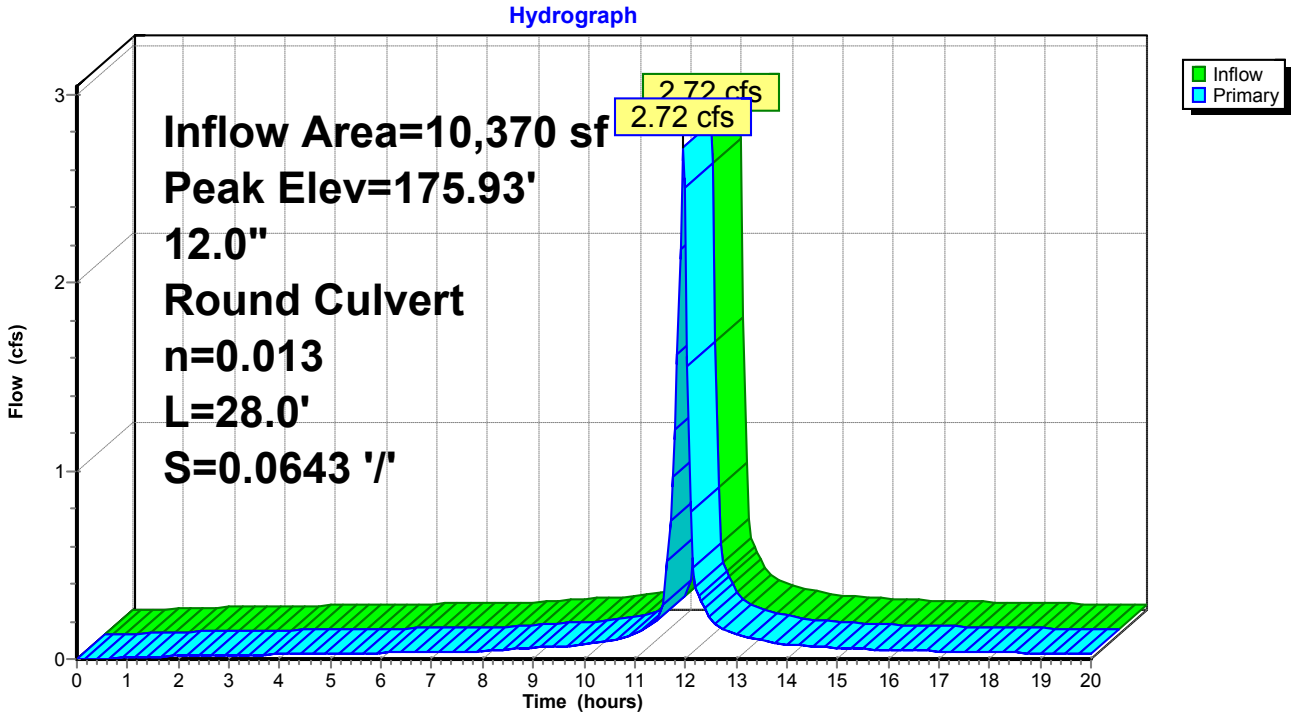
Inflow Area = 10,370 sf,100.00% Impervious, Inflow Depth > 7.59" for 100-YEAR event
Inflow = 2.72 cfs @ 11.96 hrs, Volume= 6,557 cf
Outflow = 2.72 cfs @ 11.96 hrs, Volume= 6,557 cf, Atten= 0%, Lag= 0.0 min
Primary = 2.72 cfs @ 11.96 hrs, Volume= 6,557 cf

Routing by Stor-Ind method, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 175.93' @ 11.96 hrs
Flood Elev= 176.23'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 174.60' | **12.0" Round Culvert**<br>L= 28.0' CPP, projecting, no headwall, Ke= 0.900<br>Inlet / Outlet Invert= 174.60' / 172.80' S= 0.0643 '/' Cc= 0.900<br>n= 0.013, Flow Area= 0.79 sf |

**Primary OutFlow** Max=2.66 cfs @ 11.96 hrs HW=175.89' (Free Discharge)
**1=Culvert** (Inlet Controls 2.66 cfs @ 3.39 fps)

## Pond 6P: EXISTING CATCH BASIN



## Summary for Pond 7P: EXISTING CATCH BASIN

[58] Hint: Peaked 4.11' above defined flood level
[81] Warning: Exceeded Pond 6P by 3.16' @ 11.95 hrs

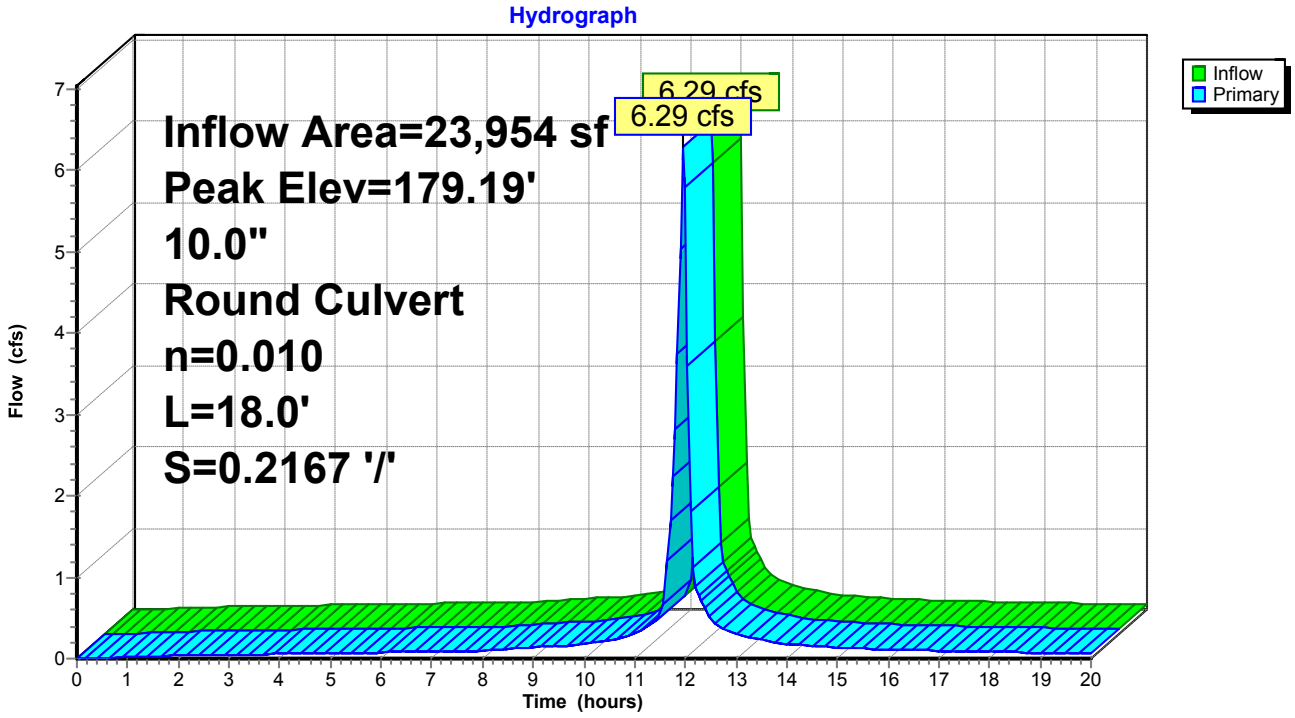
Inflow Area = 23,954 sf, 98.12% Impervious, Inflow Depth > 7.59" for 100-YEAR event
Inflow = 6.29 cfs @ 11.96 hrs, Volume= 15,147 cf
Outflow = 6.29 cfs @ 11.96 hrs, Volume= 15,147 cf, Atten= 0%, Lag= 0.0 min
Primary = 6.29 cfs @ 11.96 hrs, Volume= 15,147 cf

Routing by Stor-Ind method, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 179.19' @ 11.96 hrs
Flood Elev= 175.08'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 169.60' | **10.0" Round Culvert**<br>L= 18.0' CPP, projecting, no headwall, Ke= 0.900<br>Inlet / Outlet Invert= 169.60' / 165.70' S= 0.2167 '/' Cc= 0.900<br>n= 0.010, Flow Area= 0.55 sf |

**Primary OutFlow** Max=6.14 cfs @ 11.96 hrs HW=178.79' (Free Discharge)
**1=Culvert** (Inlet Controls 6.14 cfs @ 11.26 fps)

## Pond 7P: EXISTING CATCH BASIN



## Summary for Pond 8P: EXISTING CATCH BASIN

[58] Hint: Peaked 1.85' above defined flood level

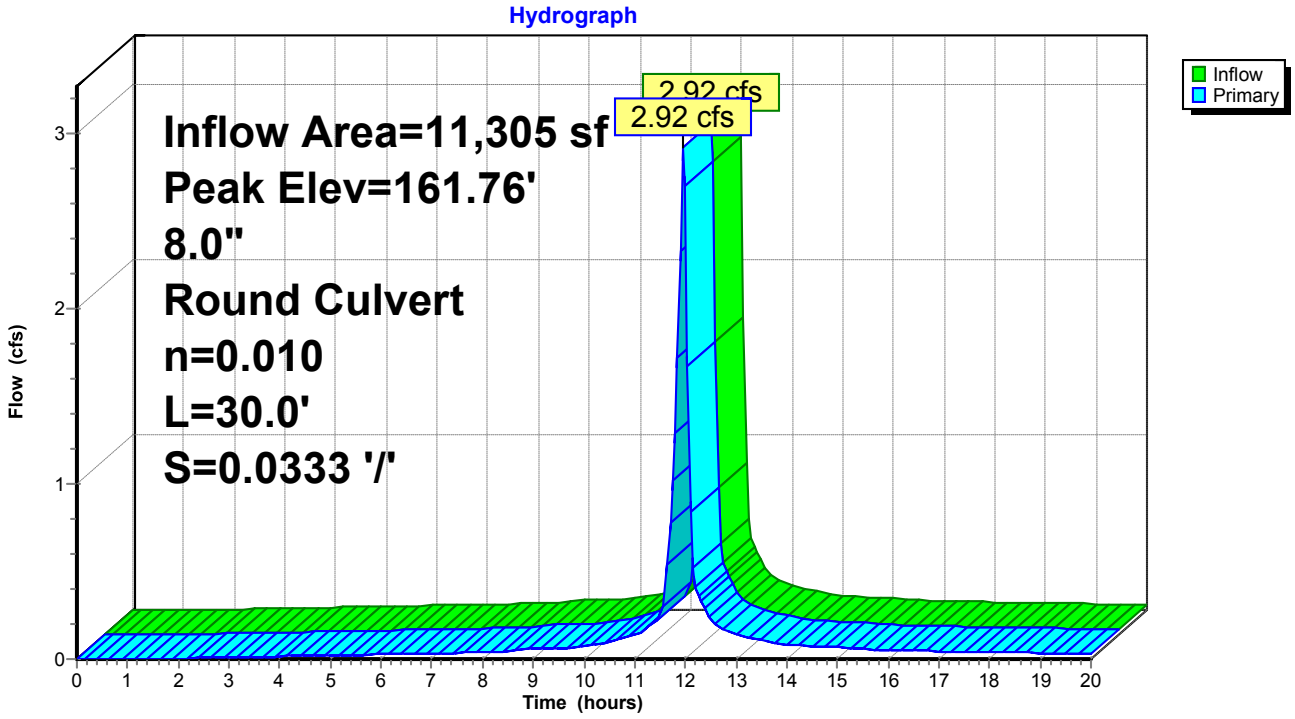
Inflow Area = 11,305 sf, 70.74% Impervious, Inflow Depth > 7.11" for 100-YEAR event
Inflow = 2.92 cfs @ 11.96 hrs, Volume= 6,699 cf
Outflow = 2.92 cfs @ 11.96 hrs, Volume= 6,699 cf, Atten= 0%, Lag= 0.0 min
Primary = 2.92 cfs @ 11.96 hrs, Volume= 6,699 cf

Routing by Stor-Ind method, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 161.76' @ 11.96 hrs
Flood Elev= 159.91'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 156.60' | **8.0" Round Culvert**<br>L= 30.0' CPP, projecting, no headwall, Ke= 0.900<br>Inlet / Outlet Invert= 156.60' / 155.60' S= 0.0333 '/' Cc= 0.900<br>n= 0.010 PVC, smooth interior, Flow Area= 0.35 sf |

**Primary OutFlow** Max=2.85 cfs @ 11.96 hrs HW=161.55' (Free Discharge)
**1=Culvert** (Inlet Controls 2.85 cfs @ 8.17 fps)

## Pond 8P: EXISTING CATCH BASIN



## Summary for Pond EX-CB: EXISTING CATCH BASIN

[58] Hint: Peaked 1.01' above defined flood level
[81] Warning: Exceeded Pond 8P by 0.31' @ 11.80 hrs

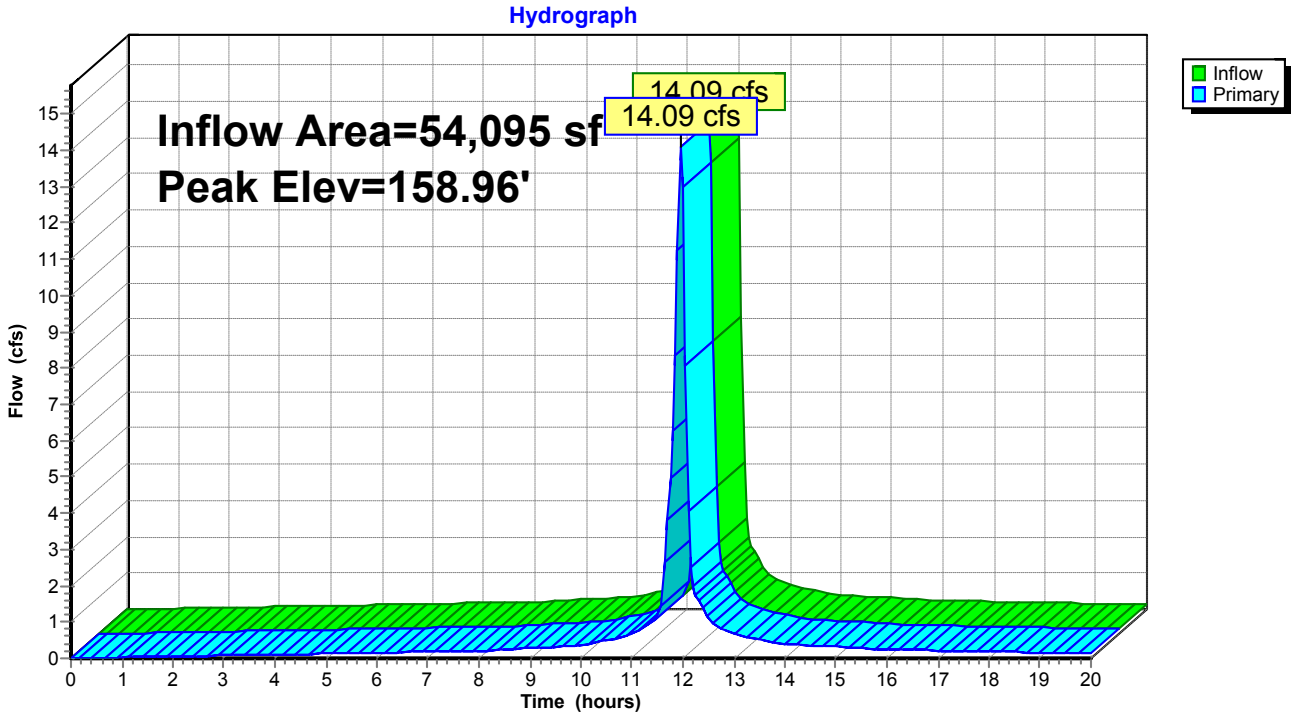
Inflow Area = 54,095 sf, 87.09% Impervious, Inflow Depth > 7.38" for 100-YEAR event
Inflow = 14.09 cfs @ 11.96 hrs, Volume= 33,267 cf
Outflow = 14.09 cfs @ 11.96 hrs, Volume= 33,267 cf, Atten= 0%, Lag= 0.0 min
Primary = 14.09 cfs @ 11.96 hrs, Volume= 33,267 cf

Routing by Stor-Ind method, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 158.96' @ 11.96 hrs
Flood Elev= 157.95'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 154.40' | **12.0" Round Culvert**<br>L= 26.0' CPP, projecting, no headwall, Ke= 0.900<br>Inlet / Outlet Invert= 154.40' / 153.50' S= 0.0346 '/' Cc= 0.900<br>n= 0.010, Flow Area= 0.79 sf |
| #2 | Primary | 157.95' | **3.0' long x 3.0' breadth Broad-Crested Rectangular Weir**<br>Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50<br>Coef. (English) 2.44 2.58 2.68 2.67 2.65 2.64 2.64 2.68 2.68 2.72 2.81 2.92 2.97 3.07 3.32 |

**Primary OutFlow** Max=13.76 cfs @ 11.96 hrs HW=158.93' (Free Discharge)
**1=Culvert** (Inlet Controls 6.00 cfs @ 7.63 fps)
**2=Broad-Crested Rectangular Weir** (Weir Controls 7.76 cfs @ 2.63 fps)

## Pond EX-CB: EXISTING CATCH BASIN

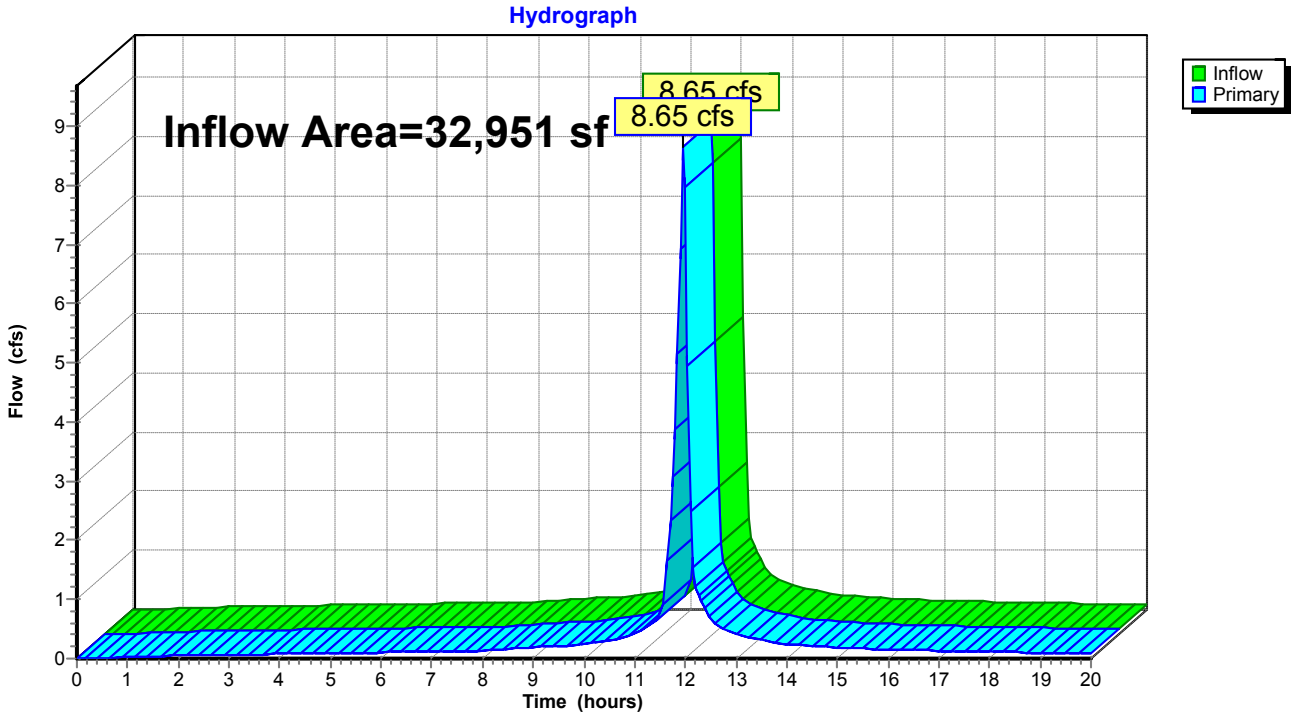


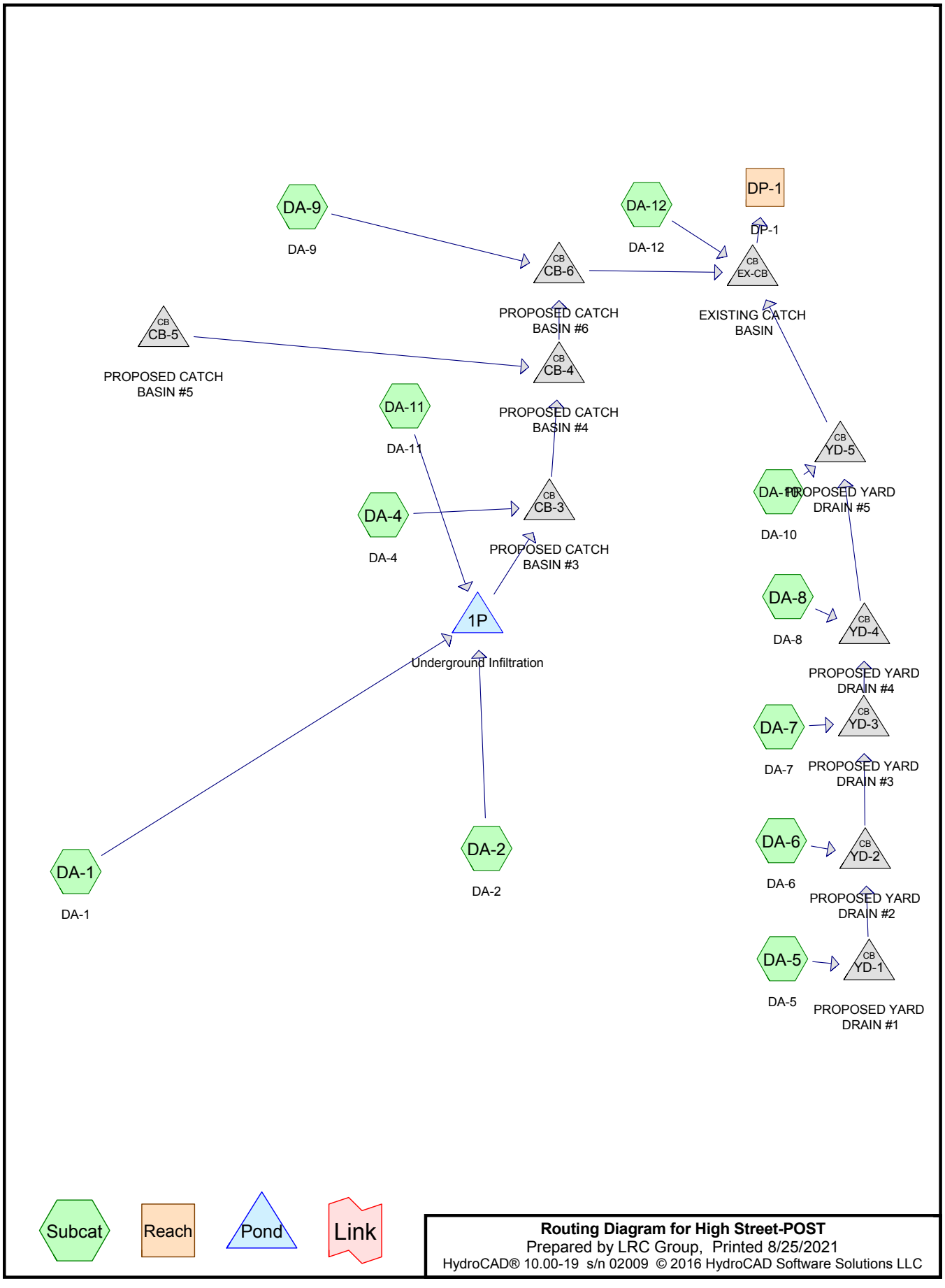
## Summary for Link 3L: OVERLAND FLOW

Inflow Area = 32,951 sf, 98.63% Impervious, Inflow Depth > 7.59" for 100-YEAR event
Inflow = 8.65 cfs @ 11.96 hrs, Volume= 20,836 cf
Primary = 8.65 cfs @ 11.96 hrs, Volume= 20,836 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-20.00 hrs, dt= 0.05 hrs

## Link 3L: OVERLAND FLOW






**Routing Diagram for High Street-POST**
Prepared by LRC Group, Printed 8/25/2021
HydroCAD® 10.00-19 s/n 02009 © 2016 HydroCAD Software Solutions LLC

## Area Listing (all nodes)

| Area (sq-ft) | CN | Description (subcatchment-numbers) |
|---|---|---|
| 9,369 | 80 | >75% Grass cover, Good, HSG D (DA-1, DA-10, DA-12, DA-2, DA-4, DA-9) |
| 34,897 | 98 | Paved parking, HSG D (DA-1, DA-10, DA-12, DA-2, DA-4, DA-5, DA-6, DA-7, DA-8, DA-9) |
| 11,263 | 98 | Roofs, HSG D (DA-11, DA-9) |
| **55,529** | **95** | **TOTAL AREA** |

## Soil Listing (all nodes)

| Area (sq-ft) | Soil Group | Subcatchment Numbers |
|---|---|---|
| 0 | HSG A | |
| 0 | HSG B | |
| 0 | HSG C | |
| 55,529 | HSG D | DA-1, DA-10, DA-11, DA-12, DA-2, DA-4, DA-5, DA-6, DA-7, DA-8, DA-9 |
| 0 | Other | |
| **55,529** | | **TOTAL AREA** |

## Ground Covers (all nodes)

| HSG-A (sq-ft) | HSG-B (sq-ft) | HSG-C (sq-ft) | HSG-D (sq-ft) | Other (sq-ft) | Total (sq-ft) | Ground Cover | Sub Num |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 9,369 | 0 | 9,369 | >75% Grass cover, Good | |
| 0 | 0 | 0 | 34,897 | 0 | 34,897 | Paved parking | |
| 0 | 0 | 0 | 11,263 | 0 | 11,263 | Roofs | |
| **0** | **0** | **0** | **55,529** | **0** | **55,529** | **TOTAL AREA** | |

## Pipe Listing (all nodes)

| Line# | Node Number | In-Invert (feet) | Out-Invert (feet) | Length (feet) | Slope (ft/ft) | n | Diam/Width (inches) | Height (inches) | Inside-Fill (inches) |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1P | 158.95 | 158.75 | 15.0 | 0.0133 | 0.013 | 15.0 | 0.0 | 0.0 |
| 2 | CB-3 | 159.29 | 157.77 | 38.0 | 0.0400 | 0.013 | 12.0 | 0.0 | 0.0 |
| 3 | CB-4 | 157.77 | 157.47 | 30.0 | 0.0100 | 0.013 | 12.0 | 0.0 | 0.0 |
| 4 | CB-5 | 158.90 | 157.77 | 108.0 | 0.0105 | 0.013 | 12.0 | 0.0 | 0.0 |
| 5 | CB-6 | 157.47 | 155.60 | 49.0 | 0.0382 | 0.013 | 12.0 | 0.0 | 0.0 |
| 6 | EX-CB | 154.40 | 153.50 | 26.0 | 0.0346 | 0.013 | 15.0 | 0.0 | 0.0 |
| 7 | YD-1 | 161.60 | 161.36 | 24.0 | 0.0100 | 0.013 | 8.0 | 0.0 | 0.0 |
| 8 | YD-2 | 161.36 | 161.03 | 33.0 | 0.0100 | 0.013 | 8.0 | 0.0 | 0.0 |
| 9 | YD-3 | 161.03 | 160.69 | 34.0 | 0.0100 | 0.013 | 8.0 | 0.0 | 0.0 |
| 10 | YD-4 | 160.69 | 157.57 | 55.0 | 0.0567 | 0.013 | 8.0 | 0.0 | 0.0 |
| 11 | YD-5 | 157.57 | 155.60 | 51.0 | 0.0386 | 0.013 | 8.0 | 0.0 | 0.0 |

Time span=0.00-30.00 hrs, dt=0.05 hrs, 601 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

**Subcatchment DA-1: DA-1** Runoff Area=14,517 sf 93.28% Impervious Runoff Depth=2.27"
Tc=6.0 min CN=97 Runoff=1.17 cfs 2,749 cf

**Subcatchment DA-10: DA-10** Runoff Area=636 sf 45.28% Impervious Runoff Depth=1.48"
Tc=6.0 min CN=88 Runoff=0.04 cfs 78 cf

**Subcatchment DA-11: DA-11** Runoff Area=4,403 sf 100.00% Impervious Runoff Depth=2.38"
Tc=6.0 min CN=98 Runoff=0.36 cfs 873 cf

**Subcatchment DA-12: DA-12** Runoff Area=1,857 sf 61.82% Impervious Runoff Depth=1.71"
Tc=6.0 min CN=91 Runoff=0.12 cfs 265 cf

**Subcatchment DA-2: DA-2** Runoff Area=8,246 sf 85.68% Impervious Runoff Depth=2.07"
Tc=6.0 min CN=95 Runoff=0.63 cfs 1,422 cf

**Subcatchment DA-4: DA-4** Runoff Area=11,628 sf 48.64% Impervious Runoff Depth=1.55"
Tc=6.0 min CN=89 Runoff=0.70 cfs 1,503 cf

**Subcatchment DA-5: DA-5** Runoff Area=1,340 sf 100.00% Impervious Runoff Depth=2.38"
Tc=6.0 min CN=98 Runoff=0.11 cfs 266 cf

**Subcatchment DA-6: DA-6** Runoff Area=1,598 sf 100.00% Impervious Runoff Depth=2.38"
Tc=6.0 min CN=98 Runoff=0.13 cfs 317 cf

**Subcatchment DA-7: DA-7** Runoff Area=1,598 sf 100.00% Impervious Runoff Depth=2.38"
Tc=6.0 min CN=98 Runoff=0.13 cfs 317 cf

**Subcatchment DA-8: DA-8** Runoff Area=2,299 sf 100.00% Impervious Runoff Depth=2.38"
Tc=6.0 min CN=98 Runoff=0.19 cfs 456 cf

**Subcatchment DA-9: DA-9** Runoff Area=7,407 sf 97.52% Impervious Runoff Depth=2.38"
Tc=6.0 min CN=98 Runoff=0.61 cfs 1,469 cf

**Reach DP-1: DP-1** Inflow=4.02 cfs 8,949 cf
Outflow=4.02 cfs 8,949 cf

**Pond 1P: Underground Infiltration** Peak Elev=159.77' Storage=780 cf Inflow=2.15 cfs 5,045 cf
Discarded=0.01 cfs 488 cf Primary=2.03 cfs 4,278 cf Outflow=2.03 cfs 4,766 cf

**Pond CB-3: PROPOSED CATCH BASIN #3** Peak Elev=160.62' Inflow=2.72 cfs 5,781 cf
12.0" Round Culvert n=0.013 L=38.0' S=0.0400 '/' Outflow=2.72 cfs 5,781 cf

**Pond CB-4: PROPOSED CATCH BASIN #4** Peak Elev=159.10' Inflow=2.72 cfs 5,781 cf
Outflow=2.72 cfs 5,781 cf

**Pond CB-5: PROPOSED CATCH BASIN #5** Peak Elev=0.00'
12.0" Round Culvert n=0.013 L=108.0' S=0.0105 '/' Primary=0.00 cfs 0 cf

**Pond CB-6: PROPOSED CATCH BASIN #6** Peak Elev=159.19' Inflow=3.31 cfs 7,250 cf
Outflow=3.31 cfs 7,250 cf

**Pond EX-CB: EXISTING CATCH BASIN** Peak Elev=155.76' Inflow=4.02 cfs 8,949 cf
Outflow=4.02 cfs 8,949 cf

**Pond YD-1: PROPOSED YARD DRAIN #1** Peak Elev=161.80' Inflow=0.11 cfs 266 cf
8.0" Round Culvert n=0.013 L=24.0' S=0.0100 '/' Outflow=0.11 cfs 266 cf

**Pond YD-2: PROPOSED YARD DRAIN #2** Peak Elev=161.67' Inflow=0.24 cfs 583 cf
8.0" Round Culvert n=0.013 L=33.0' S=0.0100 '/' Outflow=0.24 cfs 583 cf

**Pond YD-3: PROPOSED YARD DRAIN #3** Peak Elev=161.43' Inflow=0.37 cfs 900 cf
8.0" Round Culvert n=0.013 L=34.0' S=0.0100 '/' Outflow=0.37 cfs 900 cf

**Pond YD-4: PROPOSED YARD DRAIN #4** Peak Elev=161.21' Inflow=0.56 cfs 1,356 cf
8.0" Round Culvert n=0.013 L=55.0' S=0.0567 '/' Outflow=0.56 cfs 1,356 cf

**Pond YD-5: PROPOSED YARD DRAIN #5** Peak Elev=158.11' Inflow=0.60 cfs 1,434 cf
8.0" Round Culvert n=0.013 L=51.0' S=0.0386 '/' Outflow=0.60 cfs 1,434 cf

**Total Runoff Area = 55,529 sf Runoff Volume = 9,716 cf Average Runoff Depth = 2.10"**
**16.87% Pervious = 9,369 sf 83.13% Impervious = 46,160 sf**

## Summary for Subcatchment DA-1: DA-1

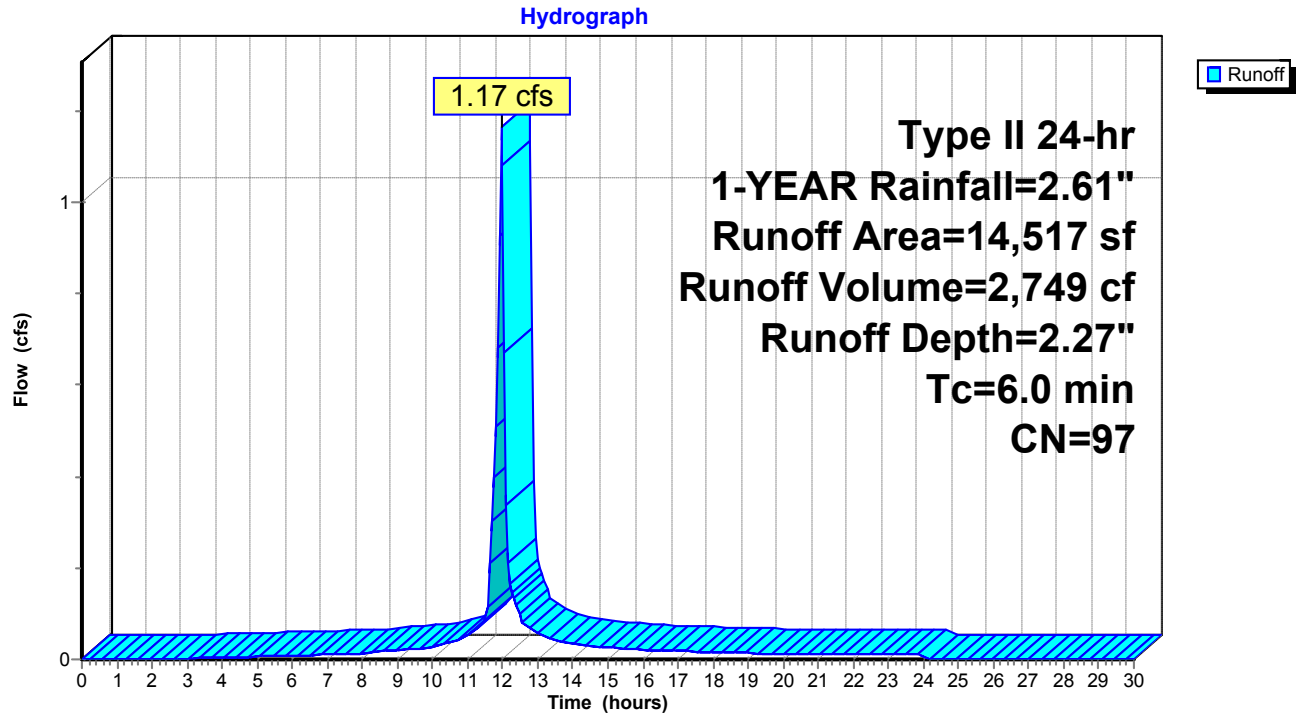
Runoff = 1.17 cfs @ 11.96 hrs, Volume= 2,749 cf, Depth= 2.27"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YEAR Rainfall=2.61"

| Area (sf) | CN | Description |
|---|---|---|
| 975 | 80 | >75% Grass cover, Good, HSG D |
| 13,542 | 98 | Paved parking, HSG D |
| 14,517 | 97 | Weighted Average |
| 975 | | 6.72% Pervious Area |
| 13,542 | | 93.28% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 6.0 | | | | | **Direct Entry,** |

## Subcatchment DA-1: DA-1



## Summary for Subcatchment DA-10: DA-10

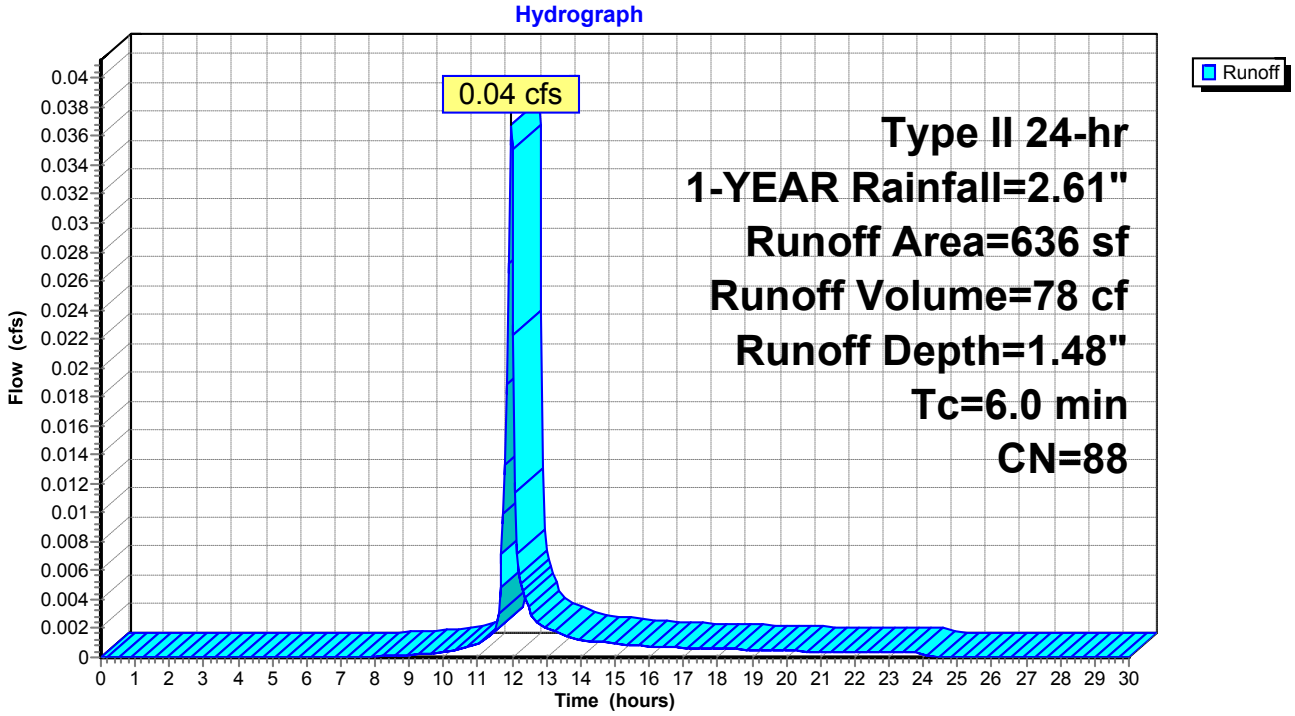
Runoff = 0.04 cfs @ 11.97 hrs, Volume= 78 cf, Depth= 1.48"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YEAR Rainfall=2.61"

| Area (sf) | CN | Description |
|---|---|---|
| 348 | 80 | >75% Grass cover, Good, HSG D |
| 288 | 98 | Paved parking, HSG D |
| 636 | 88 | Weighted Average |
| 348 | | 54.72% Pervious Area |
| 288 | | 45.28% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 6.0 | | | | | **Direct Entry,** |

### Subcatchment DA-10: DA-10



## Summary for Subcatchment DA-11: DA-11

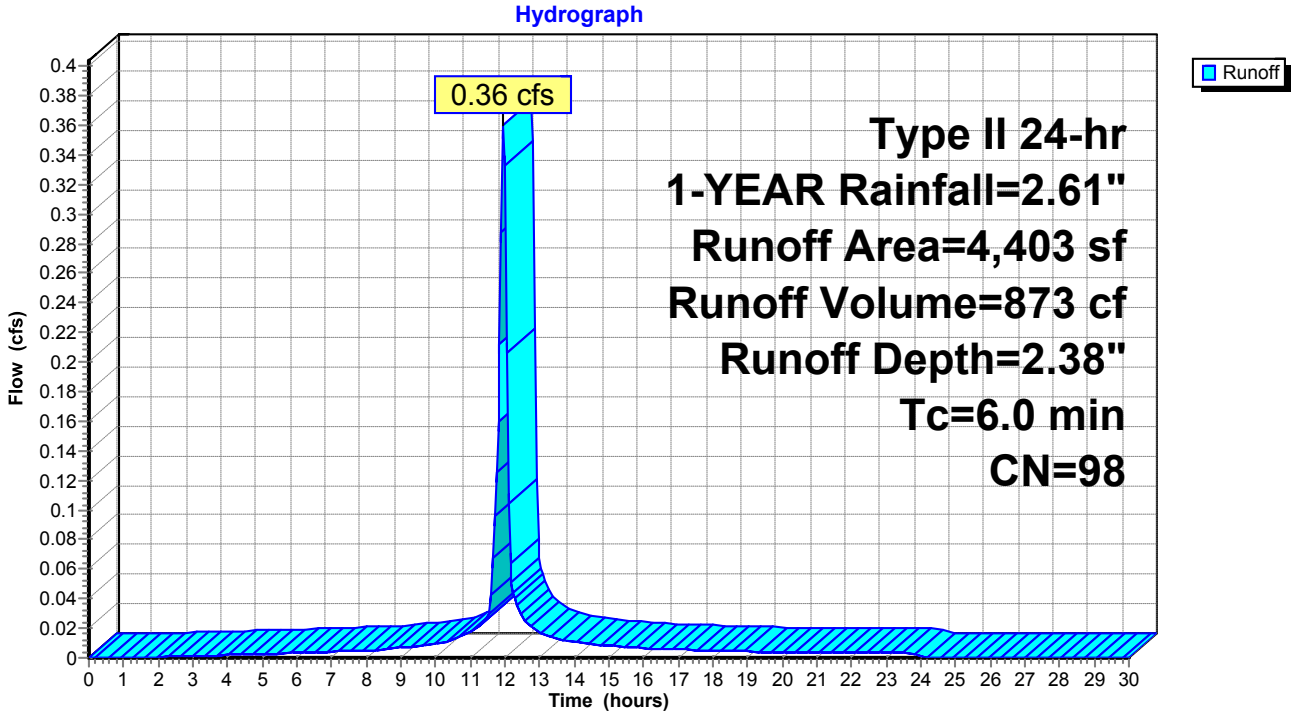
Runoff = 0.36 cfs @ 11.96 hrs, Volume= 873 cf, Depth= 2.38"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YEAR Rainfall=2.61"

| Area (sf) | CN | Description |
|---|---|---|
| 4,403 | 98 | Roofs, HSG D |
| 4,403 | | 100.00% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 6.0 | | | | | **Direct Entry,** |

## Subcatchment DA-11: DA-11



## Summary for Subcatchment DA-12: DA-12

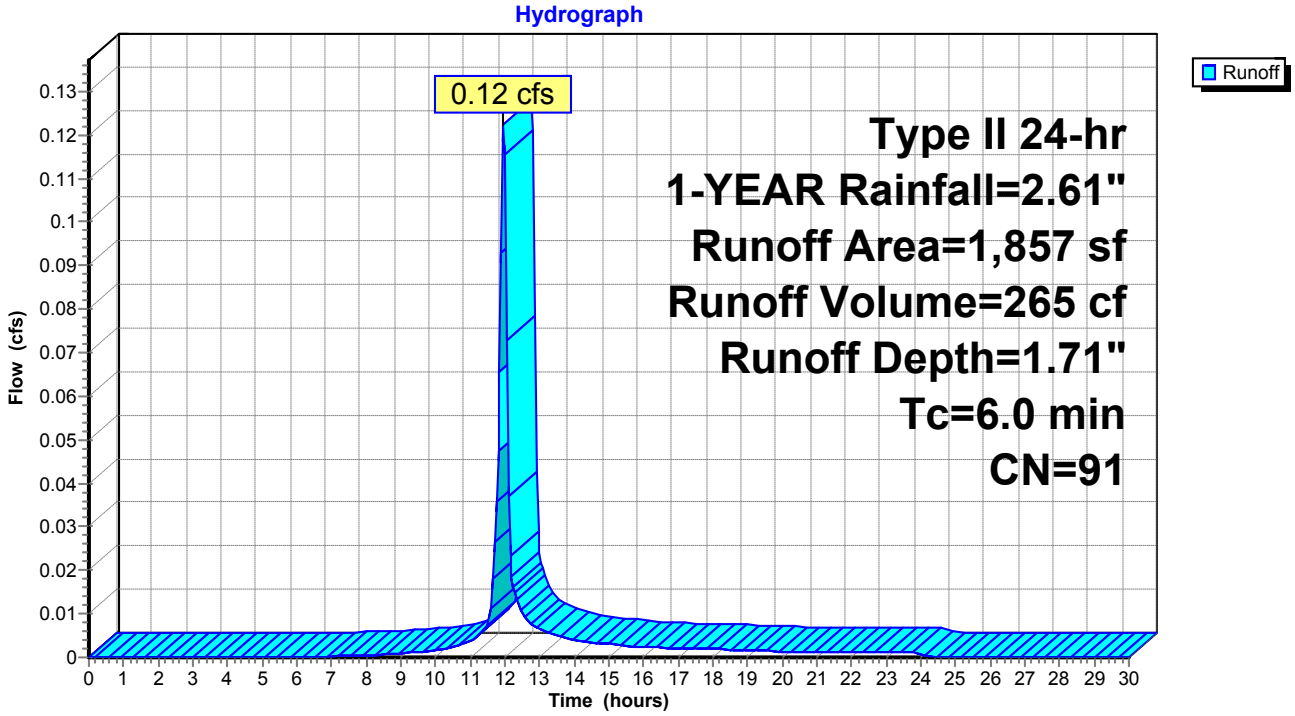
Runoff = 0.12 cfs @ 11.97 hrs, Volume= 265 cf, Depth= 1.71"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YEAR Rainfall=2.61"

| Area (sf) | CN | Description |
|---|---|---|
| 709 | 80 | >75% Grass cover, Good, HSG D |
| 1,148 | 98 | Paved parking, HSG D |
| 1,857 | 91 | Weighted Average |
| 709 | | 38.18% Pervious Area |
| 1,148 | | 61.82% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 6.0 | | | | | **Direct Entry,** |

### Subcatchment DA-12: DA-12



## Summary for Subcatchment DA-2: DA-2

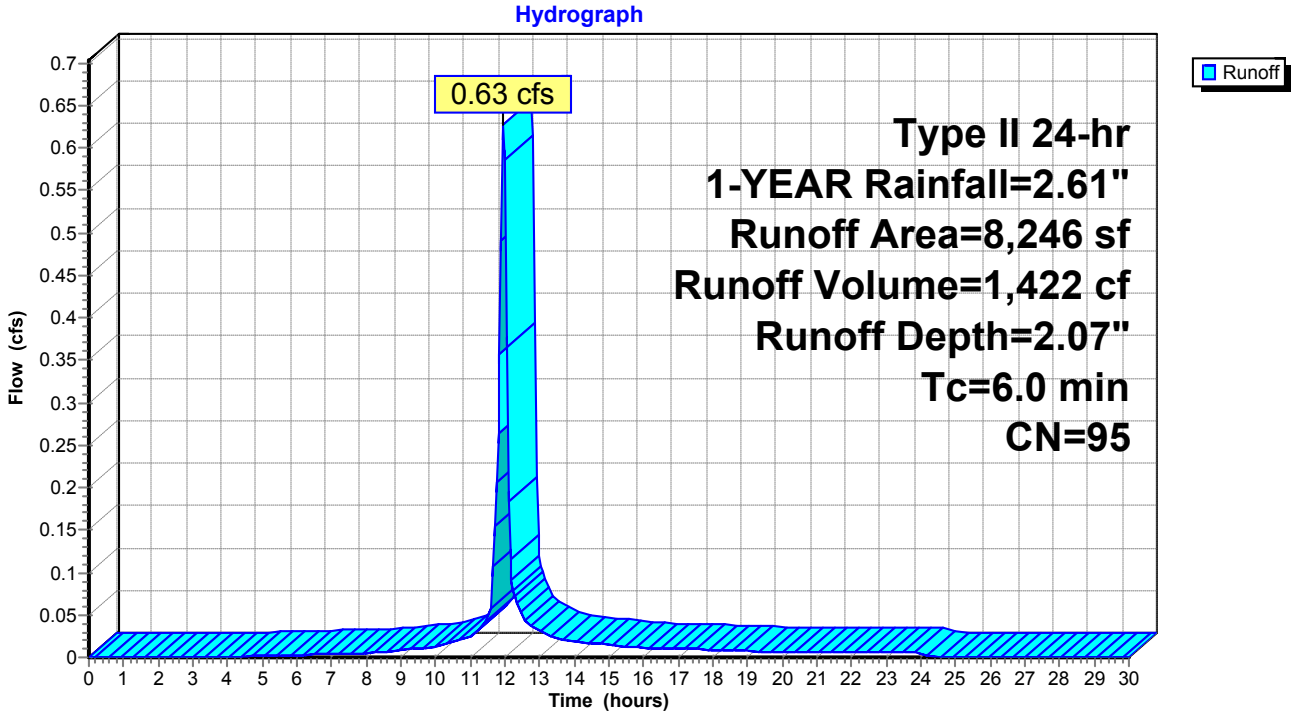
Runoff = 0.63 cfs @ 11.96 hrs, Volume= 1,422 cf, Depth= 2.07"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YEAR Rainfall=2.61"

| Area (sf) | CN | Description |
|---|---|---|
| 1,181 | 80 | >75% Grass cover, Good, HSG D |
| 7,065 | 98 | Paved parking, HSG D |
| 8,246 | 95 | Weighted Average |
| 1,181 | | 14.32% Pervious Area |
| 7,065 | | 85.68% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 6.0 | | | | | **Direct Entry,** |

## Subcatchment DA-2: DA-2



## Summary for Subcatchment DA-4: DA-4

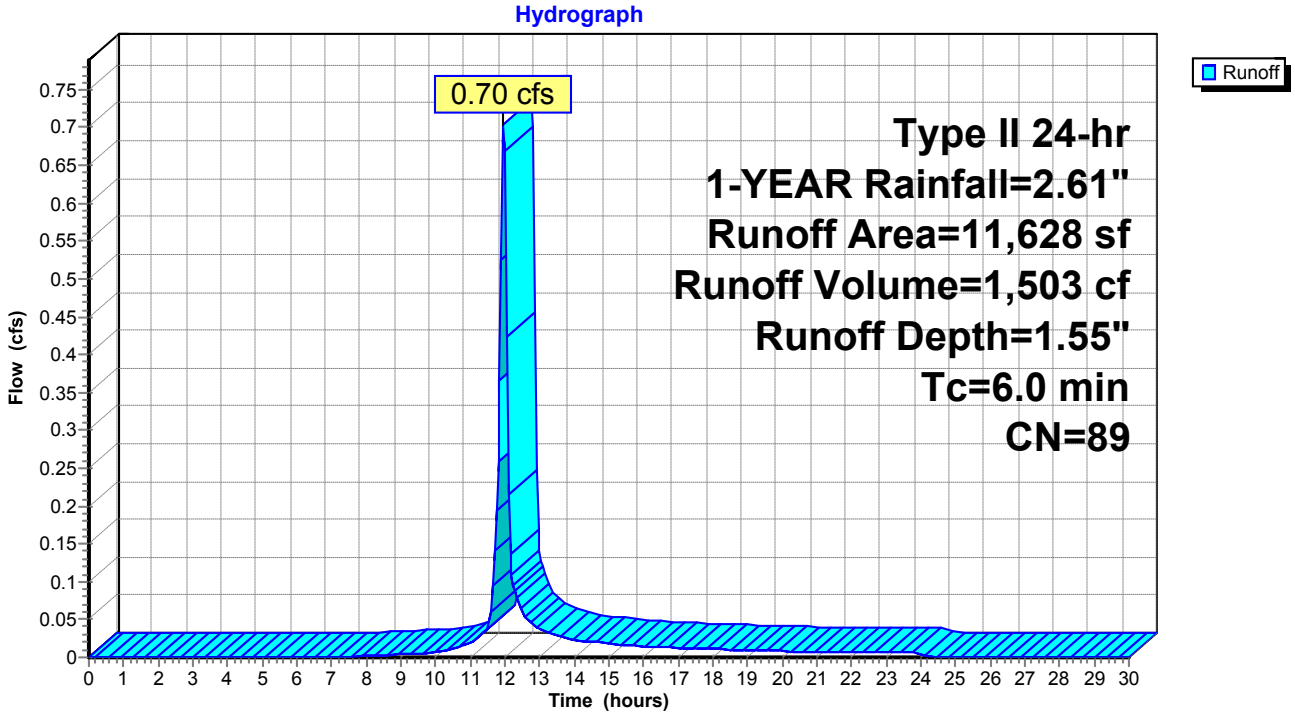
Runoff = 0.70 cfs @ 11.97 hrs, Volume= 1,503 cf, Depth= 1.55"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YEAR Rainfall=2.61"

| Area (sf) | CN | Description |
|---|---|---|
| 5,972 | 80 | >75% Grass cover, Good, HSG D |
| 5,656 | 98 | Paved parking, HSG D |
| 11,628 | 89 | Weighted Average |
| 5,972 | | 51.36% Pervious Area |
| 5,656 | | 48.64% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 6.0 | | | | | **Direct Entry,** |

### Subcatchment DA-4: DA-4



## Summary for Subcatchment DA-5: DA-5

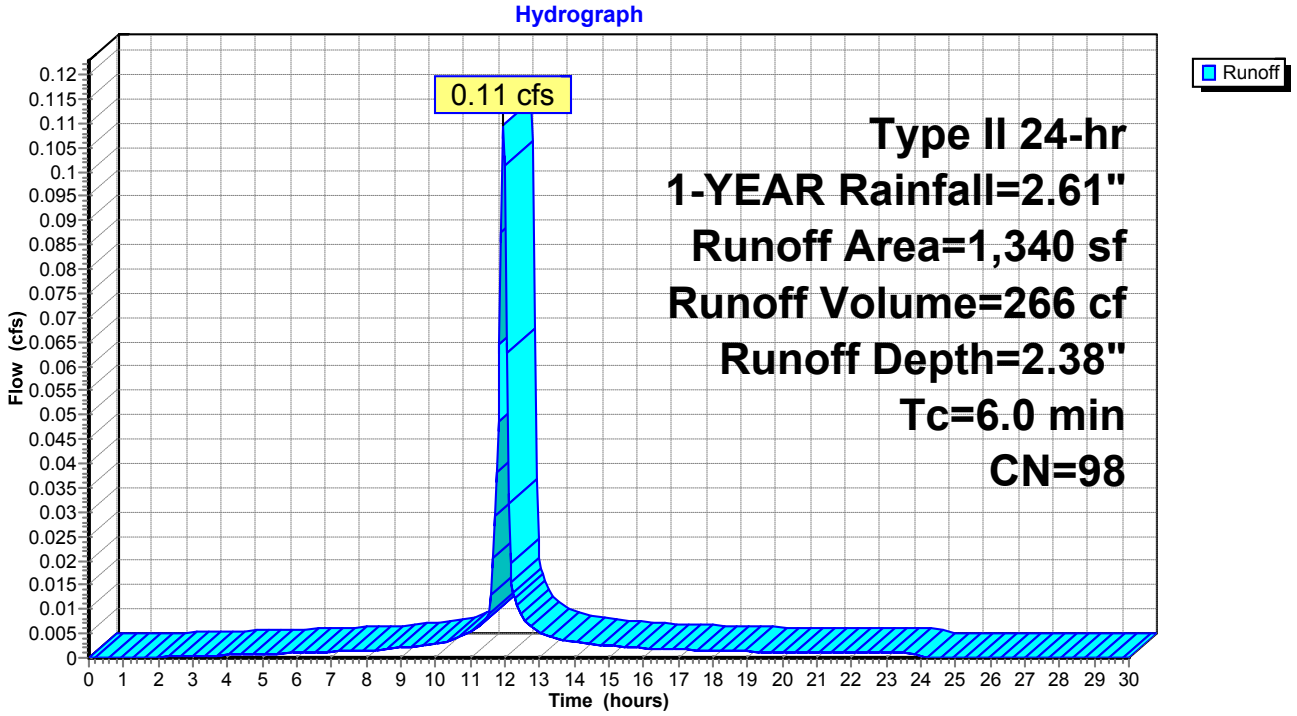
Runoff = 0.11 cfs @ 11.96 hrs, Volume= 266 cf, Depth= 2.38"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YEAR Rainfall=2.61"

| Area (sf) | CN | Description |
|---|---|---|
| 1,340 | 98 | Paved parking, HSG D |
| 1,340 | | 100.00% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 6.0 | | | | | **Direct Entry,** |

## Subcatchment DA-5: DA-5



## Summary for Subcatchment DA-6: DA-6

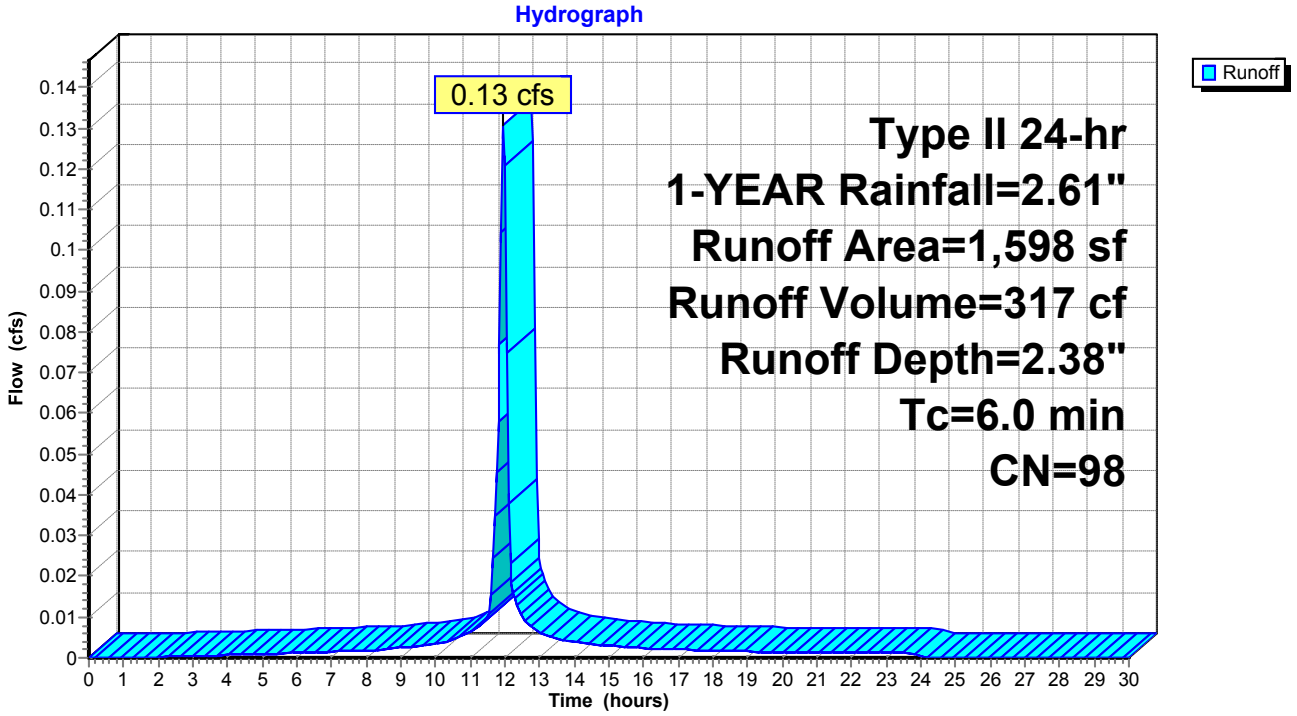
Runoff = 0.13 cfs @ 11.96 hrs, Volume= 317 cf, Depth= 2.38"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YEAR Rainfall=2.61"

| Area (sf) | CN | Description |
|---|---|---|
| 1,598 | 98 | Paved parking, HSG D |
| 1,598 | | 100.00% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 6.0 | | | | | **Direct Entry,** |

## Subcatchment DA-6: DA-6



## Summary for Subcatchment DA-7: DA-7

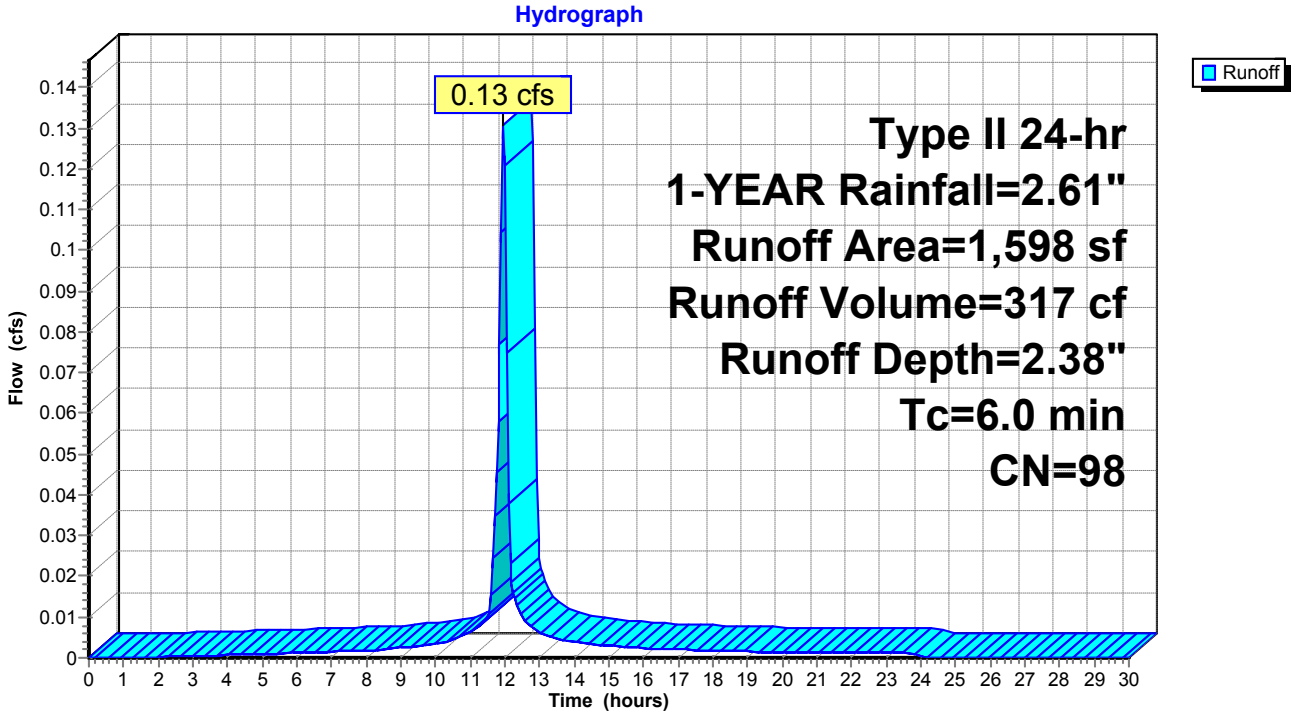
Runoff = 0.13 cfs @ 11.96 hrs, Volume= 317 cf, Depth= 2.38"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YEAR Rainfall=2.61"

| Area (sf) | CN | Description |
|---|---|---|
| 1,598 | 98 | Paved parking, HSG D |
| 1,598 | | 100.00% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 6.0 | | | | | **Direct Entry,** |

## Subcatchment DA-7: DA-7



## Summary for Subcatchment DA-8: DA-8

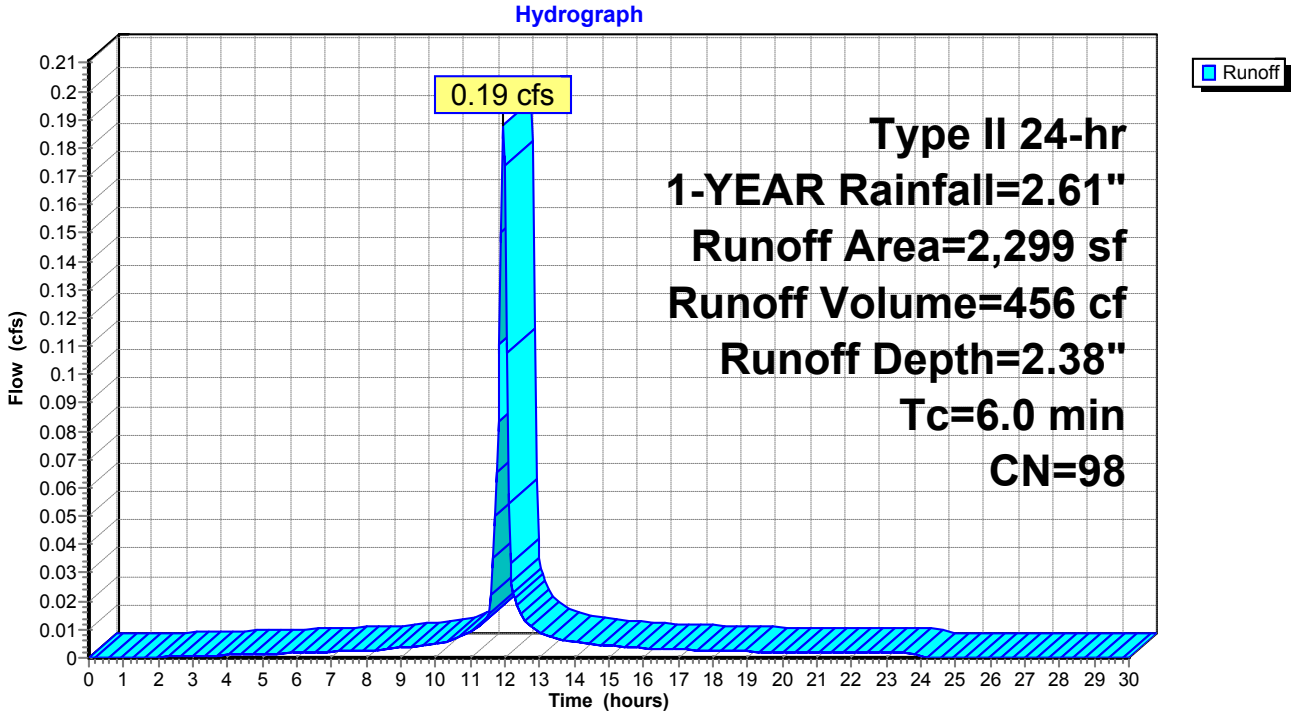
Runoff = 0.19 cfs @ 11.96 hrs, Volume= 456 cf, Depth= 2.38"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YEAR Rainfall=2.61"

| Area (sf) | CN | Description |
|---|---|---|
| 2,299 | 98 | Paved parking, HSG D |
| 2,299 | | 100.00% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 6.0 | | | | | **Direct Entry,** |

### Subcatchment DA-8: DA-8



## Summary for Subcatchment DA-9: DA-9

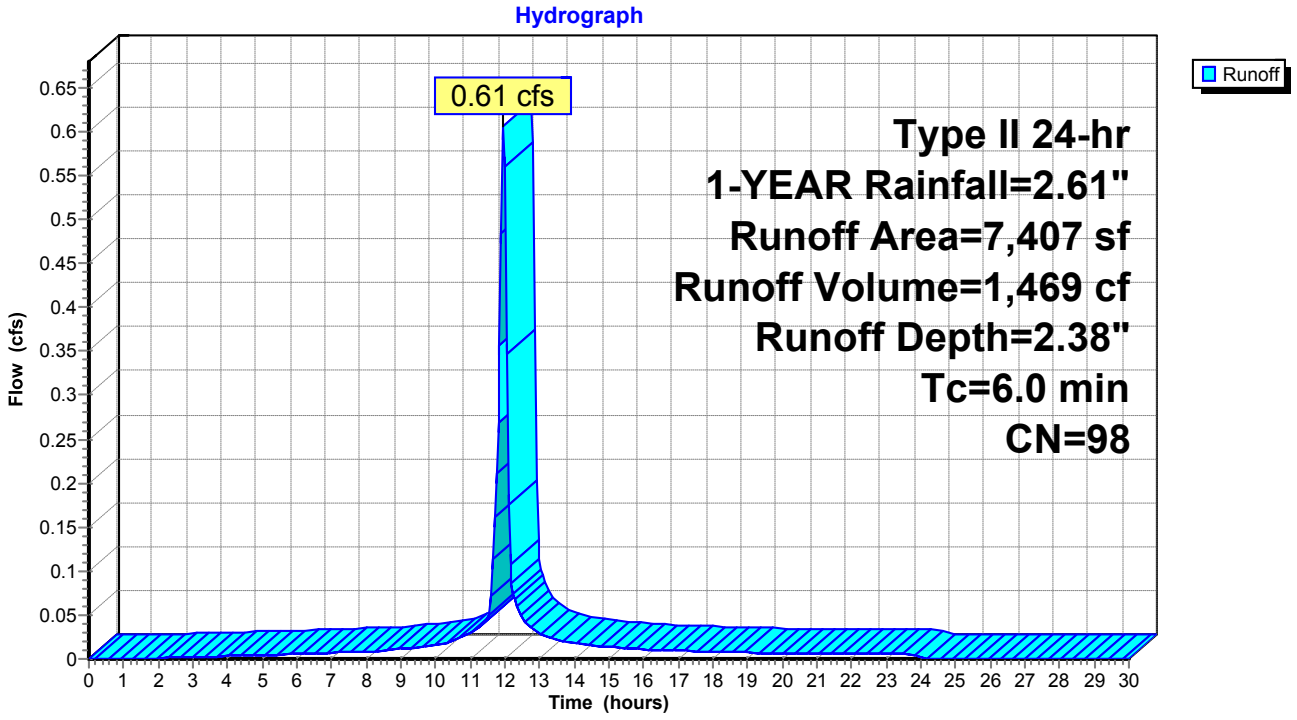
Runoff = 0.61 cfs @ 11.96 hrs, Volume= 1,469 cf, Depth= 2.38"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YEAR Rainfall=2.61"

| Area (sf) | CN | Description |
|---|---|---|
| 184 | 80 | >75% Grass cover, Good, HSG D |
| 363 | 98 | Paved parking, HSG D |
| 6,860 | 98 | Roofs, HSG D |
| 7,407 | 98 | Weighted Average |
| 184 | | 2.48% Pervious Area |
| 7,223 | | 97.52% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 6.0 | | | | | **Direct Entry,** |

### Subcatchment DA-9: DA-9



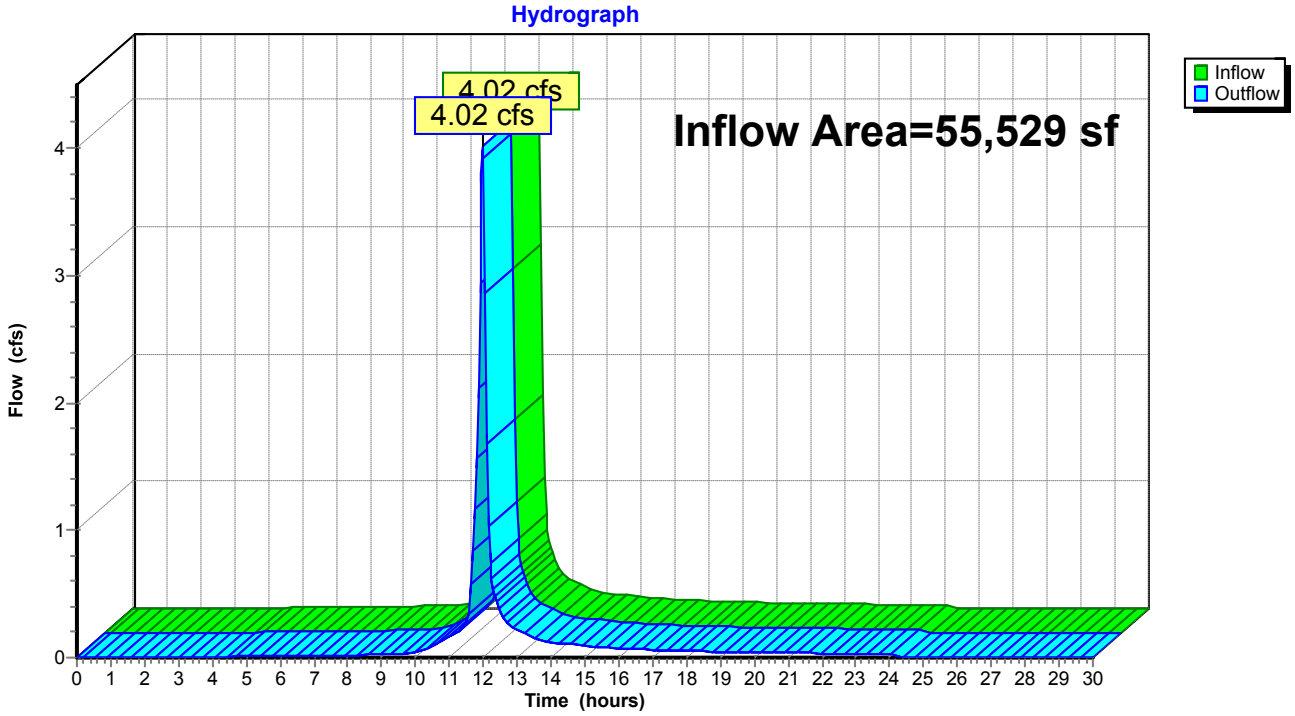
## Summary for Reach DP-1: DP-1

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area = 55,529 sf, 83.13% Impervious, Inflow Depth = 1.93" for 1-YEAR event
Inflow = 4.02 cfs @ 11.98 hrs, Volume= 8,949 cf
Outflow = 4.02 cfs @ 11.98 hrs, Volume= 8,949 cf, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs

### Reach DP-1: DP-1



## Summary for Pond 1P: Underground Infiltration

Inflow Area = 27,166 sf, 92.06% Impervious, Inflow Depth = 2.23" for 1-YEAR event
Inflow = 2.15 cfs @ 11.96 hrs, Volume= 5,045 cf
Outflow = 2.03 cfs @ 11.99 hrs, Volume= 4,766 cf, Atten= 6%, Lag= 1.9 min
Discarded = 0.01 cfs @ 4.35 hrs, Volume= 488 cf
Primary = 2.03 cfs @ 11.99 hrs, Volume= 4,278 cf

Routing by Stor-Ind method, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Peak Elev= 159.77' @ 11.99 hrs Surf.Area= 666 sf Storage= 780 cf

Plug-Flow detention time= 80.8 min calculated for 4,758 cf (94% of inflow)
Center-of-Mass det. time= 49.5 min ( 820.1 - 770.6 )

| Volume | Invert | Avail.Storage | Storage Description |
|---|---|---|---|
| #1A | 157.75' | 772 cf | **11.00'W x 60.58'L x 4.00'H Field A**<br>2,665 cf Overall - 735 cf Embedded = 1,930 cf x 40.0% Voids |
| #2A | 158.75' | 735 cf | **ADS_StormTech SC-740 +Cap** x 16 Inside #1<br>Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf<br>Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap<br>2 Rows of 8 Chambers |
| | | 1,507 cf | Total Available Storage |

Storage Group A created with Chamber Wizard

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 158.95' | **15.0" Round Culvert**<br>L= 15.0' CPP, projecting, no headwall, Ke= 0.900<br>Inlet / Outlet Invert= 158.95' / 158.75' S= 0.0133 '/' Cc= 0.900<br>n= 0.013, Flow Area= 1.23 sf |
| #2 | Discarded | 157.75' | **0.330 in/hr Exfiltration over Surface area** |

**Discarded OutFlow** Max=0.01 cfs @ 4.35 hrs HW=157.79' (Free Discharge)
↑**2=Exfiltration** (Exfiltration Controls 0.01 cfs)

**Primary OutFlow** Max=2.00 cfs @ 11.99 hrs HW=159.76' (Free Discharge)
↑**1=Culvert** (Barrel Controls 2.00 cfs @ 3.39 fps)

## Pond 1P: Underground Infiltration - Chamber Wizard Field A

**Chamber Model = ADS_StormTech SC-740 +Cap (ADS StormTech® SC-740 with cap length)**
Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf
Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap

51.0" Wide + 6.0" Spacing = 57.0" C-C Row Spacing

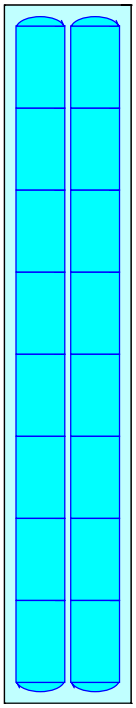
8 Chambers/Row x 7.12' Long +0.81' Cap Length x 2 = 58.58' Row Length +12.0" End Stone x 2 = 60.58' Base Length
2 Rows x 51.0" Wide + 6.0" Spacing x 1 + 12.0" Side Stone x 2 = 11.00' Base Width
12.0" Base + 30.0" Chamber Height + 6.0" Cover = 4.00' Field Height

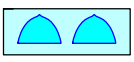
16 Chambers x 45.9 cf = 735.0 cf Chamber Storage

2,665.4 cf Field - 735.0 cf Chambers = 1,930.3 cf Stone x 40.0% Voids = 772.1 cf Stone Storage

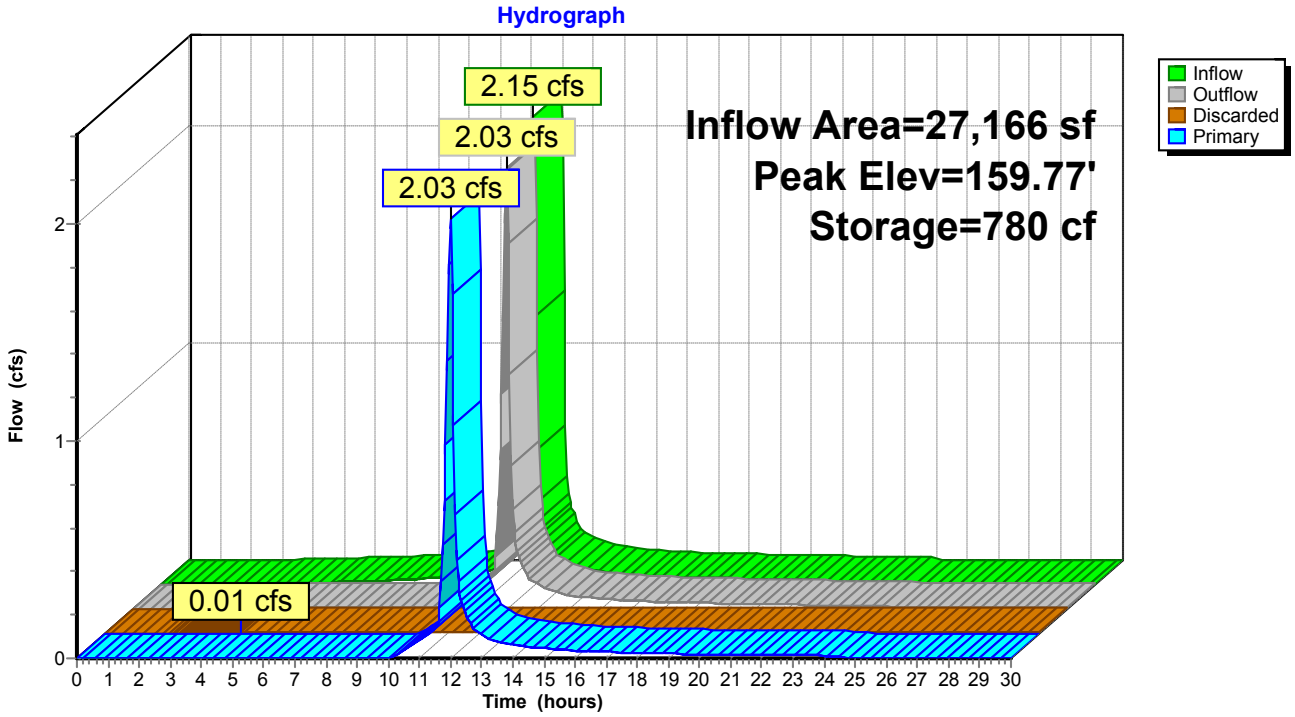
Chamber Storage + Stone Storage = 1,507.2 cf = 0.035 af
Overall Storage Efficiency = 56.5%
Overall System Size = 60.58' x 11.00' x 4.00'

16 Chambers
98.7 cy Field
71.5 cy Stone





## Pond 1P: Underground Infiltration



## Summary for Pond CB-3: PROPOSED CATCH BASIN #3

[81] Warning: Exceeded Pond 1P by 1.54' @ 0.00 hrs

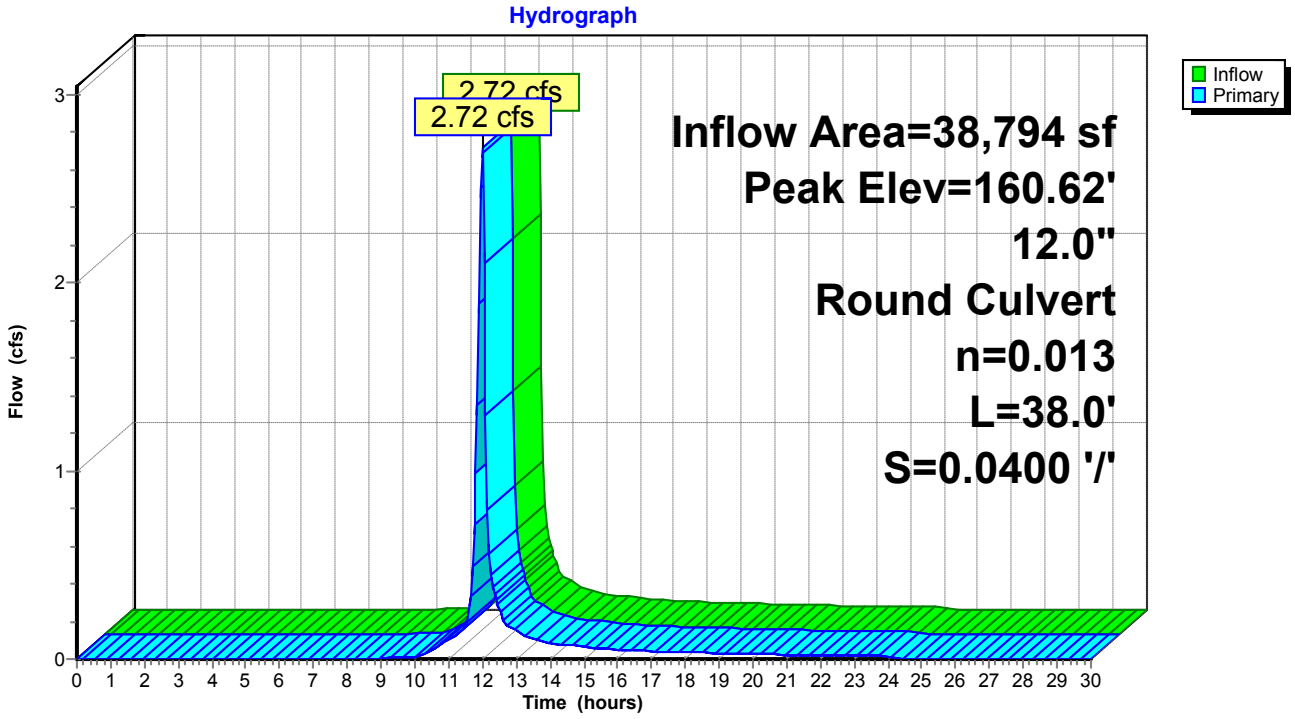
Inflow Area = 38,794 sf, 79.05% Impervious, Inflow Depth = 1.79" for 1-YEAR event
Inflow = 2.72 cfs @ 11.99 hrs, Volume= 5,781 cf
Outflow = 2.72 cfs @ 11.99 hrs, Volume= 5,781 cf, Atten= 0%, Lag= 0.0 min
Primary = 2.72 cfs @ 11.99 hrs, Volume= 5,781 cf

Routing by Stor-Ind method, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Peak Elev= 160.62' @ 11.99 hrs
Flood Elev= 173.90'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 159.29' | **12.0" Round Culvert**<br>L= 38.0' CPP, projecting, no headwall, Ke= 0.900<br>Inlet / Outlet Invert= 159.29' / 157.77' S= 0.0400 '/' Cc= 0.900<br>n= 0.013, Flow Area= 0.79 sf |

**Primary OutFlow** Max=2.65 cfs @ 11.99 hrs HW=160.58' (Free Discharge)
└**1=Culvert** (Inlet Controls 2.65 cfs @ 3.37 fps)

## Pond CB-3: PROPOSED CATCH BASIN #3



## Summary for Pond CB-4: PROPOSED CATCH BASIN #4

[79] Warning: Submerged Pond CB-3 Primary device # 1 OUTLET by 1.31'
[79] Warning: Submerged Pond CB-5 Primary device # 1 INLET by 0.18'

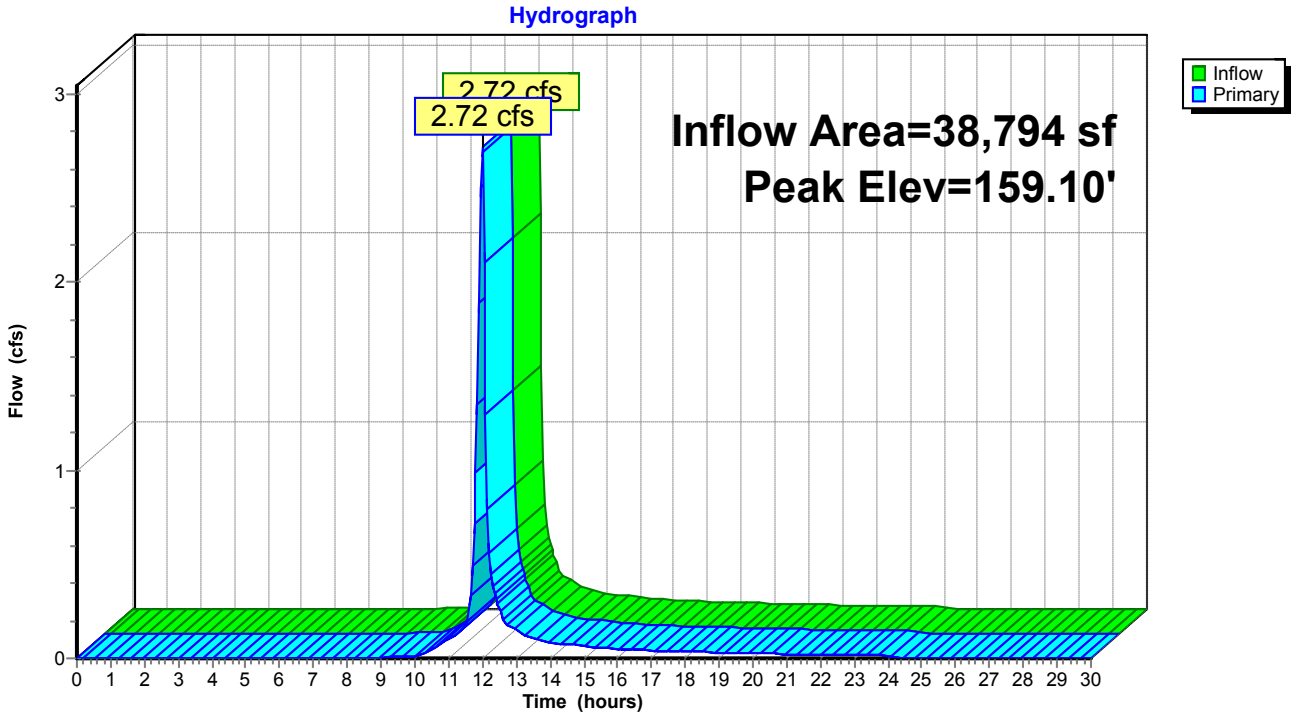
Inflow Area = 38,794 sf, 79.05% Impervious, Inflow Depth = 1.79" for 1-YEAR event
Inflow = 2.72 cfs @ 11.99 hrs, Volume= 5,781 cf
Outflow = 2.72 cfs @ 11.99 hrs, Volume= 5,781 cf, Atten= 0%, Lag= 0.0 min
Primary = 2.72 cfs @ 11.99 hrs, Volume= 5,781 cf

Routing by Stor-Ind method, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Peak Elev= 159.10' @ 11.99 hrs
Flood Elev= 161.00'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 157.77' | **12.0" Round Culvert**<br>L= 30.0' CPP, projecting, no headwall, Ke= 0.900<br>Inlet / Outlet Invert= 157.77' / 157.47' S= 0.0100 '/' Cc= 0.900<br>n= 0.013, Flow Area= 0.79 sf |
| #2 | Primary | 160.87' | **3.0' long x 3.0' breadth Broad-Crested Rectangular Weir**<br>Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50<br>Coef. (English) 2.44 2.58 2.68 2.67 2.65 2.64 2.64 2.68 2.68 2.72 2.81 2.92 2.97 3.07 3.32 |

**Primary OutFlow** Max=2.65 cfs @ 11.99 hrs HW=159.05' (Free Discharge)
**1=Culvert** (Inlet Controls 2.65 cfs @ 3.37 fps)
**2=Broad-Crested Rectangular Weir** ( Controls 0.00 cfs)

## Pond CB-4: PROPOSED CATCH BASIN #4



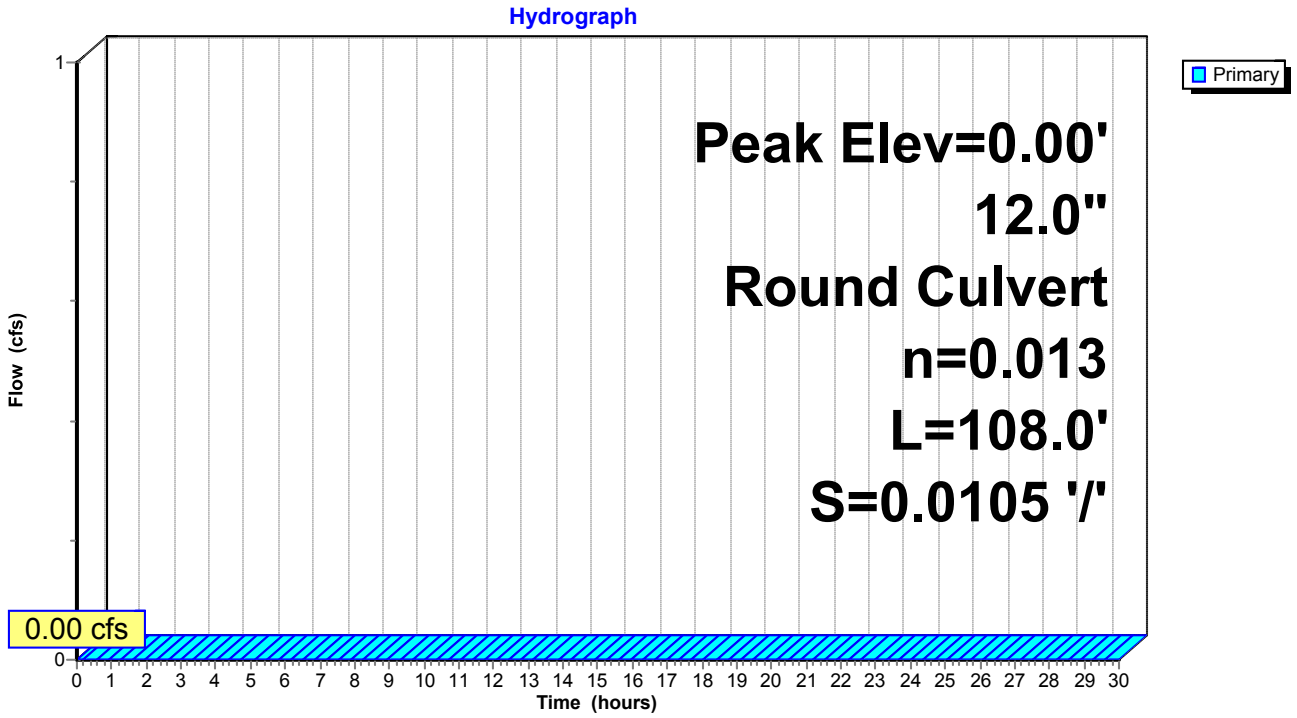
## Summary for Pond CB-5: PROPOSED CATCH BASIN #5

[43] Hint: Has no inflow (Outflow=Zero)

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 158.90' | **12.0" Round Culvert**<br>L= 108.0' CPP, projecting, no headwall, Ke= 0.900<br>Inlet / Outlet Invert= 158.90' / 157.77' S= 0.0105 '/' Cc= 0.900<br>n= 0.013, Flow Area= 0.79 sf |

**Primary OutFlow** Max=0.00 cfs @ 0.00 hrs HW=0.00' (Free Discharge)
**1=Culvert** ( Controls 0.00 cfs)

## Pond CB-5: PROPOSED CATCH BASIN #5



## Summary for Pond CB-6: PROPOSED CATCH BASIN #6

[81] Warning: Exceeded Pond CB-4 by 0.08' @ 11.95 hrs

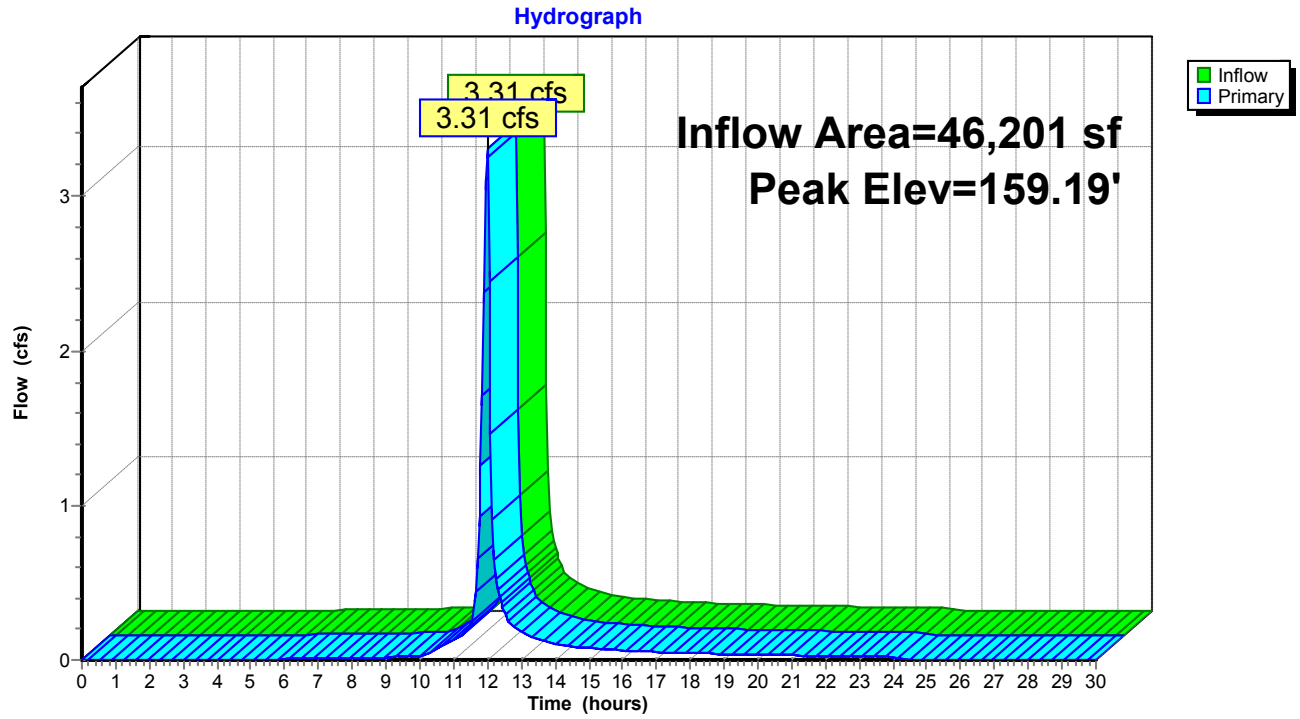
Inflow Area = 46,201 sf, 82.01% Impervious, Inflow Depth = 1.88" for 1-YEAR event
Inflow = 3.31 cfs @ 11.98 hrs, Volume= 7,250 cf
Outflow = 3.31 cfs @ 11.98 hrs, Volume= 7,250 cf, Atten= 0%, Lag= 0.0 min
Primary = 3.31 cfs @ 11.98 hrs, Volume= 7,250 cf

Routing by Stor-Ind method, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Peak Elev= 159.19' @ 11.98 hrs
Flood Elev= 161.00'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 157.47' | **12.0" Round Culvert**<br>L= 49.0' CPP, projecting, no headwall, Ke= 0.900<br>Inlet / Outlet Invert= 157.47' / 155.60' S= 0.0382 '/' Cc= 0.900<br>n= 0.013, Flow Area= 0.79 sf |
| #2 | Primary | 161.00' | **3.0' long x 3.0' breadth Broad-Crested Rectangular Weir**<br>Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50<br>Coef. (English) 2.44 2.58 2.68 2.67 2.65 2.64 2.64 2.68 2.68 2.72 2.81 2.92 2.97 3.07 3.32 |

**Primary OutFlow** Max=3.20 cfs @ 11.98 hrs HW=159.12' (Free Discharge)
└**1=Culvert** (Inlet Controls 3.20 cfs @ 4.08 fps)
└**2=Broad-Crested Rectangular Weir** ( Controls 0.00 cfs)

## Pond CB-6: PROPOSED CATCH BASIN #6



## Summary for Pond EX-CB: EXISTING CATCH BASIN

[79] Warning: Submerged Pond CB-6 Primary device # 1 OUTLET by 0.13'
[79] Warning: Submerged Pond YD-5 Primary device # 1 OUTLET by 0.13'

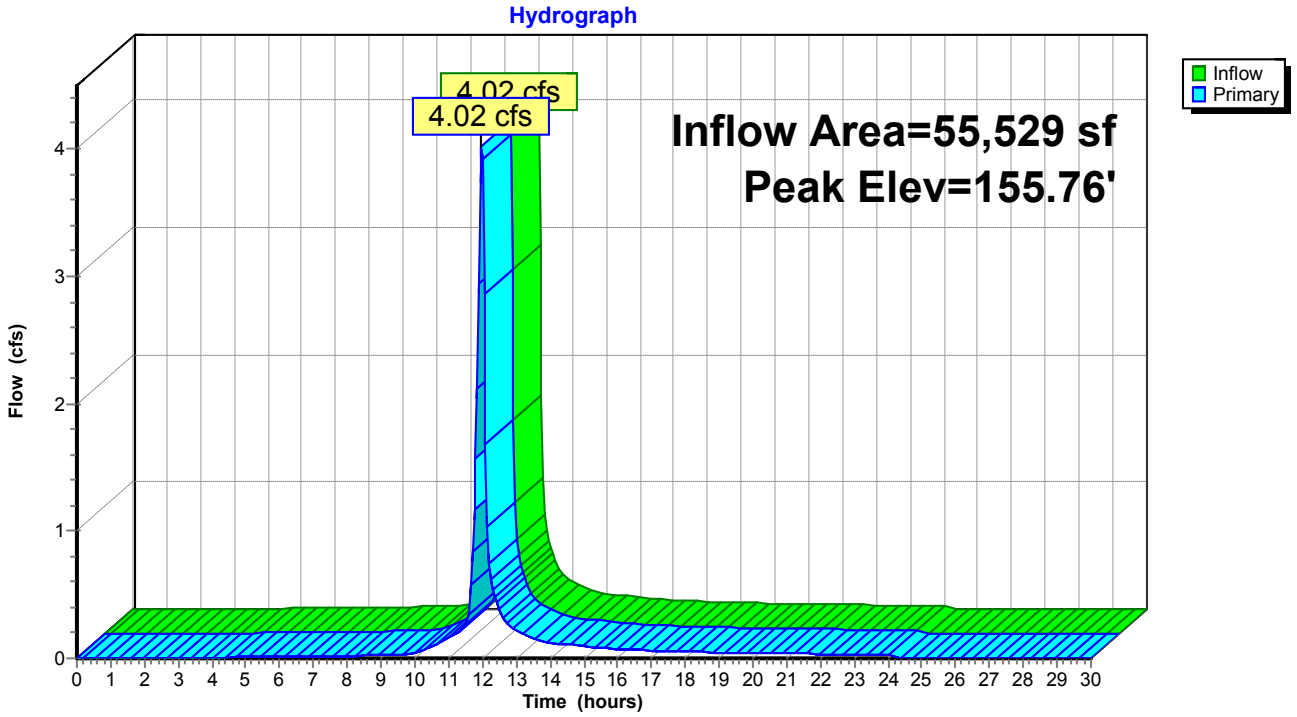
Inflow Area = 55,529 sf, 83.13% Impervious, Inflow Depth = 1.93" for 1-YEAR event
Inflow = 4.02 cfs @ 11.98 hrs, Volume= 8,949 cf
Outflow = 4.02 cfs @ 11.98 hrs, Volume= 8,949 cf, Atten= 0%, Lag= 0.0 min
Primary = 4.02 cfs @ 11.98 hrs, Volume= 8,949 cf

Routing by Stor-Ind method, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Peak Elev= 155.76' @ 11.98 hrs
Flood Elev= 157.95'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 154.40' | **15.0" Round Culvert**<br>L= 26.0' CPP, projecting, no headwall, Ke= 0.900<br>Inlet / Outlet Invert= 154.40' / 153.50' S= 0.0346 '/' Cc= 0.900<br>n= 0.013, Flow Area= 1.23 sf |
| #2 | Primary | 157.97' | **3.0' long x 3.0' breadth Broad-Crested Rectangular Weir**<br>Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50<br>Coef. (English) 2.44 2.58 2.68 2.67 2.65 2.64 2.64 2.68 2.68 2.72 2.81 2.92 2.97 3.07 3.32 |

**Primary OutFlow** Max=3.88 cfs @ 11.98 hrs HW=155.72' (Free Discharge)
**1=Culvert** (Inlet Controls 3.88 cfs @ 3.16 fps)
**2=Broad-Crested Rectangular Weir** ( Controls 0.00 cfs)

## Pond EX-CB: EXISTING CATCH BASIN



## Summary for Pond YD-1: PROPOSED YARD DRAIN #1

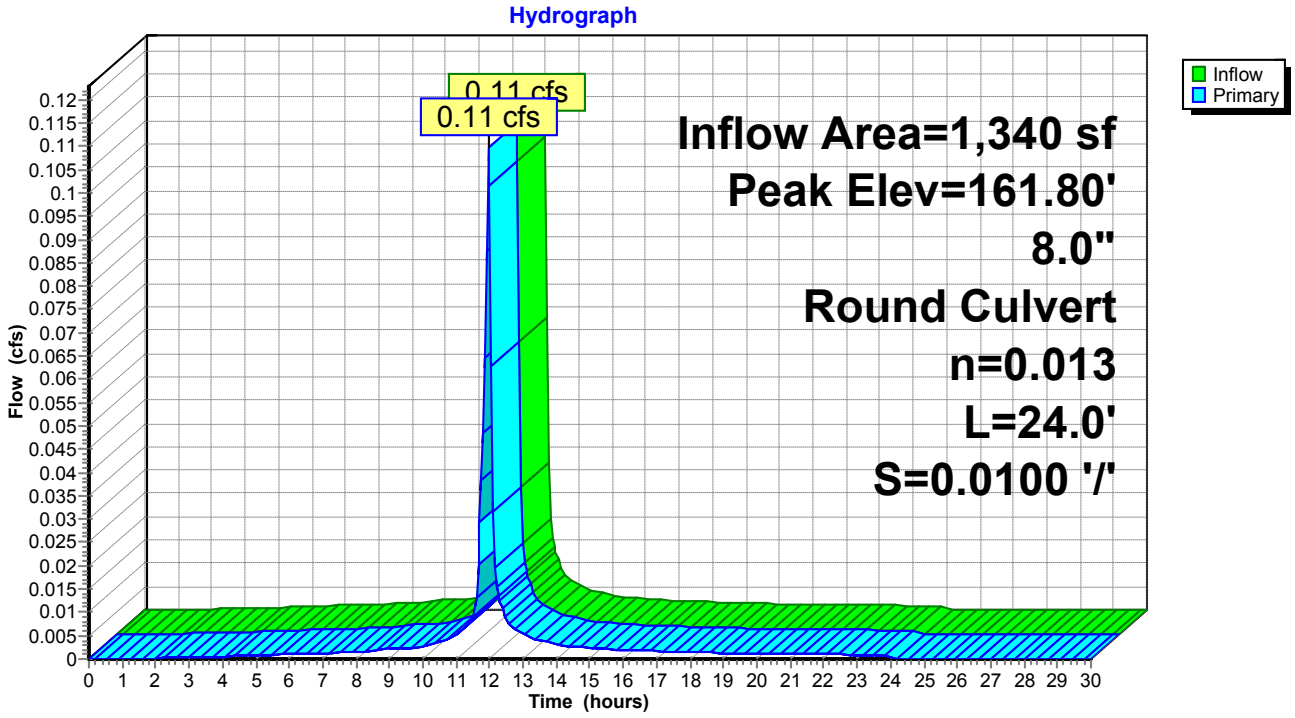
Inflow Area = 1,340 sf,100.00% Impervious, Inflow Depth = 2.38" for 1-YEAR event
Inflow = 0.11 cfs @ 11.96 hrs, Volume= 266 cf
Outflow = 0.11 cfs @ 11.96 hrs, Volume= 266 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.11 cfs @ 11.96 hrs, Volume= 266 cf

Routing by Stor-Ind method, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Peak Elev= 161.80' @ 11.96 hrs
Flood Elev= 164.10'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 161.60' | **8.0" Round Culvert**<br>L= 24.0' CPP, projecting, no headwall, Ke= 0.900<br>Inlet / Outlet Invert= 161.60' / 161.36' S= 0.0100 '/' Cc= 0.900<br>n= 0.013, Flow Area= 0.35 sf |

**Primary OutFlow** Max=0.11 cfs @ 11.96 hrs HW=161.80' (Free Discharge)
**1=Culvert** (Inlet Controls 0.11 cfs @ 1.21 fps)

## Pond YD-1: PROPOSED YARD DRAIN #1



## Summary for Pond YD-2: PROPOSED YARD DRAIN #2

[79] Warning: Submerged Pond YD-1 Primary device # 1 INLET by 0.07'

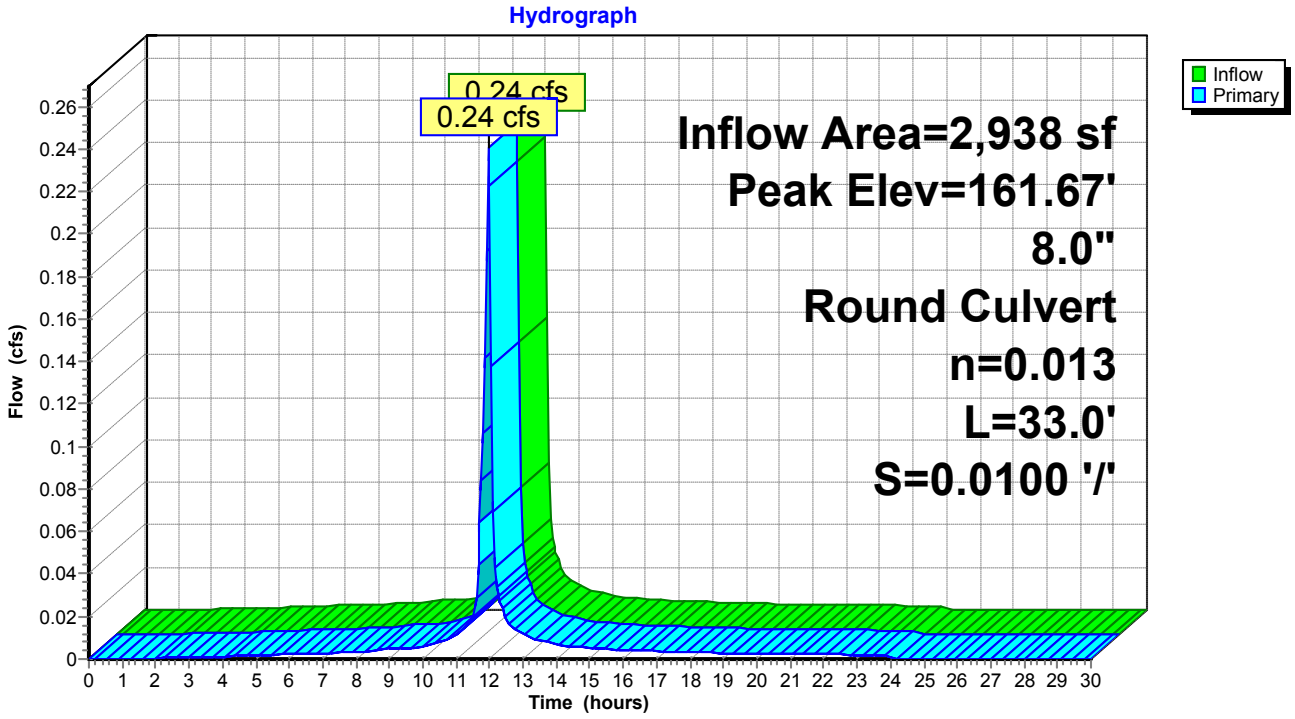
Inflow Area = 2,938 sf,100.00% Impervious, Inflow Depth = 2.38" for 1-YEAR event
Inflow = 0.24 cfs @ 11.96 hrs, Volume= 583 cf
Outflow = 0.24 cfs @ 11.96 hrs, Volume= 583 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.24 cfs @ 11.96 hrs, Volume= 583 cf

Routing by Stor-Ind method, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Peak Elev= 161.67' @ 11.96 hrs
Flood Elev= 164.10'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 161.36' | **8.0" Round Culvert**<br>L= 33.0' CPP, projecting, no headwall, Ke= 0.900<br>Inlet / Outlet Invert= 161.36' / 161.03' S= 0.0100 '/' Cc= 0.900<br>n= 0.013, Flow Area= 0.35 sf |

**Primary OutFlow** Max=0.23 cfs @ 11.96 hrs HW=161.67' (Free Discharge)
└**1=Culvert** (Inlet Controls 0.23 cfs @ 1.49 fps)

## Pond YD-2: PROPOSED YARD DRAIN #2



## Summary for Pond YD-3: PROPOSED YARD DRAIN #3

[79] Warning: Submerged Pond YD-2 Primary device # 1 INLET by 0.07'

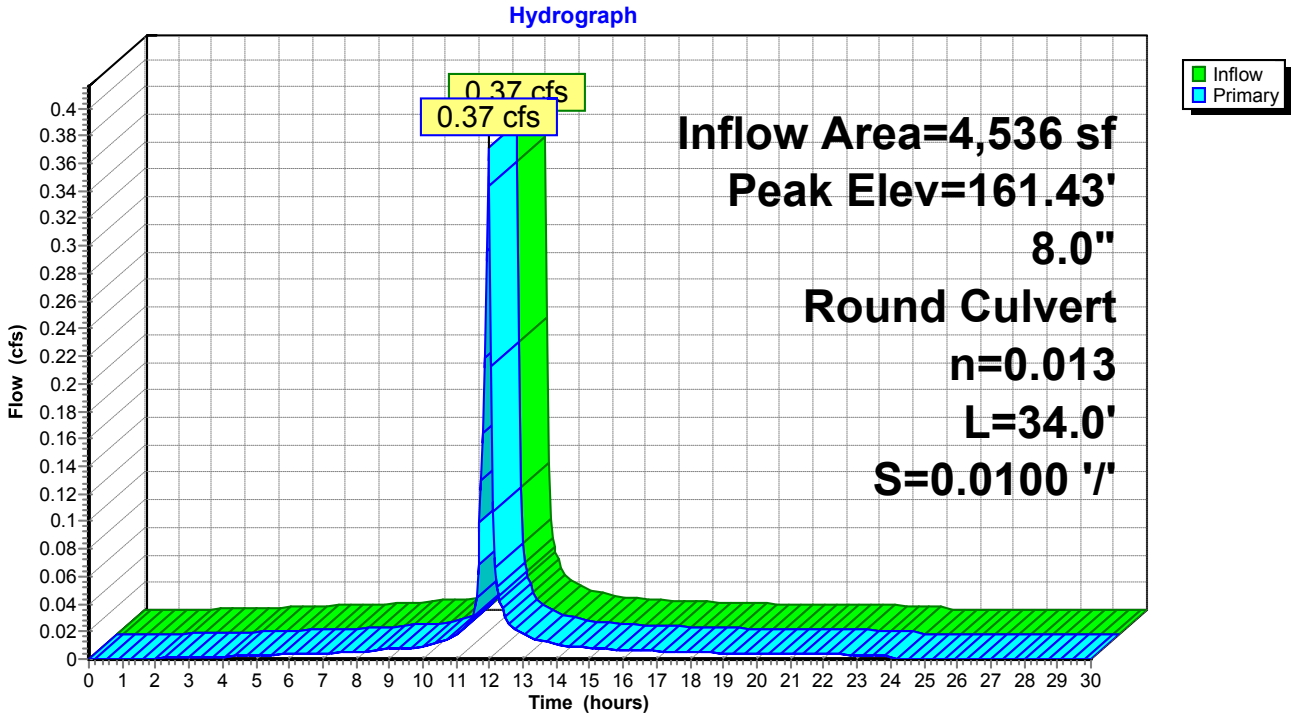
Inflow Area = 4,536 sf,100.00% Impervious, Inflow Depth = 2.38" for 1-YEAR event
Inflow = 0.37 cfs @ 11.96 hrs, Volume= 900 cf
Outflow = 0.37 cfs @ 11.96 hrs, Volume= 900 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.37 cfs @ 11.96 hrs, Volume= 900 cf

Routing by Stor-Ind method, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Peak Elev= 161.43' @ 11.96 hrs
Flood Elev= 164.10'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 161.03' | **8.0" Round Culvert**<br>L= 34.0' CPP, projecting, no headwall, Ke= 0.900<br>Inlet / Outlet Invert= 161.03' / 160.69' S= 0.0100 '/' Cc= 0.900<br>n= 0.013, Flow Area= 0.35 sf |

**Primary OutFlow** Max=0.36 cfs @ 11.96 hrs HW=161.42' (Free Discharge)
└**1=Culvert** (Inlet Controls 0.36 cfs @ 1.69 fps)

## Pond YD-3: PROPOSED YARD DRAIN #3



## Summary for Pond YD-4: PROPOSED YARD DRAIN #4

[79] Warning: Submerged Pond YD-3 Primary device # 1 INLET by 0.17'

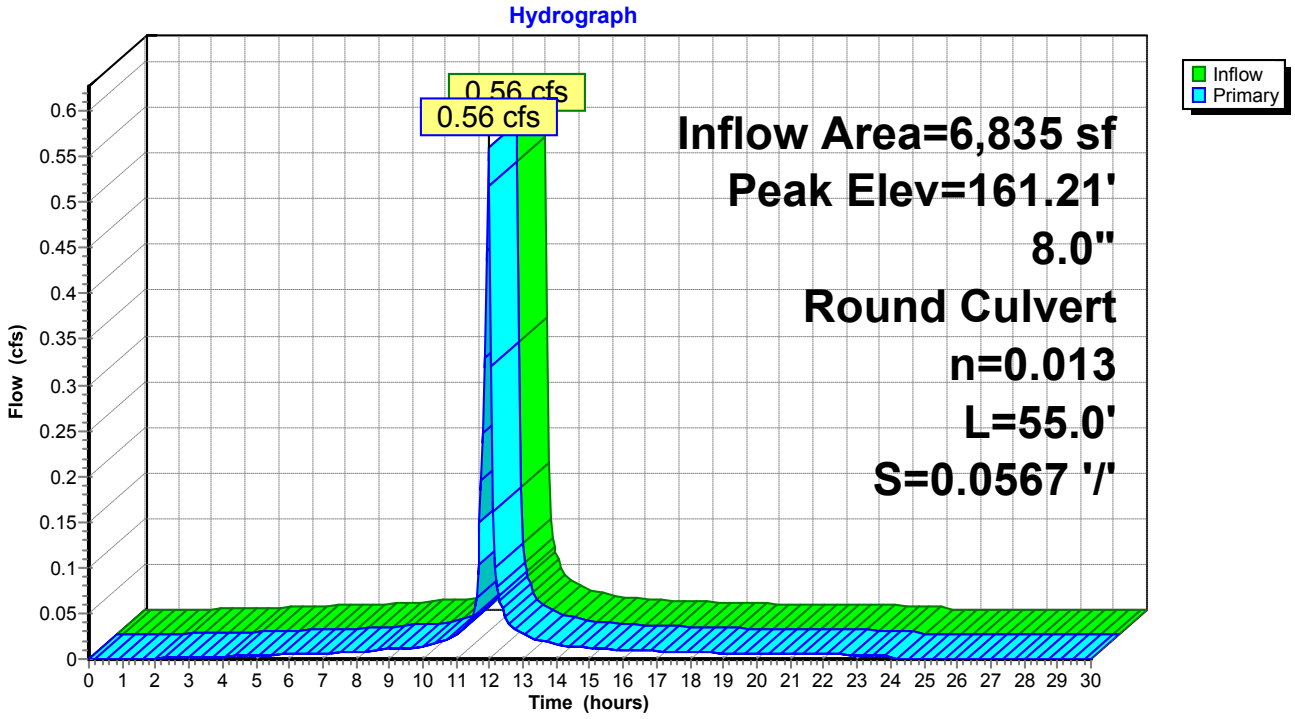
Inflow Area = 6,835 sf,100.00% Impervious, Inflow Depth = 2.38" for 1-YEAR event
Inflow = 0.56 cfs @ 11.96 hrs, Volume= 1,356 cf
Outflow = 0.56 cfs @ 11.96 hrs, Volume= 1,356 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.56 cfs @ 11.96 hrs, Volume= 1,356 cf

Routing by Stor-Ind method, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Peak Elev= 161.21' @ 11.96 hrs
Flood Elev= 164.10'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 160.69' | **8.0" Round Culvert**<br>L= 55.0' CPP, projecting, no headwall, Ke= 0.900<br>Inlet / Outlet Invert= 160.69' / 157.57' S= 0.0567 '/' Cc= 0.900<br>n= 0.013, Flow Area= 0.35 sf |

**Primary OutFlow** Max=0.55 cfs @ 11.96 hrs HW=161.20' (Free Discharge)
└**1=Culvert** (Inlet Controls 0.55 cfs @ 1.92 fps)

## Pond YD-4: PROPOSED YARD DRAIN #4



## Summary for Pond YD-5: PROPOSED YARD DRAIN #5

[79] Warning: Submerged Pond YD-4 Primary device # 1 OUTLET by 0.54'

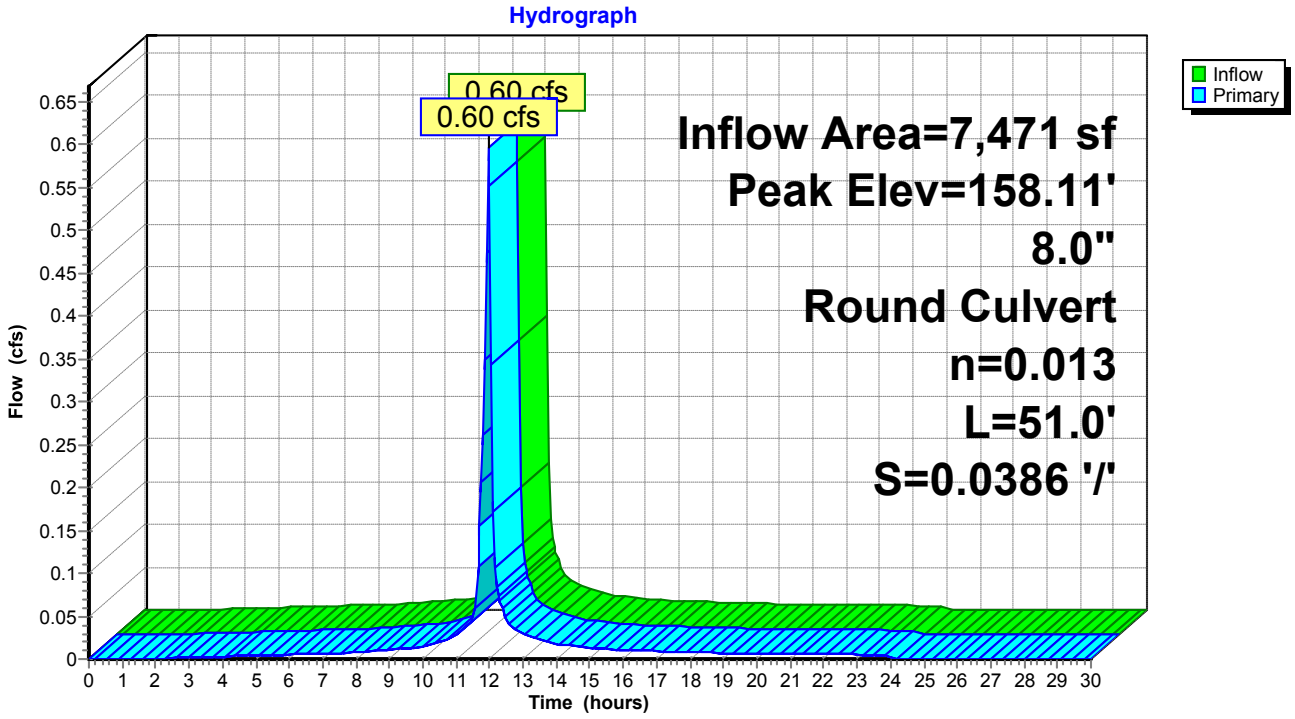
Inflow Area = 7,471 sf, 95.34% Impervious, Inflow Depth = 2.30" for 1-YEAR event
Inflow = 0.60 cfs @ 11.96 hrs, Volume= 1,434 cf
Outflow = 0.60 cfs @ 11.96 hrs, Volume= 1,434 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.60 cfs @ 11.96 hrs, Volume= 1,434 cf

Routing by Stor-Ind method, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Peak Elev= 158.11' @ 11.96 hrs
Flood Elev= 160.20'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 157.57' | **8.0" Round Culvert**<br>L= 51.0' CPP, projecting, no headwall, Ke= 0.900<br>Inlet / Outlet Invert= 157.57' / 155.60' S= 0.0386 '/' Cc= 0.900<br>n= 0.013, Flow Area= 0.35 sf |

**Primary OutFlow** Max=0.58 cfs @ 11.96 hrs HW=158.10' (Free Discharge)
**1=Culvert** (Inlet Controls 0.58 cfs @ 1.96 fps)

## Pond YD-5: PROPOSED YARD DRAIN #5



Time span=0.00-30.00 hrs, dt=0.05 hrs, 601 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

**Subcatchment DA-1: DA-1** Runoff Area=14,517 sf 93.28% Impervious Runoff Depth=2.82"
Tc=6.0 min CN=97 Runoff=1.43 cfs 3,408 cf

**Subcatchment DA-10: DA-10** Runoff Area=636 sf 45.28% Impervious Runoff Depth=1.96"
Tc=6.0 min CN=88 Runoff=0.05 cfs 104 cf

**Subcatchment DA-11: DA-11** Runoff Area=4,403 sf 100.00% Impervious Runoff Depth=2.93"
Tc=6.0 min CN=98 Runoff=0.44 cfs 1,074 cf

**Subcatchment DA-12: DA-12** Runoff Area=1,857 sf 61.82% Impervious Runoff Depth=2.22"
Tc=6.0 min CN=91 Runoff=0.16 cfs 344 cf

**Subcatchment DA-2: DA-2** Runoff Area=8,246 sf 85.68% Impervious Runoff Depth=2.61"
Tc=6.0 min CN=95 Runoff=0.78 cfs 1,791 cf

**Subcatchment DA-4: DA-4** Runoff Area=11,628 sf 48.64% Impervious Runoff Depth=2.05"
Tc=6.0 min CN=89 Runoff=0.92 cfs 1,982 cf

**Subcatchment DA-5: DA-5** Runoff Area=1,340 sf 100.00% Impervious Runoff Depth=2.93"
Tc=6.0 min CN=98 Runoff=0.13 cfs 327 cf

**Subcatchment DA-6: DA-6** Runoff Area=1,598 sf 100.00% Impervious Runoff Depth=2.93"
Tc=6.0 min CN=98 Runoff=0.16 cfs 390 cf

**Subcatchment DA-7: DA-7** Runoff Area=1,598 sf 100.00% Impervious Runoff Depth=2.93"
Tc=6.0 min CN=98 Runoff=0.16 cfs 390 cf

**Subcatchment DA-8: DA-8** Runoff Area=2,299 sf 100.00% Impervious Runoff Depth=2.93"
Tc=6.0 min CN=98 Runoff=0.23 cfs 561 cf

**Subcatchment DA-9: DA-9** Runoff Area=7,407 sf 97.52% Impervious Runoff Depth=2.93"
Tc=6.0 min CN=98 Runoff=0.74 cfs 1,807 cf

**Reach DP-1: DP-1** Inflow=5.00 cfs 11,398 cf
Outflow=5.00 cfs 11,398 cf

**Pond 1P: Underground Infiltration** Peak Elev=159.88' Storage=836 cf Inflow=2.64 cfs 6,273 cf
Discarded=0.01 cfs 499 cf Primary=2.50 cfs 5,494 cf Outflow=2.51 cfs 5,993 cf

**Pond CB-3: PROPOSED CATCH BASIN #3** Peak Elev=161.08' Inflow=3.41 cfs 7,476 cf
12.0" Round Culvert n=0.013 L=38.0' S=0.0400 '/' Outflow=3.41 cfs 7,476 cf

**Pond CB-4: PROPOSED CATCH BASIN #4** Peak Elev=159.56' Inflow=3.41 cfs 7,476 cf
Outflow=3.41 cfs 7,476 cf

**Pond CB-5: PROPOSED CATCH BASIN #5** Peak Elev=0.00'
12.0" Round Culvert n=0.013 L=108.0' S=0.0105 '/' Primary=0.00 cfs 0 cf

**Pond CB-6: PROPOSED CATCH BASIN #6** Peak Elev=159.87' Inflow=4.13 cfs 9,283 cf
Outflow=4.13 cfs 9,283 cf

**Pond EX-CB: EXISTING CATCH BASIN** Peak Elev=156.17' Inflow=5.00 cfs 11,398 cf
Outflow=5.00 cfs 11,398 cf

**Pond YD-1: PROPOSED YARD DRAIN #1** Peak Elev=161.83' Inflow=0.13 cfs 327 cf
8.0" Round Culvert n=0.013 L=24.0' S=0.0100 '/' Outflow=0.13 cfs 327 cf

**Pond YD-2: PROPOSED YARD DRAIN #2** Peak Elev=161.71' Inflow=0.29 cfs 717 cf
8.0" Round Culvert n=0.013 L=33.0' S=0.0100 '/' Outflow=0.29 cfs 717 cf

**Pond YD-3: PROPOSED YARD DRAIN #3** Peak Elev=161.48' Inflow=0.45 cfs 1,107 cf
8.0" Round Culvert n=0.013 L=34.0' S=0.0100 '/' Outflow=0.45 cfs 1,107 cf

**Pond YD-4: PROPOSED YARD DRAIN #4** Peak Elev=161.28' Inflow=0.68 cfs 1,668 cf
8.0" Round Culvert n=0.013 L=55.0' S=0.0567 '/' Outflow=0.68 cfs 1,668 cf

**Pond YD-5: PROPOSED YARD DRAIN #5** Peak Elev=158.20' Inflow=0.73 cfs 1,771 cf
8.0" Round Culvert n=0.013 L=51.0' S=0.0386 '/' Outflow=0.73 cfs 1,771 cf

**Total Runoff Area = 55,529 sf Runoff Volume = 12,176 cf Average Runoff Depth = 2.63"**
**16.87% Pervious = 9,369 sf 83.13% Impervious = 46,160 sf**

## Summary for Subcatchment DA-1: DA-1

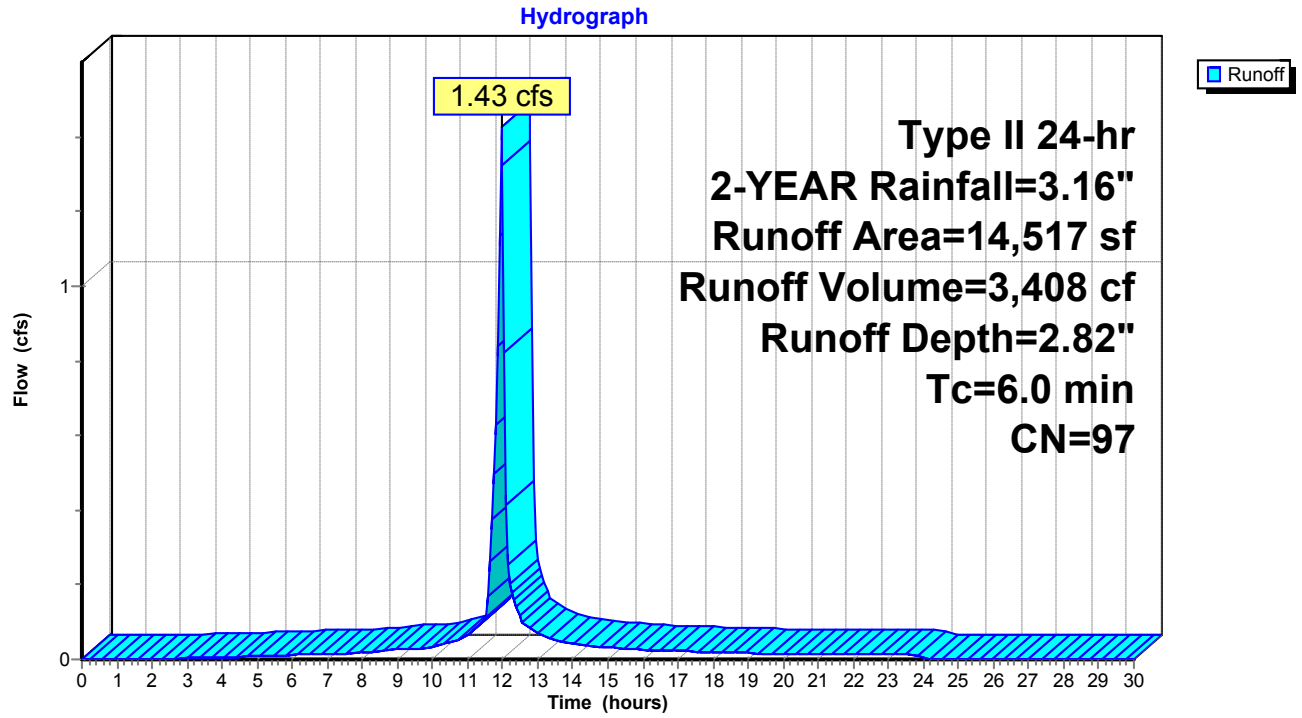
Runoff = 1.43 cfs @ 11.96 hrs, Volume= 3,408 cf, Depth= 2.82"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YEAR Rainfall=3.16"

| Area (sf) | CN | Description |
|---|---|---|
| 975 | 80 | >75% Grass cover, Good, HSG D |
| 13,542 | 98 | Paved parking, HSG D |
| 14,517 | 97 | Weighted Average |
| 975 | | 6.72% Pervious Area |
| 13,542 | | 93.28% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 6.0 | | | | | **Direct Entry,** |

### Subcatchment DA-1: DA-1



## Summary for Subcatchment DA-10: DA-10

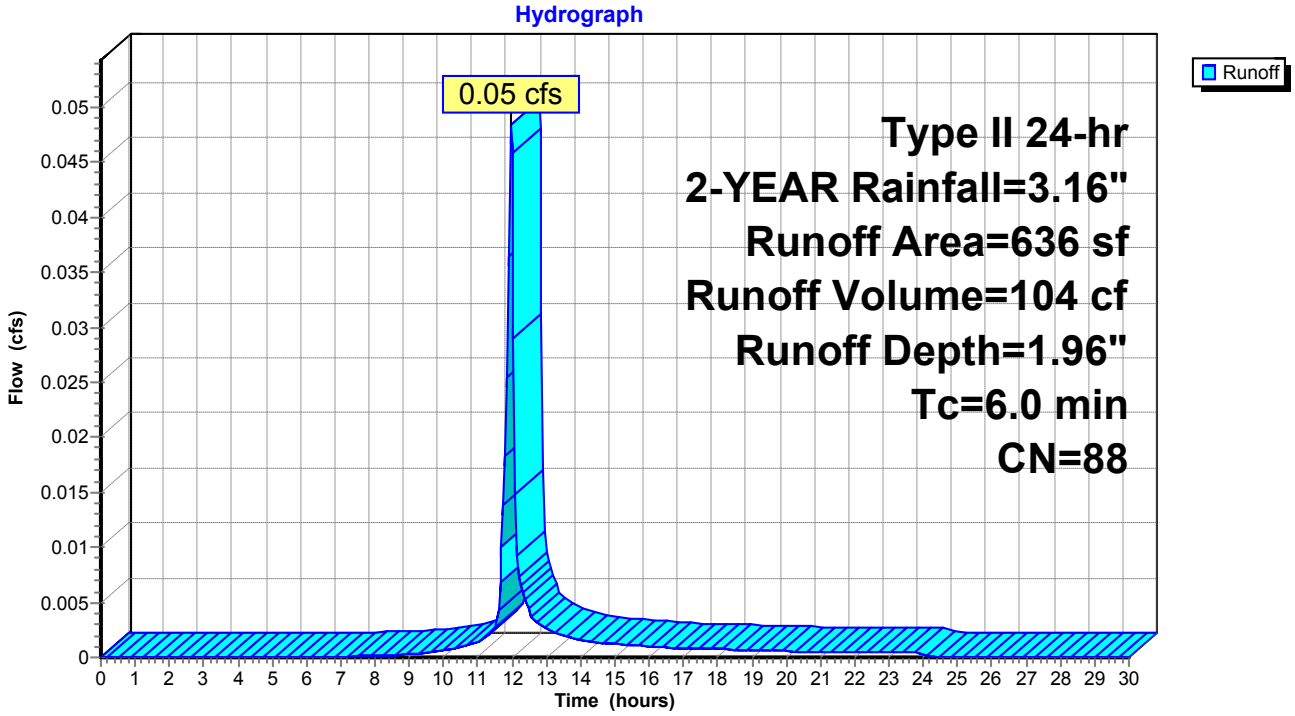
Runoff = 0.05 cfs @ 11.97 hrs, Volume= 104 cf, Depth= 1.96"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YEAR Rainfall=3.16"

| Area (sf) | CN | Description |
|---|---|---|
| 348 | 80 | >75% Grass cover, Good, HSG D |
| 288 | 98 | Paved parking, HSG D |
| 636 | 88 | Weighted Average |
| 348 | | 54.72% Pervious Area |
| 288 | | 45.28% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 6.0 | | | | | **Direct Entry,** |

### Subcatchment DA-10: DA-10



## Summary for Subcatchment DA-11: DA-11

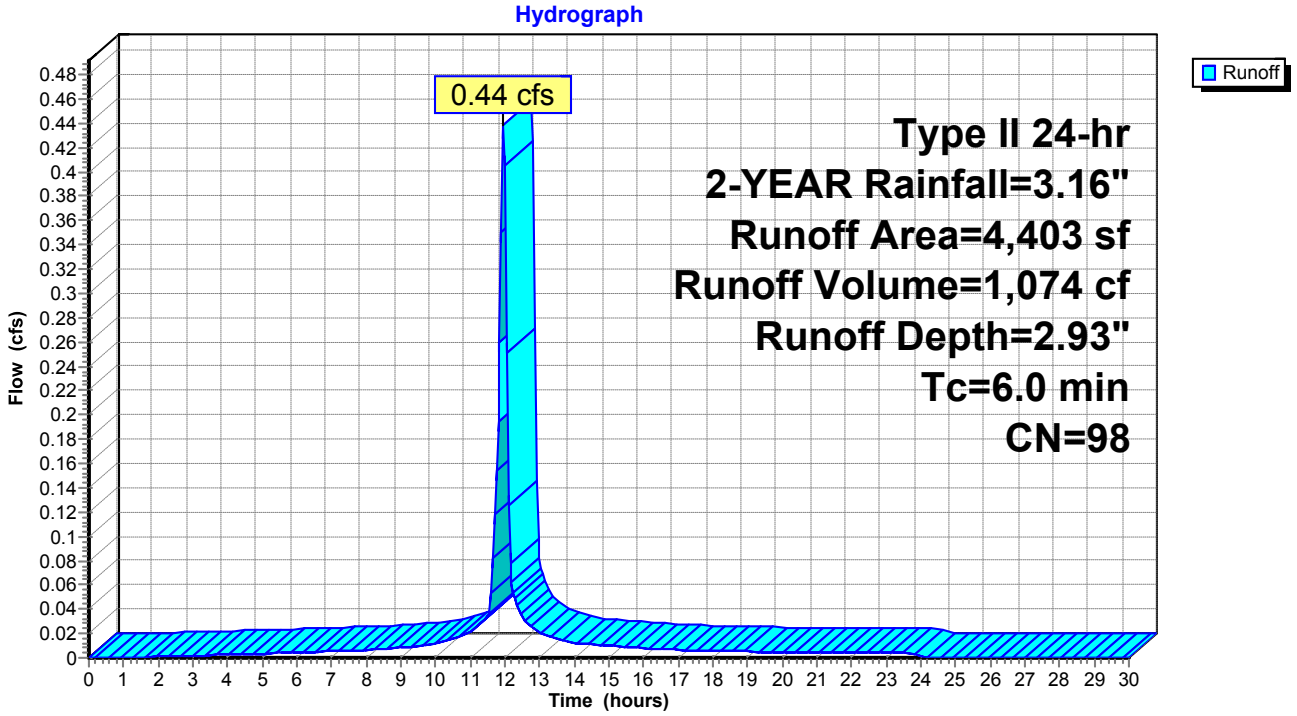
Runoff = 0.44 cfs @ 11.96 hrs, Volume= 1,074 cf, Depth= 2.93"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YEAR Rainfall=3.16"

| Area (sf) | CN | Description |
|---|---|---|
| 4,403 | 98 | Roofs, HSG D |
| 4,403 | | 100.00% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 6.0 | | | | | **Direct Entry,** |

## Subcatchment DA-11: DA-11



## Summary for Subcatchment DA-12: DA-12

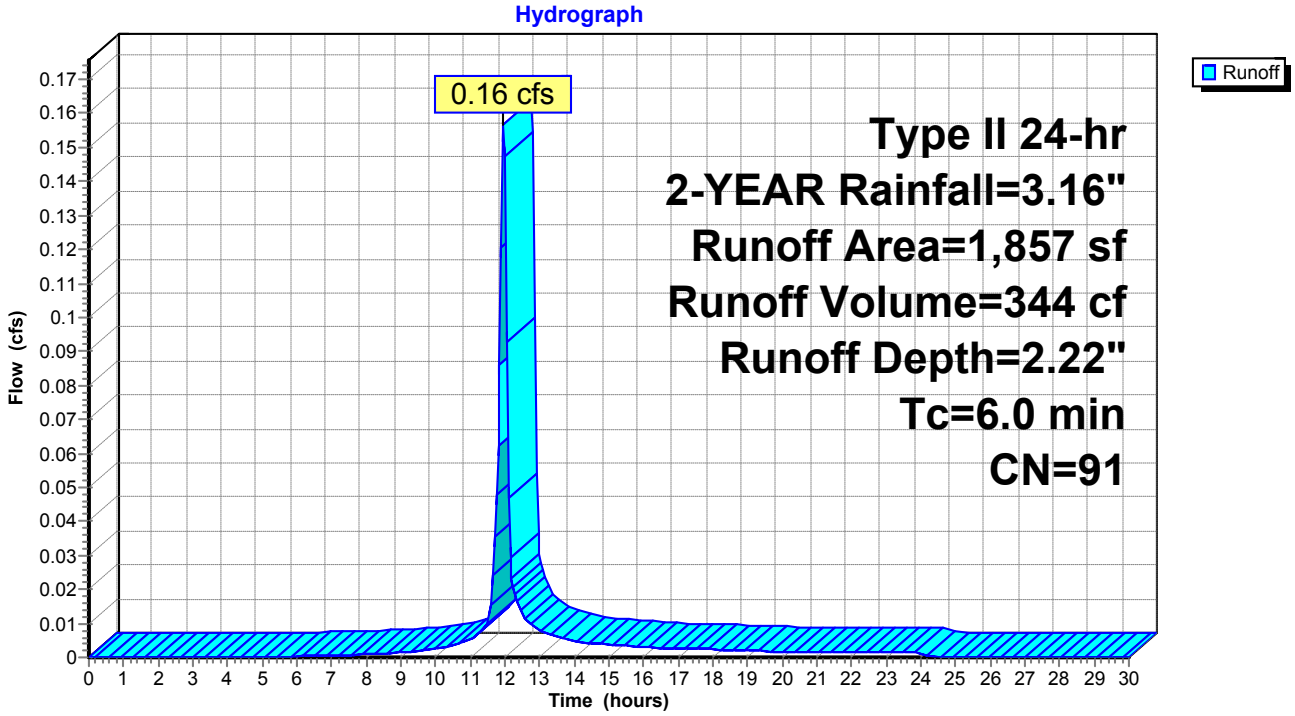
Runoff = 0.16 cfs @ 11.97 hrs, Volume= 344 cf, Depth= 2.22"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YEAR Rainfall=3.16"

| Area (sf) | CN | Description |
|---|---|---|
| 709 | 80 | >75% Grass cover, Good, HSG D |
| 1,148 | 98 | Paved parking, HSG D |
| 1,857 | 91 | Weighted Average |
| 709 | | 38.18% Pervious Area |
| 1,148 | | 61.82% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 6.0 | | | | | **Direct Entry,** |

### Subcatchment DA-12: DA-12



## Summary for Subcatchment DA-2: DA-2

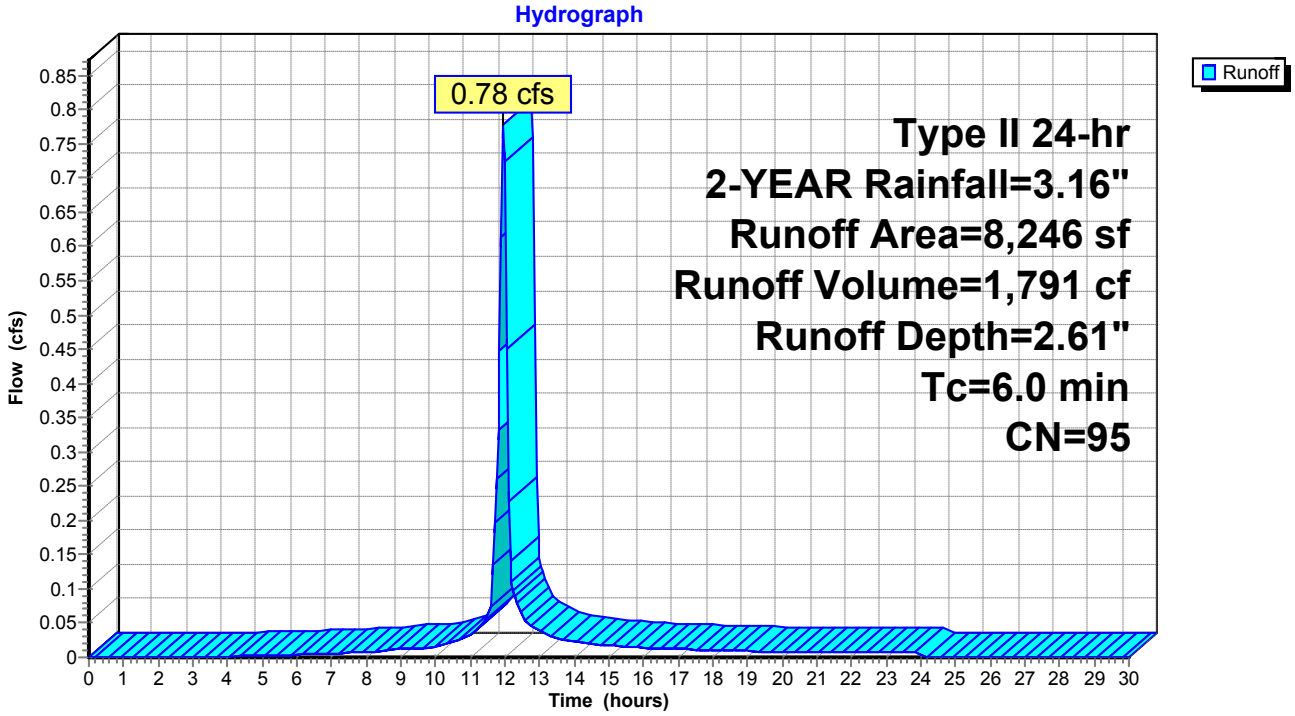
Runoff = 0.78 cfs @ 11.96 hrs, Volume= 1,791 cf, Depth= 2.61"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YEAR Rainfall=3.16"

| Area (sf) | CN | Description |
|---|---|---|
| 1,181 | 80 | >75% Grass cover, Good, HSG D |
| 7,065 | 98 | Paved parking, HSG D |
| 8,246 | 95 | Weighted Average |
| 1,181 | | 14.32% Pervious Area |
| 7,065 | | 85.68% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 6.0 | | | | | **Direct Entry,** |

## Subcatchment DA-2: DA-2



## Summary for Subcatchment DA-4: DA-4

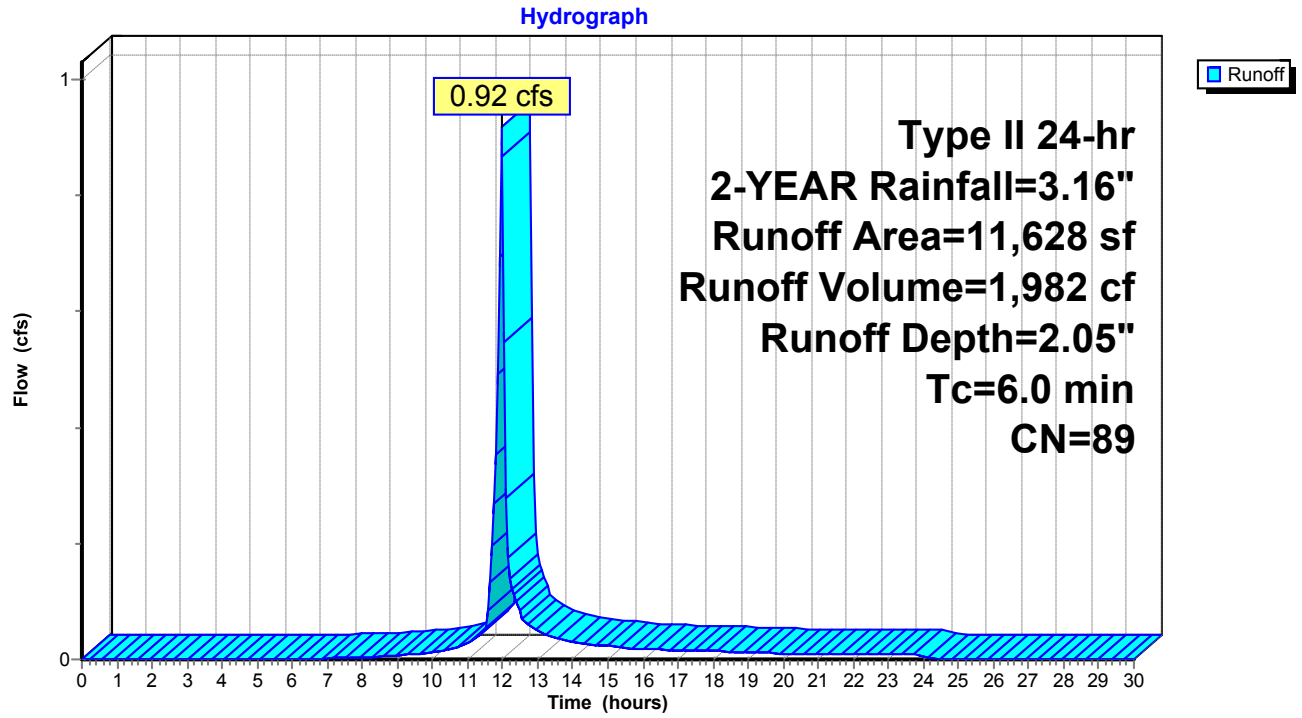
Runoff = 0.92 cfs @ 11.97 hrs, Volume= 1,982 cf, Depth= 2.05"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YEAR Rainfall=3.16"

| Area (sf) | CN | Description |
|---|---|---|
| 5,972 | 80 | >75% Grass cover, Good, HSG D |
| 5,656 | 98 | Paved parking, HSG D |
| 11,628 | 89 | Weighted Average |
| 5,972 | | 51.36% Pervious Area |
| 5,656 | | 48.64% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 6.0 | | | | | **Direct Entry,** |

### Subcatchment DA-4: DA-4



## Summary for Subcatchment DA-5: DA-5

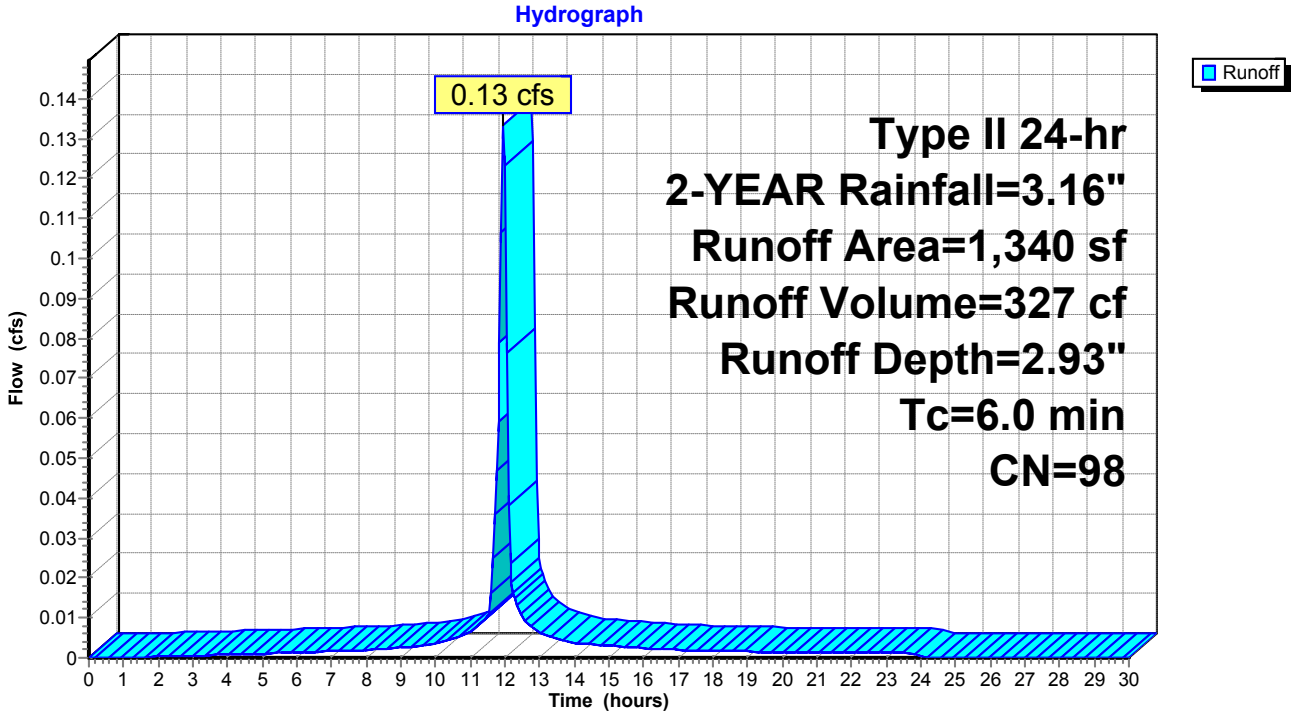
Runoff = 0.13 cfs @ 11.96 hrs, Volume= 327 cf, Depth= 2.93"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YEAR Rainfall=3.16"

| Area (sf) | CN | Description |
|---|---|---|
| 1,340 | 98 | Paved parking, HSG D |
| 1,340 | | 100.00% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 6.0 | | | | | **Direct Entry,** |

### Subcatchment DA-5: DA-5



## Summary for Subcatchment DA-6: DA-6

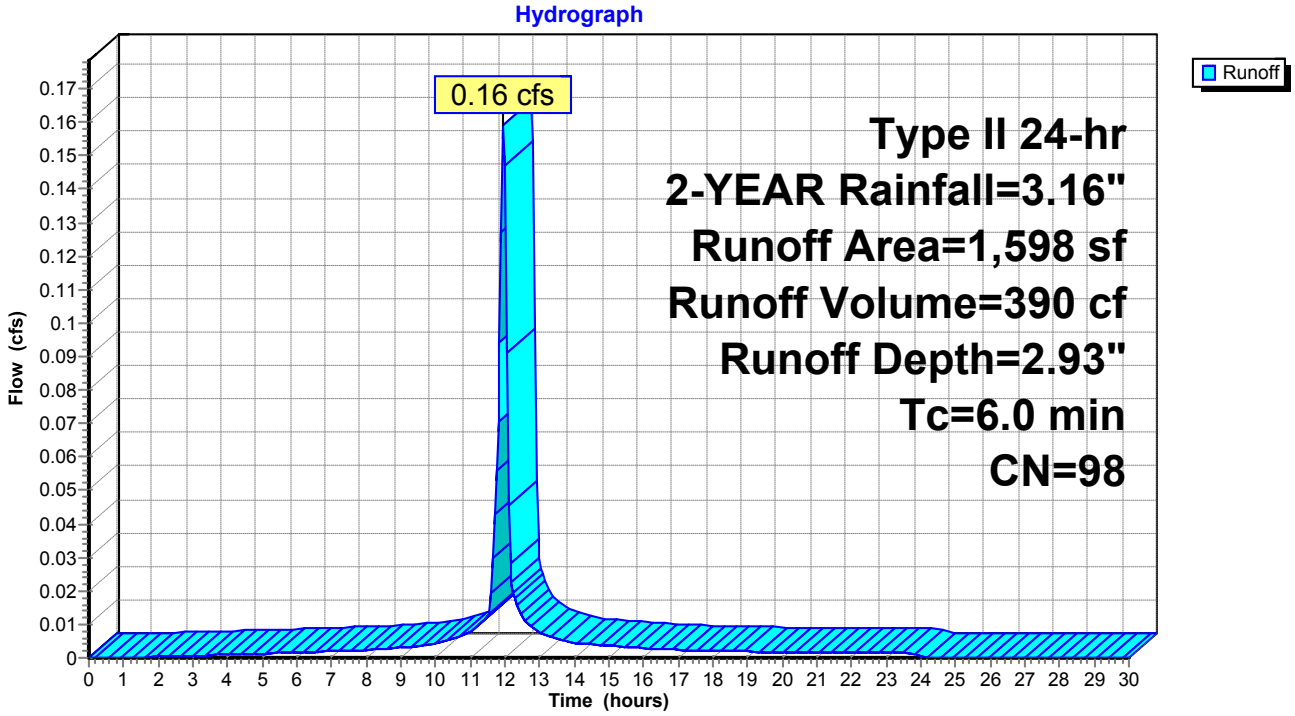
Runoff = 0.16 cfs @ 11.96 hrs, Volume= 390 cf, Depth= 2.93"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YEAR Rainfall=3.16"

| Area (sf) | CN | Description |
|---|---|---|
| 1,598 | 98 | Paved parking, HSG D |
| 1,598 | | 100.00% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 6.0 | | | | | **Direct Entry,** |

## Subcatchment DA-6: DA-6



## Summary for Subcatchment DA-7: DA-7

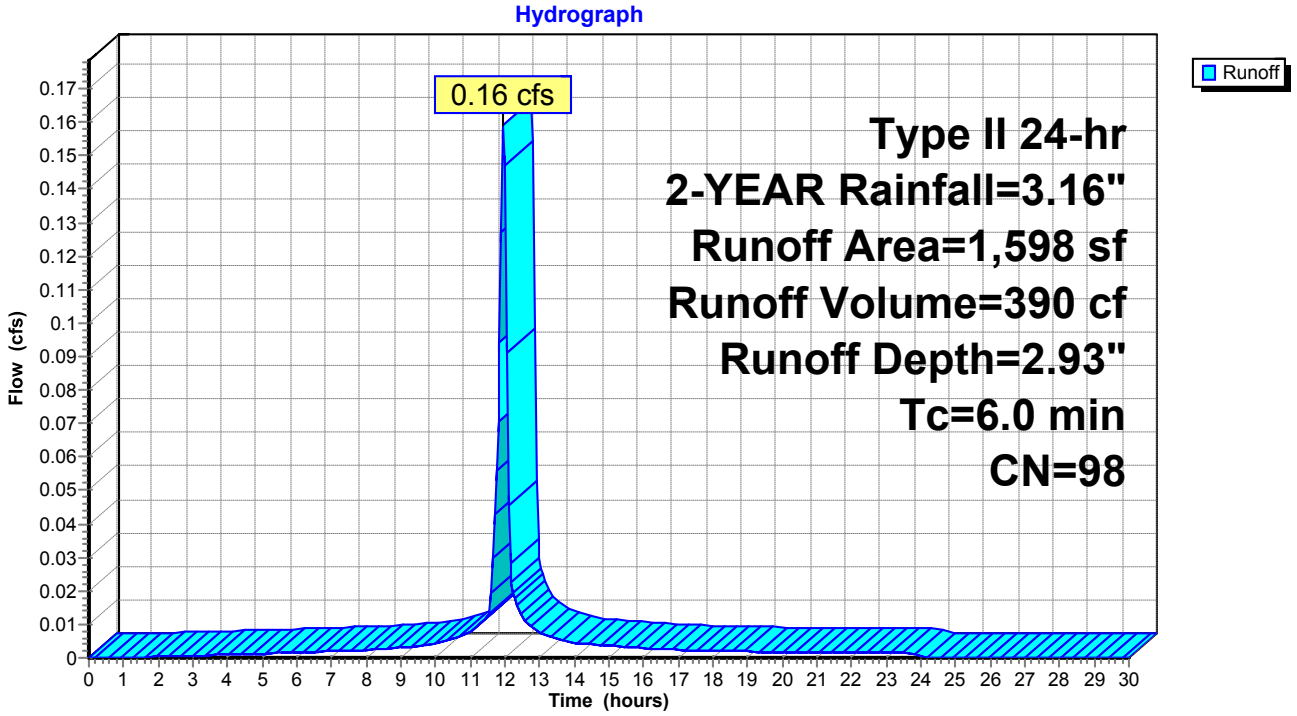
Runoff = 0.16 cfs @ 11.96 hrs, Volume= 390 cf, Depth= 2.93"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YEAR Rainfall=3.16"

| Area (sf) | CN | Description |
|---|---|---|
| 1,598 | 98 | Paved parking, HSG D |
| 1,598 | | 100.00% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 6.0 | | | | | **Direct Entry,** |

## Subcatchment DA-7: DA-7



## Summary for Subcatchment DA-8: DA-8

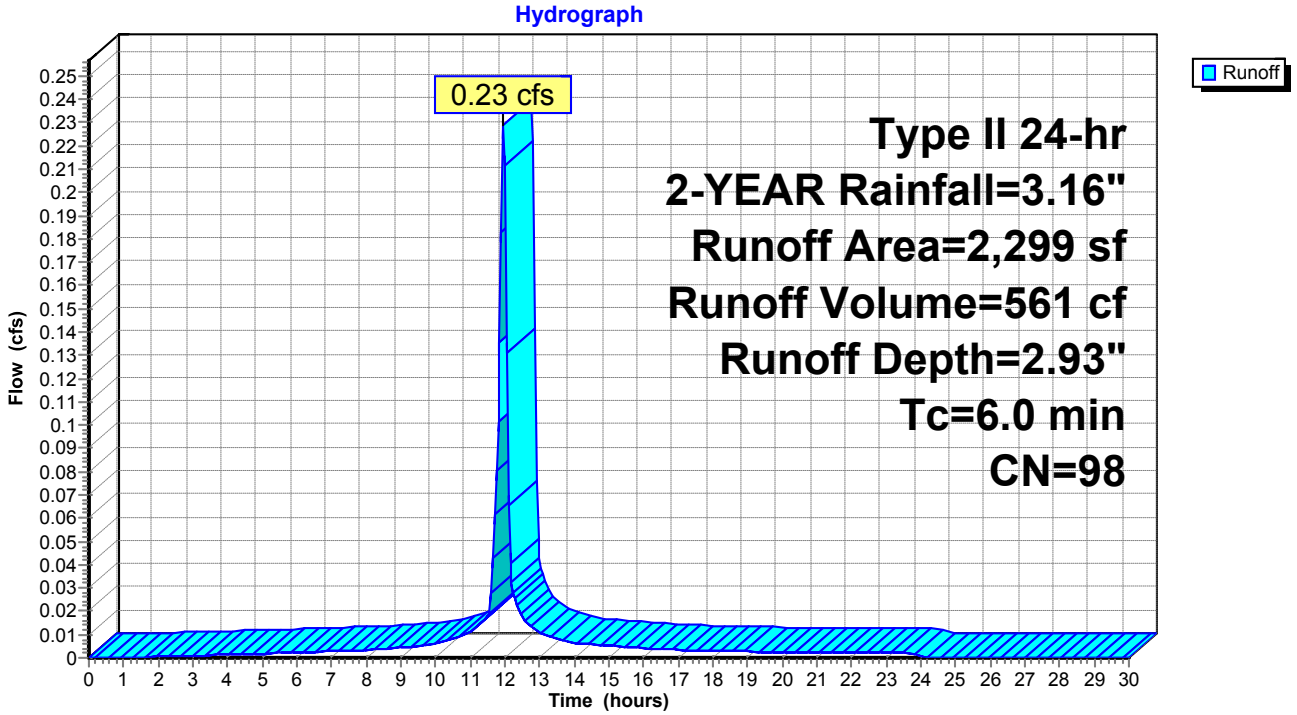
Runoff = 0.23 cfs @ 11.96 hrs, Volume= 561 cf, Depth= 2.93"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YEAR Rainfall=3.16"

| Area (sf) | CN | Description |
|---|---|---|
| 2,299 | 98 | Paved parking, HSG D |
| 2,299 | | 100.00% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 6.0 | | | | | **Direct Entry,** |

## Subcatchment DA-8: DA-8



## Summary for Subcatchment DA-9: DA-9

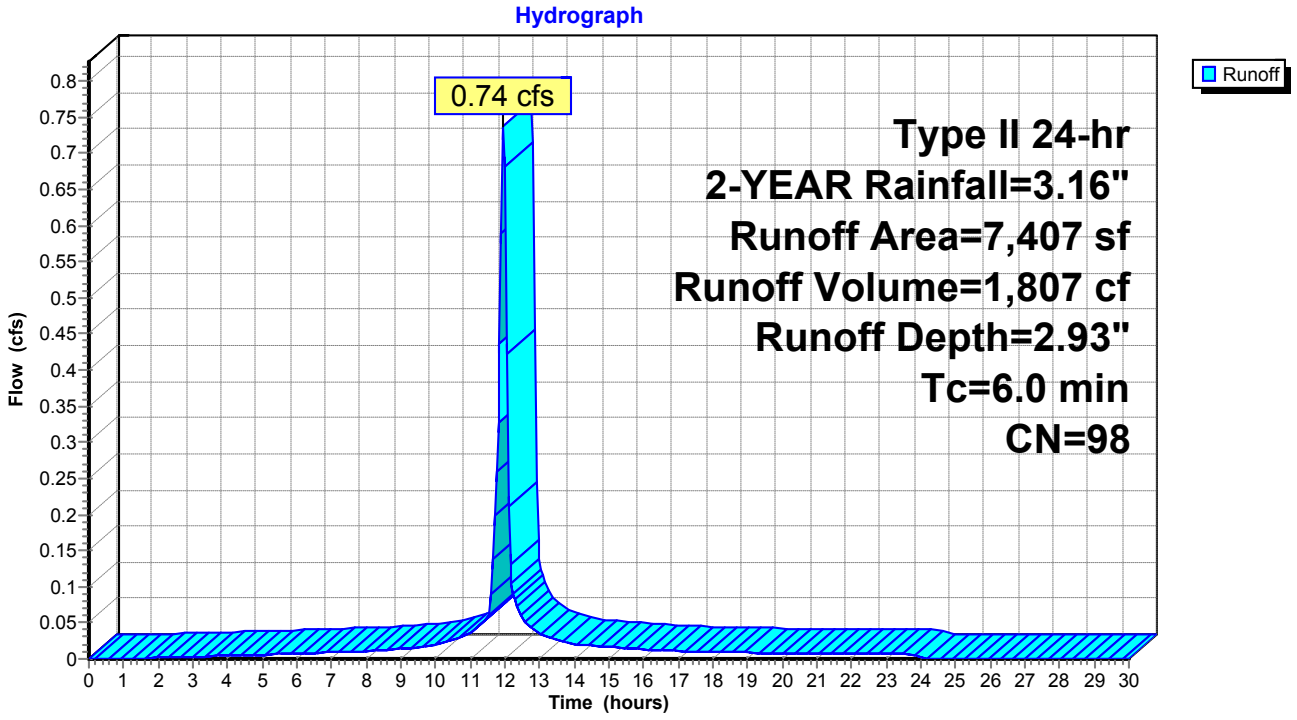
Runoff = 0.74 cfs @ 11.96 hrs, Volume= 1,807 cf, Depth= 2.93"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YEAR Rainfall=3.16"

| Area (sf) | CN | Description |
|---|---|---|
| 184 | 80 | >75% Grass cover, Good, HSG D |
| 363 | 98 | Paved parking, HSG D |
| 6,860 | 98 | Roofs, HSG D |
| 7,407 | 98 | Weighted Average |
| 184 | | 2.48% Pervious Area |
| 7,223 | | 97.52% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 6.0 | | | | | **Direct Entry,** |

## Subcatchment DA-9: DA-9



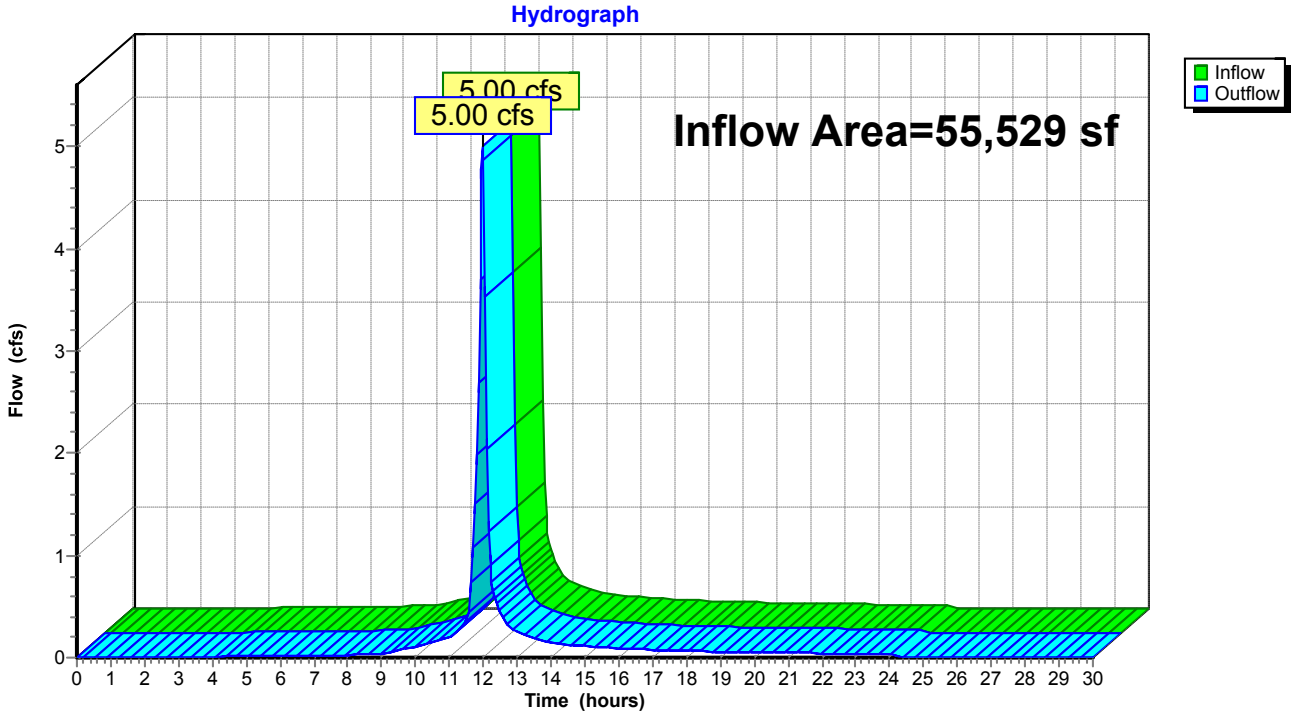
## Summary for Reach DP-1: DP-1

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area = 55,529 sf, 83.13% Impervious, Inflow Depth = 2.46" for 2-YEAR event
Inflow = 5.00 cfs @ 11.98 hrs, Volume= 11,398 cf
Outflow = 5.00 cfs @ 11.98 hrs, Volume= 11,398 cf, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs

### Reach DP-1: DP-1



## Summary for Pond 1P: Underground Infiltration

Inflow Area = 27,166 sf, 92.06% Impervious, Inflow Depth = 2.77" for 2-YEAR event
Inflow = 2.64 cfs @ 11.96 hrs, Volume= 6,273 cf
Outflow = 2.51 cfs @ 11.99 hrs, Volume= 5,993 cf, Atten= 5%, Lag= 1.8 min
Discarded = 0.01 cfs @ 3.60 hrs, Volume= 499 cf
Primary = 2.50 cfs @ 11.99 hrs, Volume= 5,494 cf

Routing by Stor-Ind method, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Peak Elev= 159.88' @ 11.99 hrs Surf.Area= 666 sf Storage= 836 cf

Plug-Flow detention time= 71.1 min calculated for 5,993 cf (96% of inflow)
Center-of-Mass det. time= 44.2 min ( 809.6 - 765.4 )

| Volume | Invert | Avail.Storage | Storage Description |
|---|---|---|---|
| #1A | 157.75' | 772 cf | **11.00'W x 60.58'L x 4.00'H Field A**<br>2,665 cf Overall - 735 cf Embedded = 1,930 cf x 40.0% Voids |
| #2A | 158.75' | 735 cf | **ADS_StormTech SC-740 +Cap** x 16 Inside #1<br>Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf<br>Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap<br>2 Rows of 8 Chambers |
| | | 1,507 cf | Total Available Storage |

Storage Group A created with Chamber Wizard

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 158.95' | **15.0" Round Culvert**<br>L= 15.0' CPP, projecting, no headwall, Ke= 0.900<br>Inlet / Outlet Invert= 158.95' / 158.75' S= 0.0133 '/' Cc= 0.900<br>n= 0.013, Flow Area= 1.23 sf |
| #2 | Discarded | 157.75' | **0.330 in/hr Exfiltration over Surface area** |

**Discarded OutFlow** Max=0.01 cfs @ 3.60 hrs HW=157.79' (Free Discharge)
↑**2=Exfiltration** (Exfiltration Controls 0.01 cfs)

**Primary OutFlow** Max=2.46 cfs @ 11.99 hrs HW=159.87' (Free Discharge)
↑**1=Culvert** (Barrel Controls 2.46 cfs @ 3.53 fps)

## Pond 1P: Underground Infiltration - Chamber Wizard Field A

**Chamber Model = ADS_StormTech SC-740 +Cap (ADS StormTech® SC-740 with cap length)**
Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf
Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap

51.0" Wide + 6.0" Spacing = 57.0" C-C Row Spacing

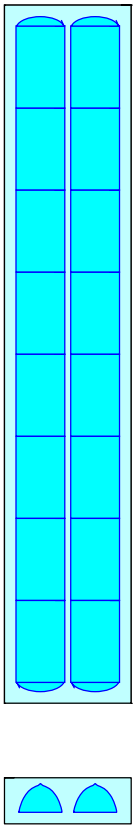
8 Chambers/Row x 7.12' Long +0.81' Cap Length x 2 = 58.58' Row Length +12.0" End Stone x 2 = 60.58' Base Length
2 Rows x 51.0" Wide + 6.0" Spacing x 1 + 12.0" Side Stone x 2 = 11.00' Base Width
12.0" Base + 30.0" Chamber Height + 6.0" Cover = 4.00' Field Height

16 Chambers x 45.9 cf = 735.0 cf Chamber Storage

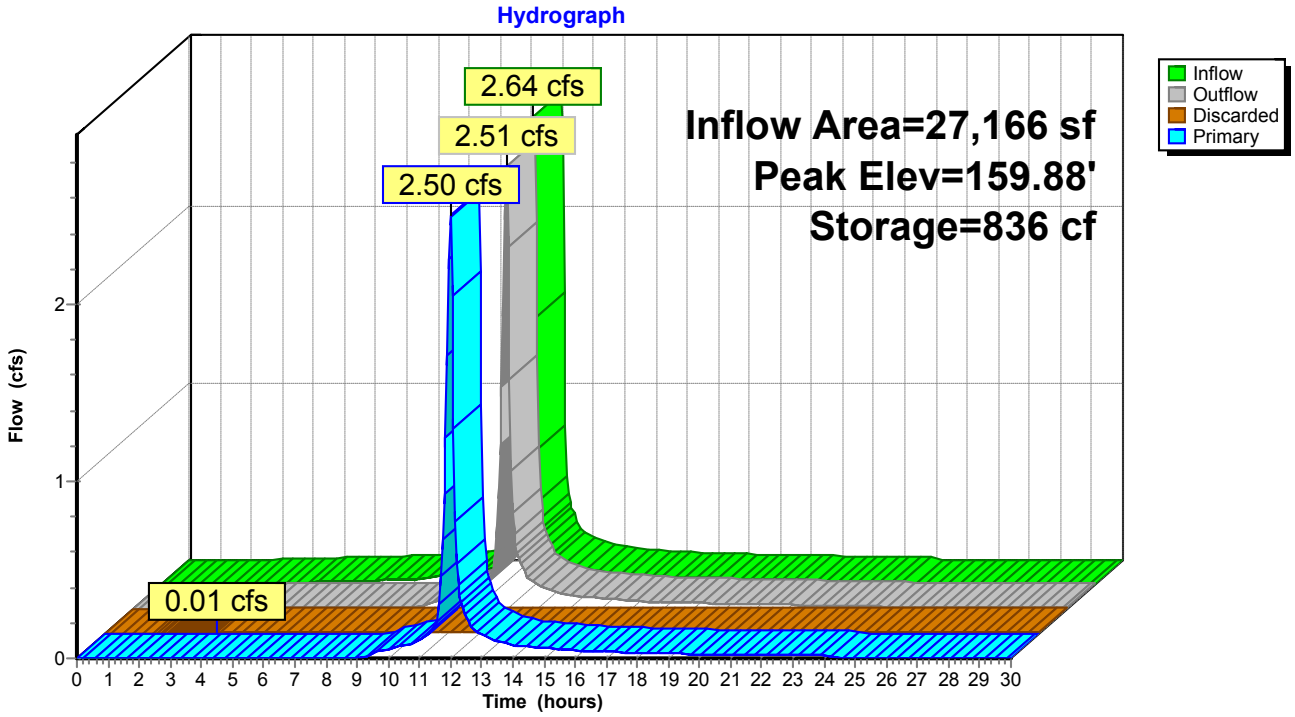
2,665.4 cf Field - 735.0 cf Chambers = 1,930.3 cf Stone x 40.0% Voids = 772.1 cf Stone Storage

Chamber Storage + Stone Storage = 1,507.2 cf = 0.035 af
Overall Storage Efficiency = 56.5%
Overall System Size = 60.58' x 11.00' x 4.00'

16 Chambers
98.7 cy Field
71.5 cy Stone



## Pond 1P: Underground Infiltration



## Summary for Pond CB-3: PROPOSED CATCH BASIN #3

[81] Warning: Exceeded Pond 1P by 1.54' @ 0.00 hrs

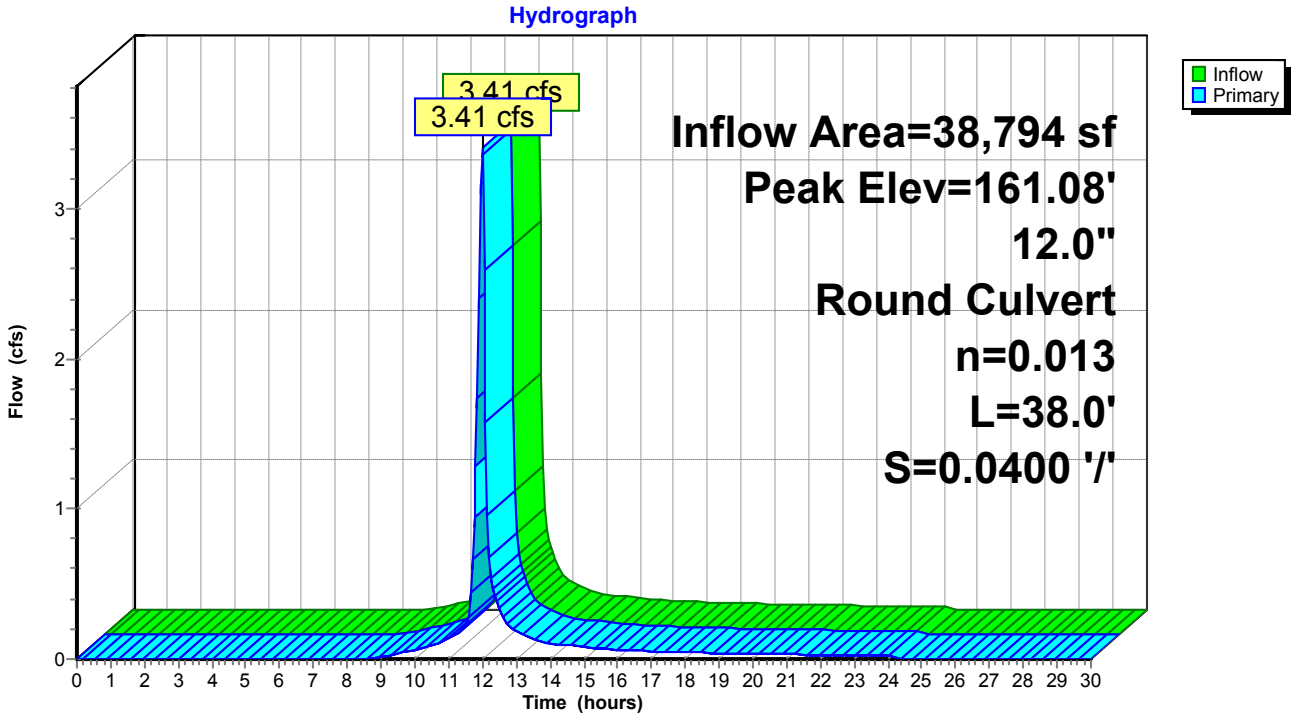
Inflow Area = 38,794 sf, 79.05% Impervious, Inflow Depth = 2.31" for 2-YEAR event
Inflow = 3.41 cfs @ 11.99 hrs, Volume= 7,476 cf
Outflow = 3.41 cfs @ 11.99 hrs, Volume= 7,476 cf, Atten= 0%, Lag= 0.0 min
Primary = 3.41 cfs @ 11.99 hrs, Volume= 7,476 cf

Routing by Stor-Ind method, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Peak Elev= 161.08' @ 11.99 hrs
Flood Elev= 173.90'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 159.29' | **12.0" Round Culvert**<br>L= 38.0' CPP, projecting, no headwall, Ke= 0.900<br>Inlet / Outlet Invert= 159.29' / 157.77' S= 0.0400 '/' Cc= 0.900<br>n= 0.013, Flow Area= 0.79 sf |

**Primary OutFlow** Max=3.31 cfs @ 11.99 hrs HW=161.02' (Free Discharge)
└**1=Culvert** (Inlet Controls 3.31 cfs @ 4.21 fps)

## Pond CB-3: PROPOSED CATCH BASIN #3



## Summary for Pond CB-4: PROPOSED CATCH BASIN #4

[79] Warning: Submerged Pond CB-3 Primary device # 1 INLET by 0.25'
[79] Warning: Submerged Pond CB-5 Primary device # 1 INLET by 0.64'

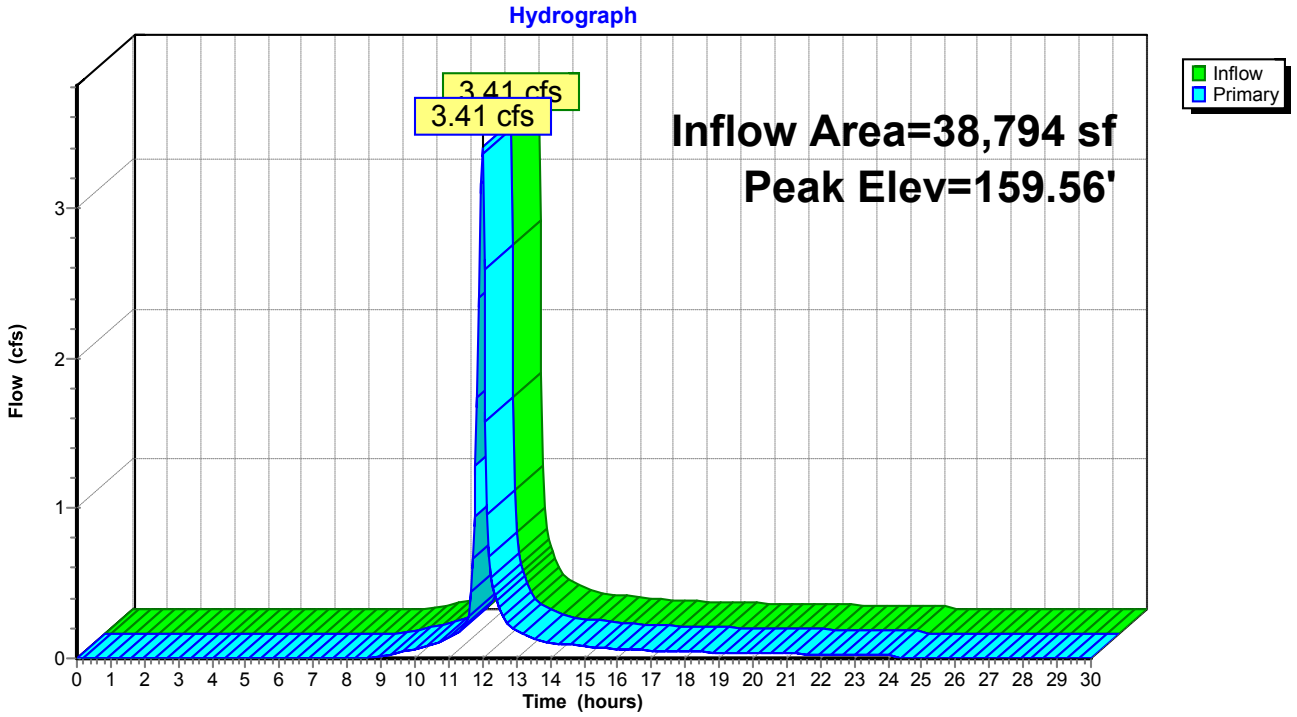
Inflow Area = 38,794 sf, 79.05% Impervious, Inflow Depth = 2.31" for 2-YEAR event
Inflow = 3.41 cfs @ 11.99 hrs, Volume= 7,476 cf
Outflow = 3.41 cfs @ 11.99 hrs, Volume= 7,476 cf, Atten= 0%, Lag= 0.0 min
Primary = 3.41 cfs @ 11.99 hrs, Volume= 7,476 cf

Routing by Stor-Ind method, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Peak Elev= 159.56' @ 11.99 hrs
Flood Elev= 161.00'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 157.77' | **12.0" Round Culvert**<br>L= 30.0' CPP, projecting, no headwall, Ke= 0.900<br>Inlet / Outlet Invert= 157.77' / 157.47' S= 0.0100 '/' Cc= 0.900<br>n= 0.013, Flow Area= 0.79 sf |
| #2 | Primary | 160.87' | **3.0' long x 3.0' breadth Broad-Crested Rectangular Weir**<br>Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50<br>Coef. (English) 2.44 2.58 2.68 2.67 2.65 2.64 2.64 2.68 2.68 2.72 2.81 2.92 2.97 3.07 3.32 |

**Primary OutFlow** Max=3.31 cfs @ 11.99 hrs HW=159.50' (Free Discharge)
**1=Culvert** (Inlet Controls 3.31 cfs @ 4.21 fps)
**2=Broad-Crested Rectangular Weir** ( Controls 0.00 cfs)

## Pond CB-4: PROPOSED CATCH BASIN #4



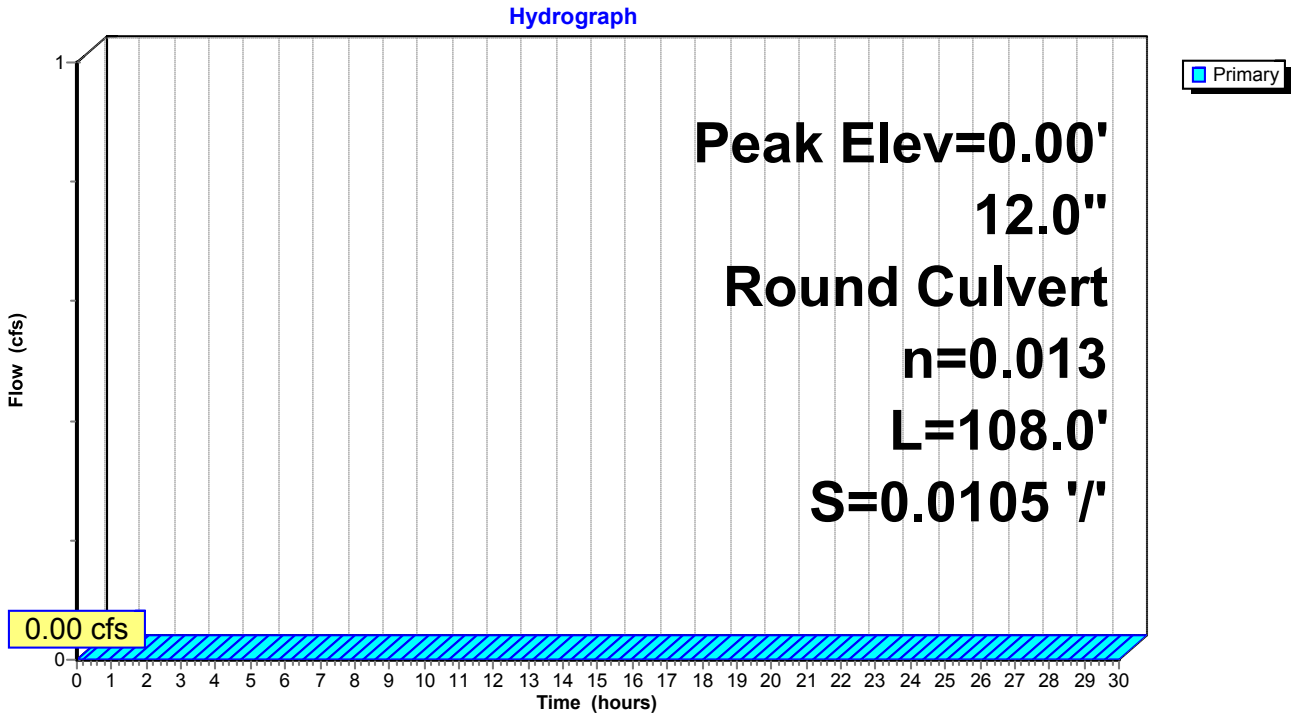
## Summary for Pond CB-5: PROPOSED CATCH BASIN #5

[43] Hint: Has no inflow (Outflow=Zero)

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 158.90' | **12.0" Round Culvert**<br>L= 108.0' CPP, projecting, no headwall, Ke= 0.900<br>Inlet / Outlet Invert= 158.90' / 157.77' S= 0.0105 '/' Cc= 0.900<br>n= 0.013, Flow Area= 0.79 sf |

**Primary OutFlow** Max=0.00 cfs @ 0.00 hrs HW=0.00' (Free Discharge)
**1=Culvert** ( Controls 0.00 cfs)

## Pond CB-5: PROPOSED CATCH BASIN #5



## Summary for Pond CB-6: PROPOSED CATCH BASIN #6

[81] Warning: Exceeded Pond CB-4 by 0.28' @ 11.95 hrs

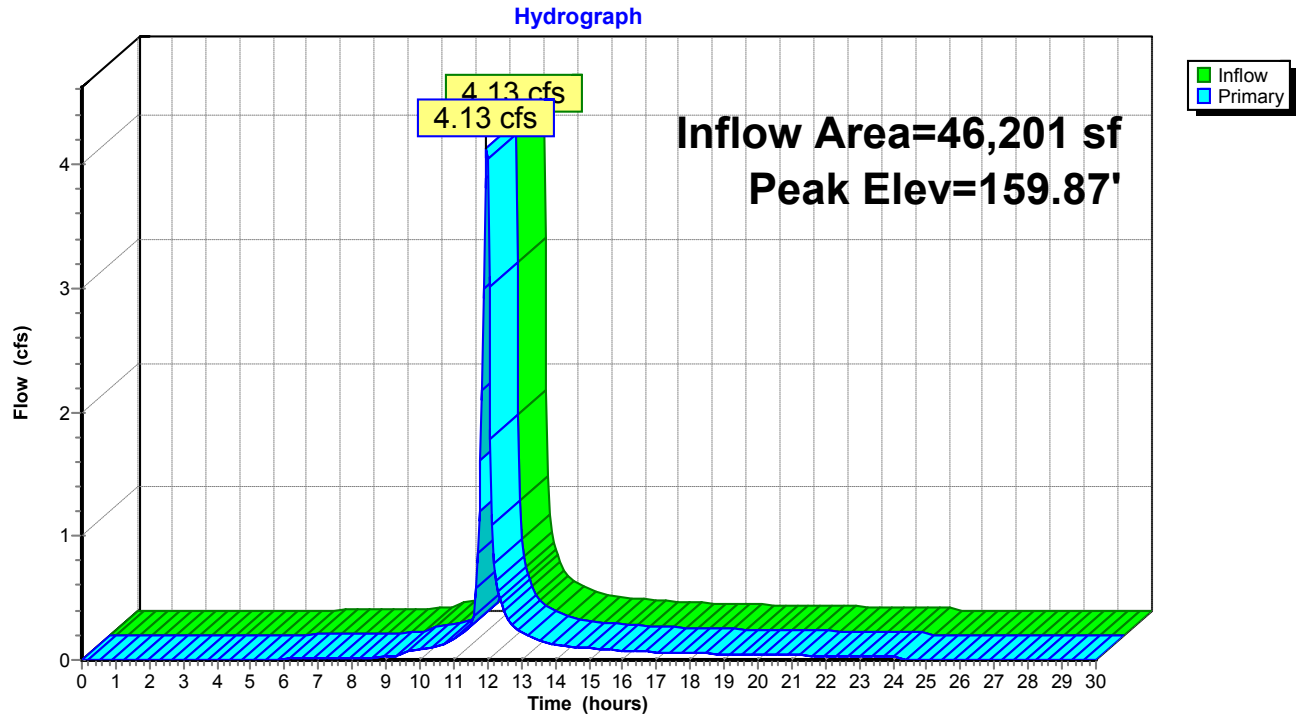
Inflow Area = 46,201 sf, 82.01% Impervious, Inflow Depth = 2.41" for 2-YEAR event
Inflow = 4.13 cfs @ 11.98 hrs, Volume= 9,283 cf
Outflow = 4.13 cfs @ 11.98 hrs, Volume= 9,283 cf, Atten= 0%, Lag= 0.0 min
Primary = 4.13 cfs @ 11.98 hrs, Volume= 9,283 cf

Routing by Stor-Ind method, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Peak Elev= 159.87' @ 11.98 hrs
Flood Elev= 161.00'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 157.47' | **12.0" Round Culvert**<br>L= 49.0' CPP, projecting, no headwall, Ke= 0.900<br>Inlet / Outlet Invert= 157.47' / 155.60' S= 0.0382 '/' Cc= 0.900<br>n= 0.013, Flow Area= 0.79 sf |
| #2 | Primary | 161.00' | **3.0' long x 3.0' breadth Broad-Crested Rectangular Weir**<br>Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50<br>Coef. (English) 2.44 2.58 2.68 2.67 2.65 2.64 2.64 2.68 2.68 2.72 2.81 2.92 2.97 3.07 3.32 |

**Primary OutFlow** Max=3.99 cfs @ 11.98 hrs HW=159.76' (Free Discharge)
└**1=Culvert** (Inlet Controls 3.99 cfs @ 5.08 fps)
└**2=Broad-Crested Rectangular Weir** ( Controls 0.00 cfs)

## Pond CB-6: PROPOSED CATCH BASIN #6



## Summary for Pond EX-CB: EXISTING CATCH BASIN

[79] Warning: Submerged Pond CB-6 Primary device # 1 OUTLET by 0.51'
[79] Warning: Submerged Pond YD-5 Primary device # 1 OUTLET by 0.51'

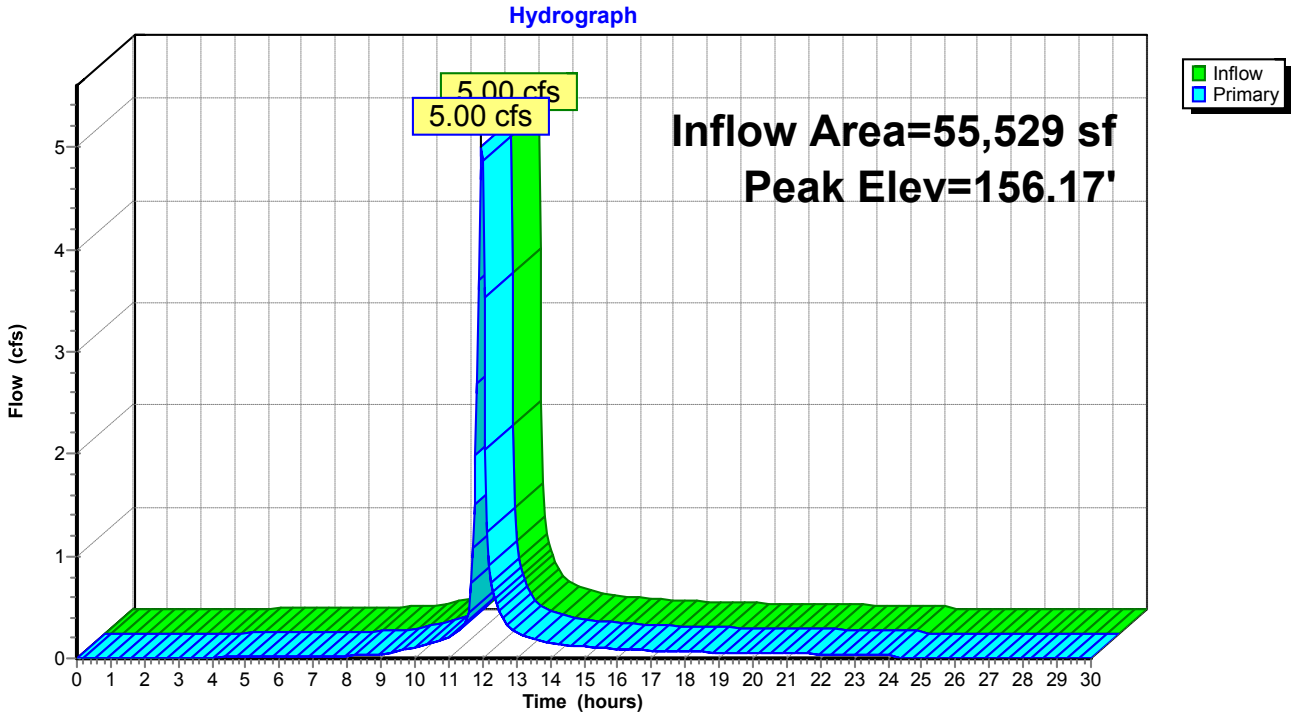
Inflow Area = 55,529 sf, 83.13% Impervious, Inflow Depth = 2.46" for 2-YEAR event
Inflow = 5.00 cfs @ 11.98 hrs, Volume= 11,398 cf
Outflow = 5.00 cfs @ 11.98 hrs, Volume= 11,398 cf, Atten= 0%, Lag= 0.0 min
Primary = 5.00 cfs @ 11.98 hrs, Volume= 11,398 cf

Routing by Stor-Ind method, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Peak Elev= 156.17' @ 11.98 hrs
Flood Elev= 157.95'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 154.40' | **15.0" Round Culvert**<br>L= 26.0' CPP, projecting, no headwall, Ke= 0.900<br>Inlet / Outlet Invert= 154.40' / 153.50' S= 0.0346 '/' Cc= 0.900<br>n= 0.013, Flow Area= 1.23 sf |
| #2 | Primary | 157.97' | **3.0' long x 3.0' breadth Broad-Crested Rectangular Weir**<br>Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50<br>Coef. (English) 2.44 2.58 2.68 2.67 2.65 2.64 2.64 2.68 2.68 2.72 2.81 2.92 2.97 3.07 3.32 |

**Primary OutFlow** Max=4.83 cfs @ 11.98 hrs HW=156.10' (Free Discharge)
**1=Culvert** (Inlet Controls 4.83 cfs @ 3.93 fps)
**2=Broad-Crested Rectangular Weir** ( Controls 0.00 cfs)

## Pond EX-CB: EXISTING CATCH BASIN



## Summary for Pond YD-1: PROPOSED YARD DRAIN #1

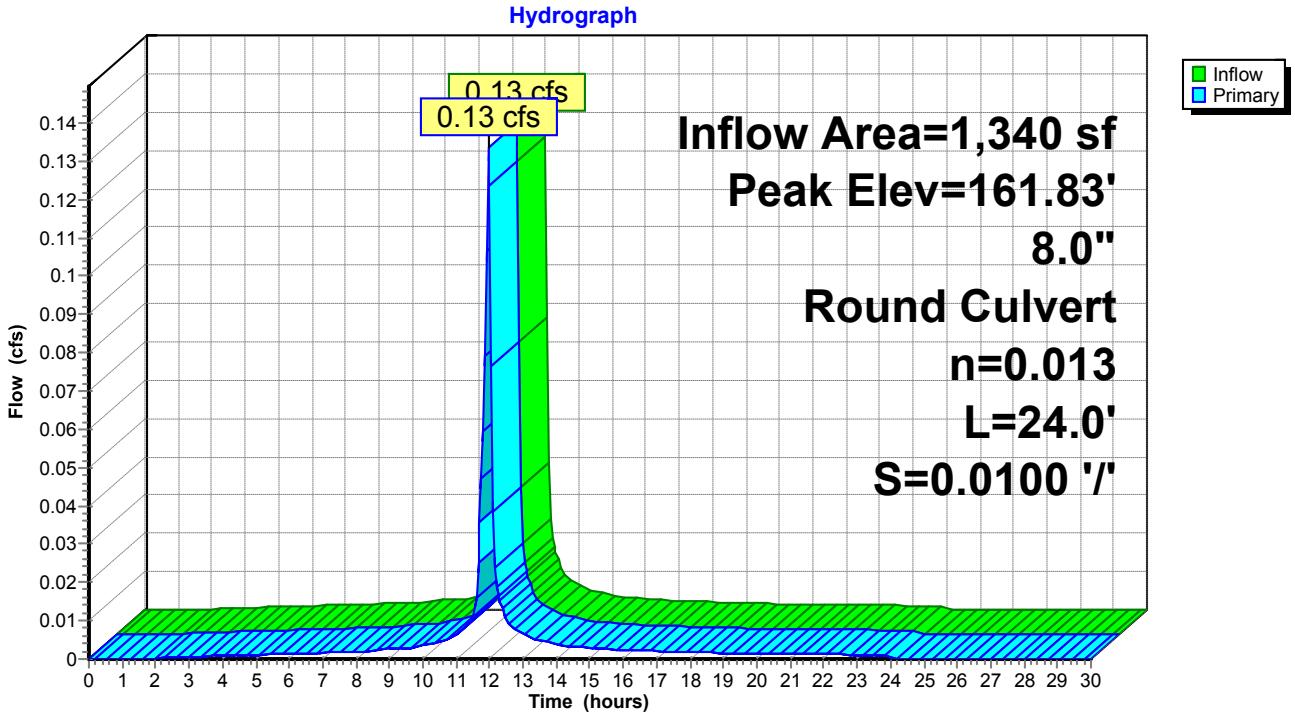
Inflow Area = 1,340 sf,100.00% Impervious, Inflow Depth = 2.93" for 2-YEAR event
Inflow = 0.13 cfs @ 11.96 hrs, Volume= 327 cf
Outflow = 0.13 cfs @ 11.96 hrs, Volume= 327 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.13 cfs @ 11.96 hrs, Volume= 327 cf

Routing by Stor-Ind method, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Peak Elev= 161.83' @ 11.96 hrs
Flood Elev= 164.10'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 161.60' | **8.0" Round Culvert**<br>L= 24.0' CPP, projecting, no headwall, Ke= 0.900<br>Inlet / Outlet Invert= 161.60' / 161.36' S= 0.0100 '/' Cc= 0.900<br>n= 0.013, Flow Area= 0.35 sf |

**Primary OutFlow** Max=0.13 cfs @ 11.96 hrs HW=161.82' (Free Discharge)
**1=Culvert** (Inlet Controls 0.13 cfs @ 1.27 fps)

## Pond YD-1: PROPOSED YARD DRAIN #1



## Summary for Pond YD-2: PROPOSED YARD DRAIN #2

[79] Warning: Submerged Pond YD-1 Primary device # 1 INLET by 0.11'

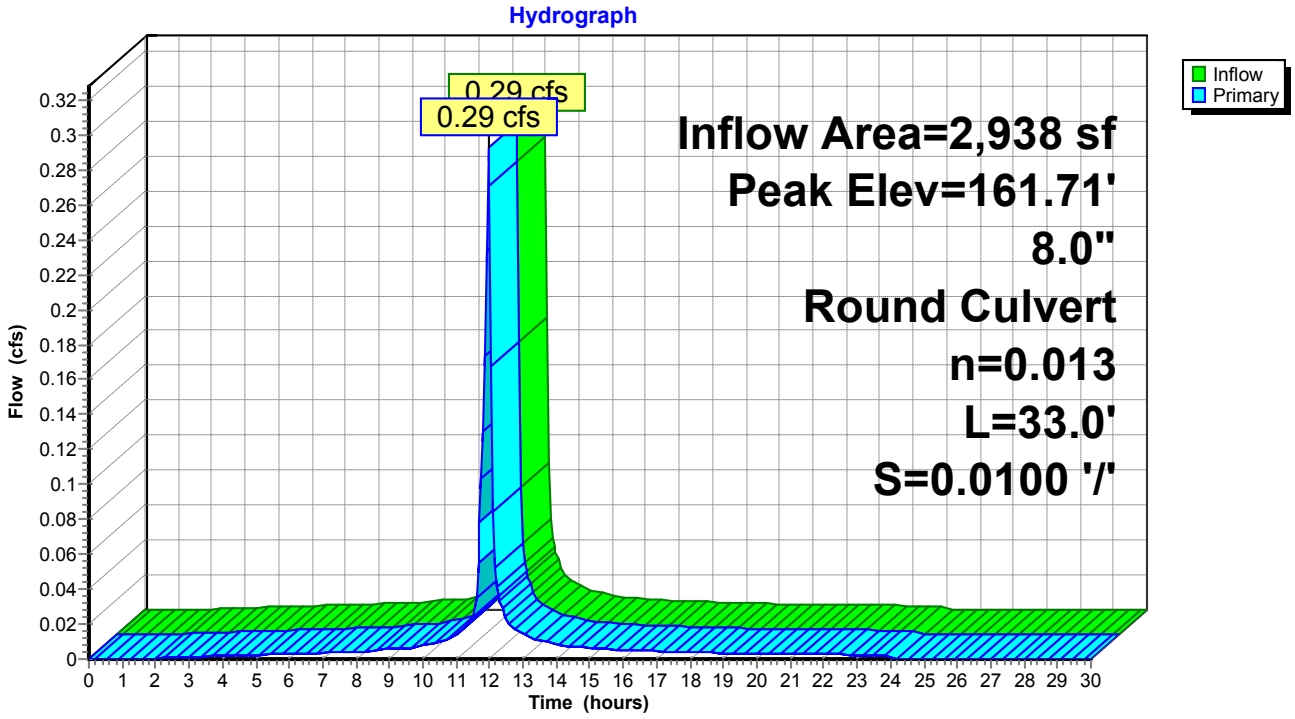
Inflow Area = 2,938 sf,100.00% Impervious, Inflow Depth = 2.93" for 2-YEAR event
Inflow = 0.29 cfs @ 11.96 hrs, Volume= 717 cf
Outflow = 0.29 cfs @ 11.96 hrs, Volume= 717 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.29 cfs @ 11.96 hrs, Volume= 717 cf

Routing by Stor-Ind method, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Peak Elev= 161.71' @ 11.96 hrs
Flood Elev= 164.10'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 161.36' | **8.0" Round Culvert**<br>L= 33.0' CPP, projecting, no headwall, Ke= 0.900<br>Inlet / Outlet Invert= 161.36' / 161.03' S= 0.0100 '/' Cc= 0.900<br>n= 0.013, Flow Area= 0.35 sf |

**Primary OutFlow** Max=0.29 cfs @ 11.96 hrs HW=161.70' (Free Discharge)
└**1=Culvert** (Inlet Controls 0.29 cfs @ 1.58 fps)

## Pond YD-2: PROPOSED YARD DRAIN #2



## Summary for Pond YD-3: PROPOSED YARD DRAIN #3

[79] Warning: Submerged Pond YD-2 Primary device # 1 INLET by 0.12'

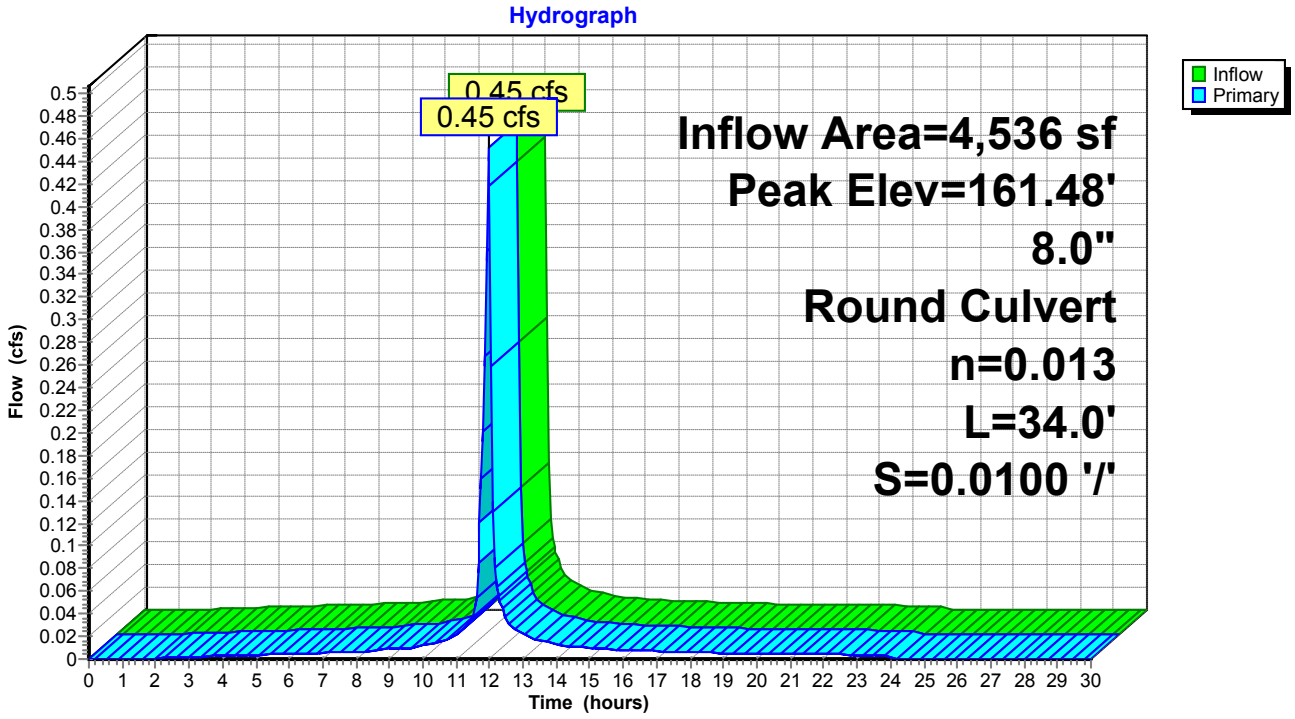
Inflow Area = 4,536 sf,100.00% Impervious, Inflow Depth = 2.93" for 2-YEAR event
Inflow = 0.45 cfs @ 11.96 hrs, Volume= 1,107 cf
Outflow = 0.45 cfs @ 11.96 hrs, Volume= 1,107 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.45 cfs @ 11.96 hrs, Volume= 1,107 cf

Routing by Stor-Ind method, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Peak Elev= 161.48' @ 11.96 hrs
Flood Elev= 164.10'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 161.03' | **8.0" Round Culvert**<br>L= 34.0' CPP, projecting, no headwall, Ke= 0.900<br>Inlet / Outlet Invert= 161.03' / 160.69' S= 0.0100 '/' Cc= 0.900<br>n= 0.013, Flow Area= 0.35 sf |

**Primary OutFlow** Max=0.44 cfs @ 11.96 hrs HW=161.47' (Free Discharge)
└**1=Culvert** (Inlet Controls 0.44 cfs @ 1.79 fps)

## Pond YD-3: PROPOSED YARD DRAIN #3



## Summary for Pond YD-4: PROPOSED YARD DRAIN #4

[79] Warning: Submerged Pond YD-3 Primary device # 1 INLET by 0.25'

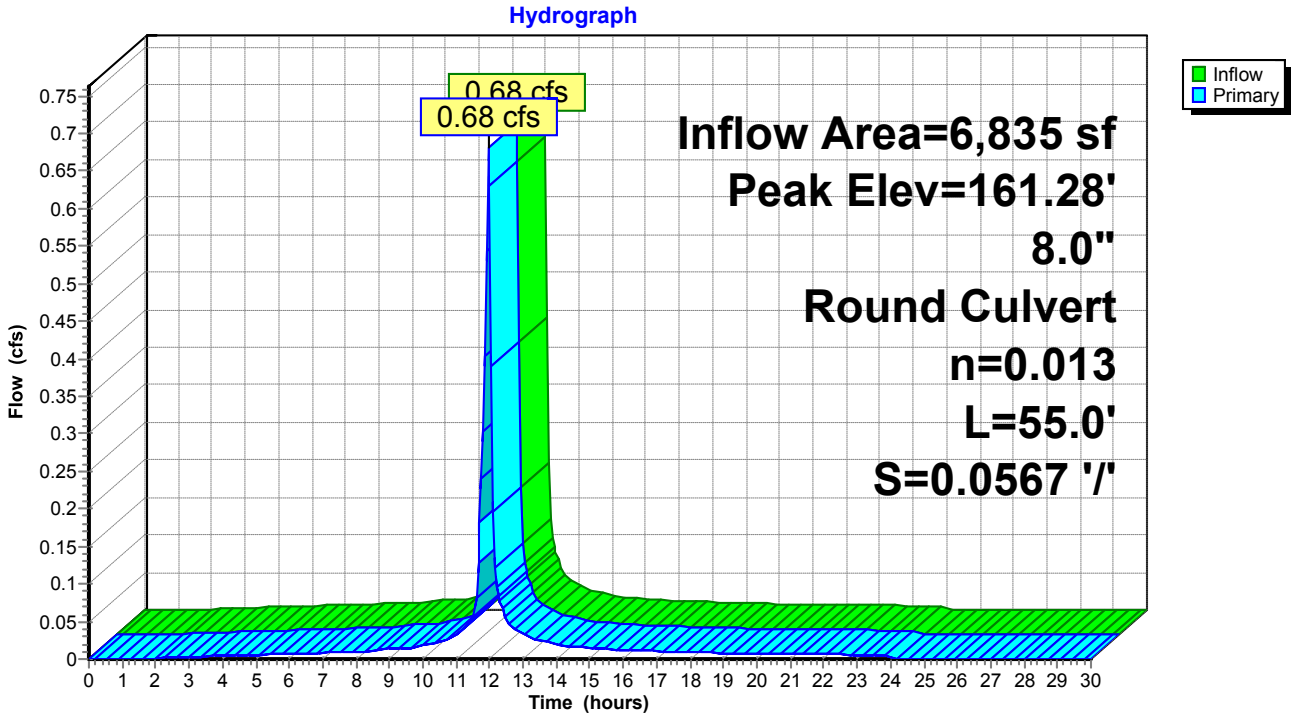
Inflow Area = 6,835 sf,100.00% Impervious, Inflow Depth = 2.93" for 2-YEAR event
Inflow = 0.68 cfs @ 11.96 hrs, Volume= 1,668 cf
Outflow = 0.68 cfs @ 11.96 hrs, Volume= 1,668 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.68 cfs @ 11.96 hrs, Volume= 1,668 cf

Routing by Stor-Ind method, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Peak Elev= 161.28' @ 11.96 hrs
Flood Elev= 164.10'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 160.69' | **8.0" Round Culvert**<br>L= 55.0' CPP, projecting, no headwall, Ke= 0.900<br>Inlet / Outlet Invert= 160.69' / 157.57' S= 0.0567 '/' Cc= 0.900<br>n= 0.013, Flow Area= 0.35 sf |

**Primary OutFlow** Max=0.67 cfs @ 11.96 hrs HW=161.27' (Free Discharge)
└**1=Culvert** (Inlet Controls 0.67 cfs @ 2.05 fps)

## Pond YD-4: PROPOSED YARD DRAIN #4



## Summary for Pond YD-5: PROPOSED YARD DRAIN #5

[79] Warning: Submerged Pond YD-4 Primary device # 1 OUTLET by 0.63'

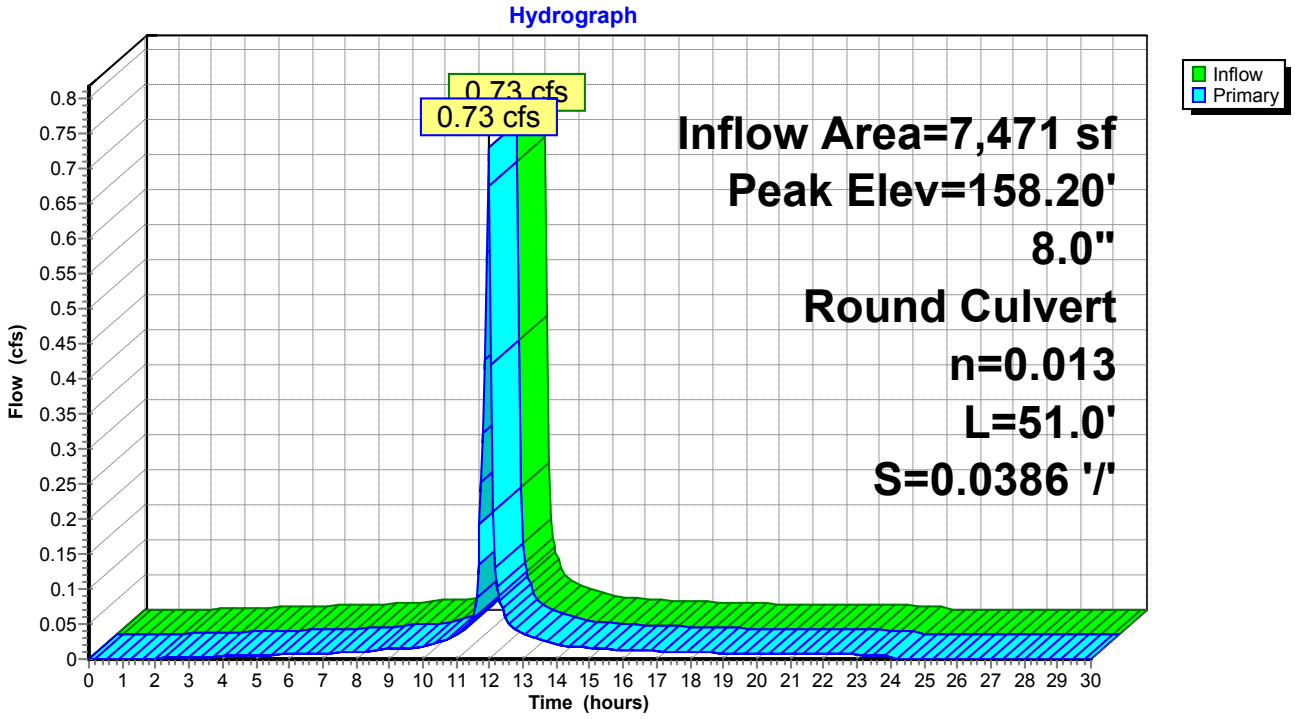
Inflow Area = 7,471 sf, 95.34% Impervious, Inflow Depth = 2.85" for 2-YEAR event
Inflow = 0.73 cfs @ 11.96 hrs, Volume= 1,771 cf
Outflow = 0.73 cfs @ 11.96 hrs, Volume= 1,771 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.73 cfs @ 11.96 hrs, Volume= 1,771 cf

Routing by Stor-Ind method, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Peak Elev= 158.20' @ 11.96 hrs
Flood Elev= 160.20'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 157.57' | **8.0" Round Culvert**<br>L= 51.0' CPP, projecting, no headwall, Ke= 0.900<br>Inlet / Outlet Invert= 157.57' / 155.60' S= 0.0386 '/' Cc= 0.900<br>n= 0.013, Flow Area= 0.35 sf |

**Primary OutFlow** Max=0.71 cfs @ 11.96 hrs HW=158.19' (Free Discharge)
**1=Culvert** (Inlet Controls 0.71 cfs @ 2.11 fps)

## Pond YD-5: PROPOSED YARD DRAIN #5



Time span=0.00-30.00 hrs, dt=0.05 hrs, 601 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

**Subcatchment DA-1: DA-1** Runoff Area=14,517 sf 93.28% Impervious Runoff Depth=4.33"
Tc=6.0 min CN=97 Runoff=2.14 cfs 5,236 cf

**Subcatchment DA-10: DA-10** Runoff Area=636 sf 45.28% Impervious Runoff Depth=3.37"
Tc=6.0 min CN=88 Runoff=0.08 cfs 178 cf

**Subcatchment DA-11: DA-11** Runoff Area=4,403 sf 100.00% Impervious Runoff Depth=4.44"
Tc=6.0 min CN=98 Runoff=0.65 cfs 1,630 cf

**Subcatchment DA-12: DA-12** Runoff Area=1,857 sf 61.82% Impervious Runoff Depth=3.67"
Tc=6.0 min CN=91 Runoff=0.25 cfs 568 cf

**Subcatchment DA-2: DA-2** Runoff Area=8,246 sf 85.68% Impervious Runoff Depth=4.10"
Tc=6.0 min CN=95 Runoff=1.19 cfs 2,819 cf

**Subcatchment DA-4: DA-4** Runoff Area=11,628 sf 48.64% Impervious Runoff Depth=3.47"
Tc=6.0 min CN=89 Runoff=1.51 cfs 3,359 cf

**Subcatchment DA-5: DA-5** Runoff Area=1,340 sf 100.00% Impervious Runoff Depth=4.44"
Tc=6.0 min CN=98 Runoff=0.20 cfs 496 cf

**Subcatchment DA-6: DA-6** Runoff Area=1,598 sf 100.00% Impervious Runoff Depth=4.44"
Tc=6.0 min CN=98 Runoff=0.24 cfs 592 cf

**Subcatchment DA-7: DA-7** Runoff Area=1,598 sf 100.00% Impervious Runoff Depth=4.44"
Tc=6.0 min CN=98 Runoff=0.24 cfs 592 cf

**Subcatchment DA-8: DA-8** Runoff Area=2,299 sf 100.00% Impervious Runoff Depth=4.44"
Tc=6.0 min CN=98 Runoff=0.34 cfs 851 cf

**Subcatchment DA-9: DA-9** Runoff Area=7,407 sf 97.52% Impervious Runoff Depth=4.44"
Tc=6.0 min CN=98 Runoff=1.10 cfs 2,743 cf

**Reach DP-1: DP-1** Inflow=7.64 cfs 18,269 cf
Outflow=7.64 cfs 18,269 cf

**Pond 1P: Underground Infiltration** Peak Elev=160.21' Storage=987 cf Inflow=3.99 cfs 9,686 cf
Discarded=0.01 cfs 515 cf Primary=3.73 cfs 8,890 cf Outflow=3.74 cfs 9,405 cf

**Pond CB-3: PROPOSED CATCH BASIN #3** Peak Elev=162.83' Inflow=5.22 cfs 12,248 cf
12.0" Round Culvert n=0.013 L=38.0' S=0.0400 '/' Outflow=5.22 cfs 12,248 cf

**Pond CB-4: PROPOSED CATCH BASIN #4** Peak Elev=161.06' Inflow=5.22 cfs 12,248 cf
Outflow=5.22 cfs 12,248 cf

**Pond CB-5: PROPOSED CATCH BASIN #5** Peak Elev=0.00'
12.0" Round Culvert n=0.013 L=108.0' S=0.0105 '/' Primary=0.00 cfs 0 cf

**Pond CB-6: PROPOSED CATCH BASIN #6** Peak Elev=161.32' Inflow=6.30 cfs 14,991 cf
Outflow=6.30 cfs 14,991 cf

**Pond EX-CB: EXISTING CATCH BASIN** Peak Elev=157.68' Inflow=7.64 cfs 18,269 cf
Outflow=7.64 cfs 18,269 cf

**Pond YD-1: PROPOSED YARD DRAIN #1** Peak Elev=161.88' Inflow=0.20 cfs 496 cf
8.0" Round Culvert n=0.013 L=24.0' S=0.0100 '/' Outflow=0.20 cfs 496 cf

**Pond YD-2: PROPOSED YARD DRAIN #2** Peak Elev=161.80' Inflow=0.44 cfs 1,088 cf
8.0" Round Culvert n=0.013 L=33.0' S=0.0100 '/' Outflow=0.44 cfs 1,088 cf

**Pond YD-3: PROPOSED YARD DRAIN #3** Peak Elev=161.62' Inflow=0.67 cfs 1,680 cf
8.0" Round Culvert n=0.013 L=34.0' S=0.0100 '/' Outflow=0.67 cfs 1,680 cf

**Pond YD-4: PROPOSED YARD DRAIN #4** Peak Elev=161.61' Inflow=1.02 cfs 2,531 cf
8.0" Round Culvert n=0.013 L=55.0' S=0.0567 '/' Outflow=1.02 cfs 2,531 cf

**Pond YD-5: PROPOSED YARD DRAIN #5** Peak Elev=158.58' Inflow=1.10 cfs 2,709 cf
8.0" Round Culvert n=0.013 L=51.0' S=0.0386 '/' Outflow=1.10 cfs 2,709 cf

**Total Runoff Area = 55,529 sf Runoff Volume = 19,065 cf Average Runoff Depth = 4.12"**
**16.87% Pervious = 9,369 sf 83.13% Impervious = 46,160 sf**

## Summary for Subcatchment DA-1: DA-1

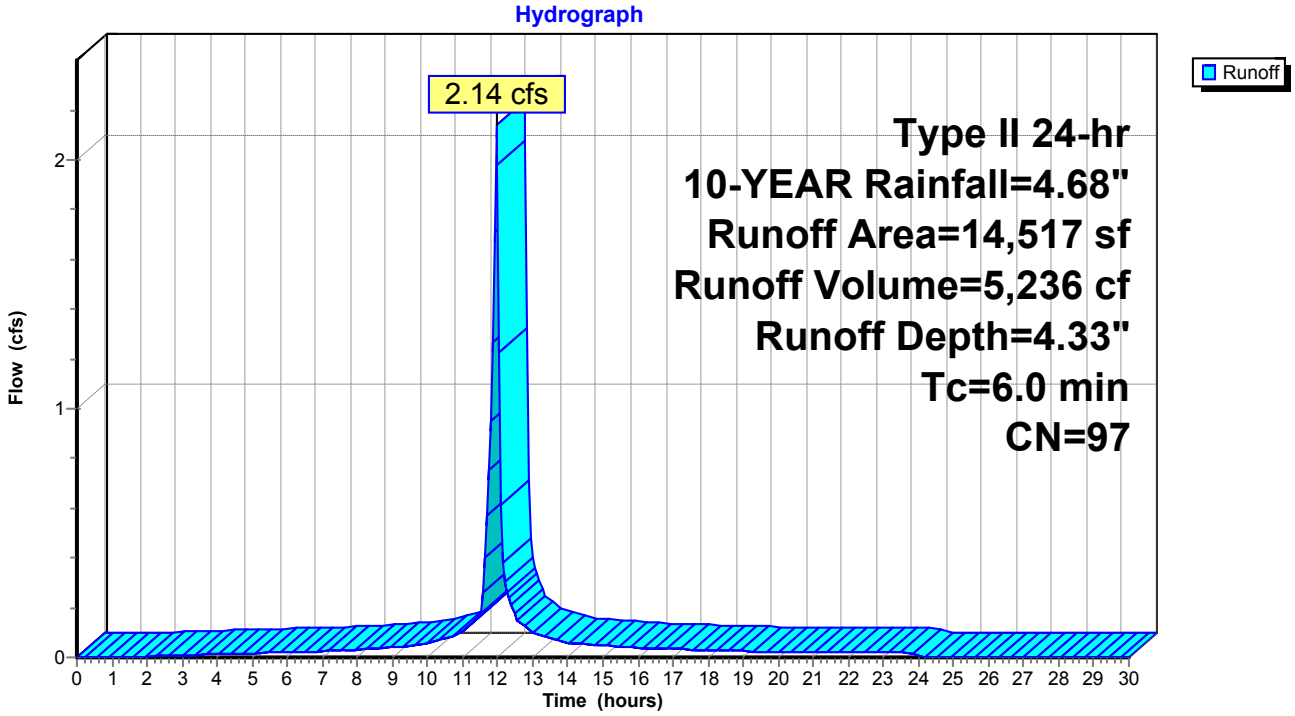
Runoff = 2.14 cfs @ 11.96 hrs, Volume= 5,236 cf, Depth= 4.33"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YEAR Rainfall=4.68"

| Area (sf) | CN | Description |
|---|---|---|
| 975 | 80 | >75% Grass cover, Good, HSG D |
| 13,542 | 98 | Paved parking, HSG D |
| 14,517 | 97 | Weighted Average |
| 975 | | 6.72% Pervious Area |
| 13,542 | | 93.28% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 6.0 | | | | | **Direct Entry,** |

### Subcatchment DA-1: DA-1



## Summary for Subcatchment DA-10: DA-10

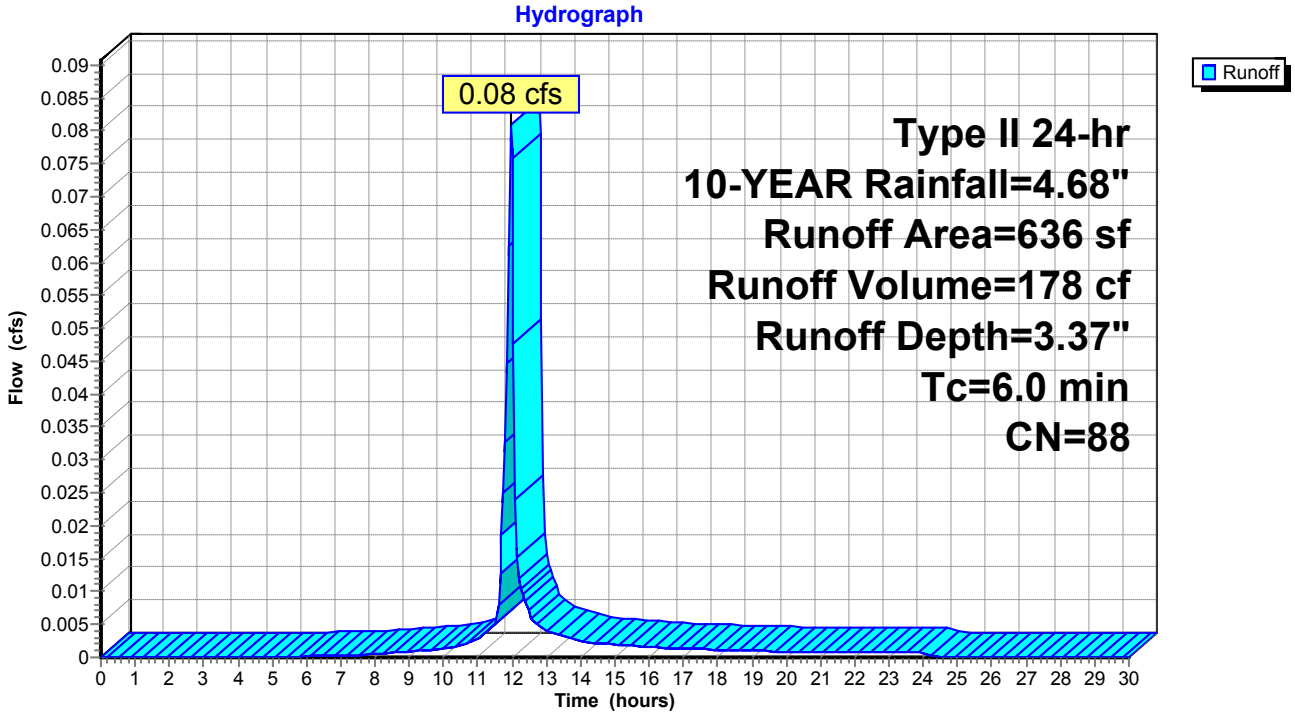
Runoff = 0.08 cfs @ 11.97 hrs, Volume= 178 cf, Depth= 3.37"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YEAR Rainfall=4.68"

| Area (sf) | CN | Description |
|---|---|---|
| 348 | 80 | >75% Grass cover, Good, HSG D |
| 288 | 98 | Paved parking, HSG D |
| 636 | 88 | Weighted Average |
| 348 | | 54.72% Pervious Area |
| 288 | | 45.28% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 6.0 | | | | | **Direct Entry,** |

### Subcatchment DA-10: DA-10



## Summary for Subcatchment DA-11: DA-11

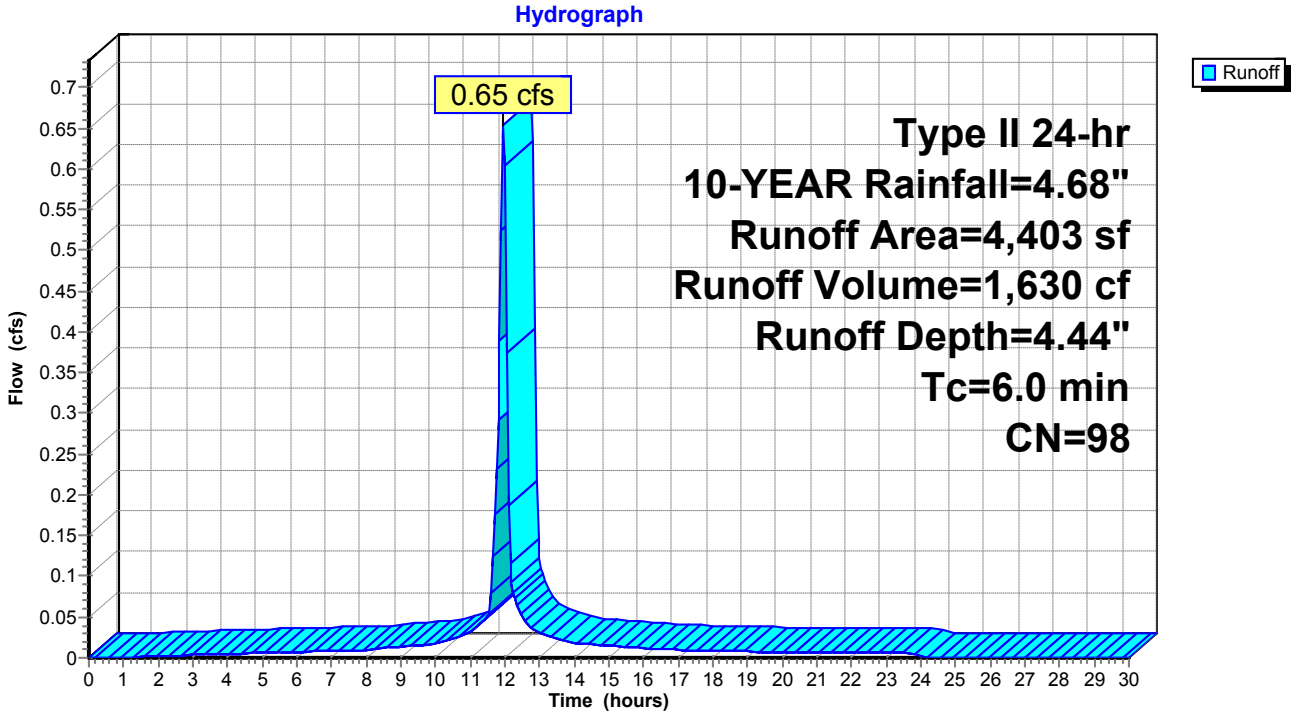
Runoff = 0.65 cfs @ 11.96 hrs, Volume= 1,630 cf, Depth= 4.44"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YEAR Rainfall=4.68"

| Area (sf) | CN | Description |
|---|---|---|
| 4,403 | 98 | Roofs, HSG D |
| 4,403 | | 100.00% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 6.0 | | | | | **Direct Entry,** |

## Subcatchment DA-11: DA-11



## Summary for Subcatchment DA-12: DA-12

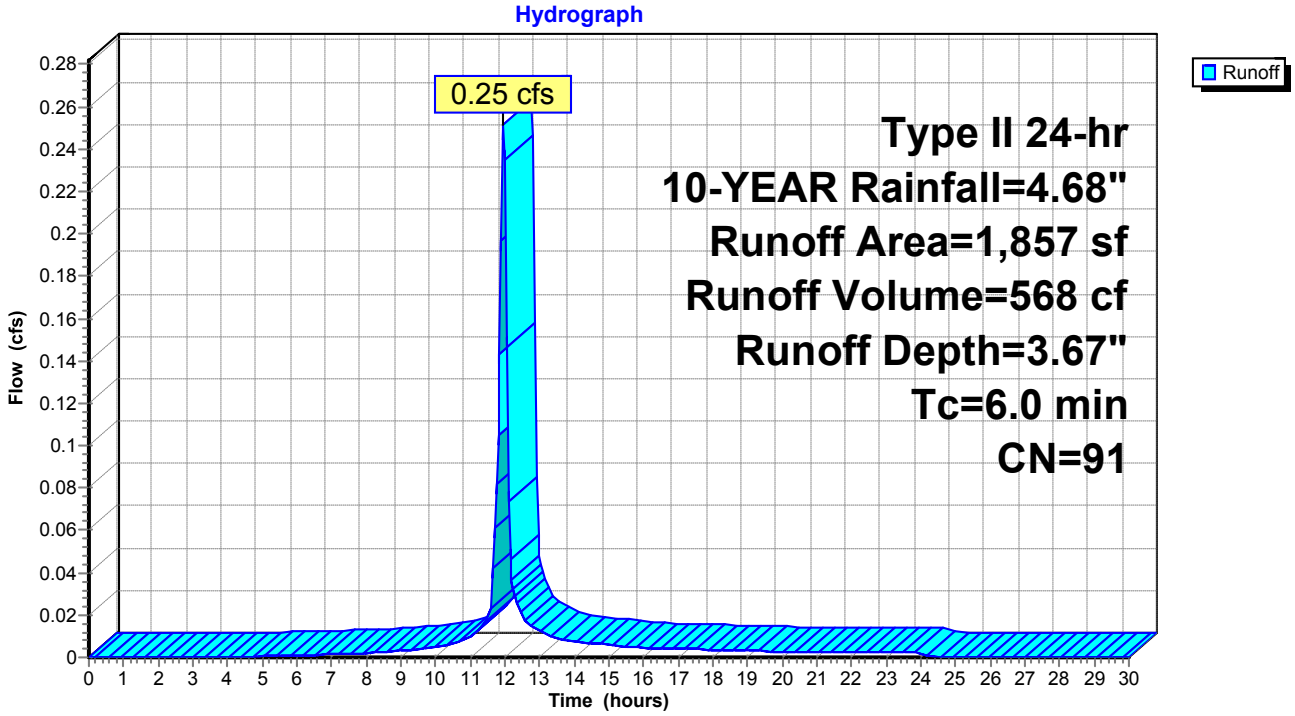
Runoff = 0.25 cfs @ 11.96 hrs, Volume= 568 cf, Depth= 3.67"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YEAR Rainfall=4.68"

| Area (sf) | CN | Description |
|---|---|---|
| 709 | 80 | >75% Grass cover, Good, HSG D |
| 1,148 | 98 | Paved parking, HSG D |
| 1,857 | 91 | Weighted Average |
| 709 | | 38.18% Pervious Area |
| 1,148 | | 61.82% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 6.0 | | | | | **Direct Entry,** |

### Subcatchment DA-12: DA-12



## Summary for Subcatchment DA-2: DA-2

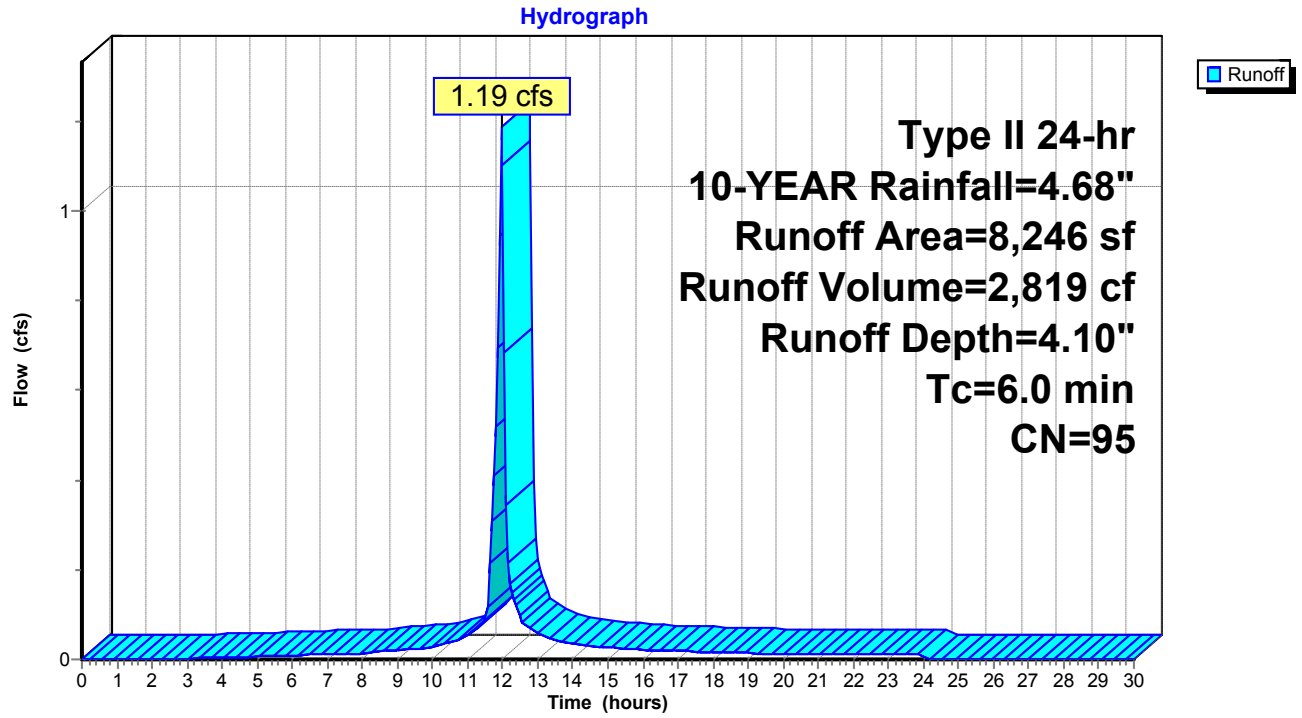
Runoff = 1.19 cfs @ 11.96 hrs, Volume= 2,819 cf, Depth= 4.10"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YEAR Rainfall=4.68"

| Area (sf) | CN | Description |
|---|---|---|
| 1,181 | 80 | >75% Grass cover, Good, HSG D |
| 7,065 | 98 | Paved parking, HSG D |
| 8,246 | 95 | Weighted Average |
| 1,181 | | 14.32% Pervious Area |
| 7,065 | | 85.68% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 6.0 | | | | | **Direct Entry,** |

## Subcatchment DA-2: DA-2



## Summary for Subcatchment DA-4: DA-4

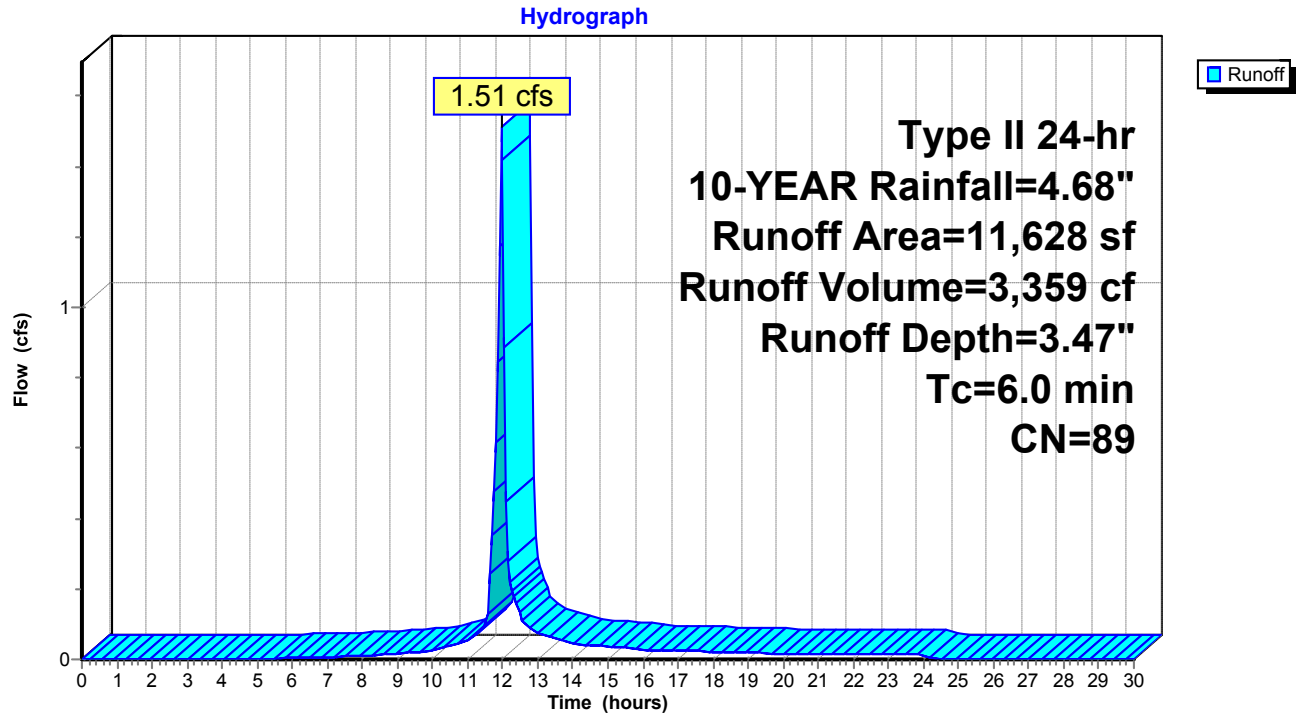
Runoff = 1.51 cfs @ 11.97 hrs, Volume= 3,359 cf, Depth= 3.47"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YEAR Rainfall=4.68"

| Area (sf) | CN | Description |
|---|---|---|
| 5,972 | 80 | >75% Grass cover, Good, HSG D |
| 5,656 | 98 | Paved parking, HSG D |
| 11,628 | 89 | Weighted Average |
| 5,972 | | 51.36% Pervious Area |
| 5,656 | | 48.64% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 6.0 | | | | | **Direct Entry,** |

## Subcatchment DA-4: DA-4



## Summary for Subcatchment DA-5: DA-5

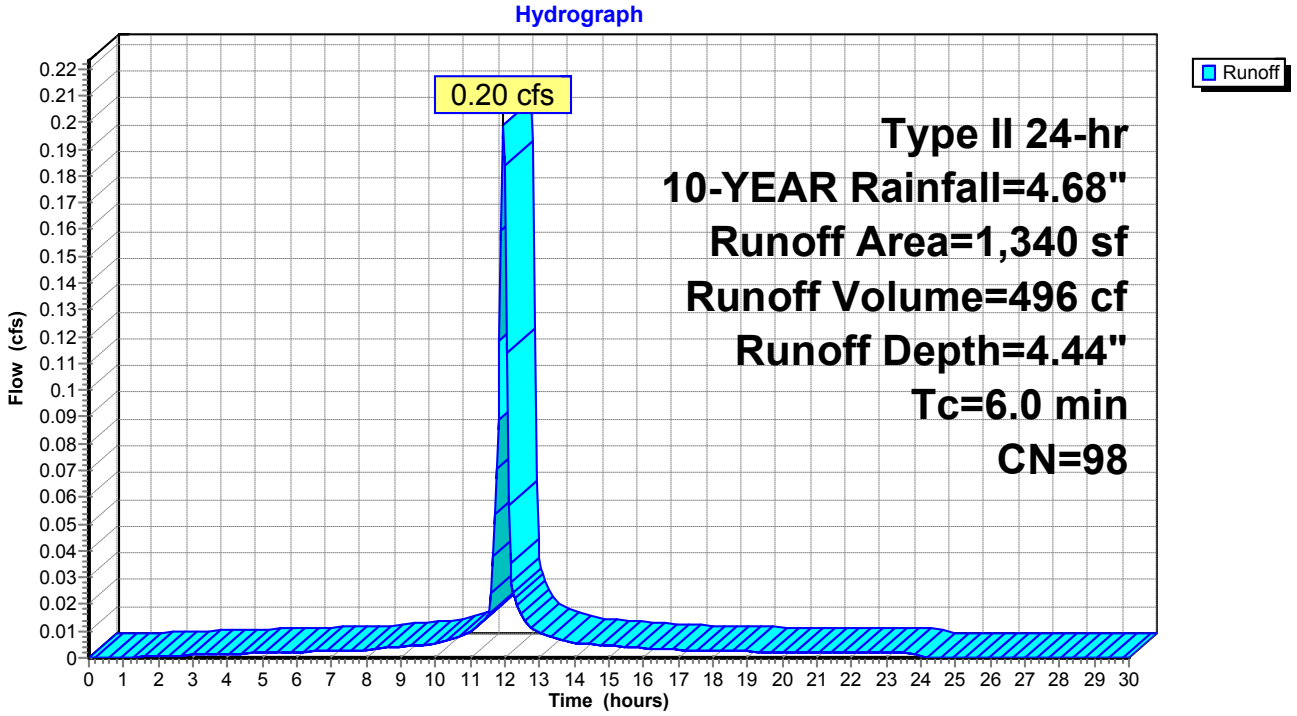
Runoff = 0.20 cfs @ 11.96 hrs, Volume= 496 cf, Depth= 4.44"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YEAR Rainfall=4.68"

| Area (sf) | CN | Description |
|---|---|---|
| 1,340 | 98 | Paved parking, HSG D |
| 1,340 | | 100.00% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 6.0 | | | | | **Direct Entry,** |

## Subcatchment DA-5: DA-5



## Summary for Subcatchment DA-6: DA-6

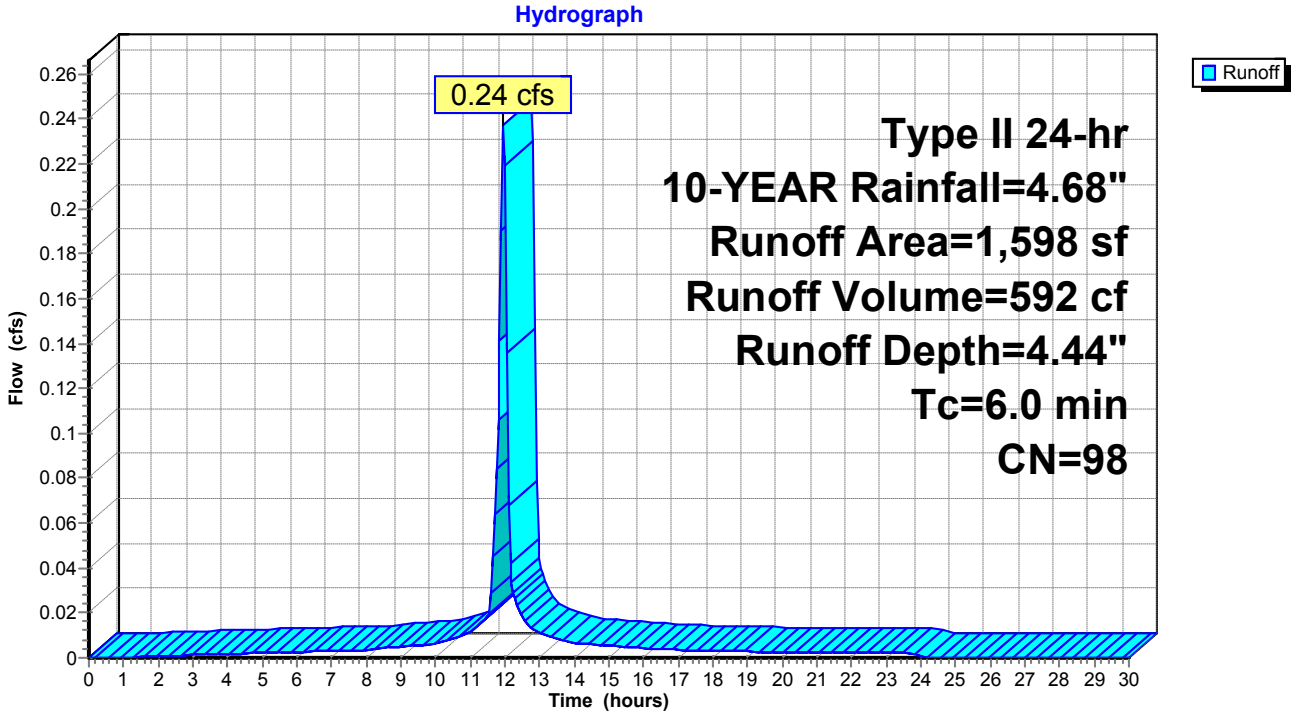
Runoff = 0.24 cfs @ 11.96 hrs, Volume= 592 cf, Depth= 4.44"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YEAR Rainfall=4.68"

| Area (sf) | CN | Description |
|---|---|---|
| 1,598 | 98 | Paved parking, HSG D |
| 1,598 | | 100.00% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 6.0 | | | | | **Direct Entry,** |

## Subcatchment DA-6: DA-6



## Summary for Subcatchment DA-7: DA-7

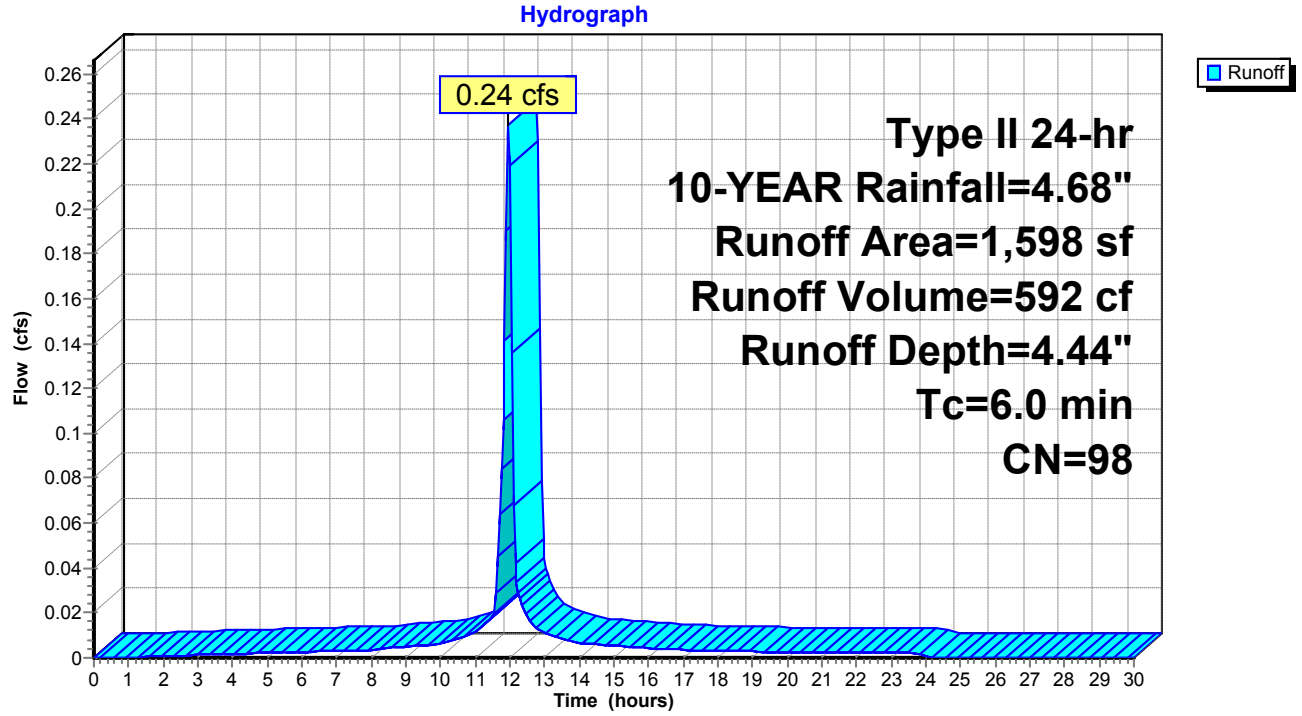
Runoff = 0.24 cfs @ 11.96 hrs, Volume= 592 cf, Depth= 4.44"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YEAR Rainfall=4.68"

| Area (sf) | CN | Description |
|---|---|---|
| 1,598 | 98 | Paved parking, HSG D |
| 1,598 | | 100.00% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 6.0 | | | | | **Direct Entry,** |

## Subcatchment DA-7: DA-7



## Summary for Subcatchment DA-8: DA-8

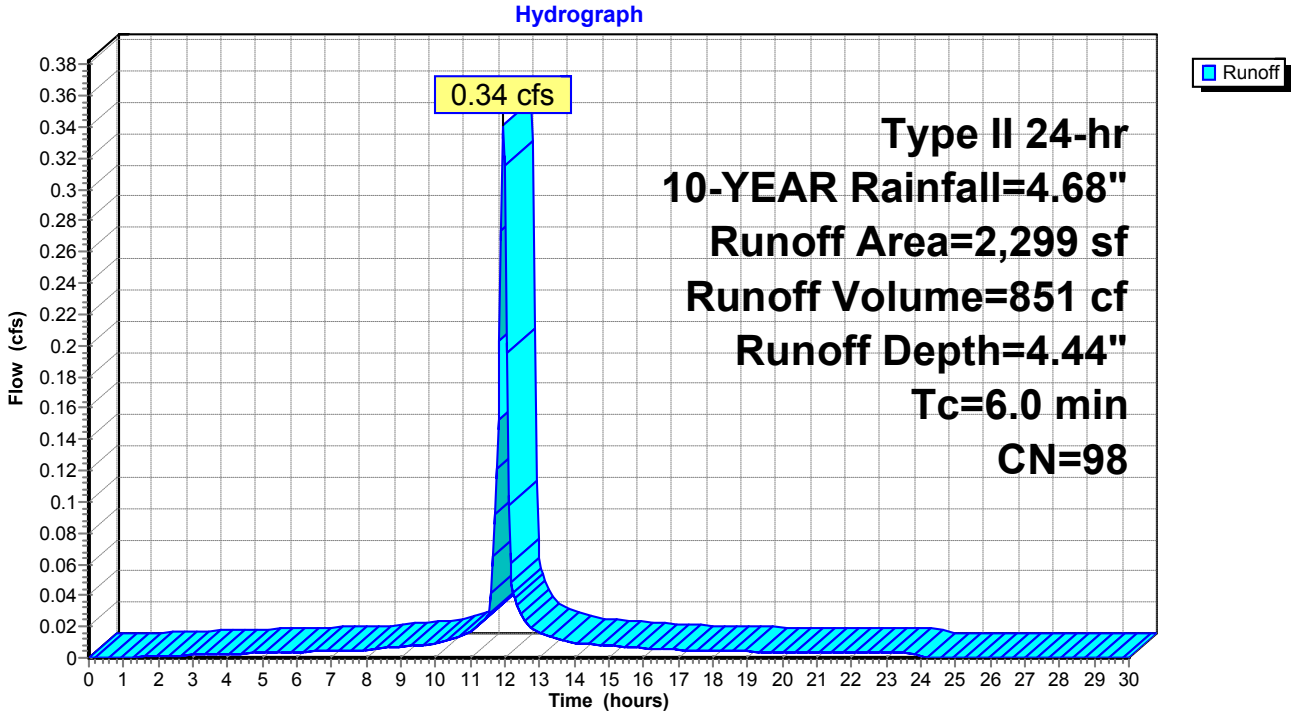
Runoff = 0.34 cfs @ 11.96 hrs, Volume= 851 cf, Depth= 4.44"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YEAR Rainfall=4.68"

| Area (sf) | CN | Description |
|---|---|---|
| 2,299 | 98 | Paved parking, HSG D |
| 2,299 | | 100.00% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 6.0 | | | | | **Direct Entry,** |

## Subcatchment DA-8: DA-8



## Summary for Subcatchment DA-9: DA-9

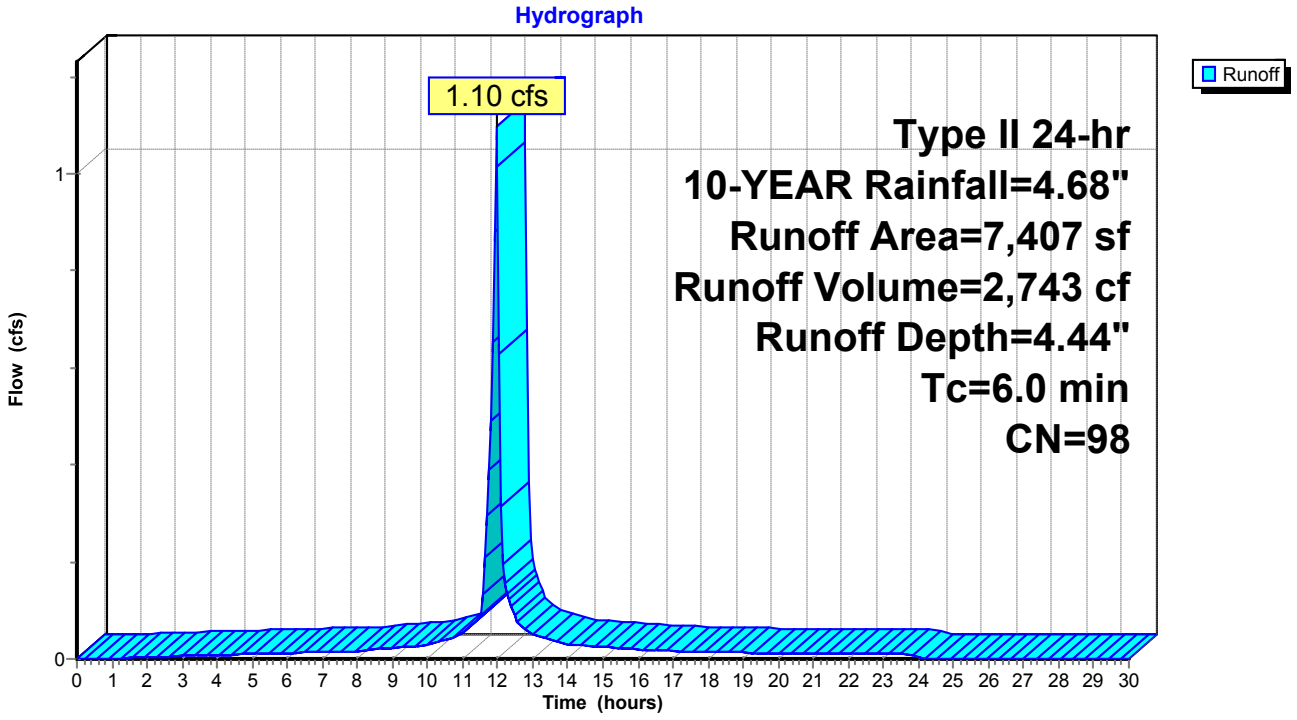
Runoff = 1.10 cfs @ 11.96 hrs, Volume= 2,743 cf, Depth= 4.44"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YEAR Rainfall=4.68"

| Area (sf) | CN | Description |
|---|---|---|
| 184 | 80 | >75% Grass cover, Good, HSG D |
| 363 | 98 | Paved parking, HSG D |
| 6,860 | 98 | Roofs, HSG D |
| 7,407 | 98 | Weighted Average |
| 184 | | 2.48% Pervious Area |
| 7,223 | | 97.52% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 6.0 | | | | | **Direct Entry,** |

## Subcatchment DA-9: DA-9



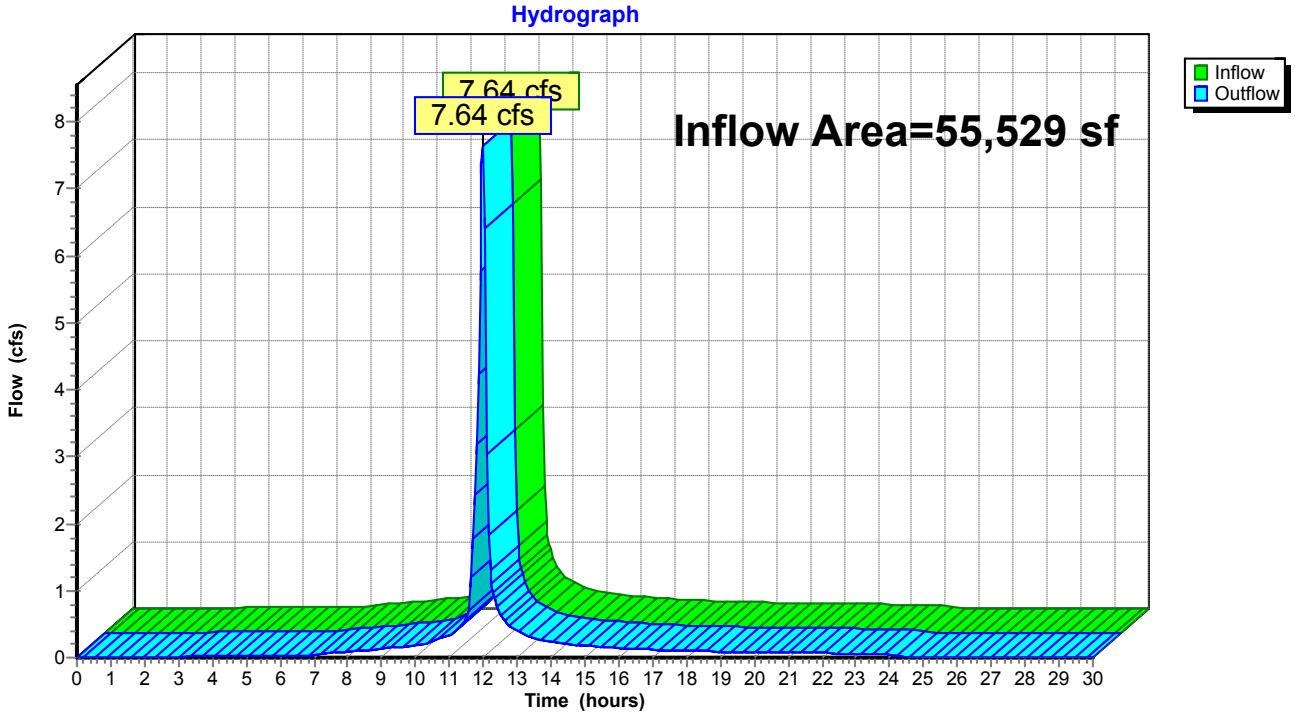
## Summary for Reach DP-1: DP-1

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area = 55,529 sf, 83.13% Impervious, Inflow Depth = 3.95" for 10-YEAR event
Inflow = 7.64 cfs @ 11.98 hrs, Volume= 18,269 cf
Outflow = 7.64 cfs @ 11.98 hrs, Volume= 18,269 cf, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs

### Reach DP-1: DP-1



## Summary for Pond 1P: Underground Infiltration

Inflow Area = 27,166 sf, 92.06% Impervious, Inflow Depth = 4.28" for 10-YEAR event
Inflow = 3.99 cfs @ 11.96 hrs, Volume= 9,686 cf
Outflow = 3.74 cfs @ 11.99 hrs, Volume= 9,405 cf, Atten= 6%, Lag= 1.7 min
Discarded = 0.01 cfs @ 2.40 hrs, Volume= 515 cf
Primary = 3.73 cfs @ 11.99 hrs, Volume= 8,890 cf

Routing by Stor-Ind method, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Peak Elev= 160.21' @ 11.99 hrs Surf.Area= 666 sf Storage= 987 cf

Plug-Flow detention time= 52.6 min calculated for 9,389 cf (97% of inflow)
Center-of-Mass det. time= 34.7 min ( 790.5 - 755.7 )

| Volume | Invert | Avail.Storage | Storage Description |
|---|---|---|---|
| #1A | 157.75' | 772 cf | **11.00'W x 60.58'L x 4.00'H Field A**<br>2,665 cf Overall - 735 cf Embedded = 1,930 cf x 40.0% Voids |
| #2A | 158.75' | 735 cf | **ADS_StormTech SC-740 +Cap** x 16 Inside #1<br>Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf<br>Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap<br>2 Rows of 8 Chambers |
| | | 1,507 cf | Total Available Storage |

Storage Group A created with Chamber Wizard

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 158.95' | **15.0" Round Culvert**<br>L= 15.0' CPP, projecting, no headwall, Ke= 0.900<br>Inlet / Outlet Invert= 158.95' / 158.75' S= 0.0133 '/' Cc= 0.900<br>n= 0.013, Flow Area= 1.23 sf |
| #2 | Discarded | 157.75' | **0.330 in/hr Exfiltration over Surface area** |

**Discarded OutFlow** Max=0.01 cfs @ 2.40 hrs HW=157.79' (Free Discharge)
↑**2=Exfiltration** (Exfiltration Controls 0.01 cfs)

**Primary OutFlow** Max=3.67 cfs @ 11.99 hrs HW=160.19' (Free Discharge)
↑**1=Culvert** (Inlet Controls 3.67 cfs @ 2.99 fps)

## Pond 1P: Underground Infiltration - Chamber Wizard Field A

**Chamber Model = ADS_StormTech SC-740 +Cap (ADS StormTech® SC-740 with cap length)**
Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf
Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap

51.0" Wide + 6.0" Spacing = 57.0" C-C Row Spacing

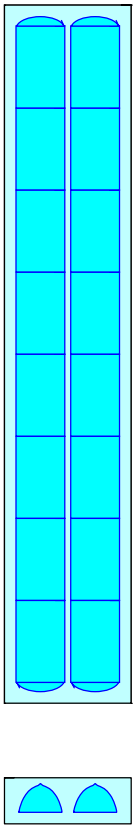
8 Chambers/Row x 7.12' Long +0.81' Cap Length x 2 = 58.58' Row Length +12.0" End Stone x 2 = 60.58' Base Length
2 Rows x 51.0" Wide + 6.0" Spacing x 1 + 12.0" Side Stone x 2 = 11.00' Base Width
12.0" Base + 30.0" Chamber Height + 6.0" Cover = 4.00' Field Height

16 Chambers x 45.9 cf = 735.0 cf Chamber Storage

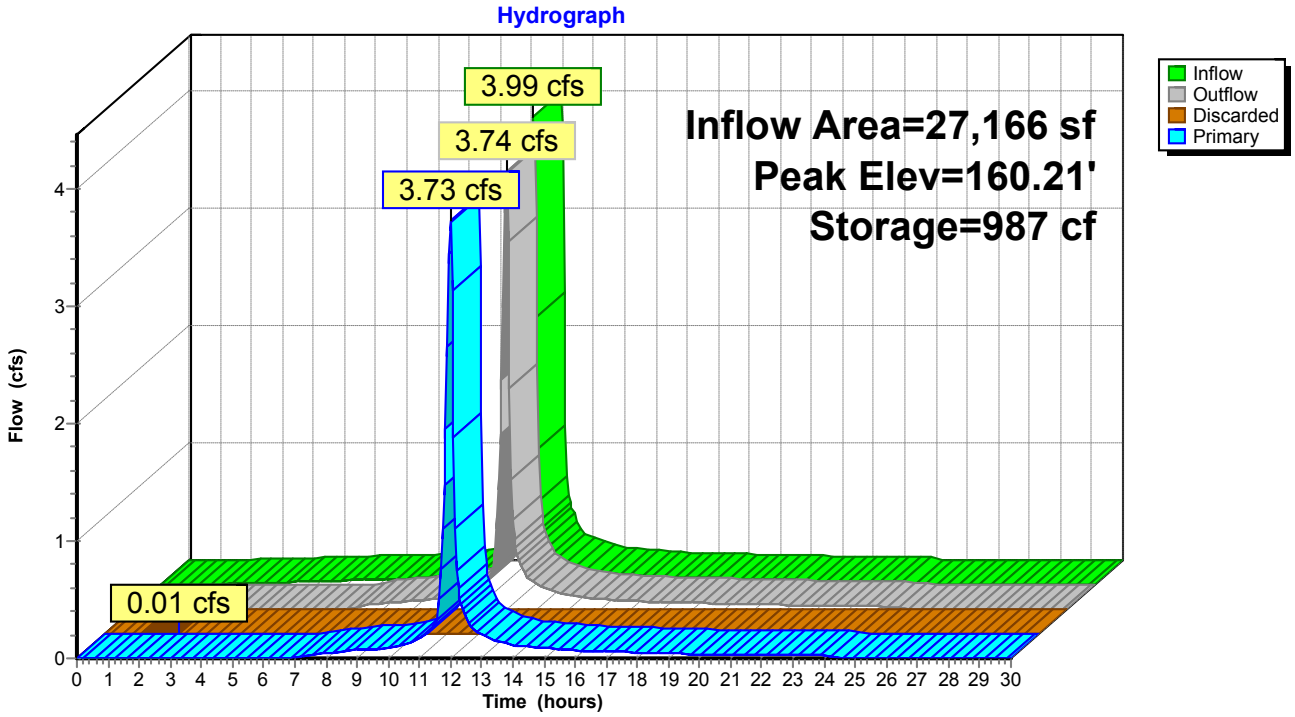
2,665.4 cf Field - 735.0 cf Chambers = 1,930.3 cf Stone x 40.0% Voids = 772.1 cf Stone Storage

Chamber Storage + Stone Storage = 1,507.2 cf = 0.035 af
Overall Storage Efficiency = 56.5%
Overall System Size = 60.58' x 11.00' x 4.00'

16 Chambers
98.7 cy Field
71.5 cy Stone



## Pond 1P: Underground Infiltration



## Summary for Pond CB-3: PROPOSED CATCH BASIN #3

[81] Warning: Exceeded Pond 1P by 2.54' @ 12.00 hrs

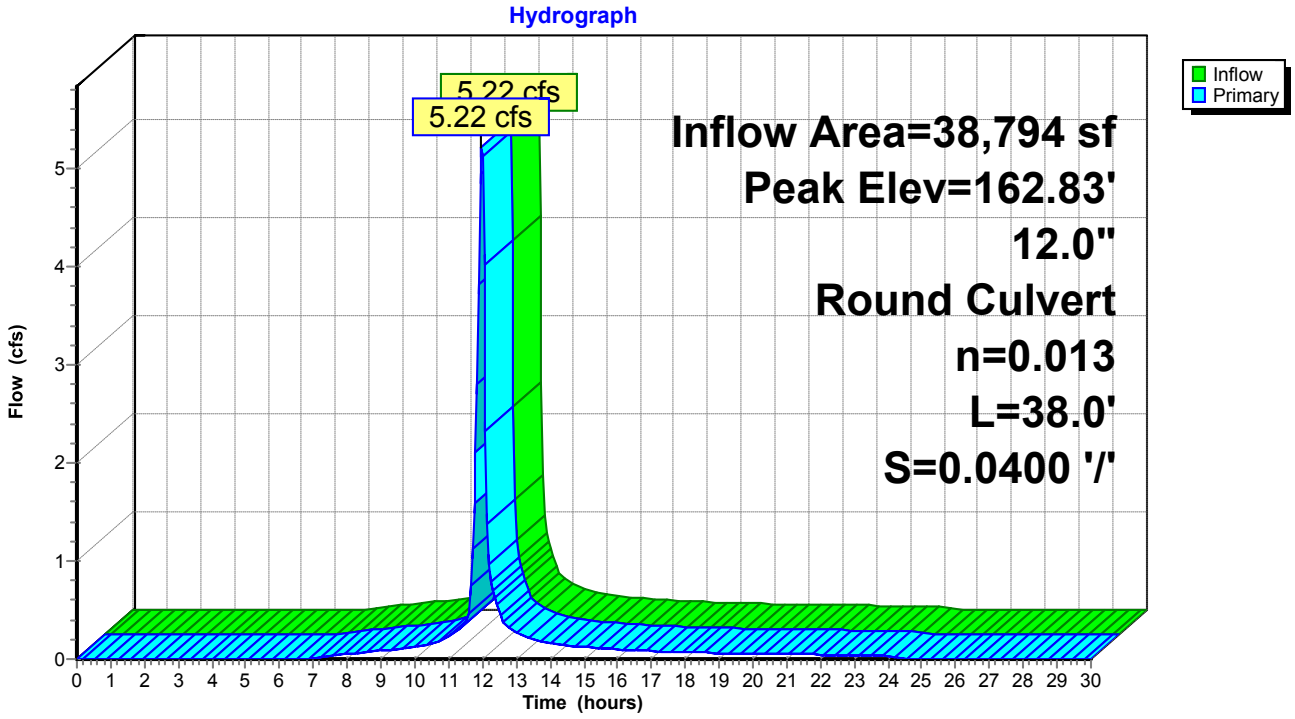
Inflow Area = 38,794 sf, 79.05% Impervious, Inflow Depth = 3.79" for 10-YEAR event
Inflow = 5.22 cfs @ 11.98 hrs, Volume= 12,248 cf
Outflow = 5.22 cfs @ 11.98 hrs, Volume= 12,248 cf, Atten= 0%, Lag= 0.0 min
Primary = 5.22 cfs @ 11.98 hrs, Volume= 12,248 cf

Routing by Stor-Ind method, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Peak Elev= 162.83' @ 11.98 hrs
Flood Elev= 173.90'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 159.29' | **12.0" Round Culvert**<br>L= 38.0' CPP, projecting, no headwall, Ke= 0.900<br>Inlet / Outlet Invert= 159.29' / 157.77' S= 0.0400 '/' Cc= 0.900<br>n= 0.013, Flow Area= 0.79 sf |

**Primary OutFlow** Max=5.07 cfs @ 11.98 hrs HW=162.67' (Free Discharge)
└**1=Culvert** (Inlet Controls 5.07 cfs @ 6.45 fps)

## Pond CB-3: PROPOSED CATCH BASIN #3



## Summary for Pond CB-4: PROPOSED CATCH BASIN #4

[58] Hint: Peaked 0.06' above defined flood level
[79] Warning: Submerged Pond CB-3 Primary device # 1 INLET by 1.68'
[79] Warning: Submerged Pond CB-5 Primary device # 1 INLET by 2.07'

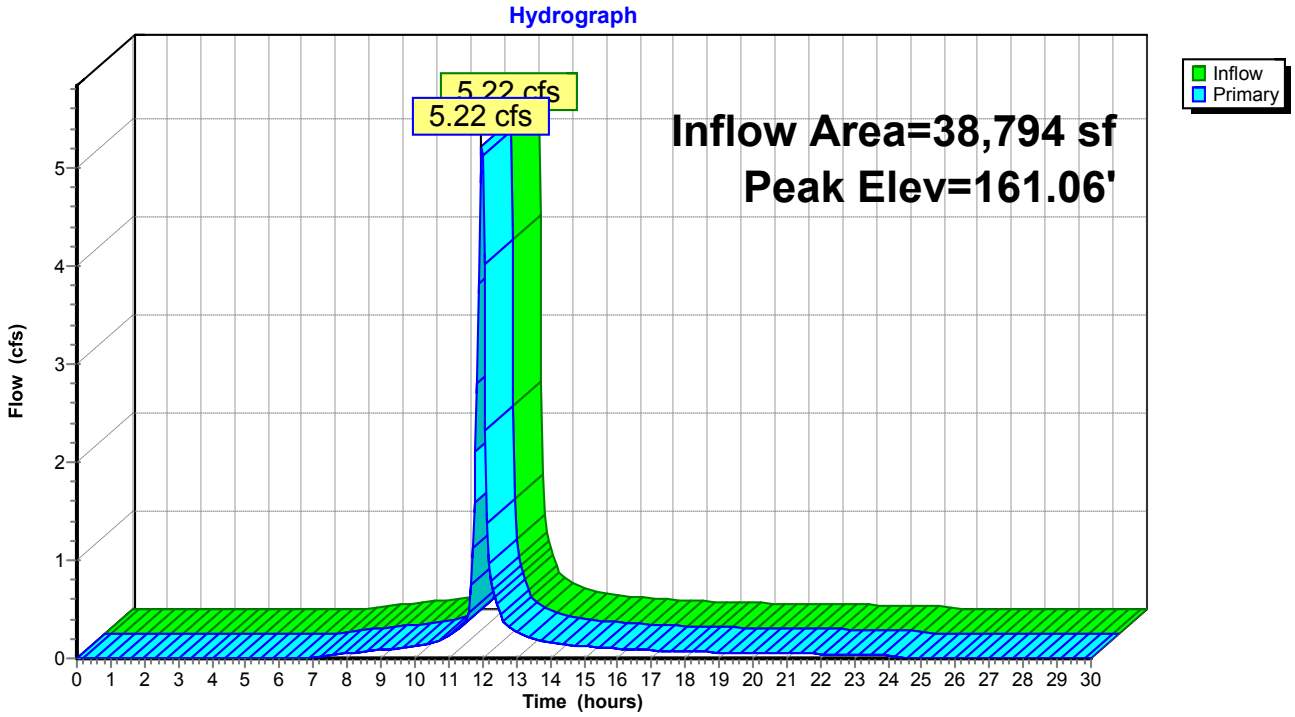
Inflow Area = 38,794 sf, 79.05% Impervious, Inflow Depth = 3.79" for 10-YEAR event
Inflow = 5.22 cfs @ 11.98 hrs, Volume= 12,248 cf
Outflow = 5.22 cfs @ 11.98 hrs, Volume= 12,248 cf, Atten= 0%, Lag= 0.0 min
Primary = 5.22 cfs @ 11.98 hrs, Volume= 12,248 cf

Routing by Stor-Ind method, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Peak Elev= 161.06' @ 11.98 hrs
Flood Elev= 161.00'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 157.77' | **12.0" Round Culvert**<br>L= 30.0' CPP, projecting, no headwall, Ke= 0.900<br>Inlet / Outlet Invert= 157.77' / 157.47' S= 0.0100 '/' Cc= 0.900<br>n= 0.013, Flow Area= 0.79 sf |
| #2 | Primary | 160.87' | **3.0' long x 3.0' breadth Broad-Crested Rectangular Weir**<br>Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50<br>Coef. (English) 2.44 2.58 2.68 2.67 2.65 2.64 2.64 2.68 2.68 2.72 2.81 2.92 2.97 3.07 3.32 |

**Primary OutFlow** Max=5.06 cfs @ 11.98 hrs HW=160.95' (Free Discharge)
**1=Culvert** (Inlet Controls 4.89 cfs @ 6.23 fps)
**2=Broad-Crested Rectangular Weir** (Weir Controls 0.17 cfs @ 0.70 fps)

## Pond CB-4: PROPOSED CATCH BASIN #4



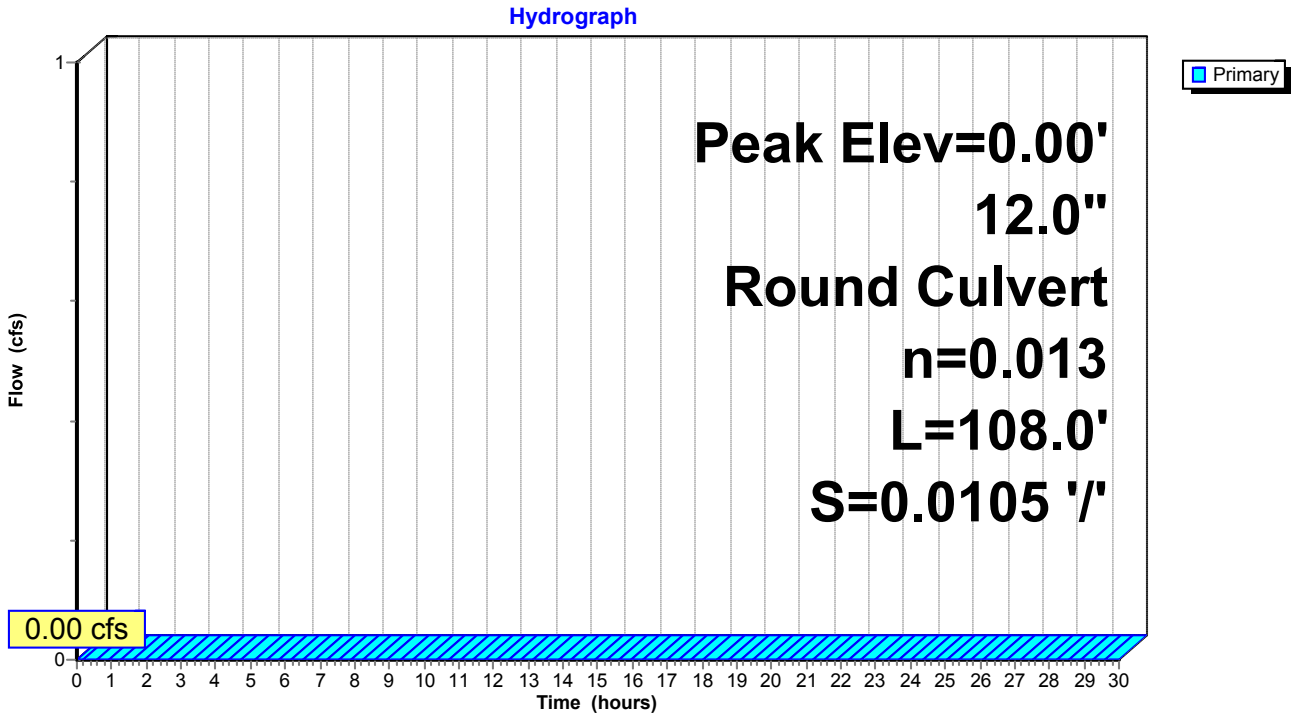
## Summary for Pond CB-5: PROPOSED CATCH BASIN #5

[43] Hint: Has no inflow (Outflow=Zero)

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 158.90' | **12.0" Round Culvert**<br>L= 108.0' CPP, projecting, no headwall, Ke= 0.900<br>Inlet / Outlet Invert= 158.90' / 157.77' S= 0.0105 '/' Cc= 0.900<br>n= 0.013, Flow Area= 0.79 sf |

**Primary OutFlow** Max=0.00 cfs @ 0.00 hrs HW=0.00' (Free Discharge)
**1=Culvert** ( Controls 0.00 cfs)

## Pond CB-5: PROPOSED CATCH BASIN #5



## Summary for Pond CB-6: PROPOSED CATCH BASIN #6

[58] Hint: Peaked 0.32' above defined flood level
[81] Warning: Exceeded Pond CB-4 by 0.54' @ 11.90 hrs

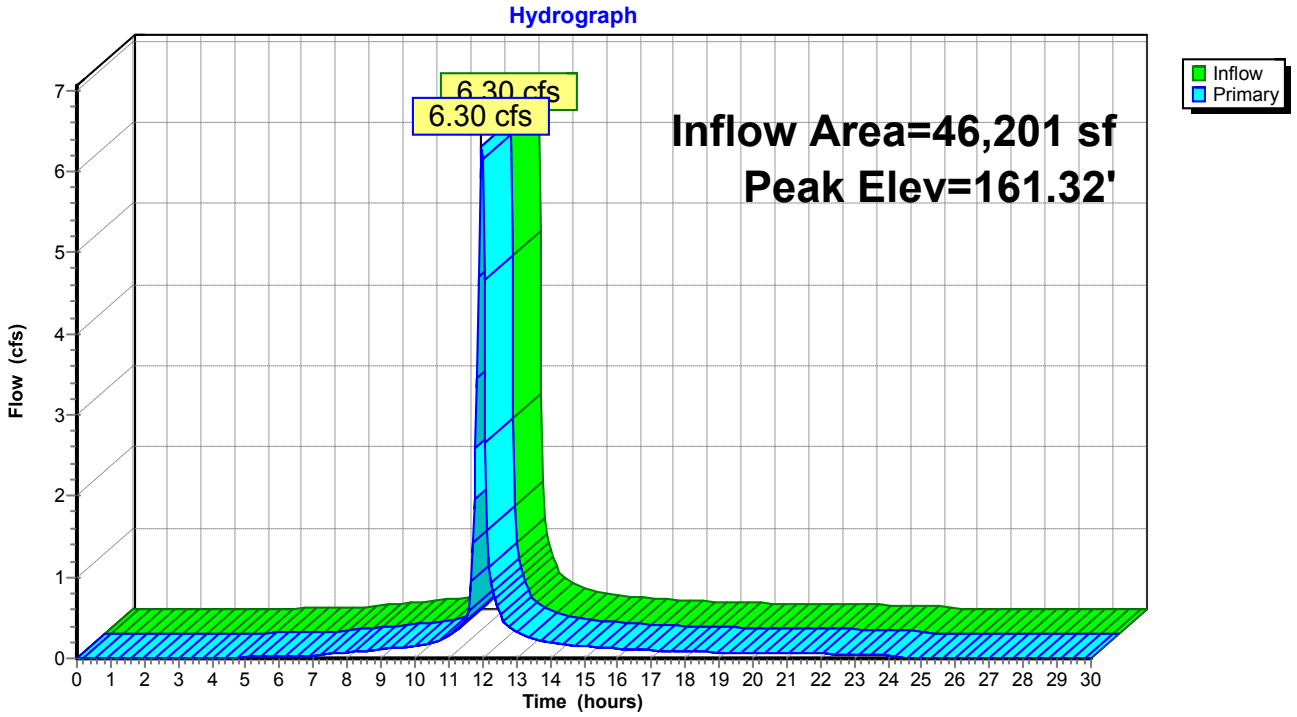
Inflow Area = 46,201 sf, 82.01% Impervious, Inflow Depth = 3.89" for 10-YEAR event
Inflow = 6.30 cfs @ 11.98 hrs, Volume= 14,991 cf
Outflow = 6.30 cfs @ 11.98 hrs, Volume= 14,991 cf, Atten= 0%, Lag= 0.0 min
Primary = 6.30 cfs @ 11.98 hrs, Volume= 14,991 cf

Routing by Stor-Ind method, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Peak Elev= 161.32' @ 11.98 hrs
Flood Elev= 161.00'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 157.47' | **12.0" Round Culvert**<br>L= 49.0' CPP, projecting, no headwall, Ke= 0.900<br>Inlet / Outlet Invert= 157.47' / 155.60' S= 0.0382 '/' Cc= 0.900<br>n= 0.013, Flow Area= 0.79 sf |
| #2 | Primary | 161.00' | **3.0' long x 3.0' breadth Broad-Crested Rectangular Weir**<br>Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50<br>Coef. (English) 2.44 2.58 2.68 2.67 2.65 2.64 2.64 2.68 2.68 2.72 2.81 2.92 2.97 3.07 3.32 |

**Primary OutFlow** Max=6.10 cfs @ 11.98 hrs HW=161.21' (Free Discharge)
**1=Culvert** (Inlet Controls 5.38 cfs @ 6.85 fps)
**2=Broad-Crested Rectangular Weir** (Weir Controls 0.72 cfs @ 1.13 fps)

## Pond CB-6: PROPOSED CATCH BASIN #6



## Summary for Pond EX-CB: EXISTING CATCH BASIN

[79] Warning: Submerged Pond CB-6 Primary device # 1 INLET by 0.07'
[79] Warning: Submerged Pond YD-5 Primary device # 1 OUTLET by 1.94'

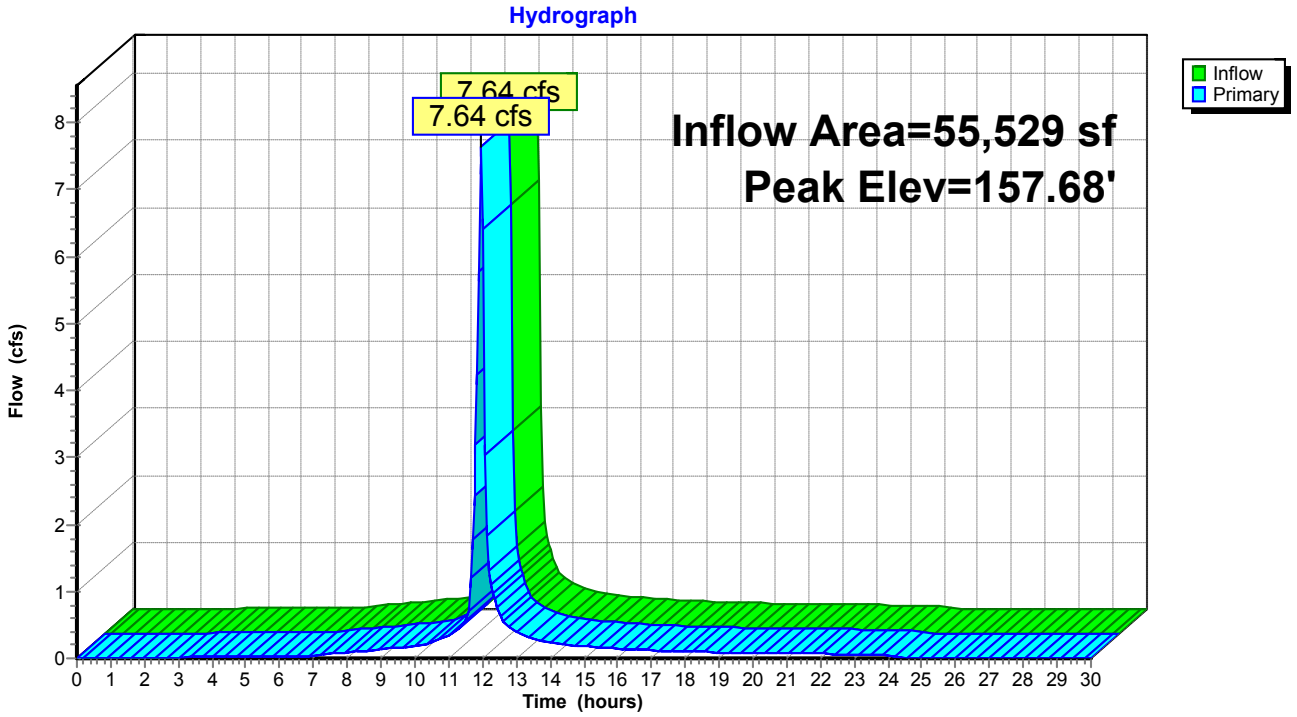
Inflow Area = 55,529 sf, 83.13% Impervious, Inflow Depth = 3.95" for 10-YEAR event
Inflow = 7.64 cfs @ 11.98 hrs, Volume= 18,269 cf
Outflow = 7.64 cfs @ 11.98 hrs, Volume= 18,269 cf, Atten= 0%, Lag= 0.0 min
Primary = 7.64 cfs @ 11.98 hrs, Volume= 18,269 cf

Routing by Stor-Ind method, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Peak Elev= 157.68' @ 11.98 hrs
Flood Elev= 157.95'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 154.40' | **15.0" Round Culvert**<br>L= 26.0' CPP, projecting, no headwall, Ke= 0.900<br>Inlet / Outlet Invert= 154.40' / 153.50' S= 0.0346 '/' Cc= 0.900<br>n= 0.013, Flow Area= 1.23 sf |
| #2 | Primary | 157.97' | **3.0' long x 3.0' breadth Broad-Crested Rectangular Weir**<br>Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50<br>Coef. (English) 2.44 2.58 2.68 2.67 2.65 2.64 2.64 2.68 2.68 2.72 2.81 2.92 2.97 3.07 3.32 |

**Primary OutFlow** Max=7.39 cfs @ 11.98 hrs HW=157.53' (Free Discharge)
**1=Culvert** (Inlet Controls 7.39 cfs @ 6.02 fps)
**2=Broad-Crested Rectangular Weir** ( Controls 0.00 cfs)

## Pond EX-CB: EXISTING CATCH BASIN



## Summary for Pond YD-1: PROPOSED YARD DRAIN #1

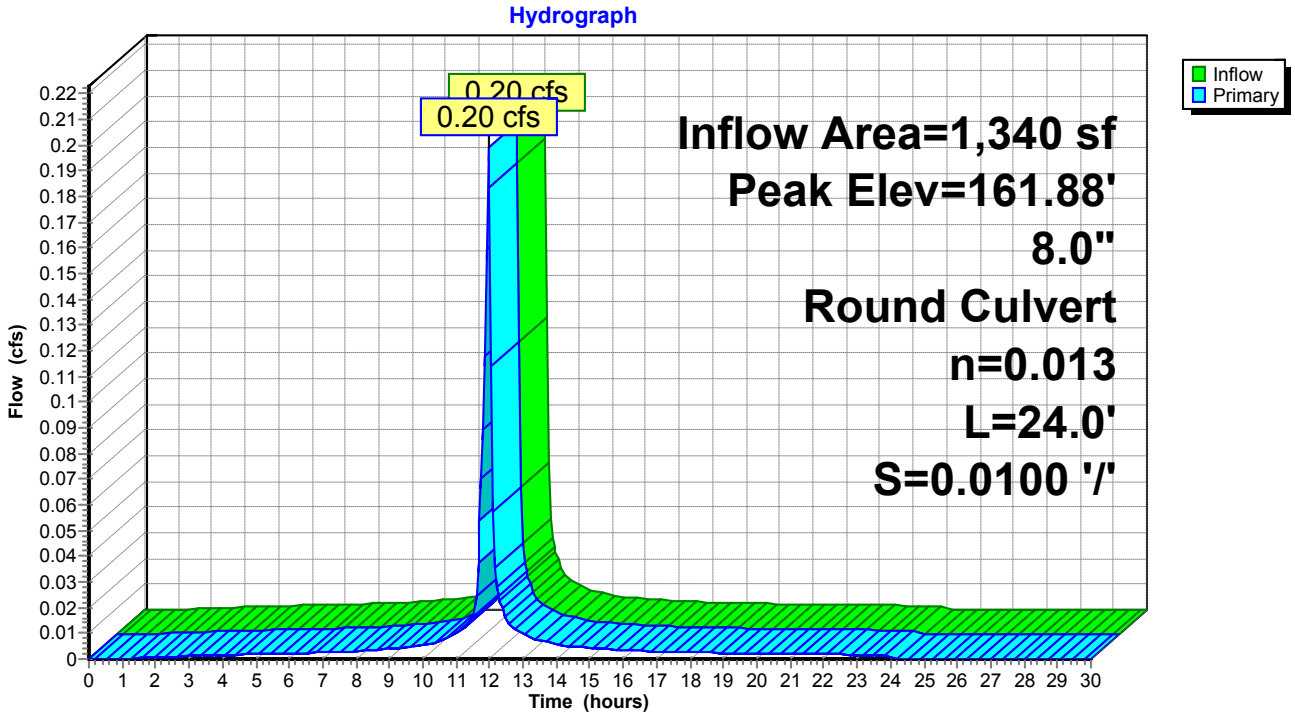
Inflow Area = 1,340 sf,100.00% Impervious, Inflow Depth = 4.44" for 10-YEAR event
Inflow = 0.20 cfs @ 11.96 hrs, Volume= 496 cf
Outflow = 0.20 cfs @ 11.96 hrs, Volume= 496 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.20 cfs @ 11.96 hrs, Volume= 496 cf

Routing by Stor-Ind method, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Peak Elev= 161.88' @ 11.96 hrs
Flood Elev= 164.10'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 161.60' | **8.0" Round Culvert**<br>L= 24.0' CPP, projecting, no headwall, Ke= 0.900<br>Inlet / Outlet Invert= 161.60' / 161.36' S= 0.0100 '/' Cc= 0.900<br>n= 0.013, Flow Area= 0.35 sf |

**Primary OutFlow** Max=0.19 cfs @ 11.96 hrs HW=161.88' (Free Discharge)
**1=Culvert** (Inlet Controls 0.19 cfs @ 1.42 fps)

## Pond YD-1: PROPOSED YARD DRAIN #1



## Summary for Pond YD-2: PROPOSED YARD DRAIN #2

[79] Warning: Submerged Pond YD-1 Primary device # 1 INLET by 0.20'

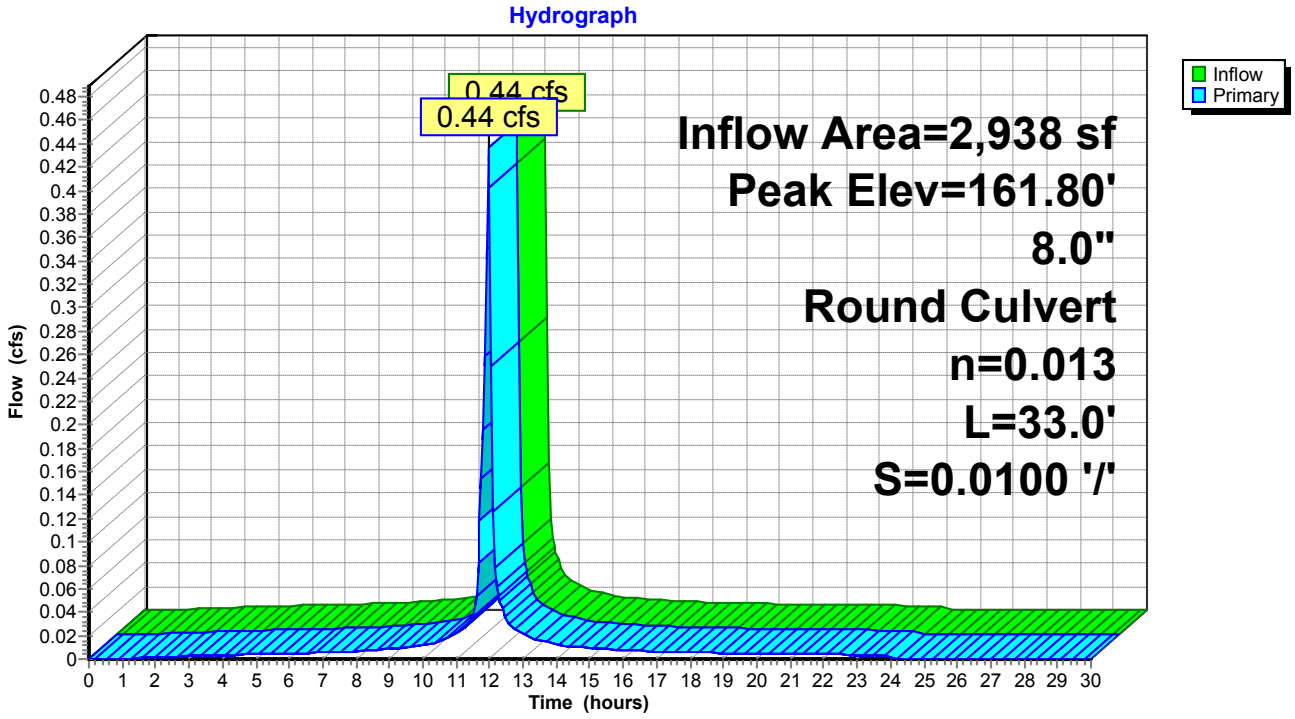
Inflow Area = 2,938 sf,100.00% Impervious, Inflow Depth = 4.44" for 10-YEAR event
Inflow = 0.44 cfs @ 11.96 hrs, Volume= 1,088 cf
Outflow = 0.44 cfs @ 11.96 hrs, Volume= 1,088 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.44 cfs @ 11.96 hrs, Volume= 1,088 cf

Routing by Stor-Ind method, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Peak Elev= 161.80' @ 11.96 hrs
Flood Elev= 164.10'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 161.36' | **8.0" Round Culvert**<br>L= 33.0' CPP, projecting, no headwall, Ke= 0.900<br>Inlet / Outlet Invert= 161.36' / 161.03' S= 0.0100 '/' Cc= 0.900<br>n= 0.013, Flow Area= 0.35 sf |

**Primary OutFlow** Max=0.43 cfs @ 11.96 hrs HW=161.79' (Free Discharge)
**1=Culvert** (Inlet Controls 0.43 cfs @ 1.77 fps)

## Pond YD-2: PROPOSED YARD DRAIN #2



## Summary for Pond YD-3: PROPOSED YARD DRAIN #3

[79] Warning: Submerged Pond YD-2 Primary device # 1 INLET by 0.26'

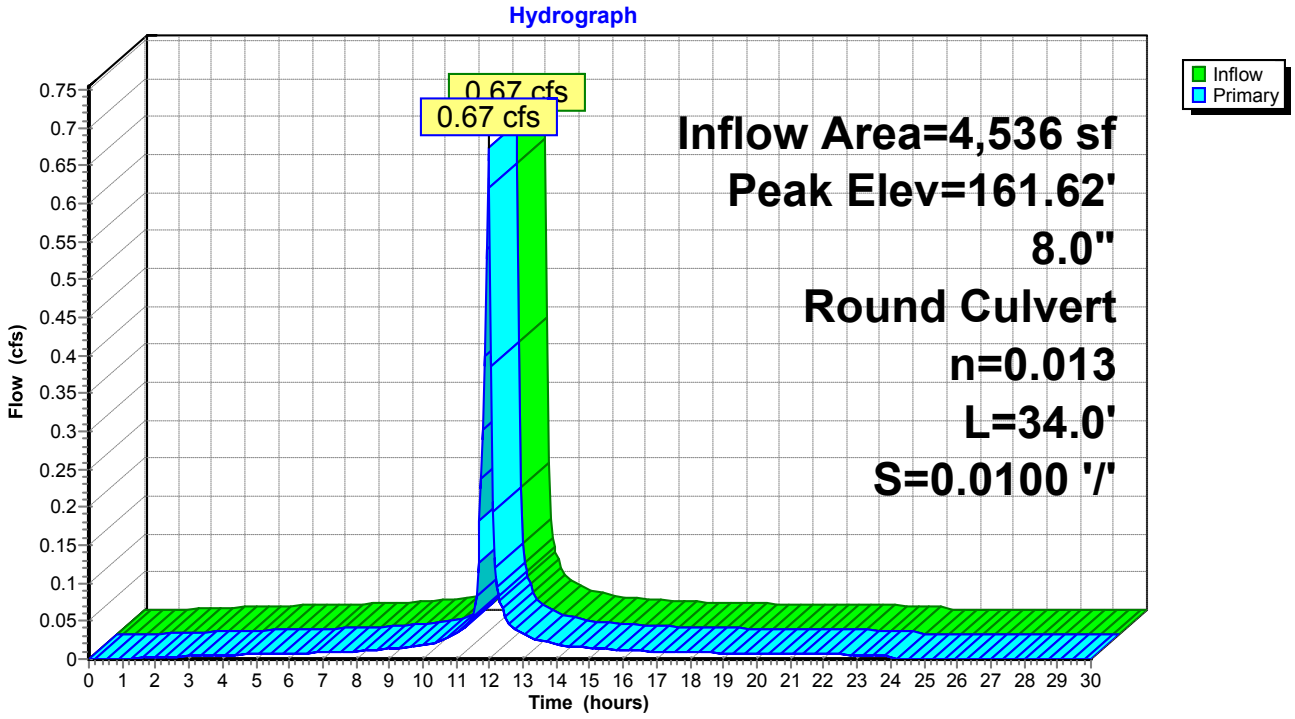
Inflow Area = 4,536 sf,100.00% Impervious, Inflow Depth = 4.44" for 10-YEAR event
Inflow = 0.67 cfs @ 11.96 hrs, Volume= 1,680 cf
Outflow = 0.67 cfs @ 11.96 hrs, Volume= 1,680 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.67 cfs @ 11.96 hrs, Volume= 1,680 cf

Routing by Stor-Ind method, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Peak Elev= 161.62' @ 11.96 hrs
Flood Elev= 164.10'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 161.03' | **8.0" Round Culvert**<br>L= 34.0' CPP, projecting, no headwall, Ke= 0.900<br>Inlet / Outlet Invert= 161.03' / 160.69' S= 0.0100 '/' Cc= 0.900<br>n= 0.013, Flow Area= 0.35 sf |

**Primary OutFlow** Max=0.66 cfs @ 11.96 hrs HW=161.61' (Free Discharge)
**1=Culvert** (Inlet Controls 0.66 cfs @ 2.05 fps)

## Pond YD-3: PROPOSED YARD DRAIN #3



## Summary for Pond YD-4: PROPOSED YARD DRAIN #4

[79] Warning: Submerged Pond YD-3 Primary device # 1 INLET by 0.57'

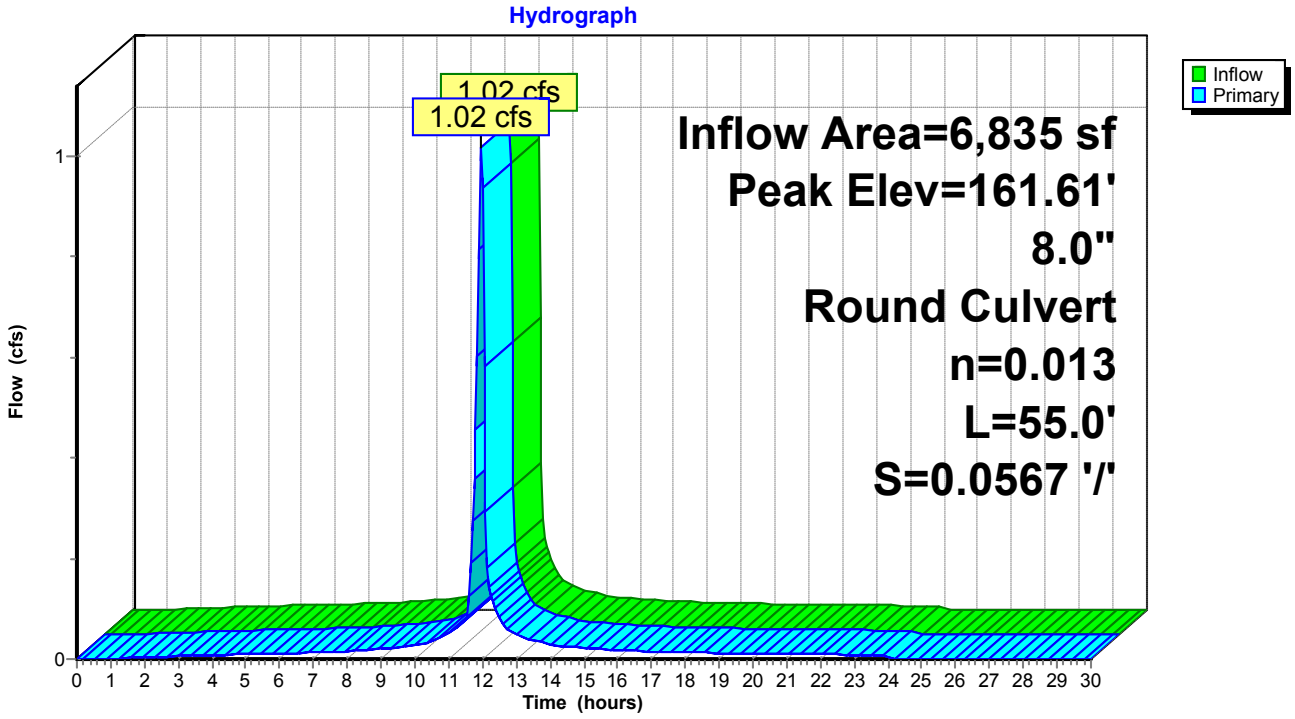
Inflow Area = 6,835 sf,100.00% Impervious, Inflow Depth = 4.44" for 10-YEAR event
Inflow = 1.02 cfs @ 11.96 hrs, Volume= 2,531 cf
Outflow = 1.02 cfs @ 11.96 hrs, Volume= 2,531 cf, Atten= 0%, Lag= 0.0 min
Primary = 1.02 cfs @ 11.96 hrs, Volume= 2,531 cf

Routing by Stor-Ind method, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Peak Elev= 161.61' @ 11.96 hrs
Flood Elev= 164.10'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 160.69' | **8.0" Round Culvert**<br>L= 55.0' CPP, projecting, no headwall, Ke= 0.900<br>Inlet / Outlet Invert= 160.69' / 157.57' S= 0.0567 '/' Cc= 0.900<br>n= 0.013, Flow Area= 0.35 sf |

**Primary OutFlow** Max=0.99 cfs @ 11.96 hrs HW=161.58' (Free Discharge)
└**1=Culvert** (Inlet Controls 0.99 cfs @ 2.84 fps)

## Pond YD-4: PROPOSED YARD DRAIN #4



## Summary for Pond YD-5: PROPOSED YARD DRAIN #5

[79] Warning: Submerged Pond YD-4 Primary device # 1 OUTLET by 1.01'

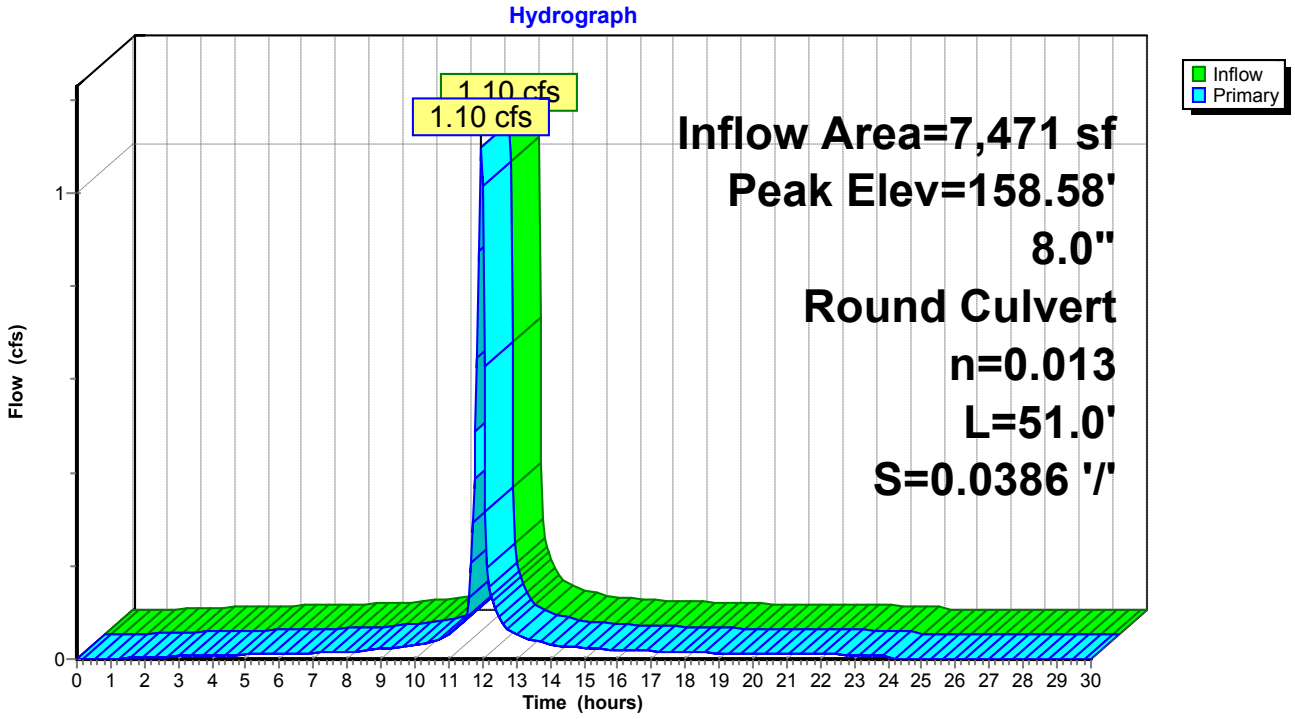
Inflow Area = 7,471 sf, 95.34% Impervious, Inflow Depth = 4.35" for 10-YEAR event
Inflow = 1.10 cfs @ 11.96 hrs, Volume= 2,709 cf
Outflow = 1.10 cfs @ 11.96 hrs, Volume= 2,709 cf, Atten= 0%, Lag= 0.0 min
Primary = 1.10 cfs @ 11.96 hrs, Volume= 2,709 cf

Routing by Stor-Ind method, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Peak Elev= 158.58' @ 11.96 hrs
Flood Elev= 160.20'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 157.57' | **8.0" Round Culvert**<br>L= 51.0' CPP, projecting, no headwall, Ke= 0.900<br>Inlet / Outlet Invert= 157.57' / 155.60' S= 0.0386 '/' Cc= 0.900<br>n= 0.013, Flow Area= 0.35 sf |

**Primary OutFlow** Max=1.07 cfs @ 11.96 hrs HW=158.55' (Free Discharge)
└**1=Culvert** (Inlet Controls 1.07 cfs @ 3.07 fps)

## Pond YD-5: PROPOSED YARD DRAIN #5



Time span=0.00-30.00 hrs, dt=0.05 hrs, 601 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

**Subcatchment DA-1: DA-1** Runoff Area=14,517 sf 93.28% Impervious Runoff Depth=7.87"
Tc=6.0 min CN=97 Runoff=3.80 cfs 9,521 cf

**Subcatchment DA-10: DA-10** Runoff Area=636 sf 45.28% Impervious Runoff Depth=6.79"
Tc=6.0 min CN=88 Runoff=0.16 cfs 360 cf

**Subcatchment DA-11: DA-11** Runoff Area=4,403 sf 100.00% Impervious Runoff Depth=7.99"
Tc=6.0 min CN=98 Runoff=1.16 cfs 2,932 cf

**Subcatchment DA-12: DA-12** Runoff Area=1,857 sf 61.82% Impervious Runoff Depth=7.15"
Tc=6.0 min CN=91 Runoff=0.47 cfs 1,107 cf

**Subcatchment DA-2: DA-2** Runoff Area=8,246 sf 85.68% Impervious Runoff Depth=7.63"
Tc=6.0 min CN=95 Runoff=2.14 cfs 5,243 cf

**Subcatchment DA-4: DA-4** Runoff Area=11,628 sf 48.64% Impervious Runoff Depth=6.91"
Tc=6.0 min CN=89 Runoff=2.89 cfs 6,698 cf

**Subcatchment DA-5: DA-5** Runoff Area=1,340 sf 100.00% Impervious Runoff Depth=7.99"
Tc=6.0 min CN=98 Runoff=0.35 cfs 892 cf

**Subcatchment DA-6: DA-6** Runoff Area=1,598 sf 100.00% Impervious Runoff Depth=7.99"
Tc=6.0 min CN=98 Runoff=0.42 cfs 1,064 cf

**Subcatchment DA-7: DA-7** Runoff Area=1,598 sf 100.00% Impervious Runoff Depth=7.99"
Tc=6.0 min CN=98 Runoff=0.42 cfs 1,064 cf

**Subcatchment DA-8: DA-8** Runoff Area=2,299 sf 100.00% Impervious Runoff Depth=7.99"
Tc=6.0 min CN=98 Runoff=0.60 cfs 1,531 cf

**Subcatchment DA-9: DA-9** Runoff Area=7,407 sf 97.52% Impervious Runoff Depth=7.99"
Tc=6.0 min CN=98 Runoff=1.94 cfs 4,932 cf

**Reach DP-1: DP-1** Inflow=13.58 cfs 34,531 cf
Outflow=13.58 cfs 34,531 cf

**Pond 1P: Underground Infiltration** Peak Elev=161.54' Storage=1,450 cf Inflow=7.10 cfs 17,696 cf
Discarded=0.01 cfs 530 cf Primary=6.53 cfs 16,883 cf Outflow=6.54 cfs 17,413 cf

**Pond CB-3: PROPOSED CATCH BASIN #3** Peak Elev=169.47' Inflow=9.31 cfs 23,581 cf
12.0" Round Culvert n=0.013 L=38.0' S=0.0400 '/' Outflow=9.31 cfs 23,581 cf

**Pond CB-4: PROPOSED CATCH BASIN #4** Peak Elev=161.49' Inflow=9.31 cfs 23,581 cf
Outflow=9.31 cfs 23,581 cf

**Pond CB-5: PROPOSED CATCH BASIN #5** Peak Elev=0.00'
12.0" Round Culvert n=0.013 L=108.0' S=0.0105 '/' Primary=0.00 cfs 0 cf

**Pond CB-6: PROPOSED CATCH BASIN #6** Peak Elev=161.77' Inflow=11.20 cfs 28,513 cf
Outflow=11.20 cfs 28,513 cf

**Pond EX-CB: EXISTING CATCH BASIN** Peak Elev=158.67' Inflow=13.58 cfs 34,531 cf
Outflow=13.58 cfs 34,531 cf

**Pond YD-1: PROPOSED YARD DRAIN #1** Peak Elev=161.99' Inflow=0.35 cfs 892 cf
8.0" Round Culvert n=0.013 L=24.0' S=0.0100 '/' Outflow=0.35 cfs 892 cf

**Pond YD-2: PROPOSED YARD DRAIN #2** Peak Elev=162.03' Inflow=0.77 cfs 1,956 cf
8.0" Round Culvert n=0.013 L=33.0' S=0.0100 '/' Outflow=0.77 cfs 1,956 cf

**Pond YD-3: PROPOSED YARD DRAIN #3** Peak Elev=162.17' Inflow=1.19 cfs 3,020 cf
8.0" Round Culvert n=0.013 L=34.0' S=0.0100 '/' Outflow=1.19 cfs 3,020 cf

**Pond YD-4: PROPOSED YARD DRAIN #4** Peak Elev=162.85' Inflow=1.79 cfs 4,551 cf
8.0" Round Culvert n=0.013 L=55.0' S=0.0567 '/' Outflow=1.79 cfs 4,551 cf

**Pond YD-5: PROPOSED YARD DRAIN #5** Peak Elev=160.06' Inflow=1.95 cfs 4,911 cf
8.0" Round Culvert n=0.013 L=51.0' S=0.0386 '/' Outflow=1.95 cfs 4,911 cf

**Total Runoff Area = 55,529 sf Runoff Volume = 35,344 cf Average Runoff Depth = 7.64"**
**16.87% Pervious = 9,369 sf 83.13% Impervious = 46,160 sf**

## Summary for Subcatchment DA-1: DA-1

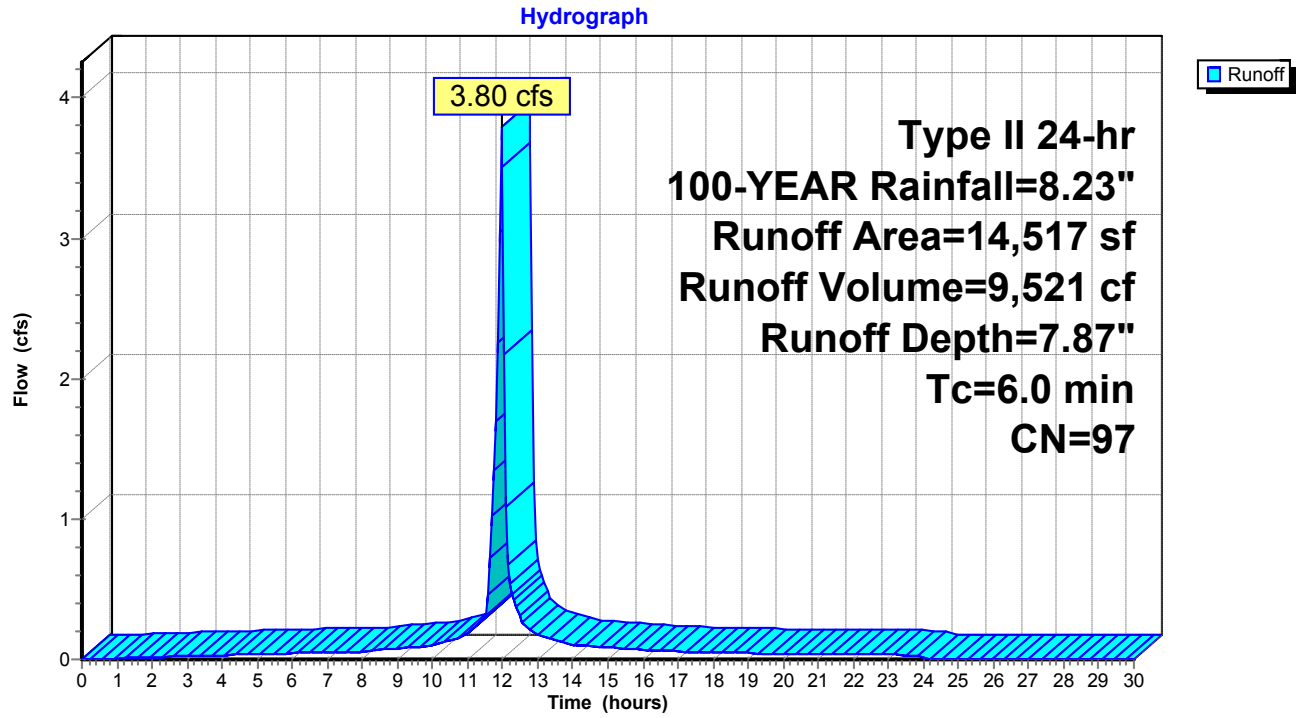
Runoff = 3.80 cfs @ 11.96 hrs, Volume= 9,521 cf, Depth= 7.87"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YEAR Rainfall=8.23"

| Area (sf) | CN | Description |
|---|---|---|
| 975 | 80 | >75% Grass cover, Good, HSG D |
| 13,542 | 98 | Paved parking, HSG D |
| 14,517 | 97 | Weighted Average |
| 975 | | 6.72% Pervious Area |
| 13,542 | | 93.28% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 6.0 | | | | | **Direct Entry,** |

### Subcatchment DA-1: DA-1



## Summary for Subcatchment DA-10: DA-10

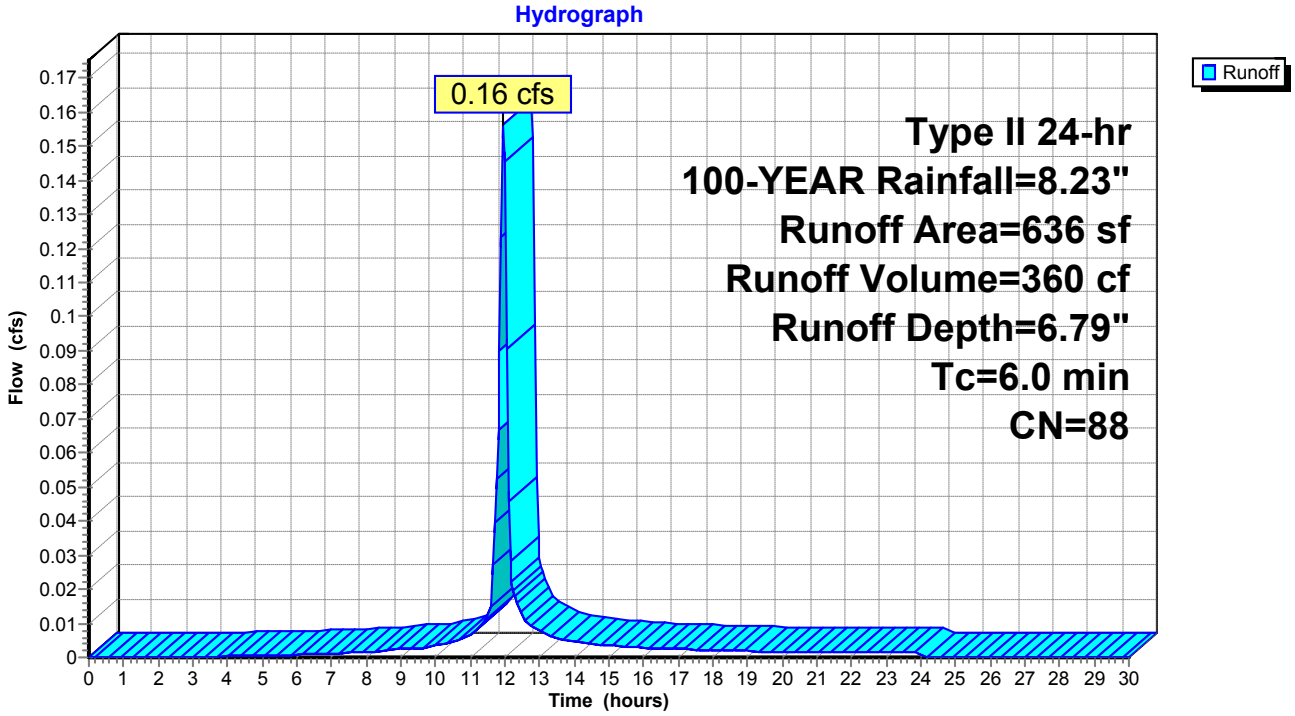
Runoff = 0.16 cfs @ 11.96 hrs, Volume= 360 cf, Depth= 6.79"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YEAR Rainfall=8.23"

| Area (sf) | CN | Description |
|---|---|---|
| 348 | 80 | >75% Grass cover, Good, HSG D |
| 288 | 98 | Paved parking, HSG D |
| 636 | 88 | Weighted Average |
| 348 | | 54.72% Pervious Area |
| 288 | | 45.28% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 6.0 | | | | | **Direct Entry,** |

### Subcatchment DA-10: DA-10



## Summary for Subcatchment DA-11: DA-11

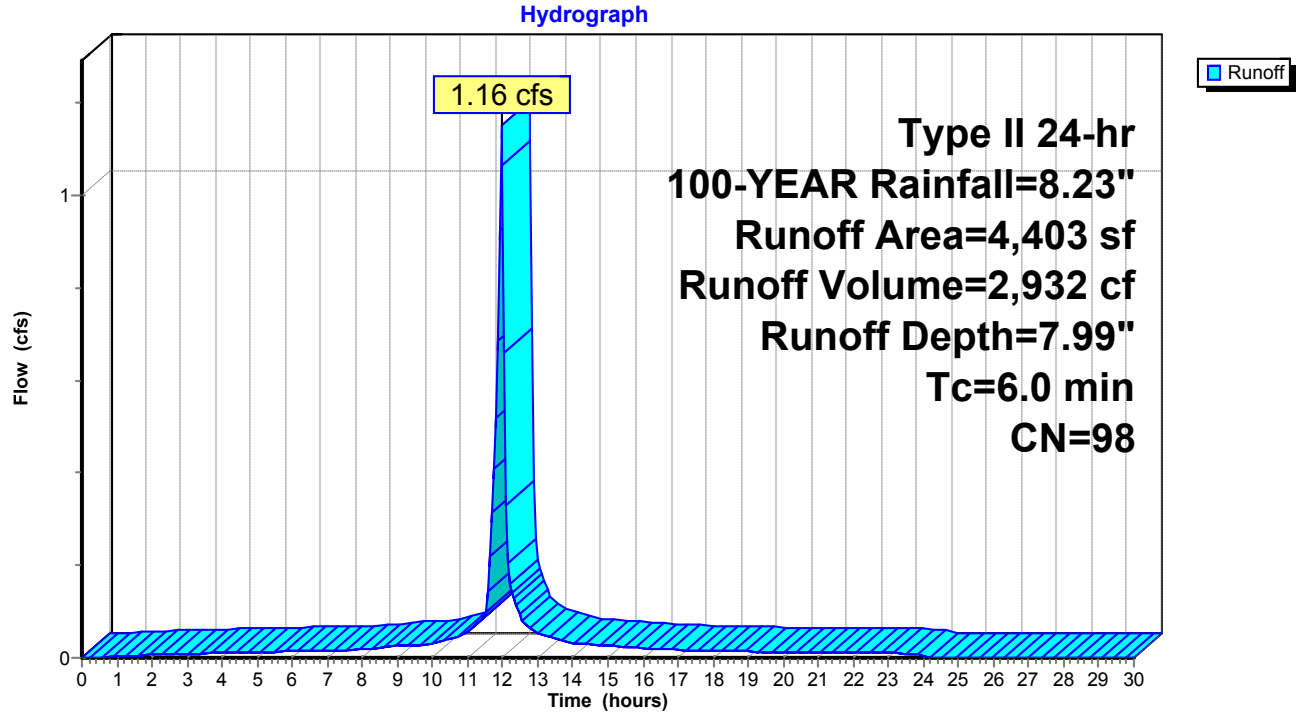
Runoff = 1.16 cfs @ 11.96 hrs, Volume= 2,932 cf, Depth= 7.99"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YEAR Rainfall=8.23"

| Area (sf) | CN | Description |
|---|---|---|
| 4,403 | 98 | Roofs, HSG D |
| 4,403 | | 100.00% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 6.0 | | | | | **Direct Entry,** |

## Subcatchment DA-11: DA-11



## Summary for Subcatchment DA-12: DA-12

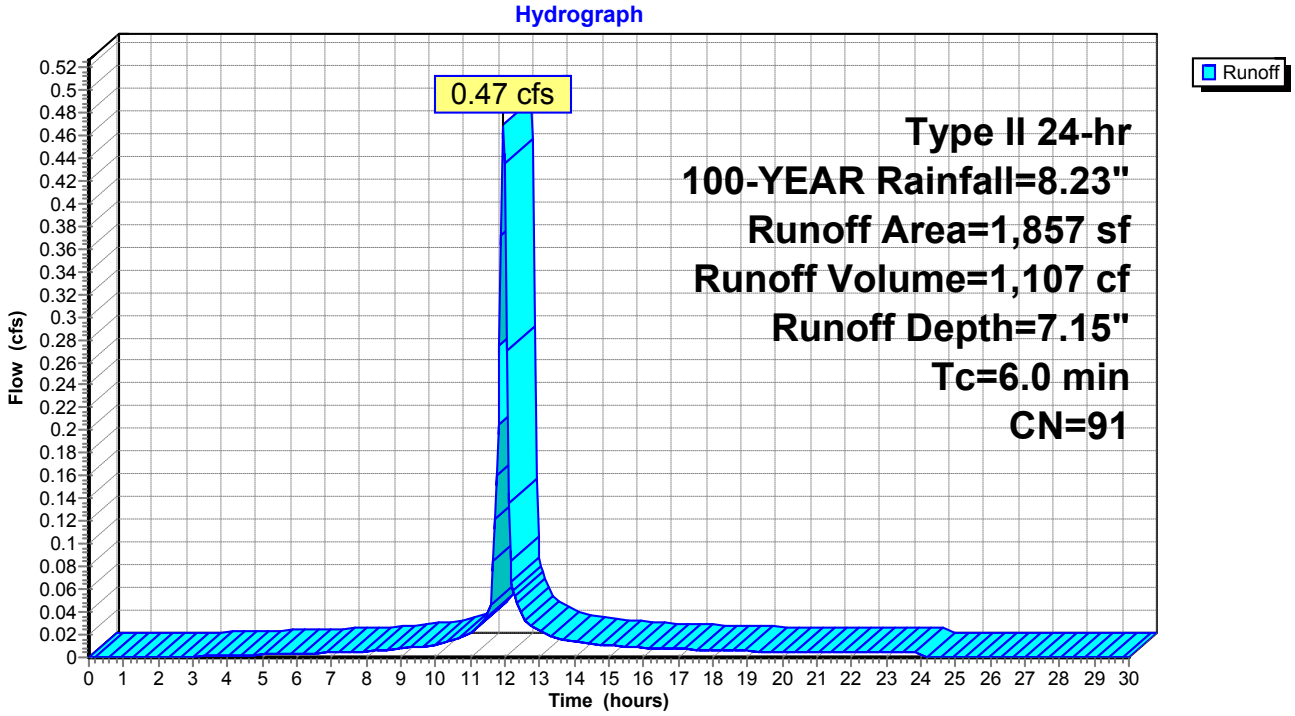
Runoff = 0.47 cfs @ 11.96 hrs, Volume= 1,107 cf, Depth= 7.15"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YEAR Rainfall=8.23"

| Area (sf) | CN | Description |
|---|---|---|
| 709 | 80 | >75% Grass cover, Good, HSG D |
| 1,148 | 98 | Paved parking, HSG D |
| 1,857 | 91 | Weighted Average |
| 709 | | 38.18% Pervious Area |
| 1,148 | | 61.82% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 6.0 | | | | | **Direct Entry,** |

## Subcatchment DA-12: DA-12



## Summary for Subcatchment DA-2: DA-2

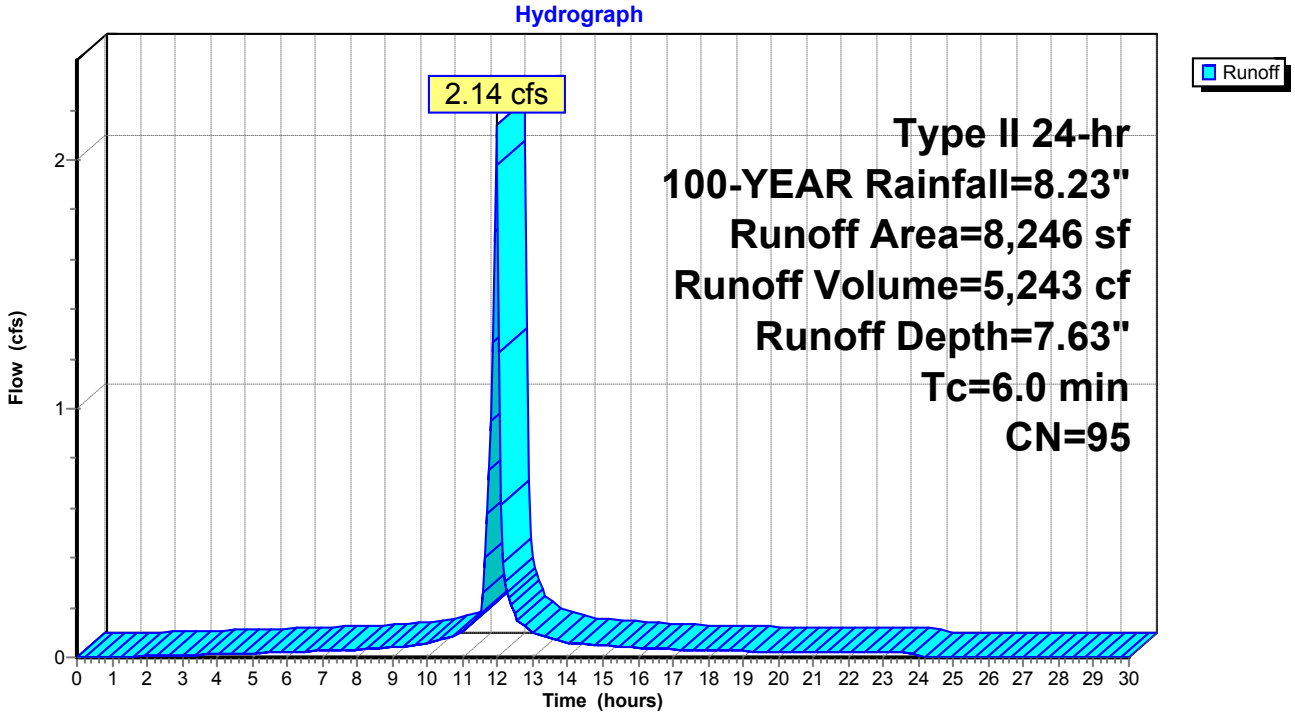
Runoff = 2.14 cfs @ 11.96 hrs, Volume= 5,243 cf, Depth= 7.63"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YEAR Rainfall=8.23"

| Area (sf) | CN | Description |
|---|---|---|
| 1,181 | 80 | >75% Grass cover, Good, HSG D |
| 7,065 | 98 | Paved parking, HSG D |
| 8,246 | 95 | Weighted Average |
| 1,181 | | 14.32% Pervious Area |
| 7,065 | | 85.68% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 6.0 | | | | | **Direct Entry,** |

## Subcatchment DA-2: DA-2



## Summary for Subcatchment DA-4: DA-4

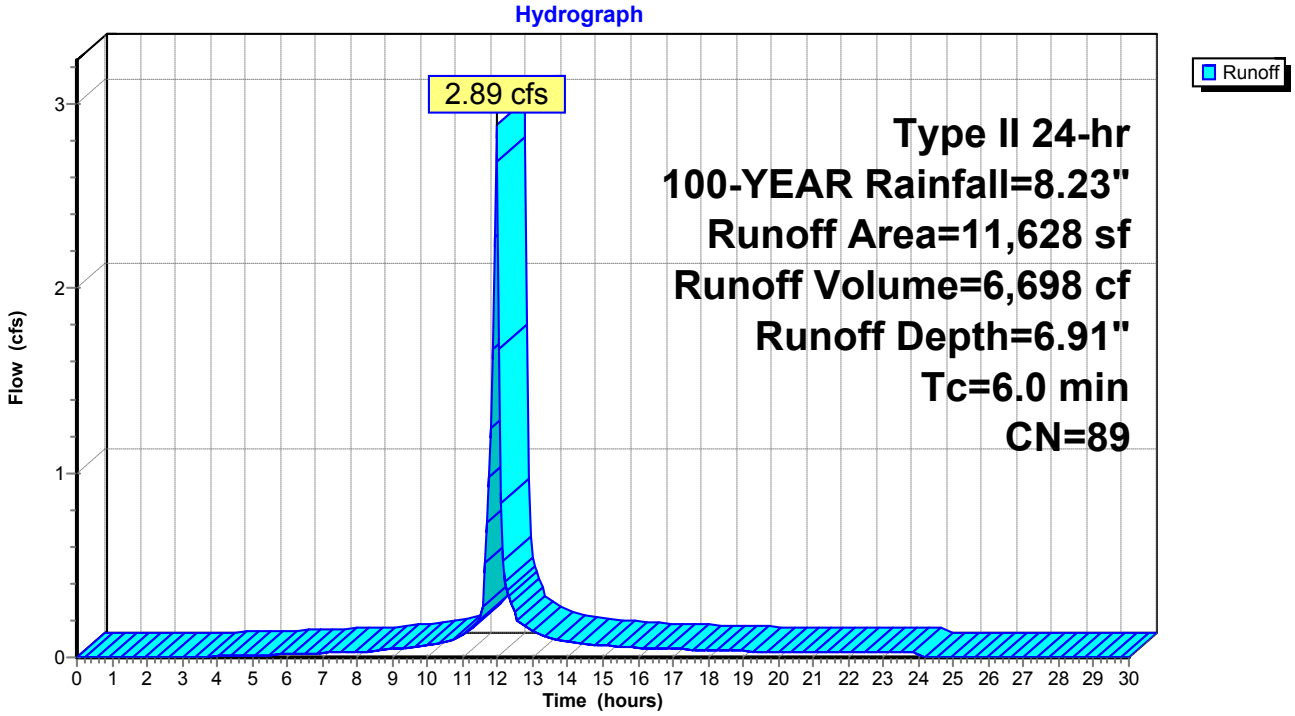
Runoff = 2.89 cfs @ 11.96 hrs, Volume= 6,698 cf, Depth= 6.91"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YEAR Rainfall=8.23"

| Area (sf) | CN | Description |
|---|---|---|
| 5,972 | 80 | >75% Grass cover, Good, HSG D |
| 5,656 | 98 | Paved parking, HSG D |
| 11,628 | 89 | Weighted Average |
| 5,972 | | 51.36% Pervious Area |
| 5,656 | | 48.64% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 6.0 | | | | | **Direct Entry,** |

## Subcatchment DA-4: DA-4



## Summary for Subcatchment DA-5: DA-5

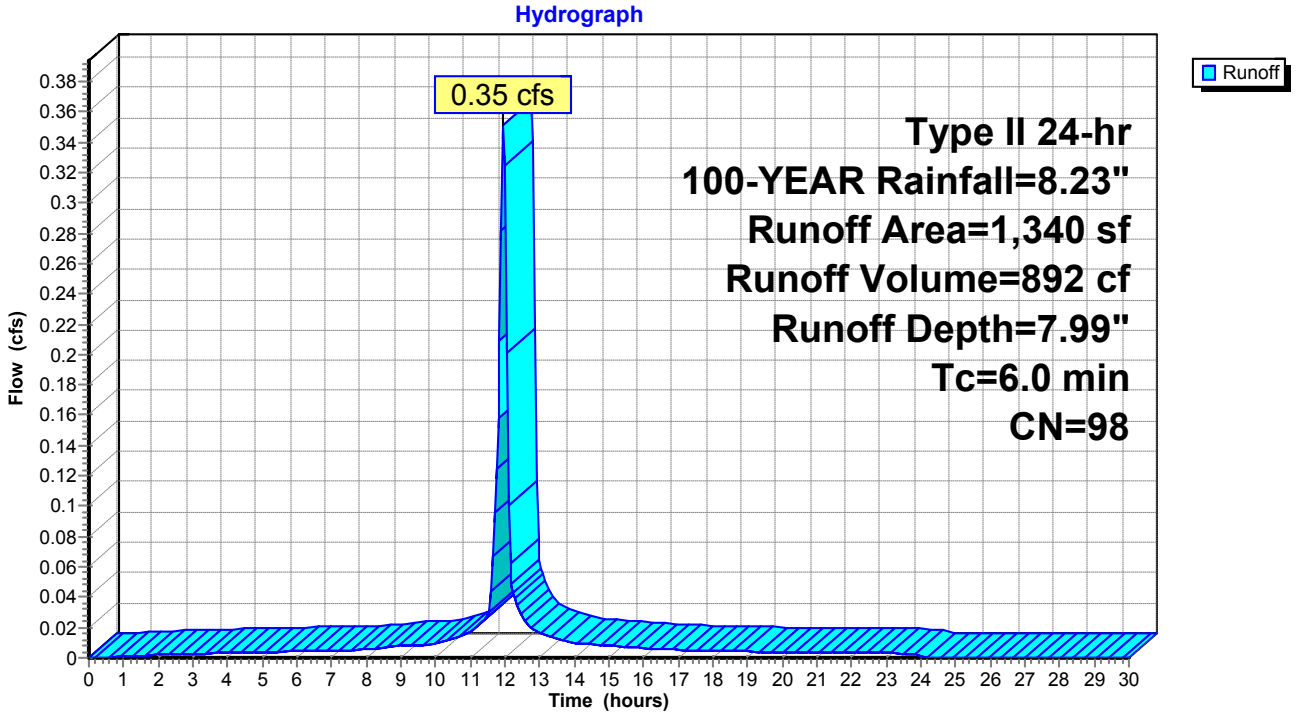
Runoff = 0.35 cfs @ 11.96 hrs, Volume= 892 cf, Depth= 7.99"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YEAR Rainfall=8.23"

| Area (sf) | CN | Description |
|---|---|---|
| 1,340 | 98 | Paved parking, HSG D |
| 1,340 | | 100.00% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 6.0 | | | | | **Direct Entry,** |

## Subcatchment DA-5: DA-5



## Summary for Subcatchment DA-6: DA-6

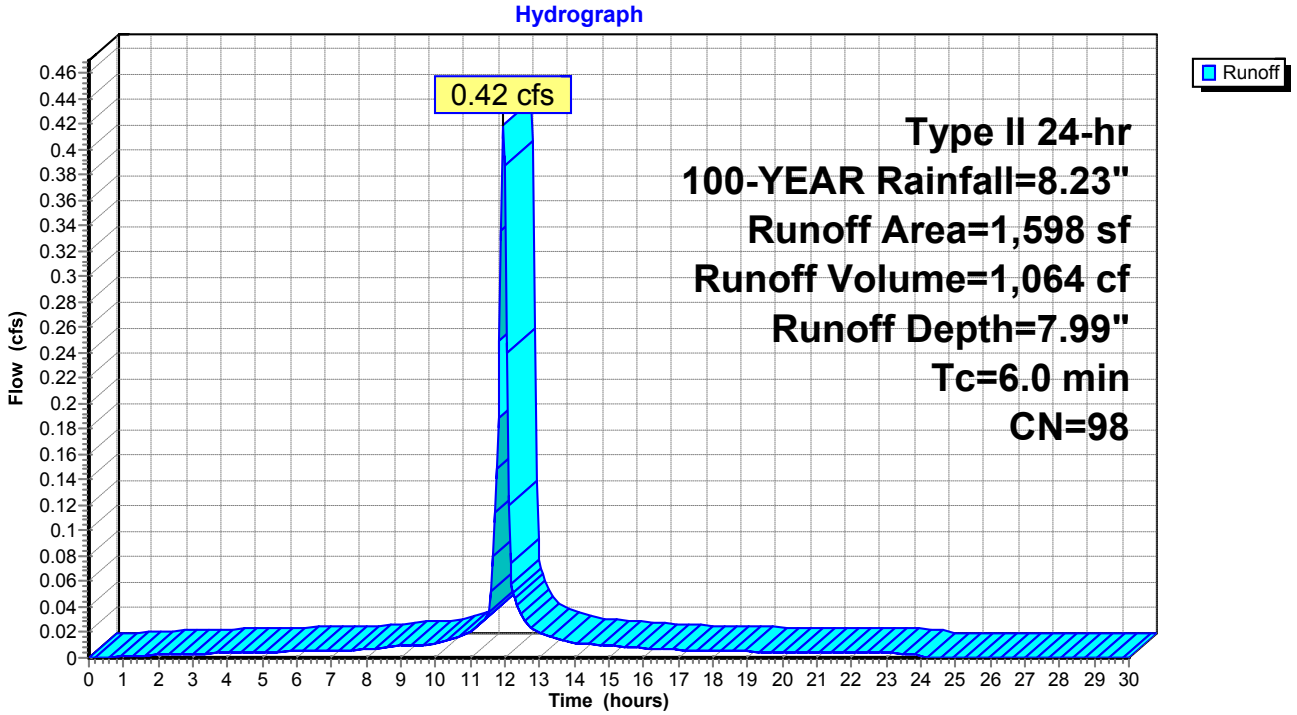
Runoff = 0.42 cfs @ 11.96 hrs, Volume= 1,064 cf, Depth= 7.99"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YEAR Rainfall=8.23"

| Area (sf) | CN | Description |
|---|---|---|
| 1,598 | 98 | Paved parking, HSG D |
| 1,598 | | 100.00% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 6.0 | | | | | **Direct Entry,** |

## Subcatchment DA-6: DA-6



## Summary for Subcatchment DA-7: DA-7

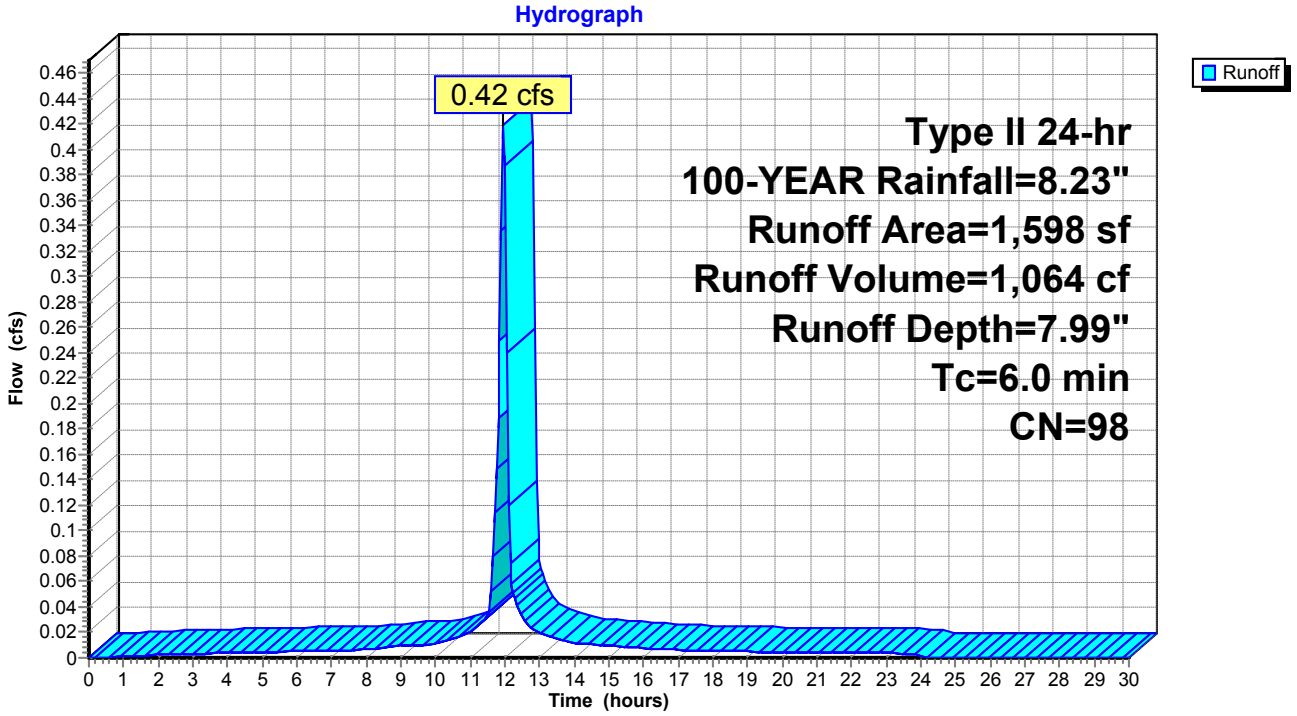
Runoff = 0.42 cfs @ 11.96 hrs, Volume= 1,064 cf, Depth= 7.99"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YEAR Rainfall=8.23"

| Area (sf) | CN | Description |
|---|---|---|
| 1,598 | 98 | Paved parking, HSG D |
| 1,598 | | 100.00% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 6.0 | | | | | **Direct Entry,** |

## Subcatchment DA-7: DA-7



## Summary for Subcatchment DA-8: DA-8

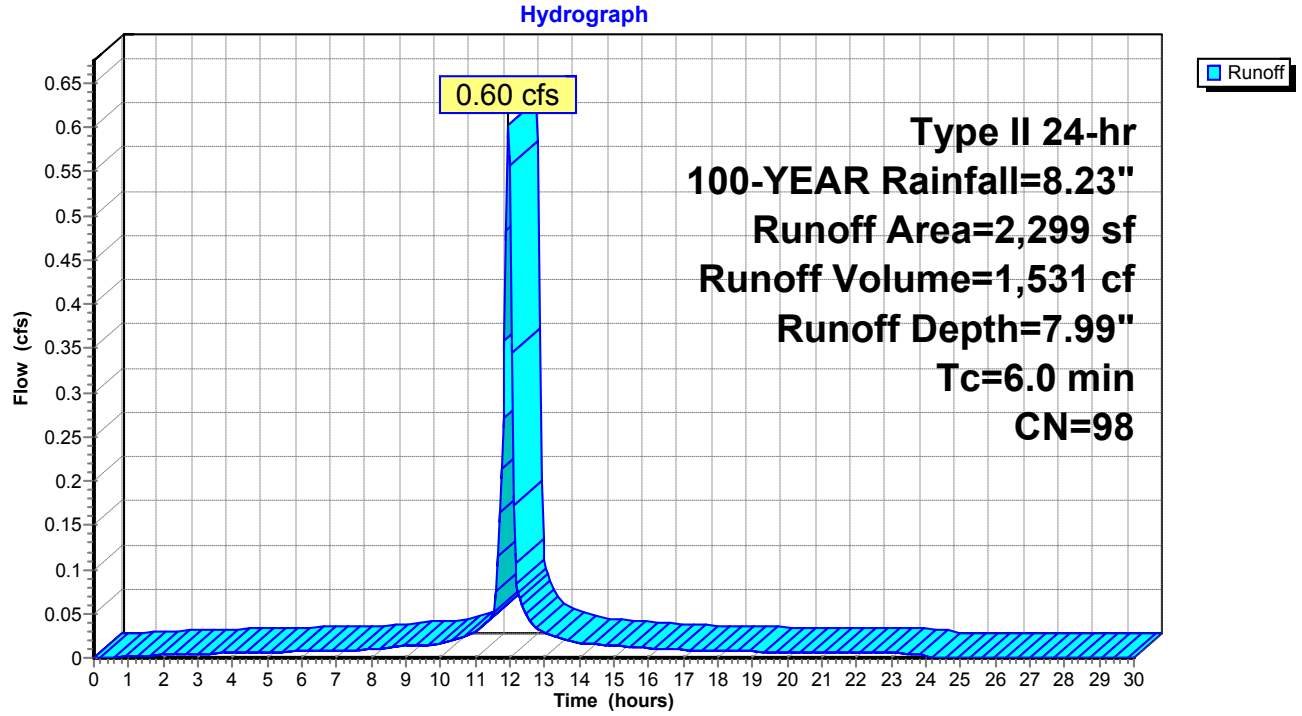
Runoff = 0.60 cfs @ 11.96 hrs, Volume= 1,531 cf, Depth= 7.99"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YEAR Rainfall=8.23"

| Area (sf) | CN | Description |
|---|---|---|
| 2,299 | 98 | Paved parking, HSG D |
| 2,299 | | 100.00% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 6.0 | | | | | **Direct Entry,** |

## Subcatchment DA-8: DA-8



## Summary for Subcatchment DA-9: DA-9

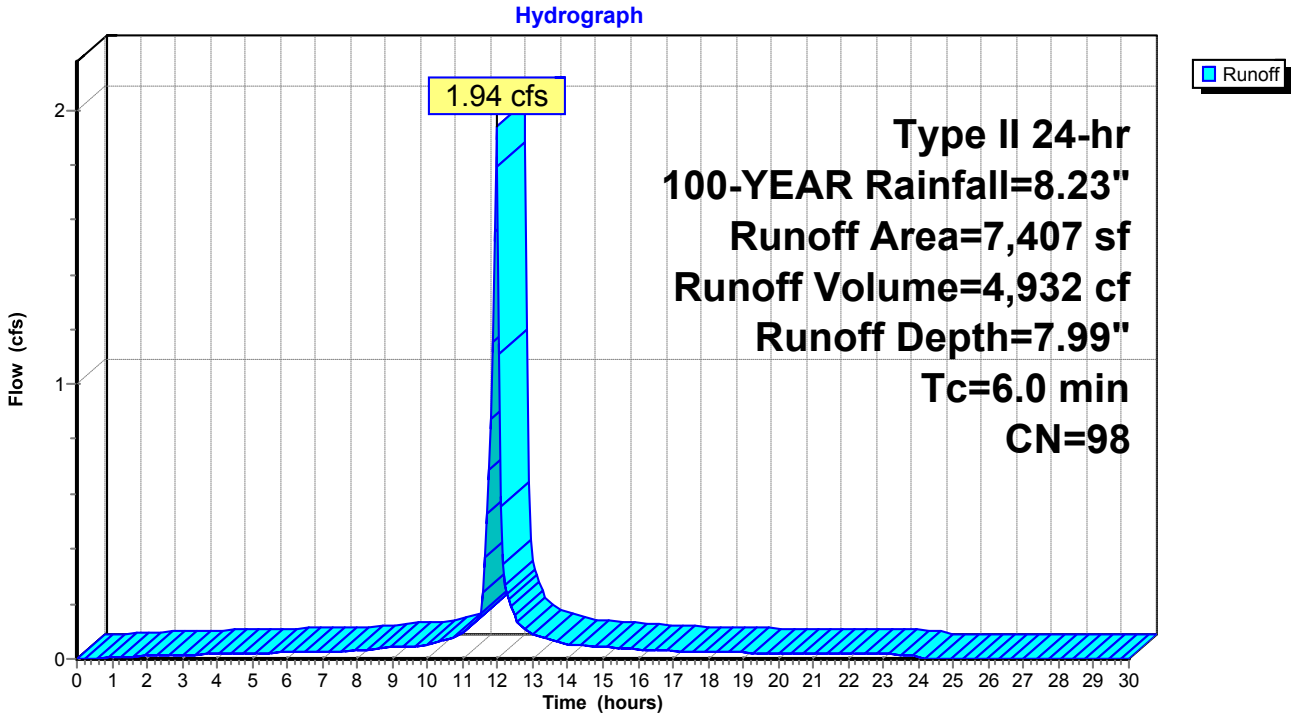
Runoff = 1.94 cfs @ 11.96 hrs, Volume= 4,932 cf, Depth= 7.99"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YEAR Rainfall=8.23"

| Area (sf) | CN | Description |
|---|---|---|
| 184 | 80 | >75% Grass cover, Good, HSG D |
| 363 | 98 | Paved parking, HSG D |
| 6,860 | 98 | Roofs, HSG D |
| 7,407 | 98 | Weighted Average |
| 184 | | 2.48% Pervious Area |
| 7,223 | | 97.52% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 6.0 | | | | | **Direct Entry,** |

### Subcatchment DA-9: DA-9



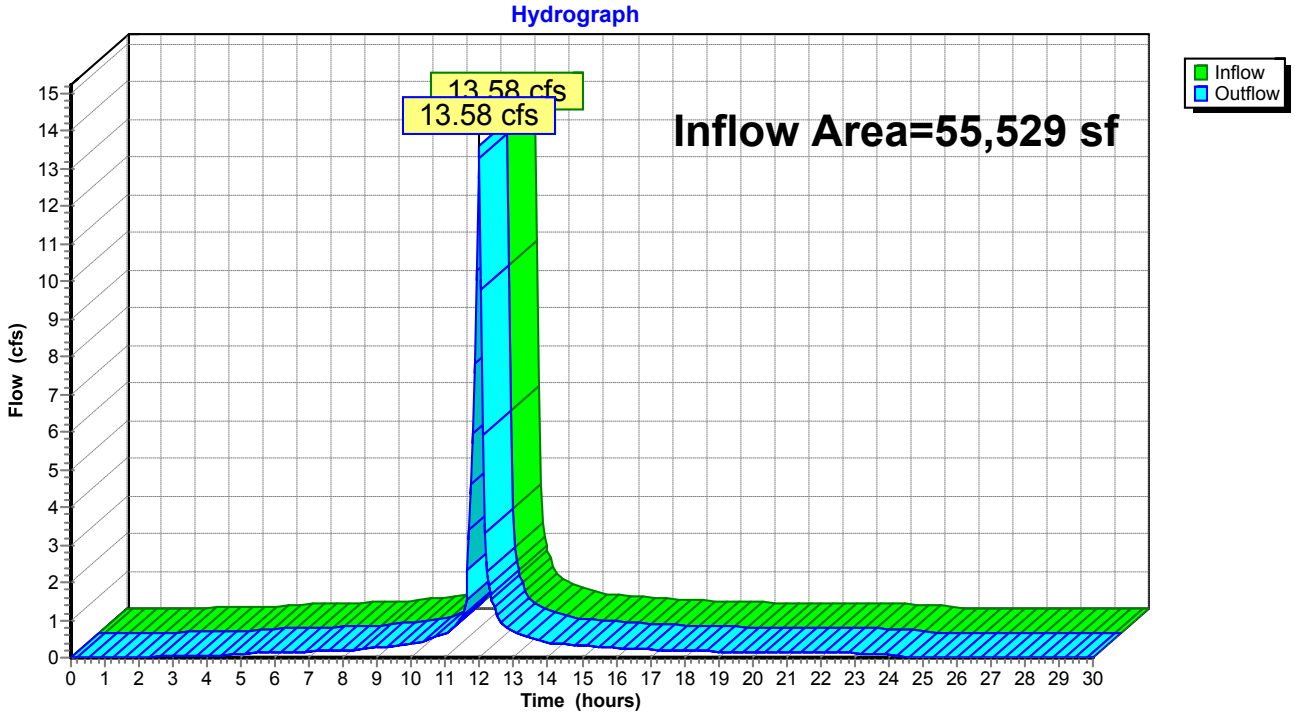
## Summary for Reach DP-1: DP-1

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area = 55,529 sf, 83.13% Impervious, Inflow Depth = 7.46" for 100-YEAR event
Inflow = 13.58 cfs @ 11.98 hrs, Volume= 34,531 cf
Outflow = 13.58 cfs @ 11.98 hrs, Volume= 34,531 cf, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs

### Reach DP-1: DP-1



## Summary for Pond 1P: Underground Infiltration

Inflow Area = 27,166 sf, 92.06% Impervious, Inflow Depth = 7.82" for 100-YEAR event
Inflow = 7.10 cfs @ 11.96 hrs, Volume= 17,696 cf
Outflow = 6.54 cfs @ 12.00 hrs, Volume= 17,413 cf, Atten= 8%, Lag= 2.1 min
Discarded = 0.01 cfs @ 1.40 hrs, Volume= 530 cf
Primary = 6.53 cfs @ 12.00 hrs, Volume= 16,883 cf

Routing by Stor-Ind method, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Peak Elev= 161.54' @ 12.00 hrs Surf.Area= 666 sf Storage= 1,450 cf

Plug-Flow detention time= 34.4 min calculated for 17,413 cf (98% of inflow)
Center-of-Mass det. time= 23.7 min ( 768.2 - 744.5 )

| Volume | Invert | Avail.Storage | Storage Description |
|---|---|---|---|
| #1A | 157.75' | 772 cf | **11.00'W x 60.58'L x 4.00'H Field A**<br>2,665 cf Overall - 735 cf Embedded = 1,930 cf x 40.0% Voids |
| #2A | 158.75' | 735 cf | **ADS_StormTech SC-740 +Cap** x 16 Inside #1<br>Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf<br>Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap<br>2 Rows of 8 Chambers |
| | | 1,507 cf | Total Available Storage |

Storage Group A created with Chamber Wizard

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 158.95' | **15.0" Round Culvert**<br>L= 15.0' CPP, projecting, no headwall, Ke= 0.900<br>Inlet / Outlet Invert= 158.95' / 158.75' S= 0.0133 '/' Cc= 0.900<br>n= 0.013, Flow Area= 1.23 sf |
| #2 | Discarded | 157.75' | **0.330 in/hr Exfiltration over Surface area** |

**Discarded OutFlow** Max=0.01 cfs @ 1.40 hrs HW=157.79' (Free Discharge)
↑**2=Exfiltration** (Exfiltration Controls 0.01 cfs)

**Primary OutFlow** Max=6.50 cfs @ 12.00 hrs HW=161.51' (Free Discharge)
↑**1=Culvert** (Inlet Controls 6.50 cfs @ 5.29 fps)

## Pond 1P: Underground Infiltration - Chamber Wizard Field A

**Chamber Model = ADS_StormTech SC-740 +Cap (ADS StormTech® SC-740 with cap length)**
Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf
Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap

51.0" Wide + 6.0" Spacing = 57.0" C-C Row Spacing

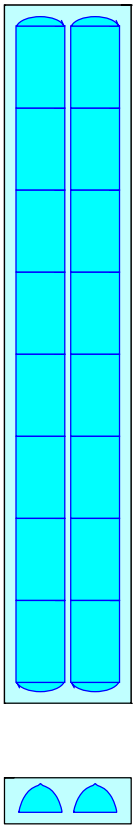
8 Chambers/Row x 7.12' Long +0.81' Cap Length x 2 = 58.58' Row Length +12.0" End Stone x 2 = 60.58' Base Length
2 Rows x 51.0" Wide + 6.0" Spacing x 1 + 12.0" Side Stone x 2 = 11.00' Base Width
12.0" Base + 30.0" Chamber Height + 6.0" Cover = 4.00' Field Height

16 Chambers x 45.9 cf = 735.0 cf Chamber Storage

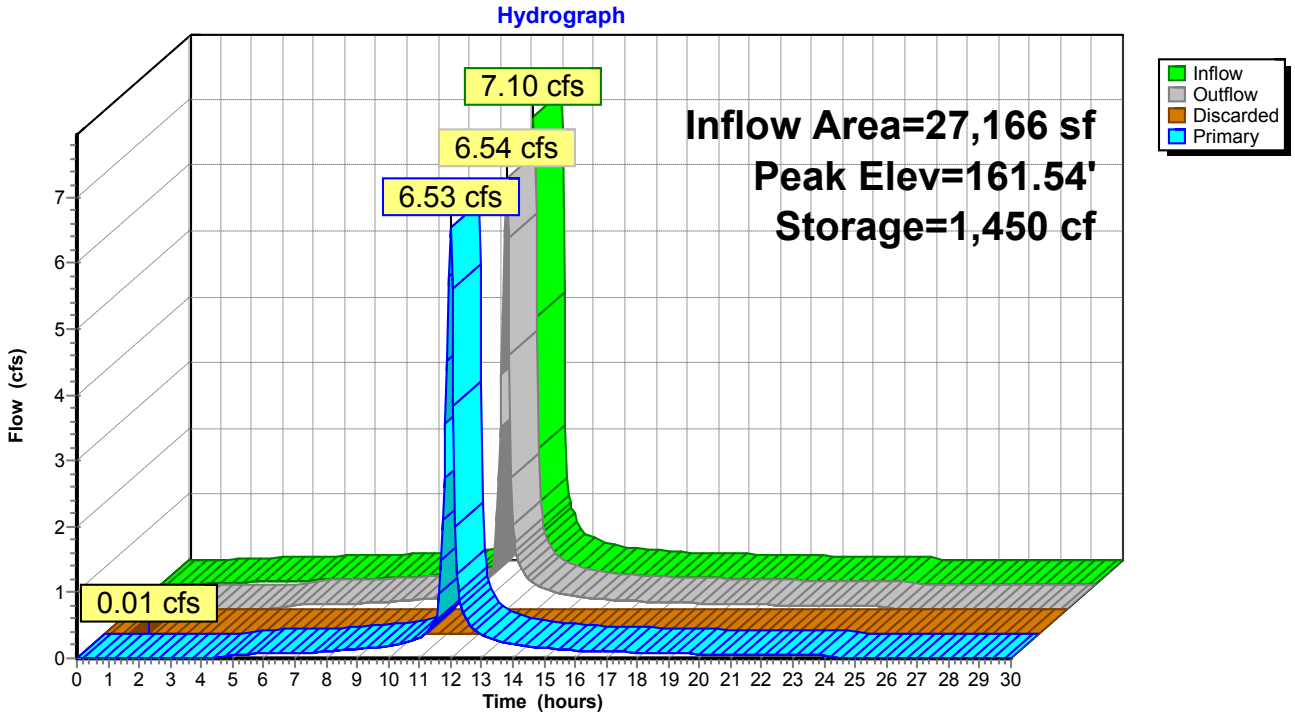
2,665.4 cf Field - 735.0 cf Chambers = 1,930.3 cf Stone x 40.0% Voids = 772.1 cf Stone Storage

Chamber Storage + Stone Storage = 1,507.2 cf = 0.035 af
Overall Storage Efficiency = 56.5%
Overall System Size = 60.58' x 11.00' x 4.00'

16 Chambers
98.7 cy Field
71.5 cy Stone



## Pond 1P: Underground Infiltration



## Summary for Pond CB-3: PROPOSED CATCH BASIN #3

[81] Warning: Exceeded Pond 1P by 7.78' @ 12.00 hrs

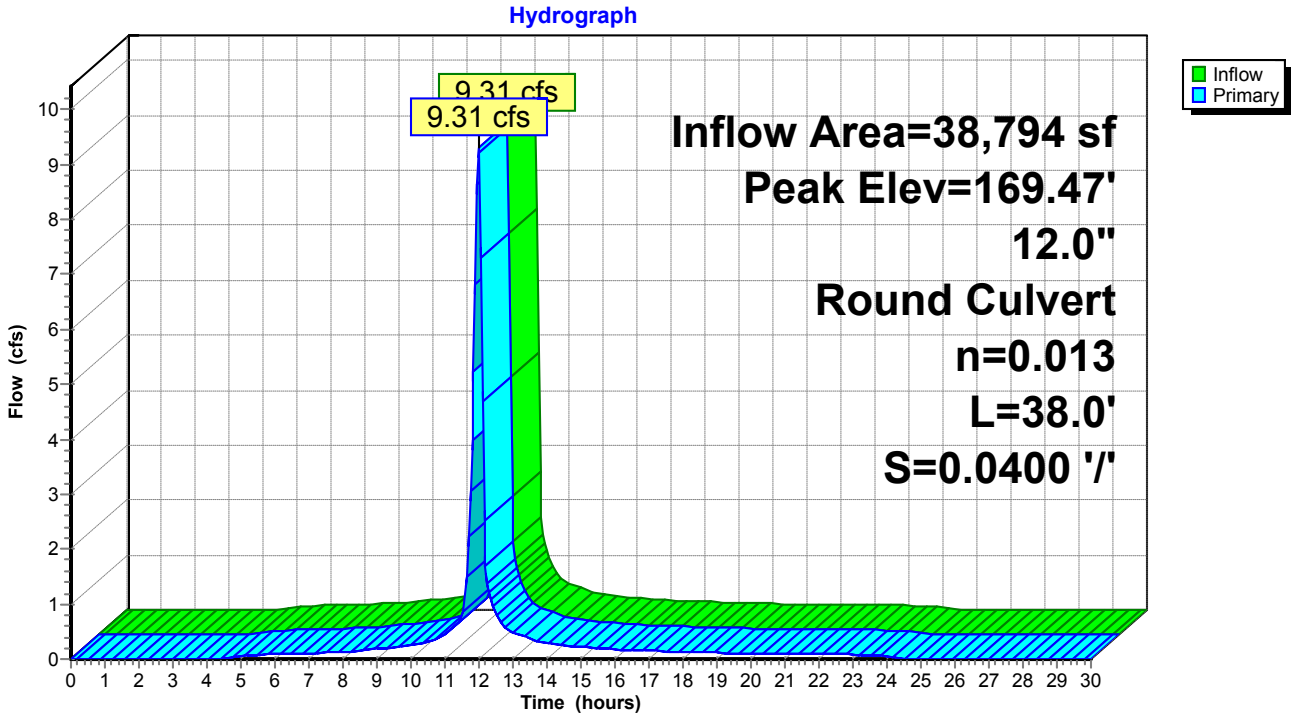
Inflow Area = 38,794 sf, 79.05% Impervious, Inflow Depth = 7.29" for 100-YEAR event
Inflow = 9.31 cfs @ 11.99 hrs, Volume= 23,581 cf
Outflow = 9.31 cfs @ 11.99 hrs, Volume= 23,581 cf, Atten= 0%, Lag= 0.0 min
Primary = 9.31 cfs @ 11.99 hrs, Volume= 23,581 cf

Routing by Stor-Ind method, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Peak Elev= 169.47' @ 11.99 hrs
Flood Elev= 173.90'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 159.29' | **12.0" Round Culvert**<br>L= 38.0' CPP, projecting, no headwall, Ke= 0.900<br>Inlet / Outlet Invert= 159.29' / 157.77' S= 0.0400 '/' Cc= 0.900<br>n= 0.013, Flow Area= 0.79 sf |

**Primary OutFlow** Max=9.06 cfs @ 11.99 hrs HW=169.00' (Free Discharge)
**1=Culvert** (Inlet Controls 9.06 cfs @ 11.54 fps)

## Pond CB-3: PROPOSED CATCH BASIN #3



## Summary for Pond CB-4: PROPOSED CATCH BASIN #4

[58] Hint: Peaked 0.49' above defined flood level
[79] Warning: Submerged Pond CB-3 Primary device # 1 INLET by 2.19'
[79] Warning: Submerged Pond CB-5 Primary device # 1 INLET by 2.58'

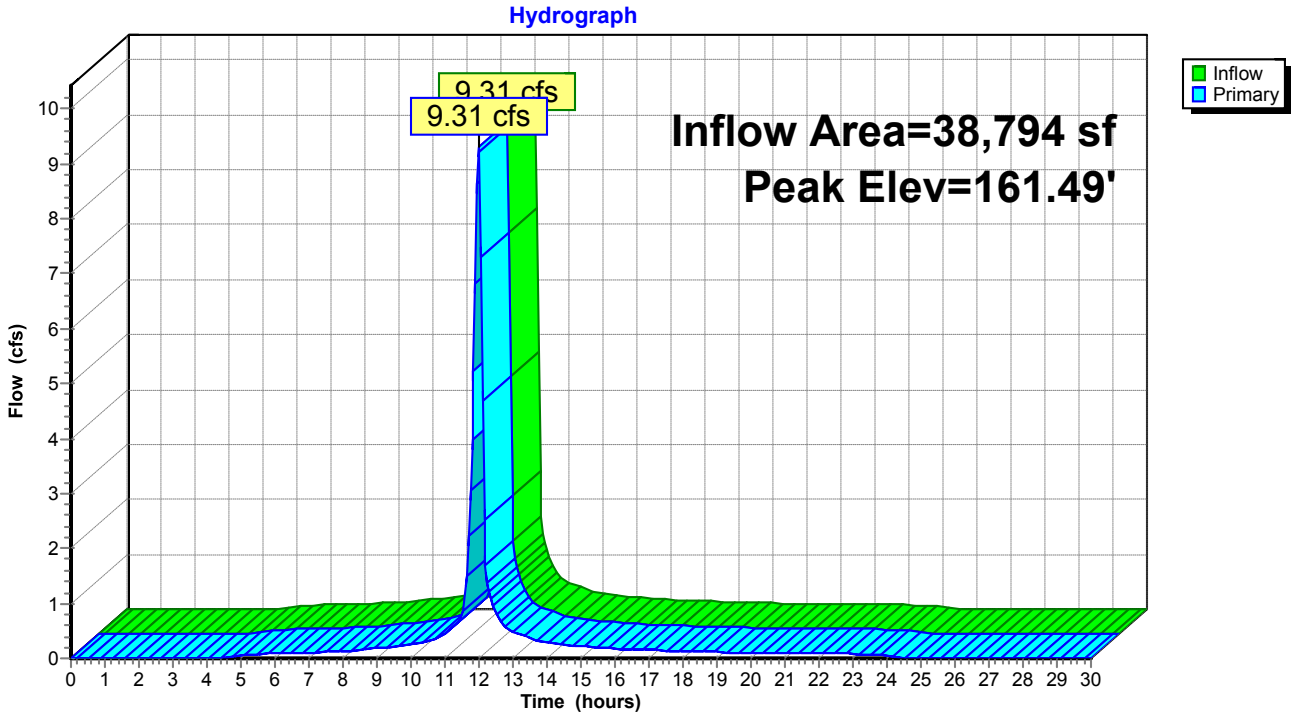
Inflow Area = 38,794 sf, 79.05% Impervious, Inflow Depth = 7.29" for 100-YEAR event
Inflow = 9.31 cfs @ 11.99 hrs, Volume= 23,581 cf
Outflow = 9.31 cfs @ 11.99 hrs, Volume= 23,581 cf, Atten= 0%, Lag= 0.0 min
Primary = 9.31 cfs @ 11.99 hrs, Volume= 23,581 cf

Routing by Stor-Ind method, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Peak Elev= 161.49' @ 11.99 hrs
Flood Elev= 161.00'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 157.77' | **12.0" Round Culvert**<br>L= 30.0' CPP, projecting, no headwall, Ke= 0.900<br>Inlet / Outlet Invert= 157.77' / 157.47' S= 0.0100 '/' Cc= 0.900<br>n= 0.013, Flow Area= 0.79 sf |
| #2 | Primary | 160.87' | **3.0' long x 3.0' breadth Broad-Crested Rectangular Weir**<br>Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50<br>Coef. (English) 2.44 2.58 2.68 2.67 2.65 2.64 2.64 2.68 2.68 2.72 2.81 2.92 2.97 3.07 3.32 |

**Primary OutFlow** Max=9.06 cfs @ 11.99 hrs HW=161.47' (Free Discharge)
**1=Culvert** (Inlet Controls 5.34 cfs @ 6.80 fps)
**2=Broad-Crested Rectangular Weir** (Weir Controls 3.72 cfs @ 2.07 fps)

## Pond CB-4: PROPOSED CATCH BASIN #4



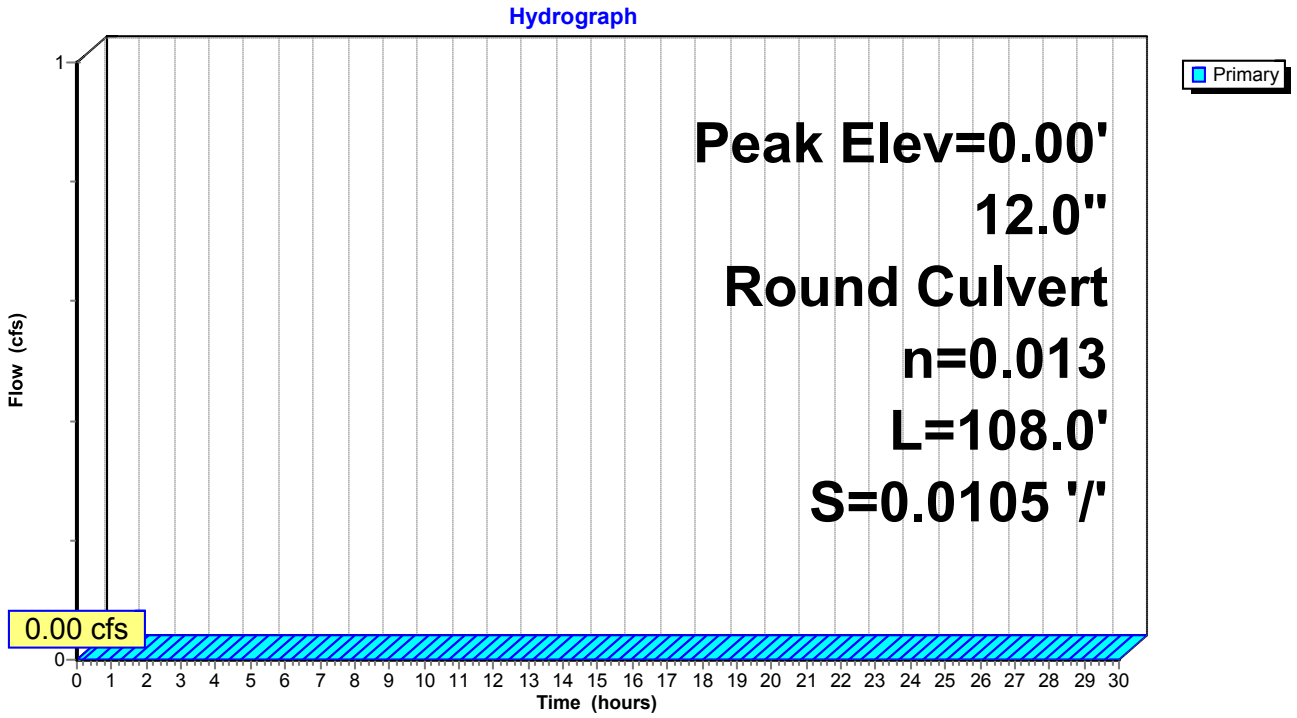
## Summary for Pond CB-5: PROPOSED CATCH BASIN #5

[43] Hint: Has no inflow (Outflow=Zero)

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 158.90' | **12.0" Round Culvert**<br>L= 108.0' CPP, projecting, no headwall, Ke= 0.900<br>Inlet / Outlet Invert= 158.90' / 157.77' S= 0.0105 '/' Cc= 0.900<br>n= 0.013, Flow Area= 0.79 sf |

**Primary OutFlow** Max=0.00 cfs @ 0.00 hrs HW=0.00' (Free Discharge)
**1=Culvert** ( Controls 0.00 cfs)

## Pond CB-5: PROPOSED CATCH BASIN #5



## Summary for Pond CB-6: PROPOSED CATCH BASIN #6

[58] Hint: Peaked 0.77' above defined flood level
[81] Warning: Exceeded Pond CB-4 by 0.57' @ 11.80 hrs

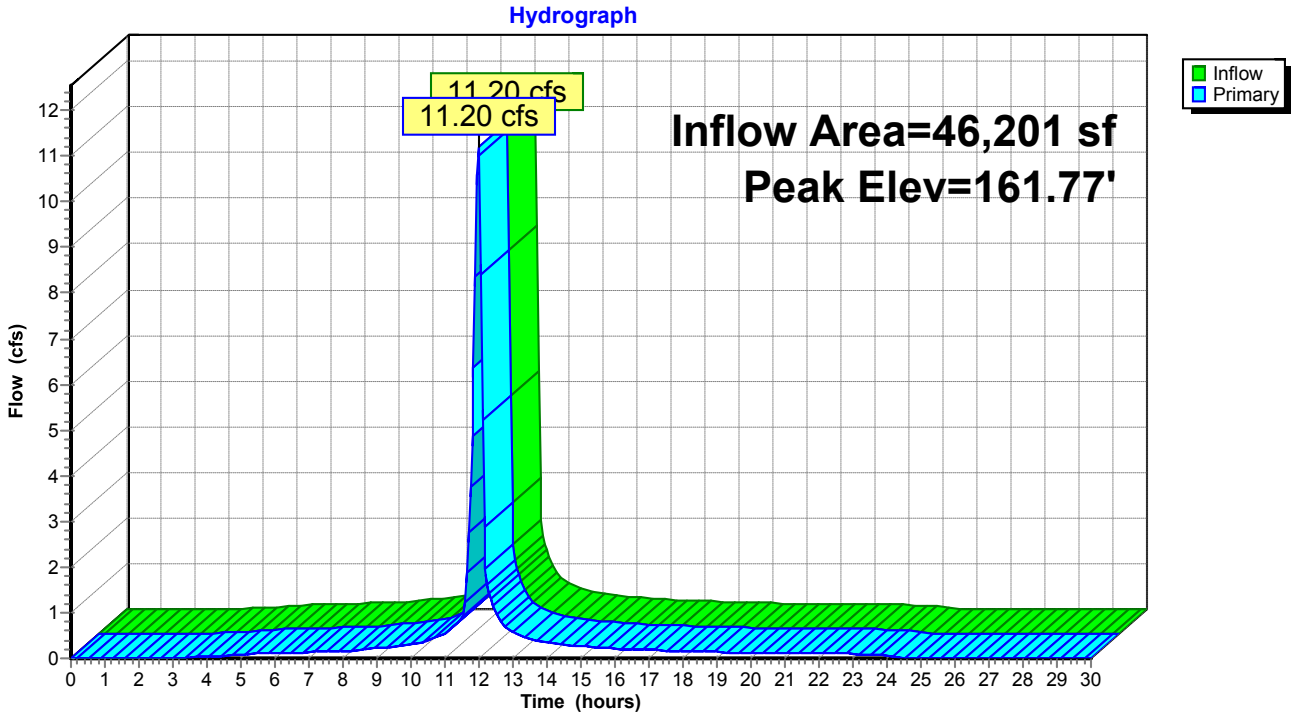
Inflow Area = 46,201 sf, 82.01% Impervious, Inflow Depth = 7.41" for 100-YEAR event
Inflow = 11.20 cfs @ 11.98 hrs, Volume= 28,513 cf
Outflow = 11.20 cfs @ 11.98 hrs, Volume= 28,513 cf, Atten= 0%, Lag= 0.0 min
Primary = 11.20 cfs @ 11.98 hrs, Volume= 28,513 cf

Routing by Stor-Ind method, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Peak Elev= 161.77' @ 11.98 hrs
Flood Elev= 161.00'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 157.47' | **12.0" Round Culvert**<br>L= 49.0' CPP, projecting, no headwall, Ke= 0.900<br>Inlet / Outlet Invert= 157.47' / 155.60' S= 0.0382 '/' Cc= 0.900<br>n= 0.013, Flow Area= 0.79 sf |
| #2 | Primary | 161.00' | **3.0' long x 3.0' breadth Broad-Crested Rectangular Weir**<br>Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50<br>Coef. (English) 2.44 2.58 2.68 2.67 2.65 2.64 2.64 2.68 2.68 2.72 2.81 2.92 2.97 3.07 3.32 |

**Primary OutFlow** Max=10.85 cfs @ 11.98 hrs HW=161.74' (Free Discharge)
**1=Culvert** (Inlet Controls 5.79 cfs @ 7.38 fps)
**2=Broad-Crested Rectangular Weir** (Weir Controls 5.06 cfs @ 2.29 fps)

## Pond CB-6: PROPOSED CATCH BASIN #6



## Summary for Pond EX-CB: EXISTING CATCH BASIN

[58] Hint: Peaked 0.72' above defined flood level
[79] Warning: Submerged Pond CB-6 Primary device # 1 INLET by 1.17'
[79] Warning: Submerged Pond YD-5 Primary device # 1 INLET by 1.07'

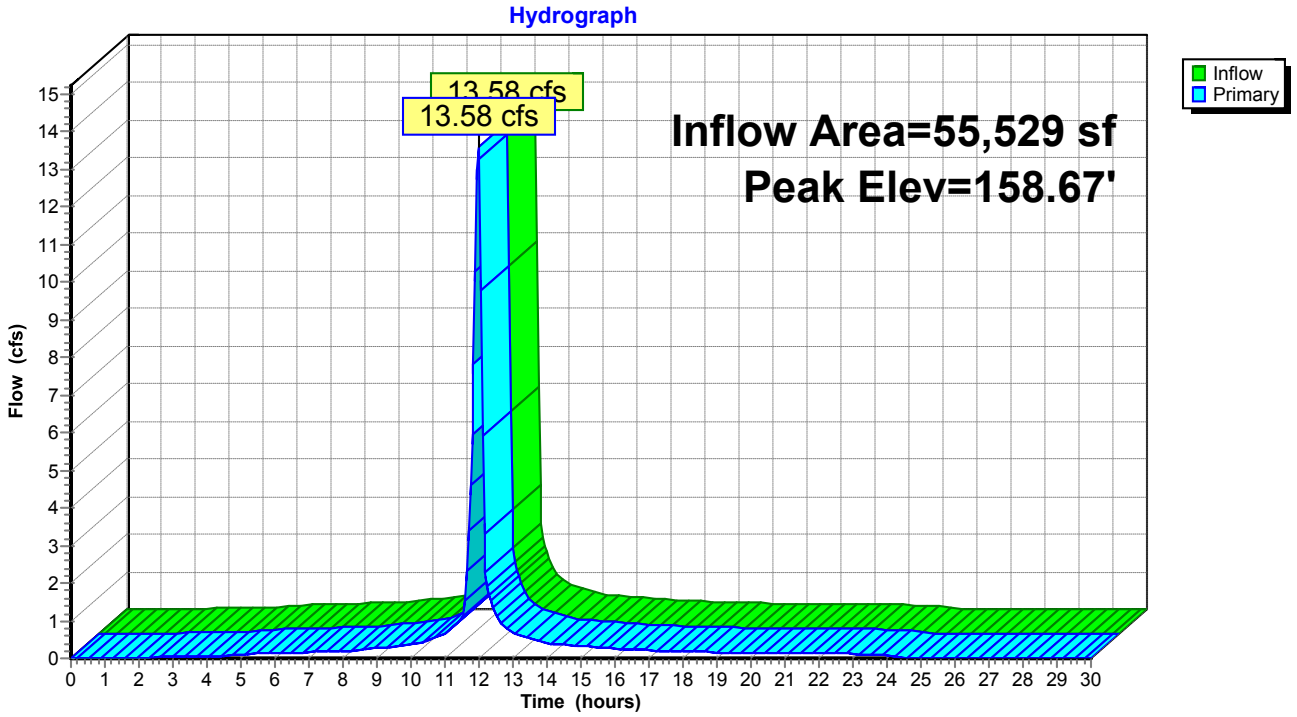
Inflow Area = 55,529 sf, 83.13% Impervious, Inflow Depth = 7.46" for 100-YEAR event
Inflow = 13.58 cfs @ 11.98 hrs, Volume= 34,531 cf
Outflow = 13.58 cfs @ 11.98 hrs, Volume= 34,531 cf, Atten= 0%, Lag= 0.0 min
Primary = 13.58 cfs @ 11.98 hrs, Volume= 34,531 cf

Routing by Stor-Ind method, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Peak Elev= 158.67' @ 11.98 hrs
Flood Elev= 157.95'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 154.40' | **15.0" Round Culvert**<br>L= 26.0' CPP, projecting, no headwall, Ke= 0.900<br>Inlet / Outlet Invert= 154.40' / 153.50' S= 0.0346 '/' Cc= 0.900<br>n= 0.013, Flow Area= 1.23 sf |
| #2 | Primary | 157.97' | **3.0' long x 3.0' breadth Broad-Crested Rectangular Weir**<br>Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50<br>Coef. (English) 2.44 2.58 2.68 2.67 2.65 2.64 2.64 2.68 2.68 2.72 2.81 2.92 2.97 3.07 3.32 |

**Primary OutFlow** Max=13.13 cfs @ 11.98 hrs HW=158.63' (Free Discharge)
**1=Culvert** (Inlet Controls 8.85 cfs @ 7.21 fps)
**2=Broad-Crested Rectangular Weir** (Weir Controls 4.27 cfs @ 2.17 fps)

## Pond EX-CB: EXISTING CATCH BASIN



## Summary for Pond YD-1: PROPOSED YARD DRAIN #1

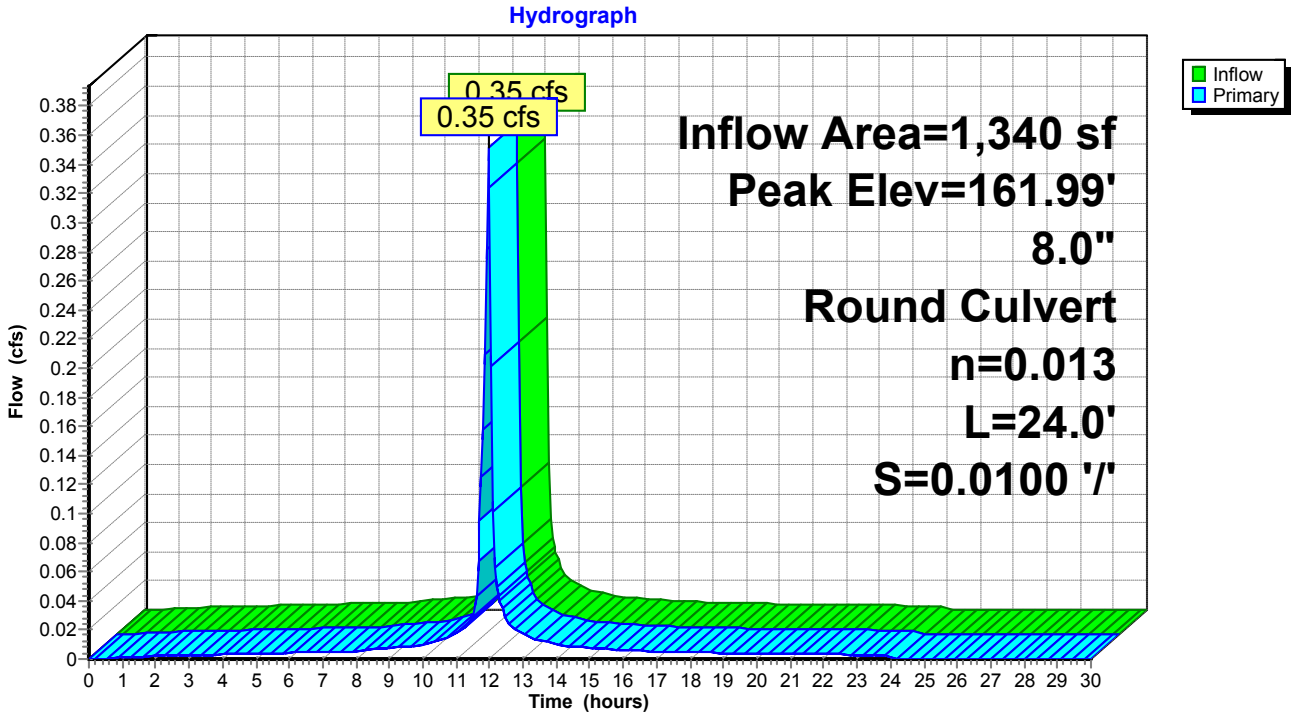
Inflow Area = 1,340 sf,100.00% Impervious, Inflow Depth = 7.99" for 100-YEAR event
Inflow = 0.35 cfs @ 11.96 hrs, Volume= 892 cf
Outflow = 0.35 cfs @ 11.96 hrs, Volume= 892 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.35 cfs @ 11.96 hrs, Volume= 892 cf

Routing by Stor-Ind method, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Peak Elev= 161.99' @ 11.96 hrs
Flood Elev= 164.10'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 161.60' | **8.0" Round Culvert**<br>L= 24.0' CPP, projecting, no headwall, Ke= 0.900<br>Inlet / Outlet Invert= 161.60' / 161.36' S= 0.0100 '/' Cc= 0.900<br>n= 0.013, Flow Area= 0.35 sf |

**Primary OutFlow** Max=0.34 cfs @ 11.96 hrs HW=161.98' (Free Discharge)
**1=Culvert** (Inlet Controls 0.34 cfs @ 1.66 fps)

## Pond YD-1: PROPOSED YARD DRAIN #1



## Summary for Pond YD-2: PROPOSED YARD DRAIN #2

[81] Warning: Exceeded Pond YD-1 by 0.04' @ 11.95 hrs

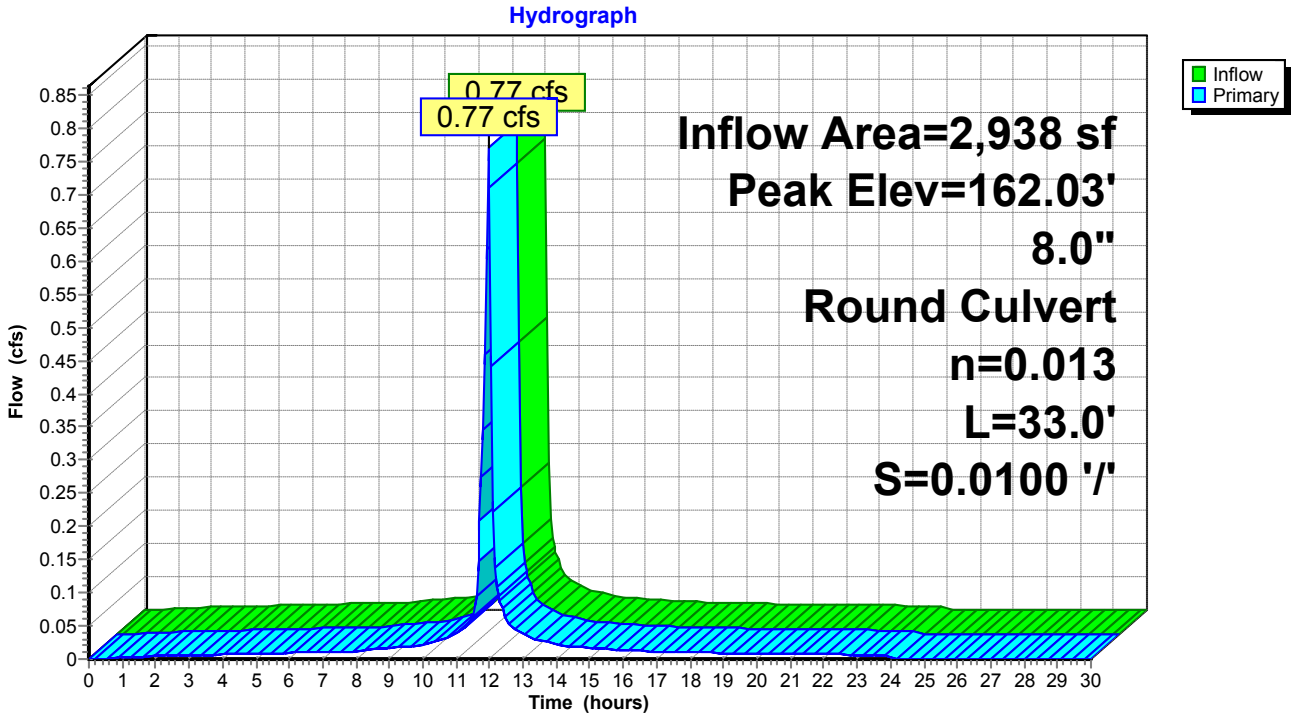
Inflow Area = 2,938 sf,100.00% Impervious, Inflow Depth = 7.99" for 100-YEAR event
Inflow = 0.77 cfs @ 11.96 hrs, Volume= 1,956 cf
Outflow = 0.77 cfs @ 11.96 hrs, Volume= 1,956 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.77 cfs @ 11.96 hrs, Volume= 1,956 cf

Routing by Stor-Ind method, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Peak Elev= 162.03' @ 11.96 hrs
Flood Elev= 164.10'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 161.36' | **8.0" Round Culvert**<br>L= 33.0' CPP, projecting, no headwall, Ke= 0.900<br>Inlet / Outlet Invert= 161.36' / 161.03' S= 0.0100 '/' Cc= 0.900<br>n= 0.013, Flow Area= 0.35 sf |

**Primary OutFlow** Max=0.75 cfs @ 11.96 hrs HW=162.01' (Free Discharge)
└**1=Culvert** (Inlet Controls 0.75 cfs @ 2.17 fps)

## Pond YD-2: PROPOSED YARD DRAIN #2



## Summary for Pond YD-3: PROPOSED YARD DRAIN #3

[81] Warning: Exceeded Pond YD-2 by 0.13' @ 11.95 hrs

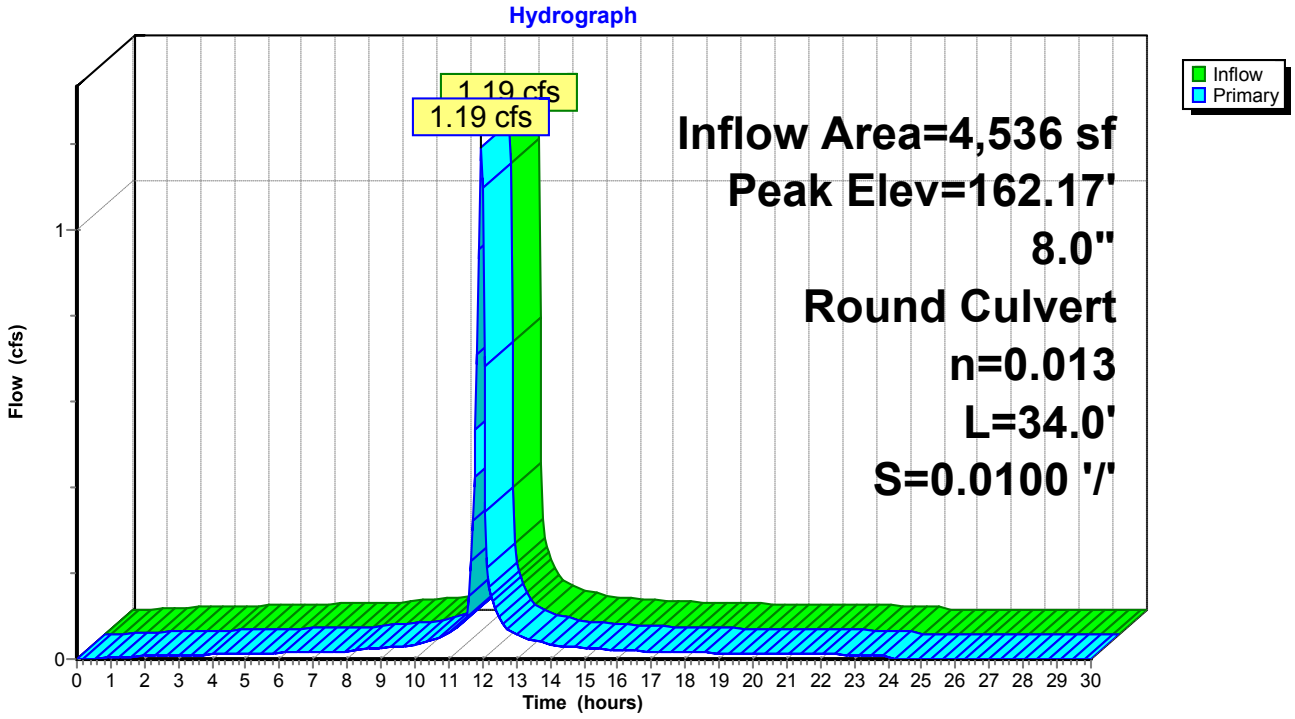
Inflow Area = 4,536 sf,100.00% Impervious, Inflow Depth = 7.99" for 100-YEAR event
Inflow = 1.19 cfs @ 11.96 hrs, Volume= 3,020 cf
Outflow = 1.19 cfs @ 11.96 hrs, Volume= 3,020 cf, Atten= 0%, Lag= 0.0 min
Primary = 1.19 cfs @ 11.96 hrs, Volume= 3,020 cf

Routing by Stor-Ind method, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Peak Elev= 162.17' @ 11.96 hrs
Flood Elev= 164.10'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 161.03' | **8.0" Round Culvert**<br>L= 34.0' CPP, projecting, no headwall, Ke= 0.900<br>Inlet / Outlet Invert= 161.03' / 160.69' S= 0.0100 '/' Cc= 0.900<br>n= 0.013, Flow Area= 0.35 sf |

**Primary OutFlow** Max=1.16 cfs @ 11.96 hrs HW=162.13' (Free Discharge)
└**1=Culvert** (Inlet Controls 1.16 cfs @ 3.33 fps)

## Pond YD-3: PROPOSED YARD DRAIN #3



## Summary for Pond YD-4: PROPOSED YARD DRAIN #4

[81] Warning: Exceeded Pond YD-3 by 0.67' @ 11.95 hrs

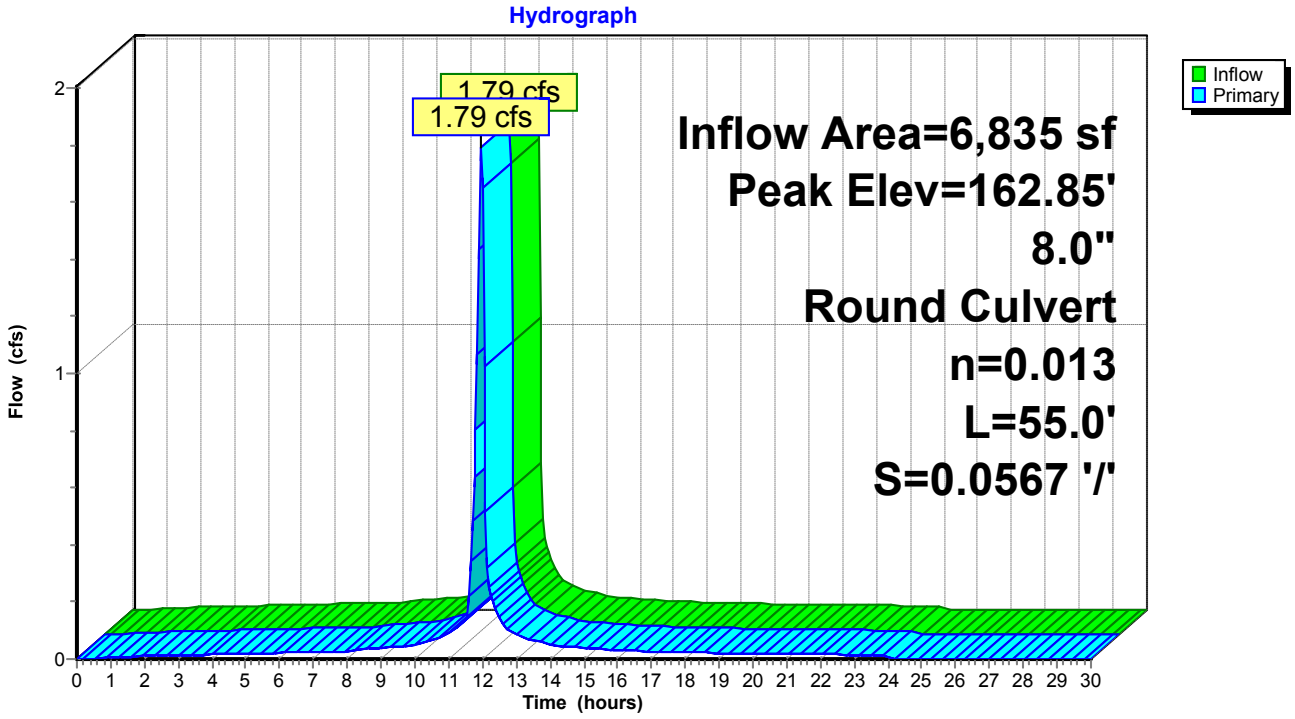
Inflow Area = 6,835 sf,100.00% Impervious, Inflow Depth = 7.99" for 100-YEAR event
Inflow = 1.79 cfs @ 11.96 hrs, Volume= 4,551 cf
Outflow = 1.79 cfs @ 11.96 hrs, Volume= 4,551 cf, Atten= 0%, Lag= 0.0 min
Primary = 1.79 cfs @ 11.96 hrs, Volume= 4,551 cf

Routing by Stor-Ind method, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Peak Elev= 162.85' @ 11.96 hrs
Flood Elev= 164.10'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 160.69' | **8.0" Round Culvert**<br>L= 55.0' CPP, projecting, no headwall, Ke= 0.900<br>Inlet / Outlet Invert= 160.69' / 157.57' S= 0.0567 '/' Cc= 0.900<br>n= 0.013, Flow Area= 0.35 sf |

**Primary OutFlow** Max=1.75 cfs @ 11.96 hrs HW=162.77' (Free Discharge)
└**1=Culvert** (Inlet Controls 1.75 cfs @ 5.02 fps)

## Pond YD-4: PROPOSED YARD DRAIN #4



## Summary for Pond YD-5: PROPOSED YARD DRAIN #5

[79] Warning: Submerged Pond YD-4 Primary device # 1 OUTLET by 2.46'

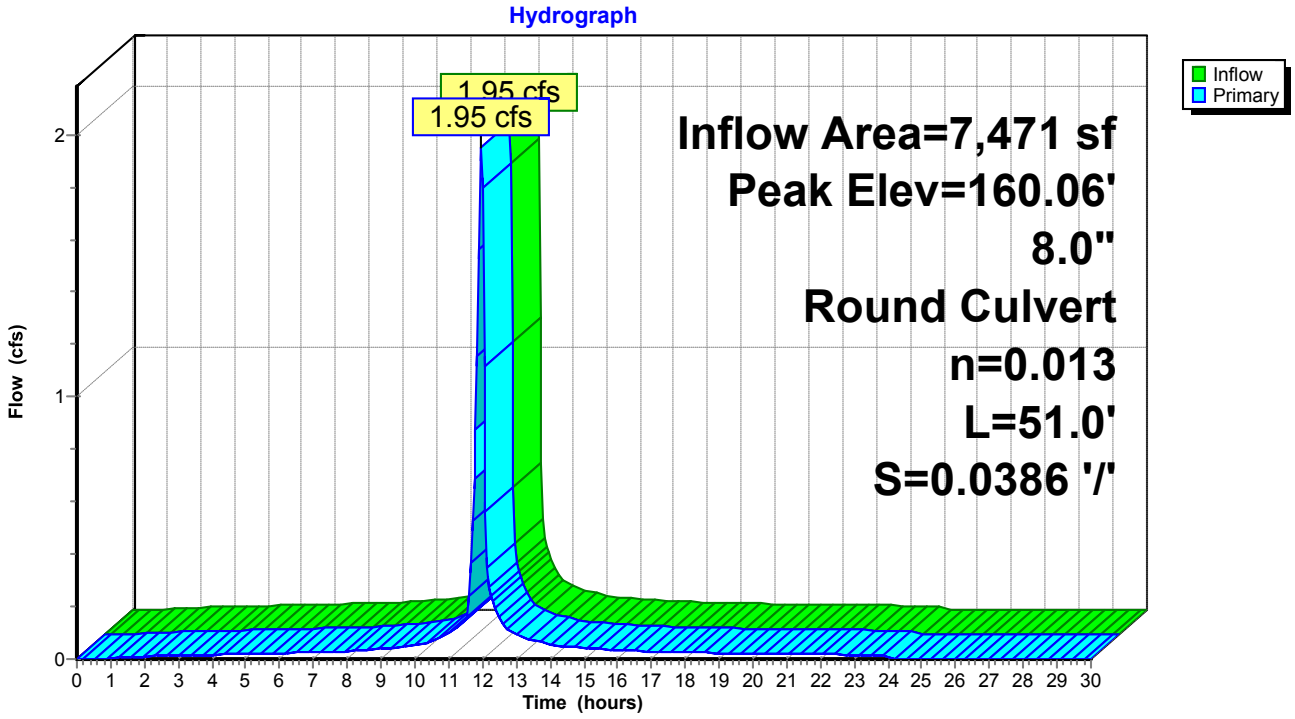
Inflow Area = 7,471 sf, 95.34% Impervious, Inflow Depth = 7.89" for 100-YEAR event
Inflow = 1.95 cfs @ 11.96 hrs, Volume= 4,911 cf
Outflow = 1.95 cfs @ 11.96 hrs, Volume= 4,911 cf, Atten= 0%, Lag= 0.0 min
Primary = 1.95 cfs @ 11.96 hrs, Volume= 4,911 cf

Routing by Stor-Ind method, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Peak Elev= 160.06' @ 11.96 hrs
Flood Elev= 160.20'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 157.57' | **8.0" Round Culvert**<br>L= 51.0' CPP, projecting, no headwall, Ke= 0.900<br>Inlet / Outlet Invert= 157.57' / 155.60' S= 0.0386 '/' Cc= 0.900<br>n= 0.013, Flow Area= 0.35 sf |

**Primary OutFlow** Max=1.91 cfs @ 11.96 hrs HW=159.96' (Free Discharge)
└**1=Culvert** (Inlet Controls 1.91 cfs @ 5.46 fps)

## Pond YD-5: PROPOSED YARD DRAIN #5



# APPENDIX D

Supporting Design Information and Calculations
NYSOPRHP Correspondence

# Extreme Precipitation Tables

## Northeast Regional Climate Center

***Data represents point estimates calculated from partial duration series. All precipitation amounts are displayed in inches.***

| | |
|---|---|
| **Smoothing** | Yes |
| **State** | New York |
| **Location** | |
| **Longitude** | 73.923 degrees West |
| **Latitude** | 41.709 degrees North |
| **Elevation** | 0 feet |
| **Date/Time** | Wed, 24 Feb 2021 12:11:30 -0500 |

## Extreme Precipitation Estimates

| | 5min | 10min | 15min | 30min | 60min | 120min | | 1hr | 2hr | 3hr | 6hr | 12hr | 24hr | 48hr | | 1day | 2day | 4day | 7day | 10day | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1yr** | 0.31 | 0.48 | 0.60 | 0.78 | 0.98 | 1.22 | **1yr** | 0.85 | 1.15 | 1.40 | 1.73 | 2.13 | 2.61 | 2.96 | **1yr** | 2.31 | 2.85 | 3.32 | 3.97 | 4.58 | **1yr** |
| **2yr** | 0.38 | 0.58 | 0.72 | 0.95 | 1.20 | 1.49 | **2yr** | 1.03 | 1.38 | 1.72 | 2.11 | 2.59 | 3.16 | 3.57 | **2yr** | 2.80 | 3.43 | 3.92 | 4.62 | 5.25 | **2yr** |
| **5yr** | 0.45 | 0.70 | 0.88 | 1.17 | 1.50 | 1.89 | **5yr** | 1.29 | 1.71 | 2.17 | 2.67 | 3.26 | 3.95 | 4.50 | **5yr** | 3.50 | 4.33 | 4.95 | 5.72 | 6.48 | **5yr** |
| **10yr** | 0.51 | 0.80 | 1.01 | 1.37 | 1.78 | 2.26 | **10yr** | 1.54 | 2.01 | 2.60 | 3.20 | 3.88 | 4.68 | 5.38 | **10yr** | 4.14 | 5.17 | 5.92 | 6.73 | 7.59 | **10yr** |
| **25yr** | 0.60 | 0.95 | 1.21 | 1.68 | 2.23 | 2.86 | **25yr** | 1.93 | 2.49 | 3.30 | 4.05 | 4.90 | 5.85 | 6.80 | **25yr** | 5.18 | 6.54 | 7.49 | 8.34 | 9.38 | **25yr** |
| **50yr** | 0.69 | 1.10 | 1.41 | 1.98 | 2.66 | 3.42 | **50yr** | 2.29 | 2.93 | 3.95 | 4.85 | 5.84 | 6.94 | 8.13 | **50yr** | 6.14 | 7.82 | 8.96 | 9.81 | 11.00 | **50yr** |
| **100yr** | 0.79 | 1.27 | 1.64 | 2.33 | 3.17 | 4.10 | **100yr** | 2.74 | 3.45 | 4.74 | 5.80 | 6.96 | 8.23 | 9.72 | **100yr** | 7.28 | 9.35 | 10.72 | 11.55 | 12.92 | **100yr** |
| **200yr** | 0.90 | 1.47 | 1.91 | 2.74 | 3.78 | 4.90 | **200yr** | 3.26 | 4.07 | 5.69 | 6.95 | 8.30 | 9.76 | 11.64 | **200yr** | 8.64 | 11.19 | 12.83 | 13.60 | 15.17 | **200yr** |
| **500yr** | 1.10 | 1.81 | 2.36 | 3.42 | 4.79 | 6.23 | **500yr** | 4.13 | 5.05 | 7.23 | 8.81 | 10.47 | 12.24 | 14.76 | **500yr** | 10.83 | 14.19 | 16.30 | 16.89 | 18.78 | **500yr** |

## Lower Confidence Limits

| | 5min | 10min | 15min | 30min | 60min | 120min | | 1hr | 2hr | 3hr | 6hr | 12hr | 24hr | 48hr | | 1day | 2day | 4day | 7day | 10day | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1yr** | 0.27 | 0.42 | 0.52 | 0.69 | 0.85 | 1.02 | **1yr** | 0.74 | 1.00 | 1.20 | 1.52 | 1.90 | 2.26 | 2.58 | **1yr** | 2.00 | 2.48 | 3.06 | 3.60 | 4.08 | **1yr** |
| **2yr** | 0.37 | 0.56 | 0.69 | 0.94 | 1.16 | 1.36 | **2yr** | 1.00 | 1.33 | 1.54 | 1.97 | 2.49 | 3.06 | 3.45 | **2yr** | 2.71 | 3.32 | 3.81 | 4.56 | 5.18 | **2yr** |
| **5yr** | 0.41 | 0.64 | 0.79 | 1.08 | 1.38 | 1.59 | **5yr** | 1.19 | 1.55 | 1.80 | 2.31 | 2.88 | 3.67 | 4.16 | **5yr** | 3.25 | 4.00 | 4.68 | 5.41 | 6.13 | **5yr** |
| **10yr** | 0.46 | 0.71 | 0.88 | 1.23 | 1.59 | 1.78 | **10yr** | 1.37 | 1.74 | 2.01 | 2.58 | 3.19 | 4.19 | 4.77 | **10yr** | 3.71 | 4.59 | 5.40 | 6.14 | 6.95 | **10yr** |
| **25yr** | 0.54 | 0.82 | 1.02 | 1.45 | 1.91 | 2.04 | **25yr** | 1.65 | 2.00 | 2.33 | 2.86 | 3.65 | 5.01 | 5.70 | **25yr** | 4.43 | 5.48 | 6.48 | 7.27 | 8.22 | **25yr** |
| **50yr** | 0.60 | 0.92 | 1.14 | 1.65 | 2.21 | 2.26 | **50yr** | 1.91 | 2.21 | 2.62 | 3.17 | 4.06 | 5.74 | 6.56 | **50yr** | 5.08 | 6.30 | 7.42 | 8.25 | 9.32 | **50yr** |
| **100yr** | 0.69 | 1.04 | 1.30 | 1.88 | 2.57 | 2.53 | **100yr** | 2.22 | 2.48 | 2.95 | 3.51 | 4.52 | 6.61 | 7.54 | **100yr** | 5.85 | 7.25 | 8.50 | 9.36 | 10.58 | **100yr** |
| **200yr** | 0.78 | 1.18 | 1.49 | 2.16 | 3.02 | 2.82 | **200yr** | 2.60 | 2.75 | 3.31 | 3.89 | 5.02 | 7.57 | 8.71 | **200yr** | 6.70 | 8.37 | 9.72 | 10.65 | 12.00 | **200yr** |
| **500yr** | 0.95 | 1.41 | 1.81 | 2.63 | 3.74 | 3.26 | **500yr** | 3.23 | 3.19 | 3.88 | 4.47 | 5.79 | 9.15 | 10.55 | **500yr** | 8.10 | 10.15 | 11.62 | 12.61 | 14.21 | **500yr** |

## Upper Confidence Limits

| | 5min | 10min | 15min | 30min | 60min | 120min | | 1hr | 2hr | 3hr | 6hr | 12hr | 24hr | 48hr | | 1day | 2day | 4day | 7day | 10day | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1yr** | 0.35 | 0.54 | 0.65 | 0.88 | 1.08 | 1.30 | **1yr** | 0.93 | 1.28 | 1.46 | 1.87 | 2.35 | 2.86 | 3.21 | **1yr** | 2.53 | 3.09 | 3.63 | 4.23 | 4.87 | **1yr** |
| **2yr** | 0.39 | 0.61 | 0.75 | 1.02 | 1.25 | 1.49 | **2yr** | 1.08 | 1.46 | 1.69 | 2.18 | 2.73 | 3.27 | 3.73 | **2yr** | 2.89 | 3.59 | 4.15 | 4.71 | 5.35 | **2yr** |
| **5yr** | 0.49 | 0.75 | 0.93 | 1.28 | 1.62 | 1.91 | **5yr** | 1.40 | 1.87 | 2.20 | 2.81 | 3.56 | 4.27 | 4.88 | **5yr** | 3.78 | 4.70 | 5.25 | 6.08 | 6.84 | **5yr** |
| **10yr** | 0.58 | 0.89 | 1.10 | 1.54 | 1.99 | 2.33 | **10yr** | 1.72 | 2.28 | 2.70 | 3.46 | 4.36 | 5.21 | 6.03 | **10yr** | 4.61 | 5.80 | 6.45 | 7.38 | 8.26 | **10yr** |
| **25yr** | 0.73 | 1.11 | 1.38 | 1.96 | 2.58 | 3.02 | **25yr** | 2.23 | 2.96 | 3.56 | 4.72 | 5.73 | 6.79 | 7.95 | **25yr** | 6.01 | 7.64 | 8.51 | 9.58 | 10.62 | **25yr** |
| **50yr** | 0.86 | 1.31 | 1.64 | 2.35 | 3.16 | 3.70 | **50yr** | 2.73 | 3.61 | 4.39 | 5.86 | 7.02 | 8.30 | 9.82 | **50yr** | 7.34 | 9.44 | 10.53 | 11.68 | 12.87 | **50yr** |
| **100yr** | 1.03 | 1.56 | 1.95 | 2.82 | 3.86 | 4.53 | **100yr** | 3.33 | 4.43 | 5.41 | 7.29 | 8.63 | 10.15 | 12.11 | **100yr** | 8.98 | 11.65 | 13.03 | 14.25 | 15.59 | **100yr** |
| **200yr** | 1.22 | 1.84 | 2.33 | 3.38 | 4.71 | 5.53 | **200yr** | 4.06 | 5.40 | 6.68 | 9.06 | 10.61 | 12.41 | 14.95 | **200yr** | 10.98 | 14.38 | 16.17 | 17.42 | 18.89 | **200yr** |
| **500yr** | 1.55 | 2.31 | 2.97 | 4.31 | 6.13 | 7.22 | **500yr** | 5.29 | 7.06 | 8.82 | 12.11 | 13.97 | 16.17 | 19.72 | **500yr** | 14.31 | 18.96 | 21.55 | 22.72 | 24.41 | **500yr** |

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NEW YORK STATE OF OPPORTUNITY. | Parks, Recreation, and Historic Preservation

**ANDREW M. CUOMO**
Governor

**ROSE HARVEY**
Commissioner

June 06, 2018

Mrs. Nicole Patti
LRC Group
85 Civic Center Plaza
Suite 103
Poughkeepsie, NY 12601

Re: SEQRA
27 High Street
City of Poughkeepsie, Dutchess County, NY
18PR03333

Dear Mrs. Patti:

Thank you for requesting the comments of the Division for Historic Preservation of the Office of Parks, Recreation and Historic Preservation (OPRHP) as part of your SEQRA process. These comments are those of OPRHP and relate only to Historic/Cultural resources. If this project will involve state or federal permitting, funding or licensing, it may require additional review for potential impacts to architectural and archaeological resources, in accordance with Section 106 of the National Historic Preservation Act or Section 14.09 of NYS Parks Recreation and Historic Preservation Law.

Based on the information provided, OPHRP has no concerns regarding the proposed project under SEQRA. Should the project design be changed, we recommend further consultation with this office.

If you have any questions, please don't hesitate to contact me.

Sincerely,



Philip A. Perazio, Historic Preservation Program Analyst - Archaeology Unit
Phone: 518-268-2175
e-mail: philip.perazio@parks.ny.gov via email only

cc: Natalie Quinn, City of Poughkeepsie

**Design Criteria & Performance Summary**

**SUMMARY OF OVERALL WATERSHEDS**

| Design Criteria | *min req'd* | | Performance Summary: | | |
|---|---|---|---|---|---|
| *criteria* | *amount* | *unit* | *Provided* | | *notes/information* |
| WQv: | | | | | |
| total | 981 | cft | 1,124 | cft | Underground Infiltration Chambers |
| Cpv: | | | | | |
| volume | NA | cft | NA | cft | NA if reduction of CPv achieed through RRv Practices |
| Qp: | | | | | |
| discharge | 7.9 | cfs | 7.6 | cfs | Pre to Post reduced See Hydro CAD |
| Qf | | | | | |
| discharge | 14.1 | cfs | 13.6 | cfs | Pre to Post reduced See Hydro CAD |
| | | | | | |
| RRv Min: | 777 | cft | 1,011 | cft | |

| WQv BY DRAINAGE AREA | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| DA | Tributary Area | Impervious Cover | Percent Impervious | P | Rv | WQv (AC-FT) | WQv (CF) | S | Min RRv (AC-FT) | Min RRv (CF) |
| 1 | 0.33 | 0.31 | 93.28 | 1.05 | 0.89 | 0.03 | 1129.9 | 0.2 | 0.005 | 225.1 |
| 2 | 0.19 | 0.16 | 85.68 | 1.05 | 0.82 | 0.01 | 592.4 | 0.2 | 0.003 | 117.5 |
| 4 | 0.28 | 0.14 | 51.79 | 1.05 | 0.52 | 0.01 | 541.2 | 0.2 | 0.002 | 103.2 |
| 5 | 0.03 | 0.03 | 100.00 | 1.05 | 0.95 | 0.00 | 111.4 | 0.2 | 0.001 | 22.3 |
| 6 | 0.04 | 0.04 | 100.00 | 1.05 | 0.95 | 0.00 | 132.8 | 0.2 | 0.001 | 26.6 |
| 7 | 0.04 | 0.04 | 100.00 | 1.05 | 0.95 | 0.00 | 132.8 | 0.2 | 0.001 | 26.6 |
| 8 | 0.05 | 0.05 | 100.00 | 1.05 | 0.95 | 0.00 | 191.1 | 0.2 | 0.001 | 38.2 |
| 9 | 0.17 | 0.17 | 97.52 | 1.05 | 0.93 | 0.01 | 601.2 | 0.2 | 0.003 | 120.1 |
| 10 | 0.01 | 0.01 | 45.28 | 1.05 | 0.46 | 0.00 | 25.5 | 0.2 | 0.000 | 4.8 |
| 11 | 0.10 | 0.10 | 100.00 | 1.05 | 0.95 | 0.01 | 366.0 | 0.2 | 0.002 | 73.2 |
| 12 | 0.04 | 0.03 | 61.82 | 1.05 | 0.61 | 0.00 | 98.5 | 0.2 | 0.000 | 19.1 |
| **TOTAL** | **1.28** | **1.07** | | | | | **3922.9** | | **0.018** | **776.6** |
| | | | Required 25% for Redevelopment | | | | **980.7** | | | |

## Water Quality Volume Calculations — REDEVELOPMENT

| | | | |
|---|---|---|---|
| Trib Area | 1.28 | ac | |
| Imperv Cover: | 1.07 | ac | |
| Imperv. % | 83.58 | | |

### Stormwater Management Practice Selection:

Underground Infiltration Chambers

### Uniform Sizing Criteria:

| | | | |
|---|---|---|---|
| Water Quality (WQv) | P= | 1.05 | |
| | *I*= | *83.6* | |
| | Rv= | 0.8022 | |
| | A= | 1.28 | |
| | WQv= | 0.09 | AC-FT |
| | | 3,922.9 | CF |
| 25% WQv Redevelopment | | **0.02** | AC-FT |
| | | **980.7** | CF |

## Minimum Runoff Reduction Requirements

RRV = 90% rain (P) x Rv* x S x total impervious area (AI from #2) / 12

with S = .55 (A soils); .40 (B soils); .30 (C soils); .20(D soils) OR weighted HSG average in DA

Weighted HSG= 0.2

| | | |
|---|---|---|
| **Min RRV** = | 0.018 | ac-ft |
| **Min RRV** = | 776.55 | cu-ft |

**STORMTECH SUBSURFACE STORMWATER CHAMBERS**
**SIZING PER CHAPTER 6 OF THE NYS STORM WATER DESIGN MANUAL**

| Design Parameters | | |
|---|---|---|
| | | |
| Select Stormtech Chamber | SC-740 | |
| Stone Porosity (Industry Standard 40%) | 40 | % |
| Stone Foundation Depth | 6 | Inches |
| Avg Cover Over Chambers | 24 | Inches |
| Storage Volume Per Chamber | 74.9 | CF |
| Storage Volume Per End Cap | 0 | CF |
| | | |

| UGC # | Required WQv | Min Chambers Required | Chambers Provied | End Caps Provided | WQv Provided | RRv Provided |
|---|---|---|---|---|---|---|
| 1 | 1129.9 | 15.1 | 15 | 6 | 1123.5 | 1011.15 |

# WQv - RRv Summary

| WQv REQUIRED | |
|---|---|
| Redevelopment | 981 |
| **TOTAL (CU FT)** | 981 |
| **TOTAL (AC FT)** | **0.02** |

| WQv PROVIDED | |
|---|---|
| UGC-1 | 1124 |
| **TOTAL (CU FT)** | 1124 |
| **TOTAL (AC FT)** | **0.03** |

| RRv REQUIRED | |
|---|---|
| Redevelopment | 777 |
| **TOTAL (CU FT)** | 777 |
| **TOTAL (AC FT)** | **0.02** |

| RRv PROVIDED | |
|---|---|
| UGC-1 | 1011 |
| **TOTAL (CU FT)** | 1011 |
| **TOTAL (AC FT)** | **0.02** |

**Pre Post Flow analysis**

| Peak Flow Discharge Rate DP-1 | | | |
|---|---|---|---|
| **Storm Event** | **Pre (cfs)** | **Post (cfs)** | **Net Reduction (cfs)** |
| 1 | 4.2 | 4.0 | **-0.2** |
| 2 | 5.2 | 5.0 | **-0.2** |
| 10 | 7.9 | 7.6 | **-0.3** |
| 25 | 9.9 | 9.6 | **-0.4** |
| 100 | 14.1 | 13.6 | **-0.5** |

| Peak Flow Discharge Rate CITY CB | | | |
|---|---|---|---|
| **Storm Event** | **Pre Elev (ft)** | **Post Elev (ft)** | **Net Reduction (ft)** |
| 1 | 156.9 | 155.8 | **-1.1** |
| 2 | 157.9 | 156.2 | **-1.8** |
| 10 | 158.4 | 157.7 | **-0.7** |
| 25 | 158.6 | 158.3 | **-0.3** |
| 100 | 159.0 | 158.7 | **-0.3** |

# APPENDIX E

Soils Map

Map Pocket: Pre- & Post-Development Drainage Area Maps
Pre & Post Development Routing Diagrams

Soil Map—Dutchess County, New York
(High Street)




Map Scale: 1:932 if printed on A landscape (11" x 8.5") sheet.

N

Meters: 0 10 20 40 60

Feet: 0 45 90 180 270

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 18N WGS84

## MAP LEGEND

**Area of Interest (AOI)**
- Area of Interest (AOI)

**Soils**
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

**Special Point Features**
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

**Water Features**
- Streams and Canals

**Transportation**
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

**Background**
- Aerial Photography

## MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Dutchess County, New York
Survey Area Data: Version 16, Sep 16, 2019

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Oct 7, 2013—Feb 26, 2017

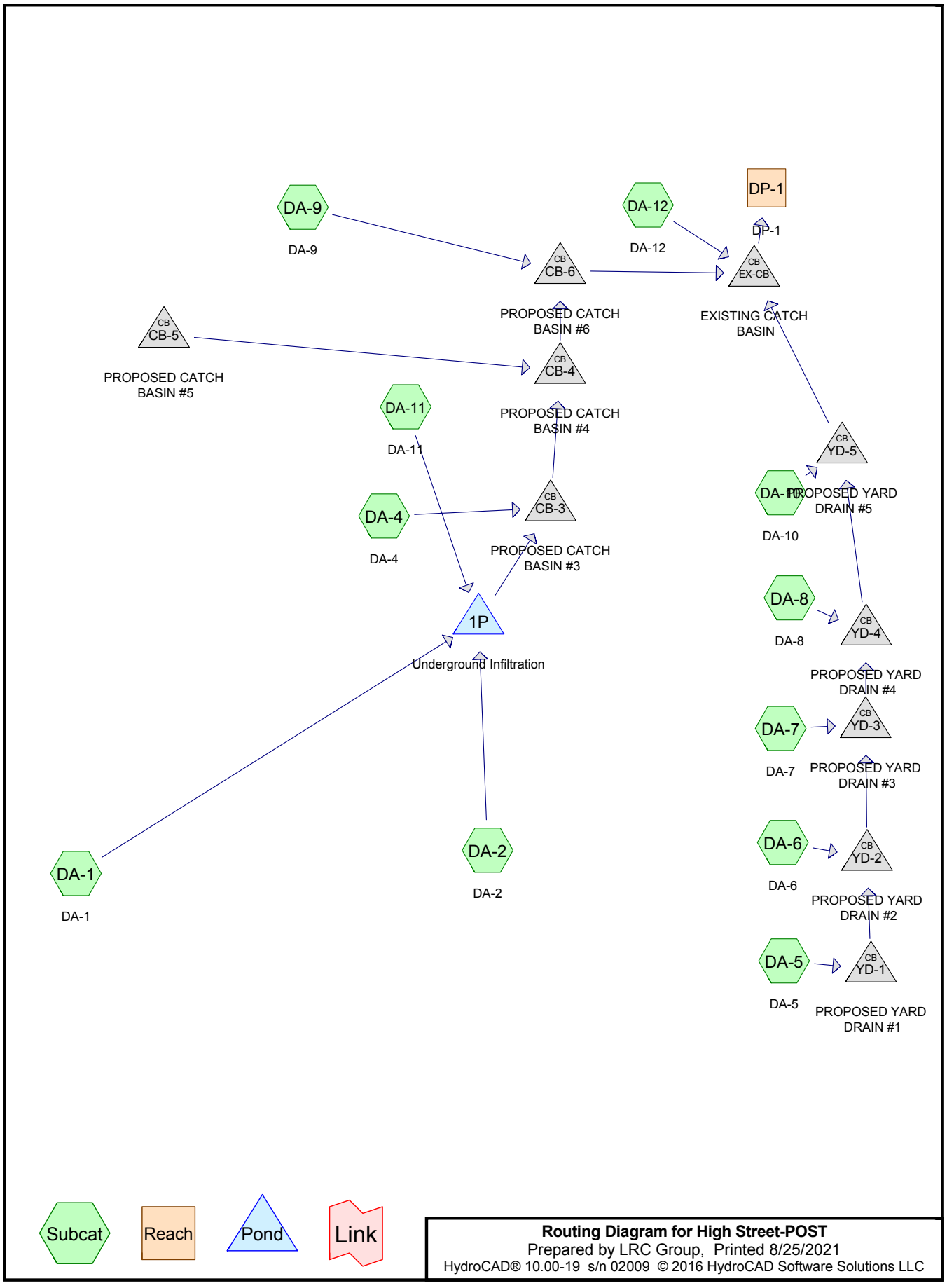
The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

# Map Unit Legend

| Map Unit Symbol | Map Unit Name | Acres in AOI | Percent of AOI |
|---|---|---|---|
| Ur | Urban land | 2.2 | 100.0% |
| **Totals for Area of Interest** | | **2.2** | **100.0%** |

# APPENDIX F

25 Year Hydraulic Grade Evaluation




**Routing Diagram for High Street-POST**
Prepared by LRC Group, Printed 8/25/2021
HydroCAD® 10.00-19 s/n 02009 © 2016 HydroCAD Software Solutions LLC

## Area Listing (all nodes)

| Area (sq-ft) | CN | Description (subcatchment-numbers) |
|---|---|---|
| 9,369 | 80 | >75% Grass cover, Good, HSG D (DA-1, DA-10, DA-12, DA-2, DA-4, DA-9) |
| 34,897 | 98 | Paved parking, HSG D (DA-1, DA-10, DA-12, DA-2, DA-4, DA-5, DA-6, DA-7, DA-8, DA-9) |
| 11,263 | 98 | Roofs, HSG D (DA-11, DA-9) |
| **55,529** | **95** | **TOTAL AREA** |

## Soil Listing (all nodes)

| Area (sq-ft) | Soil Group | Subcatchment Numbers |
|---|---|---|
| 0 | HSG A | |
| 0 | HSG B | |
| 0 | HSG C | |
| 55,529 | HSG D | DA-1, DA-10, DA-11, DA-12, DA-2, DA-4, DA-5, DA-6, DA-7, DA-8, DA-9 |
| 0 | Other | |
| **55,529** | | **TOTAL AREA** |

## Ground Covers (all nodes)

| HSG-A (sq-ft) | HSG-B (sq-ft) | HSG-C (sq-ft) | HSG-D (sq-ft) | Other (sq-ft) | Total (sq-ft) | Ground Cover | Sub Num |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 9,369 | 0 | 9,369 | >75% Grass cover, Good | |
| 0 | 0 | 0 | 34,897 | 0 | 34,897 | Paved parking | |
| 0 | 0 | 0 | 11,263 | 0 | 11,263 | Roofs | |
| **0** | **0** | **0** | **55,529** | **0** | **55,529** | **TOTAL AREA** | |

## Pipe Listing (all nodes)

| Line# | Node Number | In-Invert (feet) | Out-Invert (feet) | Length (feet) | Slope (ft/ft) | n | Diam/Width (inches) | Height (inches) | Inside-Fill (inches) |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1P | 158.95 | 158.75 | 15.0 | 0.0133 | 0.013 | 15.0 | 0.0 | 0.0 |
| 2 | CB-3 | 159.29 | 157.77 | 38.0 | 0.0400 | 0.013 | 12.0 | 0.0 | 0.0 |
| 3 | CB-4 | 157.77 | 157.47 | 30.0 | 0.0100 | 0.013 | 12.0 | 0.0 | 0.0 |
| 4 | CB-5 | 158.90 | 157.77 | 108.0 | 0.0105 | 0.013 | 12.0 | 0.0 | 0.0 |
| 5 | CB-6 | 157.47 | 155.60 | 49.0 | 0.0382 | 0.013 | 12.0 | 0.0 | 0.0 |
| 6 | EX-CB | 154.40 | 153.50 | 26.0 | 0.0346 | 0.013 | 15.0 | 0.0 | 0.0 |
| 7 | YD-1 | 161.60 | 161.36 | 24.0 | 0.0100 | 0.013 | 8.0 | 0.0 | 0.0 |
| 8 | YD-2 | 161.36 | 161.03 | 33.0 | 0.0100 | 0.013 | 8.0 | 0.0 | 0.0 |
| 9 | YD-3 | 161.03 | 160.69 | 34.0 | 0.0100 | 0.013 | 8.0 | 0.0 | 0.0 |
| 10 | YD-4 | 160.69 | 157.57 | 55.0 | 0.0567 | 0.013 | 8.0 | 0.0 | 0.0 |
| 11 | YD-5 | 157.57 | 155.60 | 51.0 | 0.0386 | 0.013 | 8.0 | 0.0 | 0.0 |

Time span=0.00-30.00 hrs, dt=0.05 hrs, 601 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

**Subcatchment DA-1: DA-1** Runoff Area=14,517 sf 93.28% Impervious Runoff Depth=5.49"
Tc=6.0 min CN=97 Runoff=2.69 cfs 6,647 cf

**Subcatchment DA-10: DA-10** Runoff Area=636 sf 45.28% Impervious Runoff Depth=4.48"
Tc=6.0 min CN=88 Runoff=0.11 cfs 238 cf

**Subcatchment DA-11: DA-11** Runoff Area=4,403 sf 100.00% Impervious Runoff Depth=5.61"
Tc=6.0 min CN=98 Runoff=0.82 cfs 2,059 cf

**Subcatchment DA-12: DA-12** Runoff Area=1,857 sf 61.82% Impervious Runoff Depth=4.81"
Tc=6.0 min CN=91 Runoff=0.32 cfs 744 cf

**Subcatchment DA-2: DA-2** Runoff Area=8,246 sf 85.68% Impervious Runoff Depth=5.26"
Tc=6.0 min CN=95 Runoff=1.51 cfs 3,616 cf

**Subcatchment DA-4: DA-4** Runoff Area=11,628 sf 48.64% Impervious Runoff Depth=4.59"
Tc=6.0 min CN=89 Runoff=1.97 cfs 4,448 cf

**Subcatchment DA-5: DA-5** Runoff Area=1,340 sf 100.00% Impervious Runoff Depth=5.61"
Tc=6.0 min CN=98 Runoff=0.25 cfs 627 cf

**Subcatchment DA-6: DA-6** Runoff Area=1,598 sf 100.00% Impervious Runoff Depth=5.61"
Tc=6.0 min CN=98 Runoff=0.30 cfs 747 cf

**Subcatchment DA-7: DA-7** Runoff Area=1,598 sf 100.00% Impervious Runoff Depth=5.61"
Tc=6.0 min CN=98 Runoff=0.30 cfs 747 cf

**Subcatchment DA-8: DA-8** Runoff Area=2,299 sf 100.00% Impervious Runoff Depth=5.61"
Tc=6.0 min CN=98 Runoff=0.43 cfs 1,075 cf

**Subcatchment DA-9: DA-9** Runoff Area=7,407 sf 97.52% Impervious Runoff Depth=5.61"
Tc=6.0 min CN=98 Runoff=1.38 cfs 3,464 cf

**Reach DP-1: DP-1** Inflow=9.55 cfs 23,609 cf
Outflow=9.55 cfs 23,609 cf

**Pond 1P: Underground Infiltration** Peak Elev=160.55' Storage=1,134 cf Inflow=5.02 cfs 12,322 cf
Discarded=0.01 cfs 522 cf Primary=4.61 cfs 11,519 cf Outflow=4.62 cfs 12,040 cf

**Pond CB-3: PROPOSED CATCH BASIN #3** Peak Elev=164.54' Inflow=6.52 cfs 15,967 cf
12.0" Round Culvert n=0.013 L=38.0' S=0.0400 '/' Outflow=6.52 cfs 15,967 cf

**Pond CB-4: PROPOSED CATCH BASIN #4** Peak Elev=161.20' Inflow=6.52 cfs 15,967 cf
Outflow=6.52 cfs 15,967 cf

**Pond CB-5: PROPOSED CATCH BASIN #5** Peak Elev=0.00'
12.0" Round Culvert n=0.013 L=108.0' S=0.0105 '/' Primary=0.00 cfs 0 cf

**Pond CB-6: PROPOSED CATCH BASIN #6** Peak Elev=161.45' Inflow=7.87 cfs 19,431 cf
Outflow=7.87 cfs 19,431 cf

**Pond EX-CB: EXISTING CATCH BASIN** Peak Elev=158.34' Inflow=9.55 cfs 23,609 cf
Outflow=9.55 cfs 23,609 cf

**Pond YD-1: PROPOSED YARD DRAIN #1** Peak Elev=161.92' Inflow=0.25 cfs 627 cf
8.0" Round Culvert n=0.013 L=24.0' S=0.0100 '/' Outflow=0.25 cfs 627 cf

**Pond YD-2: PROPOSED YARD DRAIN #2** Peak Elev=161.87' Inflow=0.55 cfs 1,374 cf
8.0" Round Culvert n=0.013 L=33.0' S=0.0100 '/' Outflow=0.55 cfs 1,374 cf

**Pond YD-3: PROPOSED YARD DRAIN #3** Peak Elev=161.77' Inflow=0.84 cfs 2,121 cf
8.0" Round Culvert n=0.013 L=34.0' S=0.0100 '/' Outflow=0.84 cfs 2,121 cf

**Pond YD-4: PROPOSED YARD DRAIN #4** Peak Elev=161.94' Inflow=1.27 cfs 3,197 cf
8.0" Round Culvert n=0.013 L=55.0' S=0.0567 '/' Outflow=1.27 cfs 3,197 cf

**Pond YD-5: PROPOSED YARD DRAIN #5** Peak Elev=158.98' Inflow=1.38 cfs 3,434 cf
8.0" Round Culvert n=0.013 L=51.0' S=0.0386 '/' Outflow=1.38 cfs 3,434 cf

**Total Runoff Area = 55,529 sf Runoff Volume = 24,413 cf Average Runoff Depth = 5.28"**
**16.87% Pervious = 9,369 sf 83.13% Impervious = 46,160 sf**

## Summary for Subcatchment DA-1: DA-1

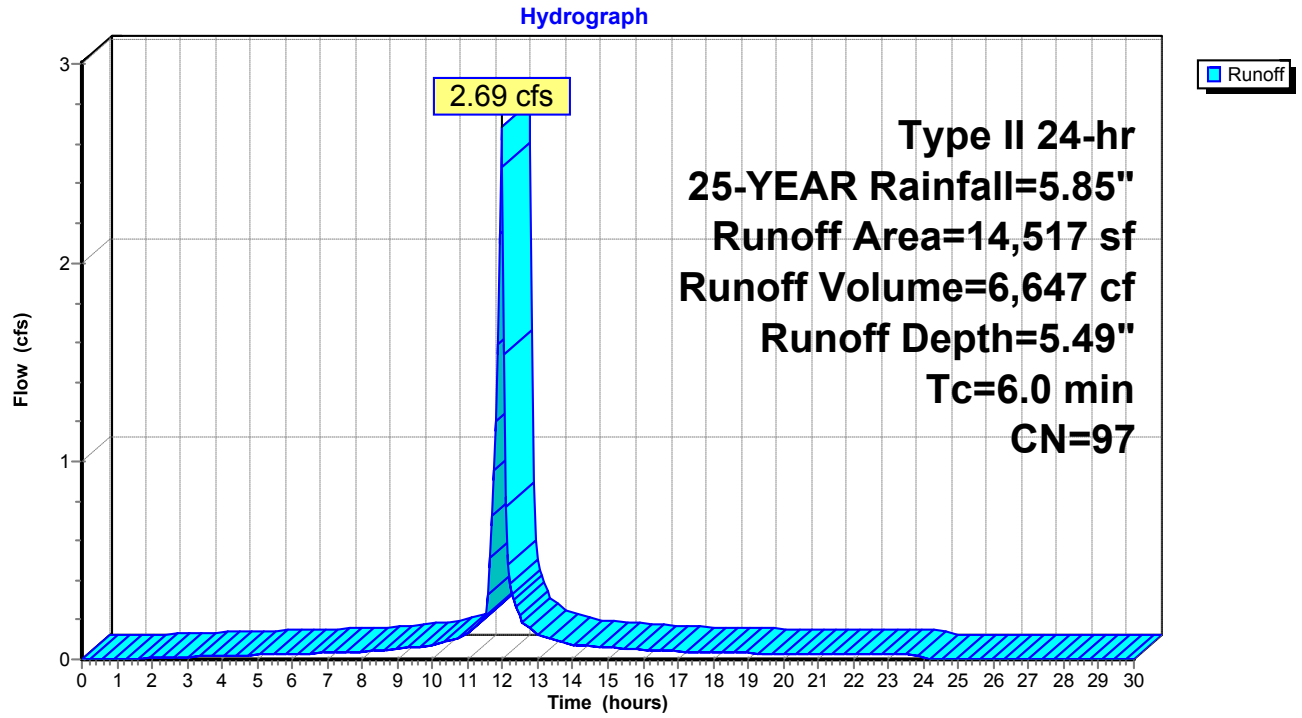
Runoff = 2.69 cfs @ 11.96 hrs, Volume= 6,647 cf, Depth= 5.49"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Type II 24-hr 25-YEAR Rainfall=5.85"

| Area (sf) | CN | Description |
|---|---|---|
| 975 | 80 | >75% Grass cover, Good, HSG D |
| 13,542 | 98 | Paved parking, HSG D |
| 14,517 | 97 | Weighted Average |
| 975 | | 6.72% Pervious Area |
| 13,542 | | 93.28% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 6.0 | | | | | **Direct Entry,** |

### Subcatchment DA-1: DA-1



## Summary for Subcatchment DA-10: DA-10

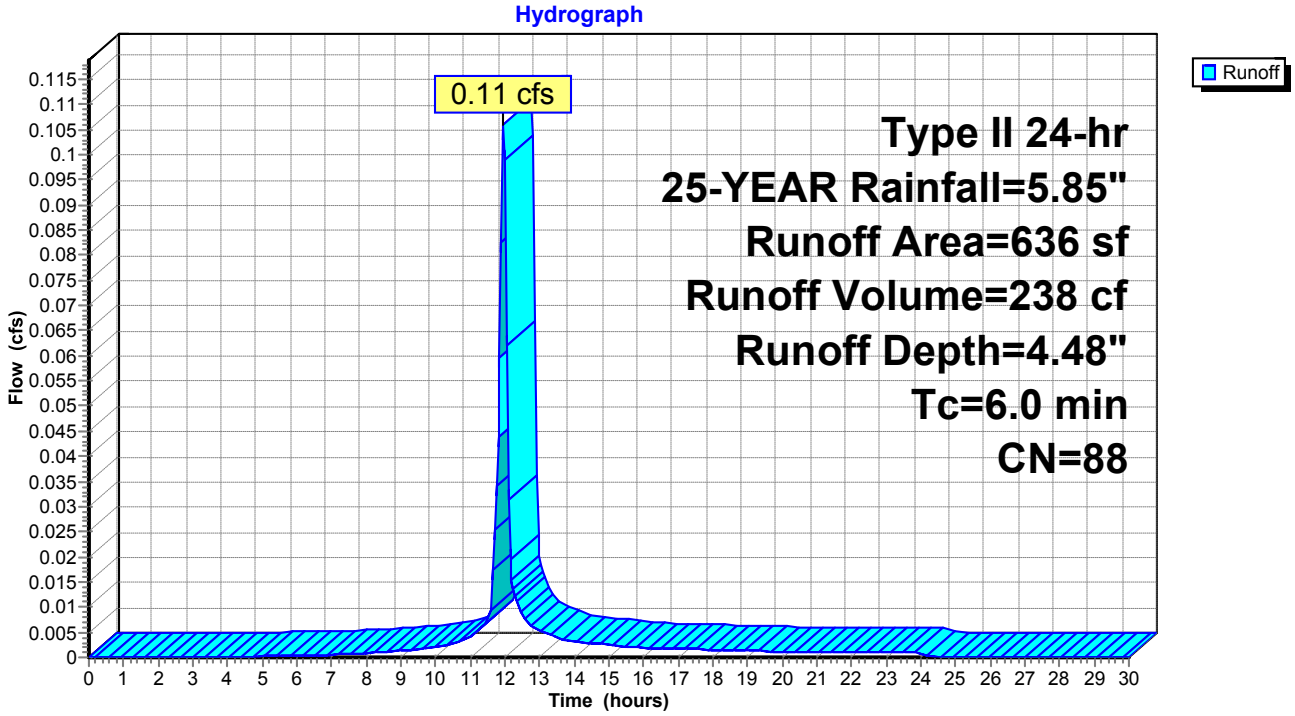
Runoff = 0.11 cfs @ 11.96 hrs, Volume= 238 cf, Depth= 4.48"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Type II 24-hr 25-YEAR Rainfall=5.85"

| Area (sf) | CN | Description |
|---|---|---|
| 348 | 80 | >75% Grass cover, Good, HSG D |
| 288 | 98 | Paved parking, HSG D |
| 636 | 88 | Weighted Average |
| 348 | | 54.72% Pervious Area |
| 288 | | 45.28% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 6.0 | | | | | **Direct Entry,** |

### Subcatchment DA-10: DA-10



## Summary for Subcatchment DA-11: DA-11

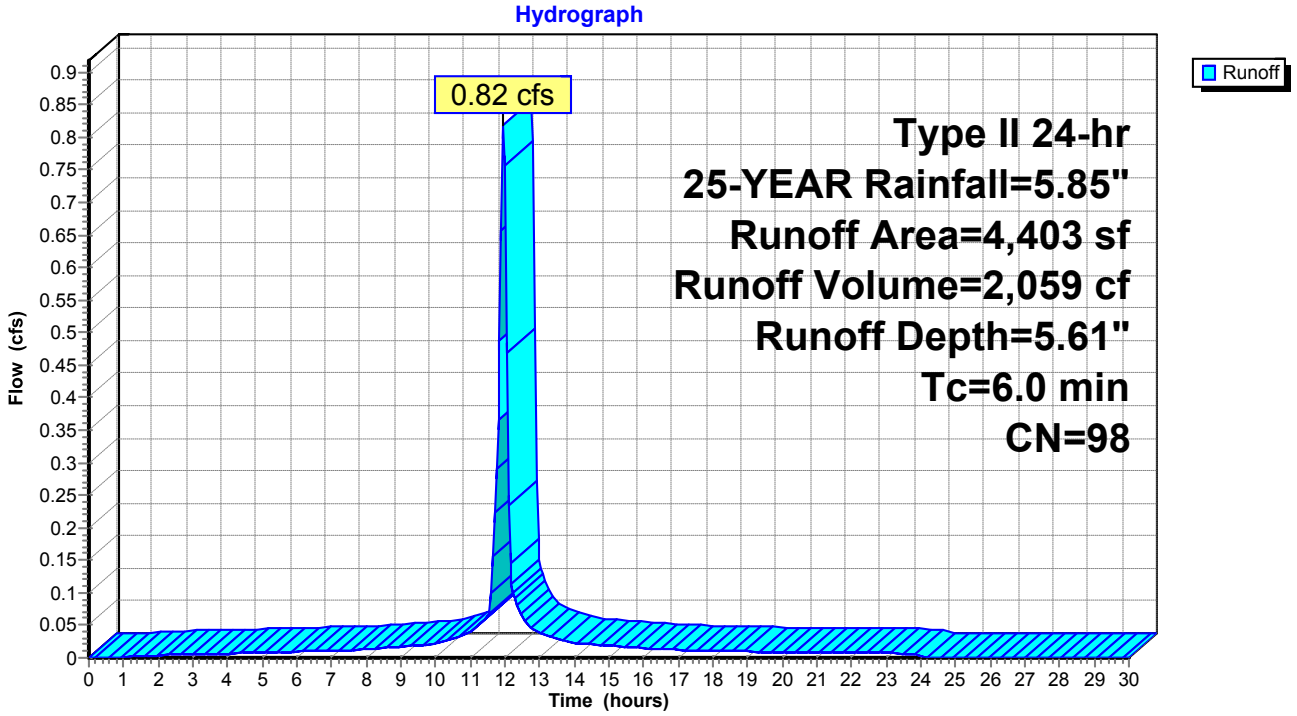
Runoff = 0.82 cfs @ 11.96 hrs, Volume= 2,059 cf, Depth= 5.61"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Type II 24-hr 25-YEAR Rainfall=5.85"

| Area (sf) | CN | Description |
|---|---|---|
| 4,403 | 98 | Roofs, HSG D |
| 4,403 | | 100.00% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 6.0 | | | | | **Direct Entry,** |

## Subcatchment DA-11: DA-11



## Summary for Subcatchment DA-12: DA-12

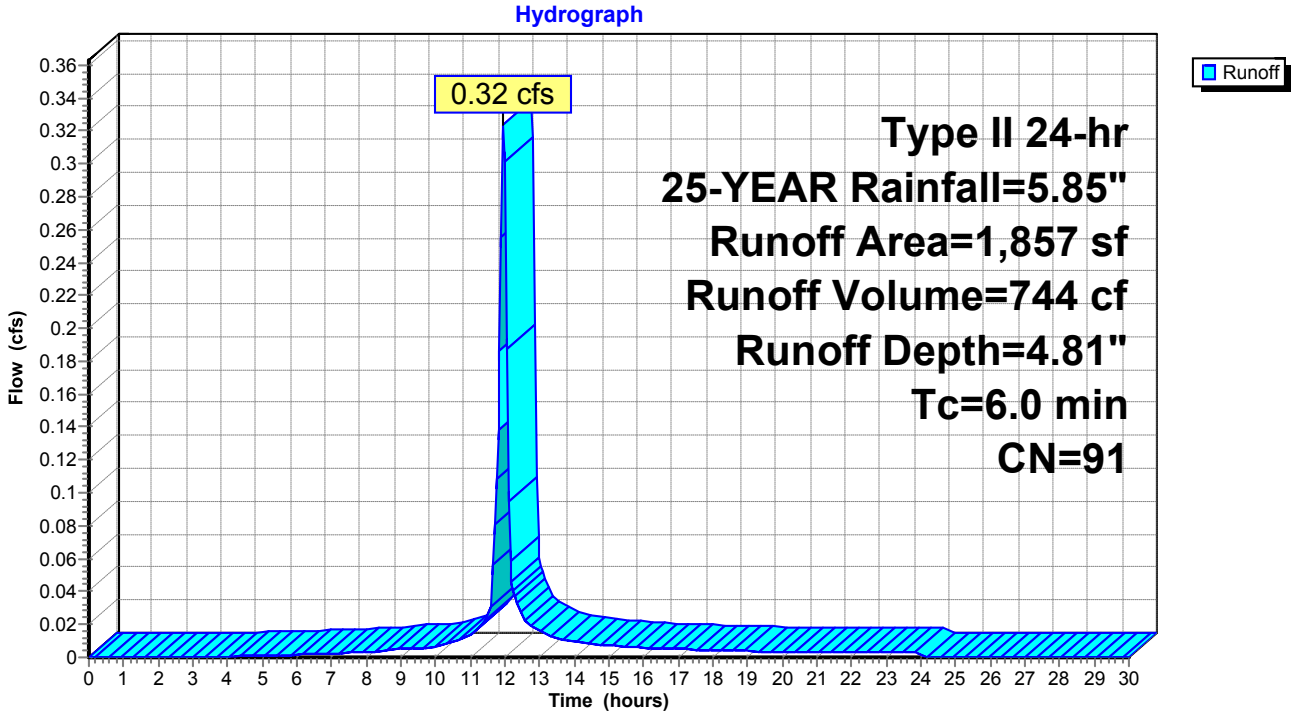
Runoff = 0.32 cfs @ 11.96 hrs, Volume= 744 cf, Depth= 4.81"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Type II 24-hr 25-YEAR Rainfall=5.85"

| Area (sf) | CN | Description |
|---|---|---|
| 709 | 80 | >75% Grass cover, Good, HSG D |
| 1,148 | 98 | Paved parking, HSG D |
| 1,857 | 91 | Weighted Average |
| 709 | | 38.18% Pervious Area |
| 1,148 | | 61.82% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 6.0 | | | | | **Direct Entry,** |

## Subcatchment DA-12: DA-12



## Summary for Subcatchment DA-2: DA-2

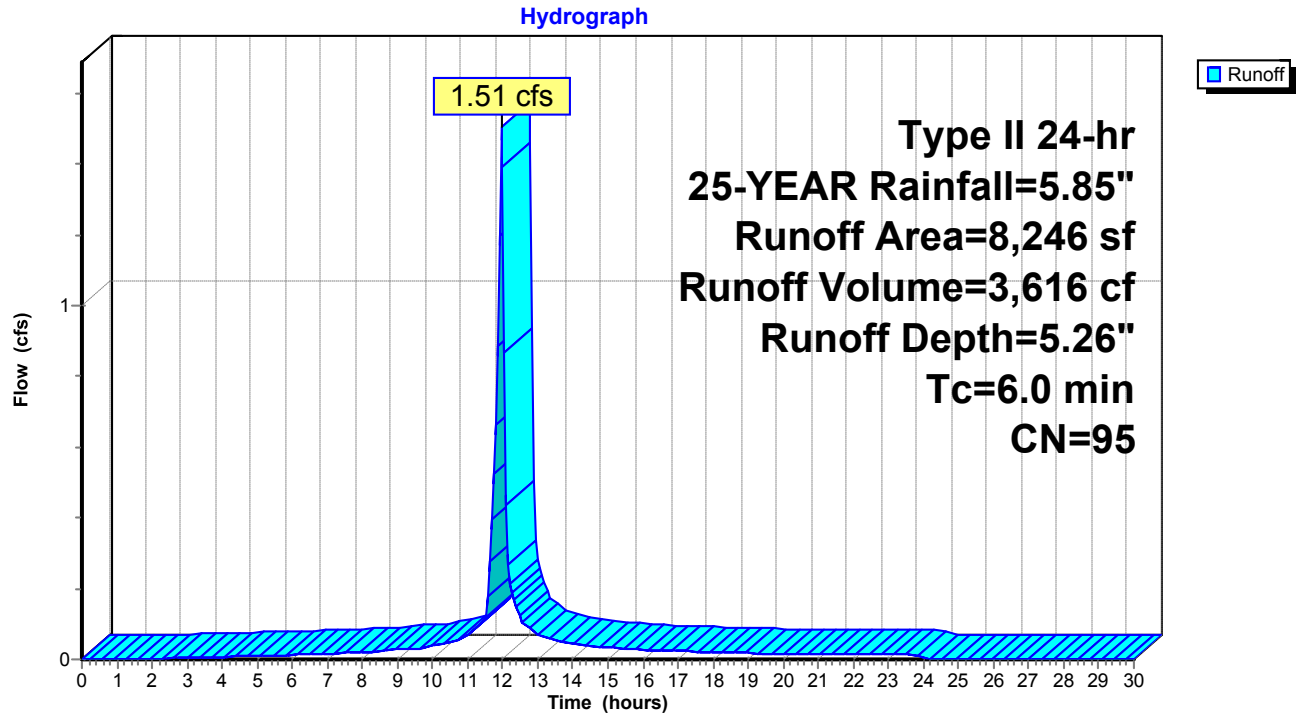
Runoff = 1.51 cfs @ 11.96 hrs, Volume= 3,616 cf, Depth= 5.26"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Type II 24-hr 25-YEAR Rainfall=5.85"

| Area (sf) | CN | Description |
|---|---|---|
| 1,181 | 80 | >75% Grass cover, Good, HSG D |
| 7,065 | 98 | Paved parking, HSG D |
| 8,246 | 95 | Weighted Average |
| 1,181 | | 14.32% Pervious Area |
| 7,065 | | 85.68% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 6.0 | | | | | **Direct Entry,** |

## Subcatchment DA-2: DA-2



## Summary for Subcatchment DA-4: DA-4

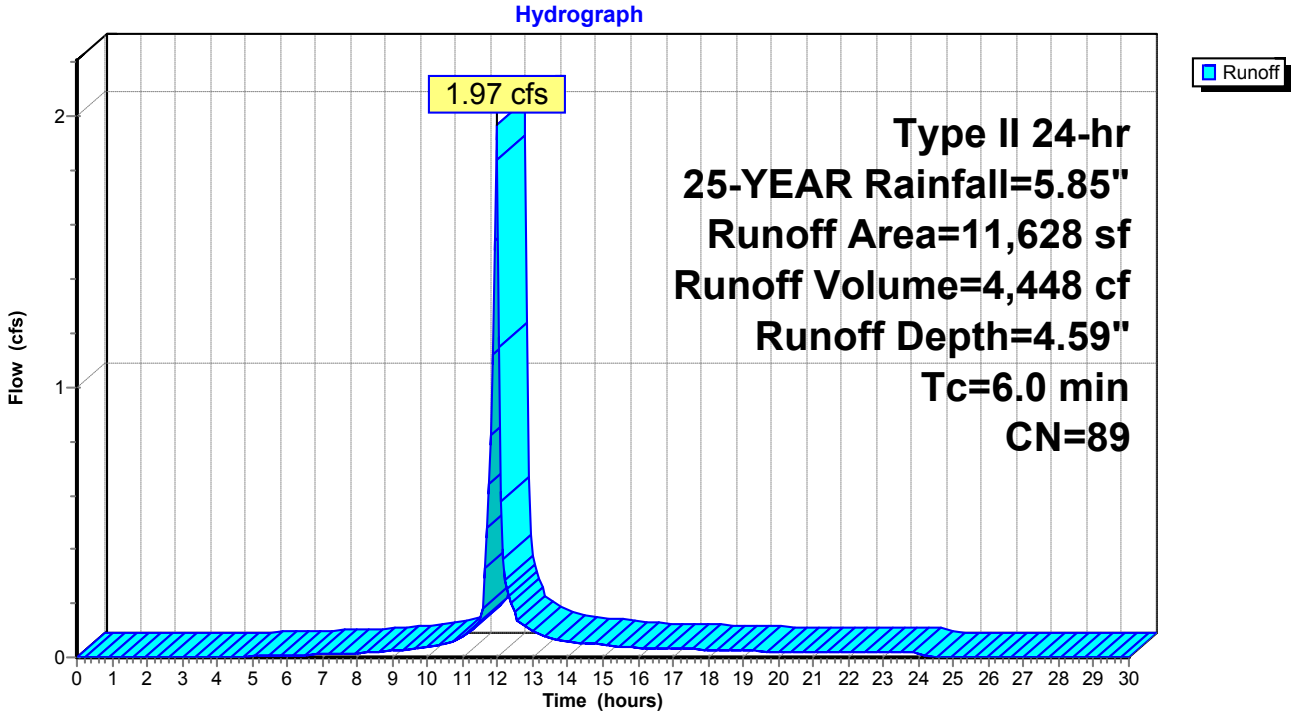
Runoff = 1.97 cfs @ 11.96 hrs, Volume= 4,448 cf, Depth= 4.59"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Type II 24-hr 25-YEAR Rainfall=5.85"

| Area (sf) | CN | Description |
|---|---|---|
| 5,972 | 80 | >75% Grass cover, Good, HSG D |
| 5,656 | 98 | Paved parking, HSG D |
| 11,628 | 89 | Weighted Average |
| 5,972 | | 51.36% Pervious Area |
| 5,656 | | 48.64% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 6.0 | | | | | **Direct Entry,** |

## Subcatchment DA-4: DA-4



## Summary for Subcatchment DA-5: DA-5

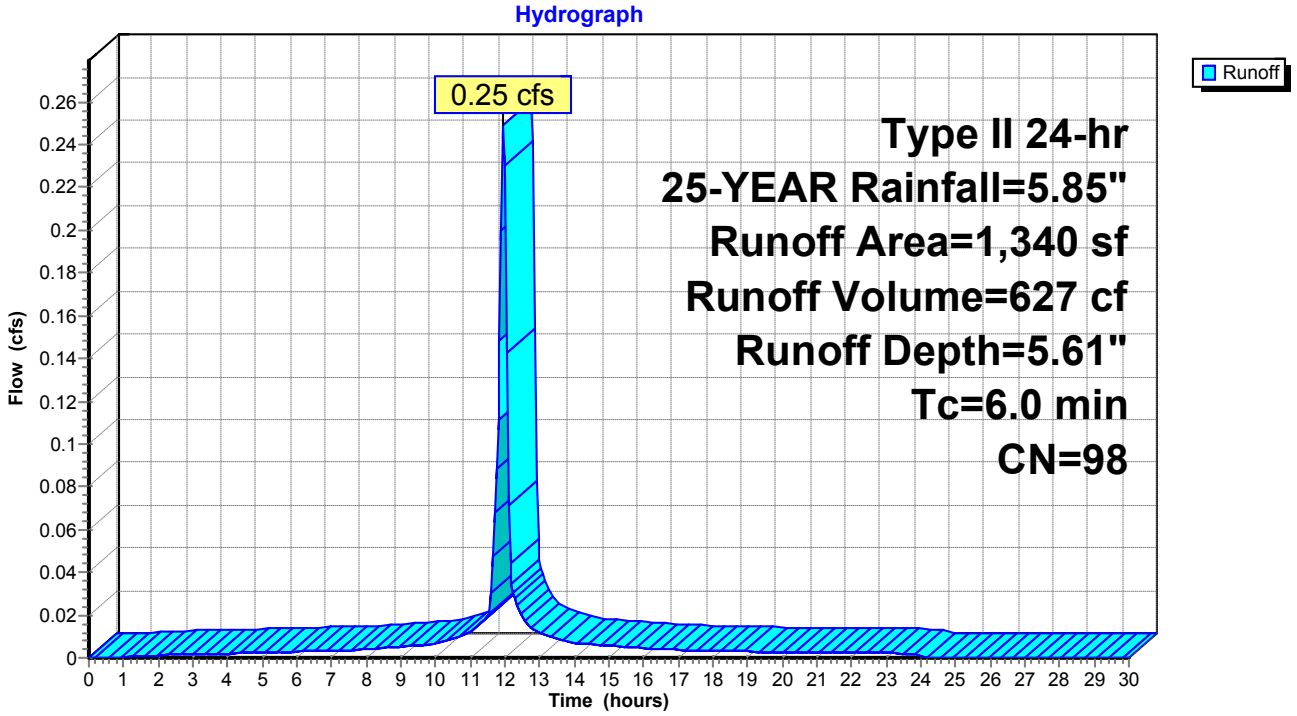
Runoff = 0.25 cfs @ 11.96 hrs, Volume= 627 cf, Depth= 5.61"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Type II 24-hr 25-YEAR Rainfall=5.85"

| Area (sf) | CN | Description |
|---|---|---|
| 1,340 | 98 | Paved parking, HSG D |
| 1,340 | | 100.00% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 6.0 | | | | | **Direct Entry,** |

### Subcatchment DA-5: DA-5



## Summary for Subcatchment DA-6: DA-6

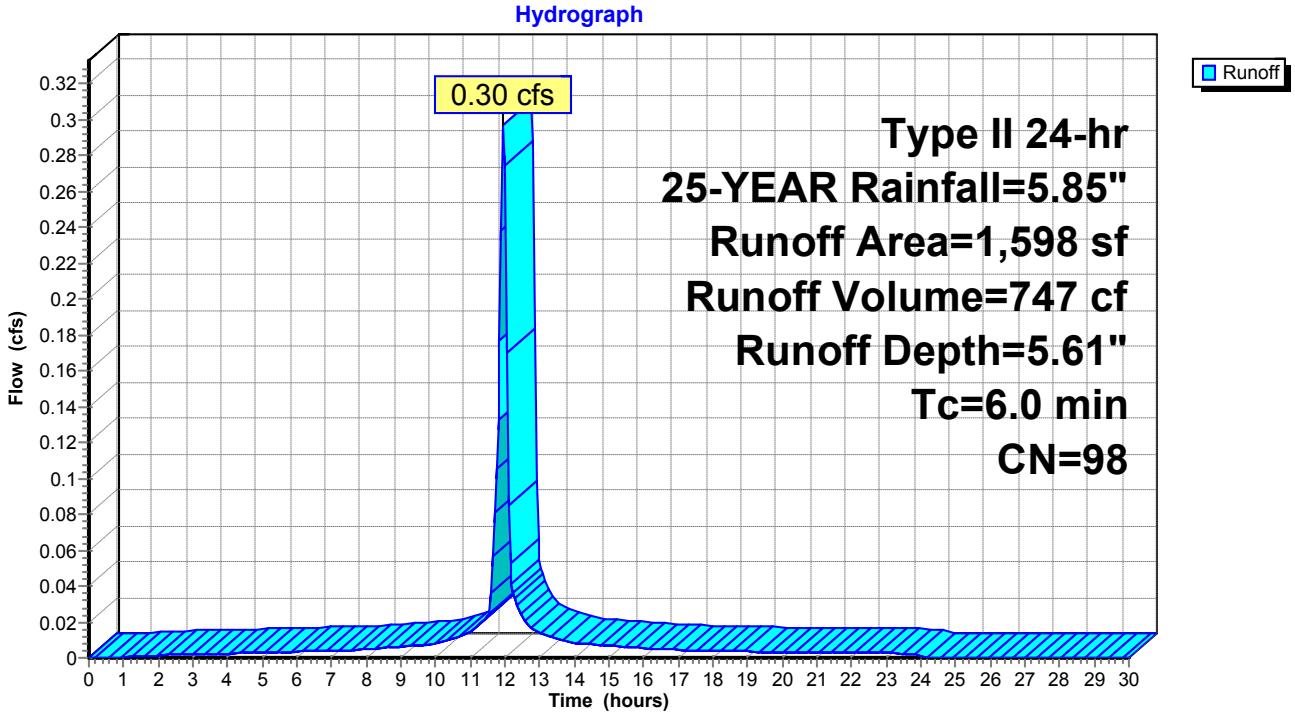
Runoff = 0.30 cfs @ 11.96 hrs, Volume= 747 cf, Depth= 5.61"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Type II 24-hr 25-YEAR Rainfall=5.85"

| Area (sf) | CN | Description |
|---|---|---|
| 1,598 | 98 | Paved parking, HSG D |
| 1,598 | | 100.00% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 6.0 | | | | | **Direct Entry,** |

## Subcatchment DA-6: DA-6



## Summary for Subcatchment DA-7: DA-7

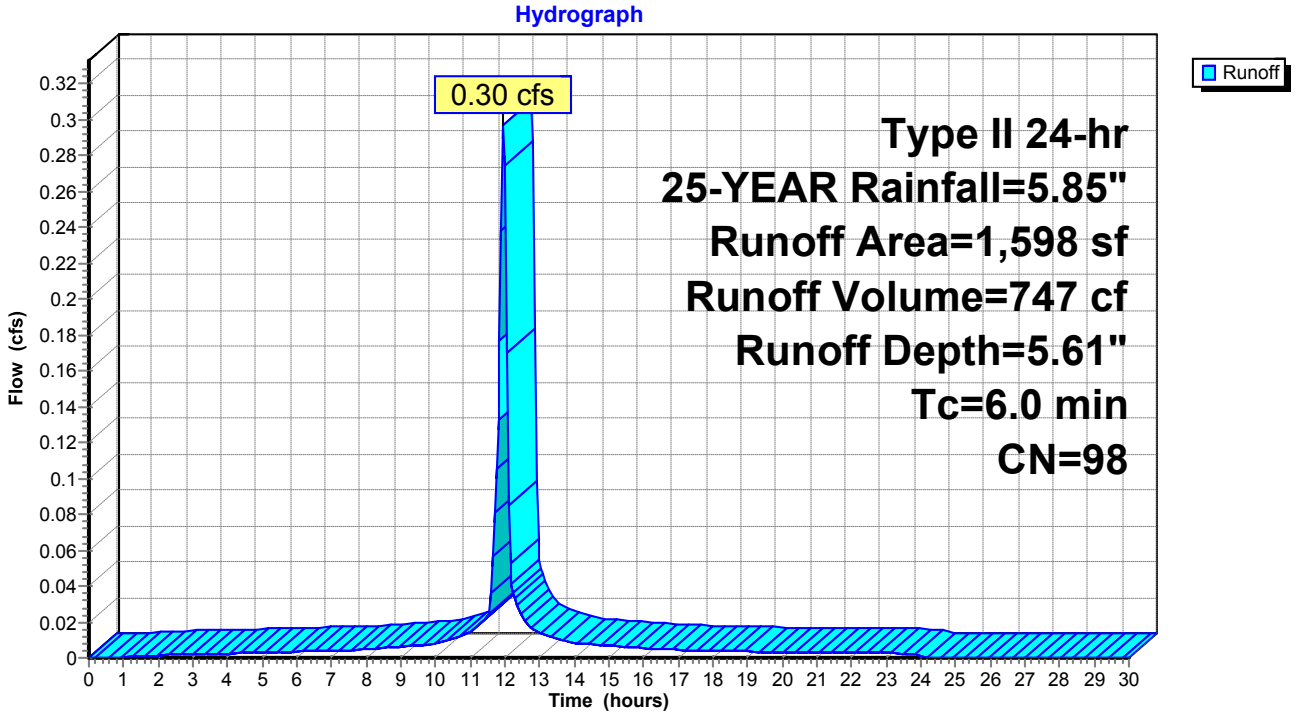
Runoff = 0.30 cfs @ 11.96 hrs, Volume= 747 cf, Depth= 5.61"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Type II 24-hr 25-YEAR Rainfall=5.85"

| Area (sf) | CN | Description |
|---|---|---|
| 1,598 | 98 | Paved parking, HSG D |
| 1,598 | | 100.00% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 6.0 | | | | | **Direct Entry,** |

### Subcatchment DA-7: DA-7



## Summary for Subcatchment DA-8: DA-8

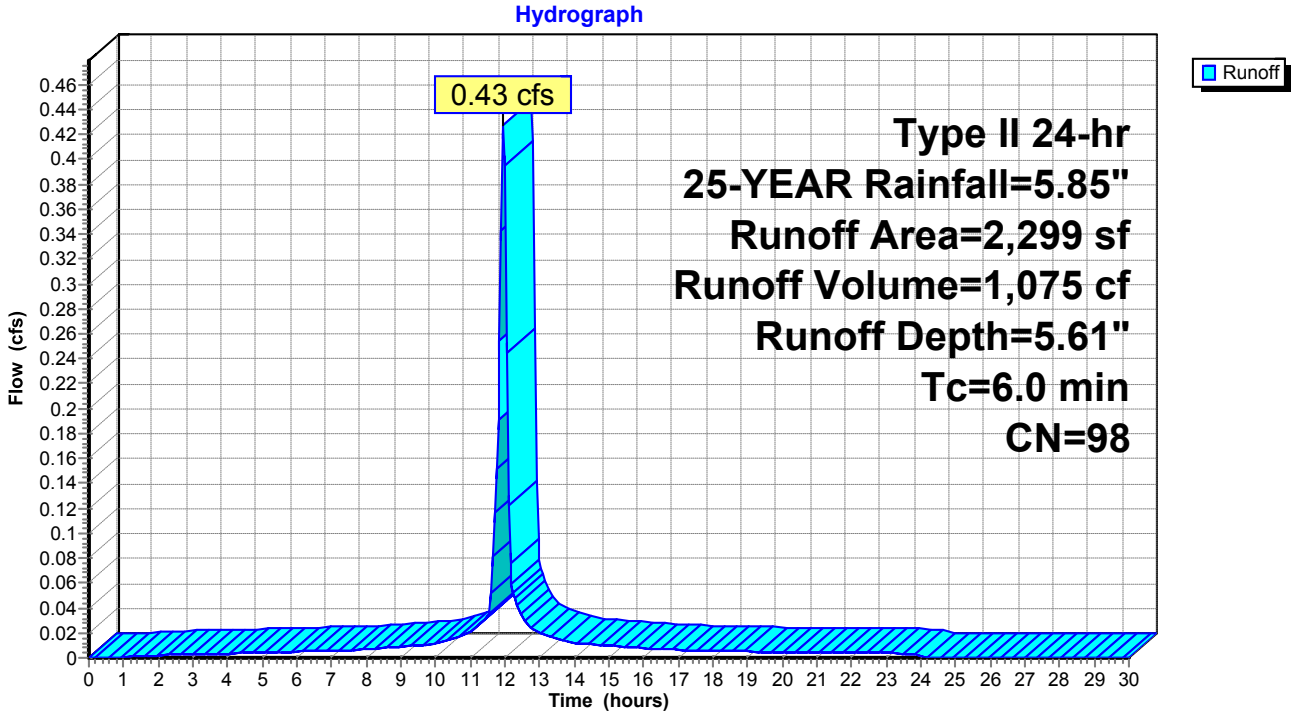
Runoff = 0.43 cfs @ 11.96 hrs, Volume= 1,075 cf, Depth= 5.61"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Type II 24-hr 25-YEAR Rainfall=5.85"

| Area (sf) | CN | Description |
|---|---|---|
| 2,299 | 98 | Paved parking, HSG D |
| 2,299 | | 100.00% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 6.0 | | | | | **Direct Entry,** |

## Subcatchment DA-8: DA-8



## Summary for Subcatchment DA-9: DA-9

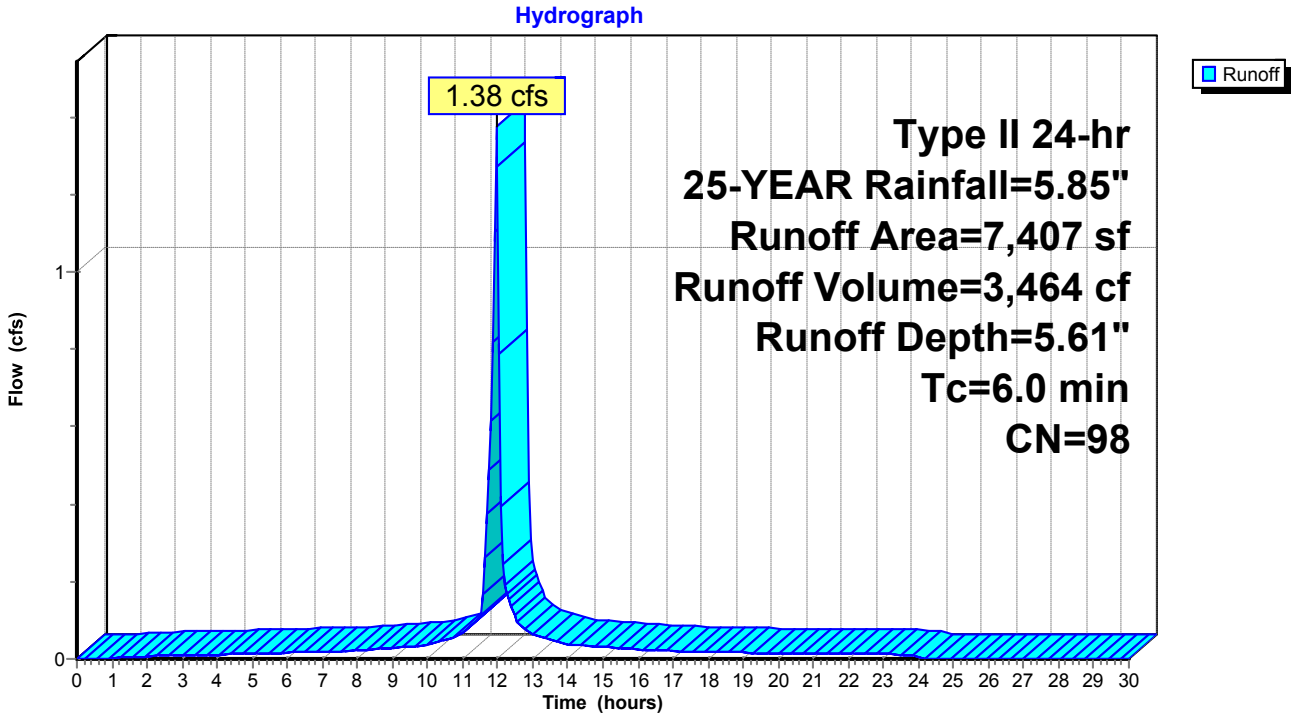
Runoff = 1.38 cfs @ 11.96 hrs, Volume= 3,464 cf, Depth= 5.61"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Type II 24-hr 25-YEAR Rainfall=5.85"

| Area (sf) | CN | Description |
|---|---|---|
| 184 | 80 | >75% Grass cover, Good, HSG D |
| 363 | 98 | Paved parking, HSG D |
| 6,860 | 98 | Roofs, HSG D |
| 7,407 | 98 | Weighted Average |
| 184 | | 2.48% Pervious Area |
| 7,223 | | 97.52% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 6.0 | | | | | **Direct Entry,** |

### Subcatchment DA-9: DA-9



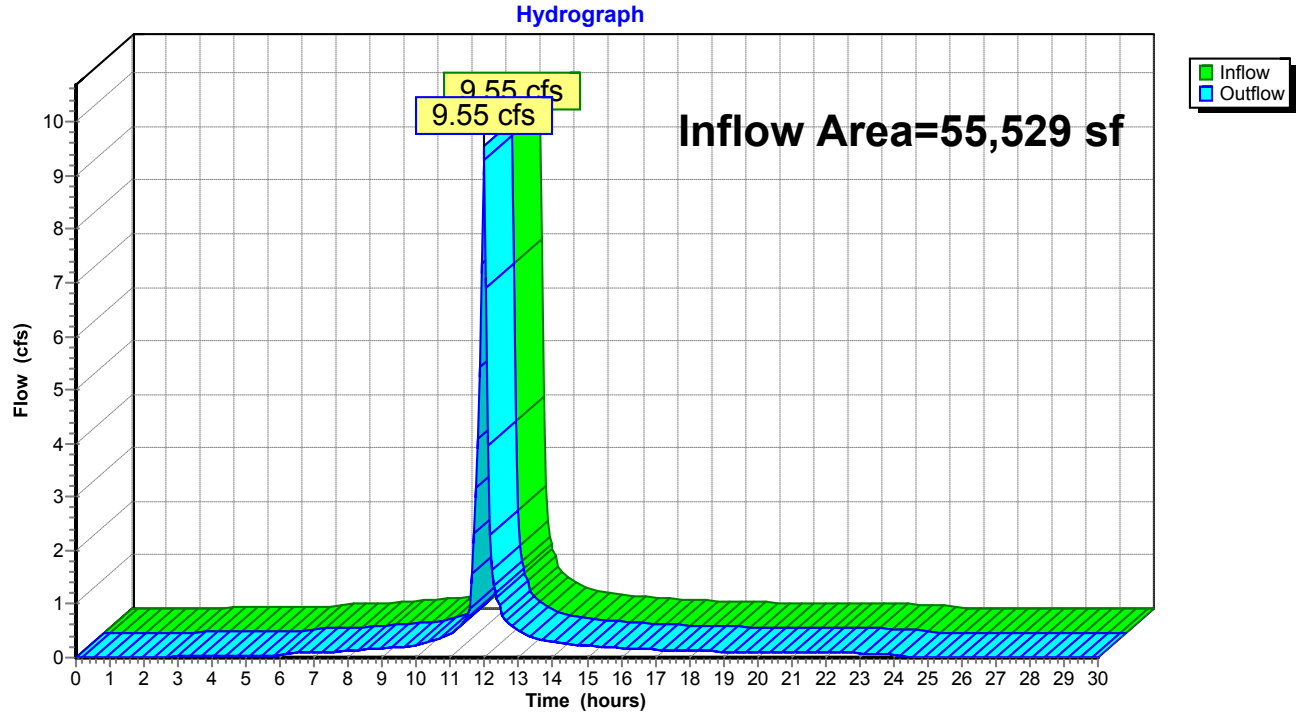
## Summary for Reach DP-1: DP-1

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area = 55,529 sf, 83.13% Impervious, Inflow Depth = 5.10" for 25-YEAR event
Inflow = 9.55 cfs @ 11.98 hrs, Volume= 23,609 cf
Outflow = 9.55 cfs @ 11.98 hrs, Volume= 23,609 cf, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs

### Reach DP-1: DP-1



## Summary for Pond 1P: Underground Infiltration

Inflow Area = 27,166 sf, 92.06% Impervious, Inflow Depth = 5.44" for 25-YEAR event
Inflow = 5.02 cfs @ 11.96 hrs, Volume= 12,322 cf
Outflow = 4.62 cfs @ 12.00 hrs, Volume= 12,040 cf, Atten= 8%, Lag= 2.0 min
Discarded = 0.01 cfs @ 1.95 hrs, Volume= 522 cf
Primary = 4.61 cfs @ 12.00 hrs, Volume= 11,519 cf

Routing by Stor-Ind method, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Peak Elev= 160.55' @ 12.00 hrs Surf.Area= 666 sf Storage= 1,134 cf

Plug-Flow detention time= 44.9 min calculated for 12,040 cf (98% of inflow)
Center-of-Mass det. time= 30.0 min ( 780.9 - 750.9 )

| Volume | Invert | Avail.Storage | Storage Description |
|---|---|---|---|
| #1A | 157.75' | 772 cf | **11.00'W x 60.58'L x 4.00'H Field A**<br>2,665 cf Overall - 735 cf Embedded = 1,930 cf x 40.0% Voids |
| #2A | 158.75' | 735 cf | **ADS_StormTech SC-740 +Cap** x 16 Inside #1<br>Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf<br>Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap<br>2 Rows of 8 Chambers |
| | | 1,507 cf | Total Available Storage |

Storage Group A created with Chamber Wizard

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 158.95' | **15.0" Round Culvert**<br>L= 15.0' CPP, projecting, no headwall, Ke= 0.900<br>Inlet / Outlet Invert= 158.95' / 158.75' S= 0.0133 '/' Cc= 0.900<br>n= 0.013, Flow Area= 1.23 sf |
| #2 | Discarded | 157.75' | **0.330 in/hr Exfiltration over Surface area** |

**Discarded OutFlow** Max=0.01 cfs @ 1.95 hrs HW=157.79' (Free Discharge)
↑**2=Exfiltration** (Exfiltration Controls 0.01 cfs)

**Primary OutFlow** Max=4.57 cfs @ 12.00 hrs HW=160.54' (Free Discharge)
↑**1=Culvert** (Inlet Controls 4.57 cfs @ 3.73 fps)

## Pond 1P: Underground Infiltration - Chamber Wizard Field A

**Chamber Model = ADS_StormTech SC-740 +Cap (ADS StormTech® SC-740 with cap length)**
Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf
Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap

51.0" Wide + 6.0" Spacing = 57.0" C-C Row Spacing

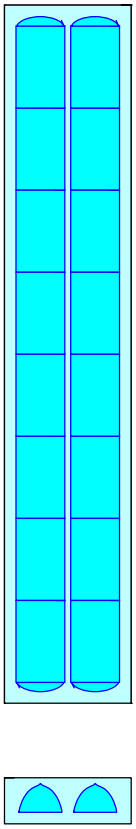
8 Chambers/Row x 7.12' Long +0.81' Cap Length x 2 = 58.58' Row Length +12.0" End Stone x 2 = 60.58' Base Length
2 Rows x 51.0" Wide + 6.0" Spacing x 1 + 12.0" Side Stone x 2 = 11.00' Base Width
12.0" Base + 30.0" Chamber Height + 6.0" Cover = 4.00' Field Height

16 Chambers x 45.9 cf = 735.0 cf Chamber Storage

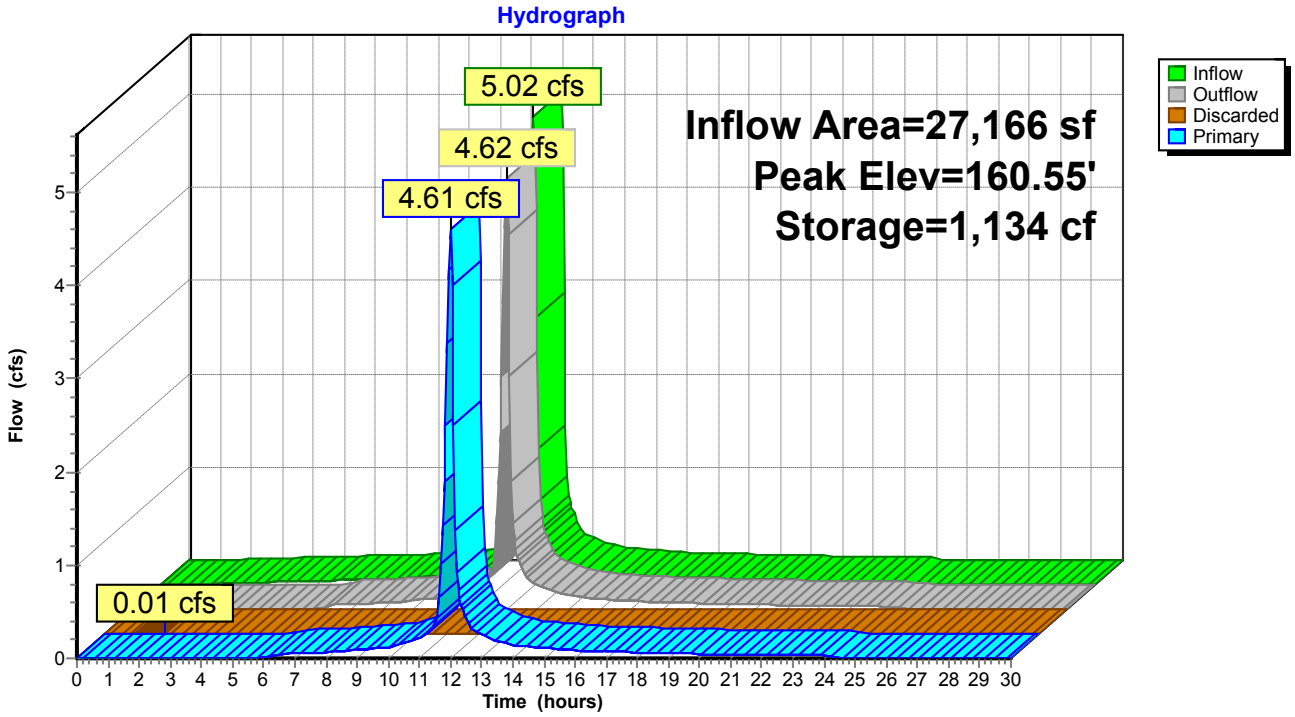
2,665.4 cf Field - 735.0 cf Chambers = 1,930.3 cf Stone x 40.0% Voids = 772.1 cf Stone Storage

Chamber Storage + Stone Storage = 1,507.2 cf = 0.035 af
Overall Storage Efficiency = 56.5%
Overall System Size = 60.58' x 11.00' x 4.00'

16 Chambers
98.7 cy Field
71.5 cy Stone



## Pond 1P: Underground Infiltration



## Summary for Pond CB-3: PROPOSED CATCH BASIN #3

[81] Warning: Exceeded Pond 1P by 3.90' @ 12.00 hrs

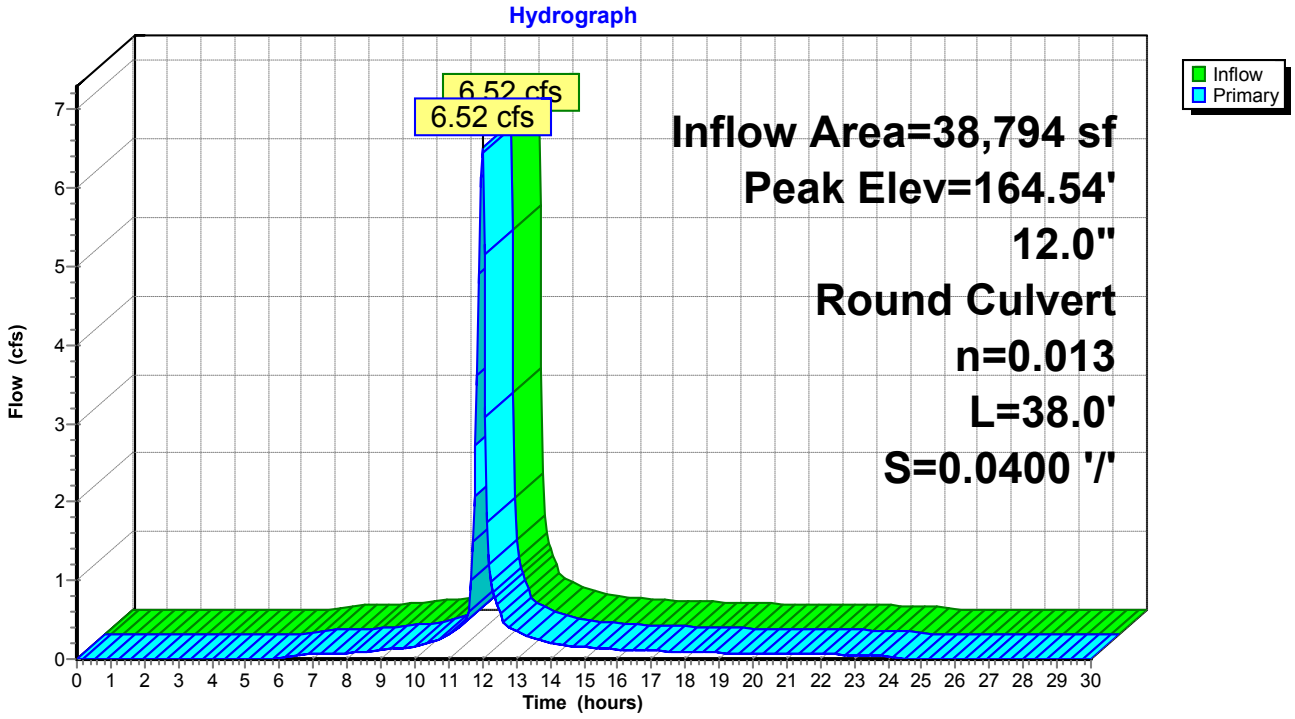
Inflow Area = 38,794 sf, 79.05% Impervious, Inflow Depth = 4.94" for 25-YEAR event
Inflow = 6.52 cfs @ 11.98 hrs, Volume= 15,967 cf
Outflow = 6.52 cfs @ 11.98 hrs, Volume= 15,967 cf, Atten= 0%, Lag= 0.0 min
Primary = 6.52 cfs @ 11.98 hrs, Volume= 15,967 cf

Routing by Stor-Ind method, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Peak Elev= 164.54' @ 11.99 hrs
Flood Elev= 173.90'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 159.29' | **12.0" Round Culvert**<br>L= 38.0' CPP, projecting, no headwall, Ke= 0.900<br>Inlet / Outlet Invert= 159.29' / 157.77' S= 0.0400 '/' Cc= 0.900<br>n= 0.013, Flow Area= 0.79 sf |

**Primary OutFlow** Max=6.35 cfs @ 11.98 hrs HW=164.31' (Free Discharge)
└**1=Culvert** (Inlet Controls 6.35 cfs @ 8.09 fps)

## Pond CB-3: PROPOSED CATCH BASIN #3



## Summary for Pond CB-4: PROPOSED CATCH BASIN #4

[58] Hint: Peaked 0.20' above defined flood level
[79] Warning: Submerged Pond CB-3 Primary device # 1 INLET by 1.90'
[79] Warning: Submerged Pond CB-5 Primary device # 1 INLET by 2.29'

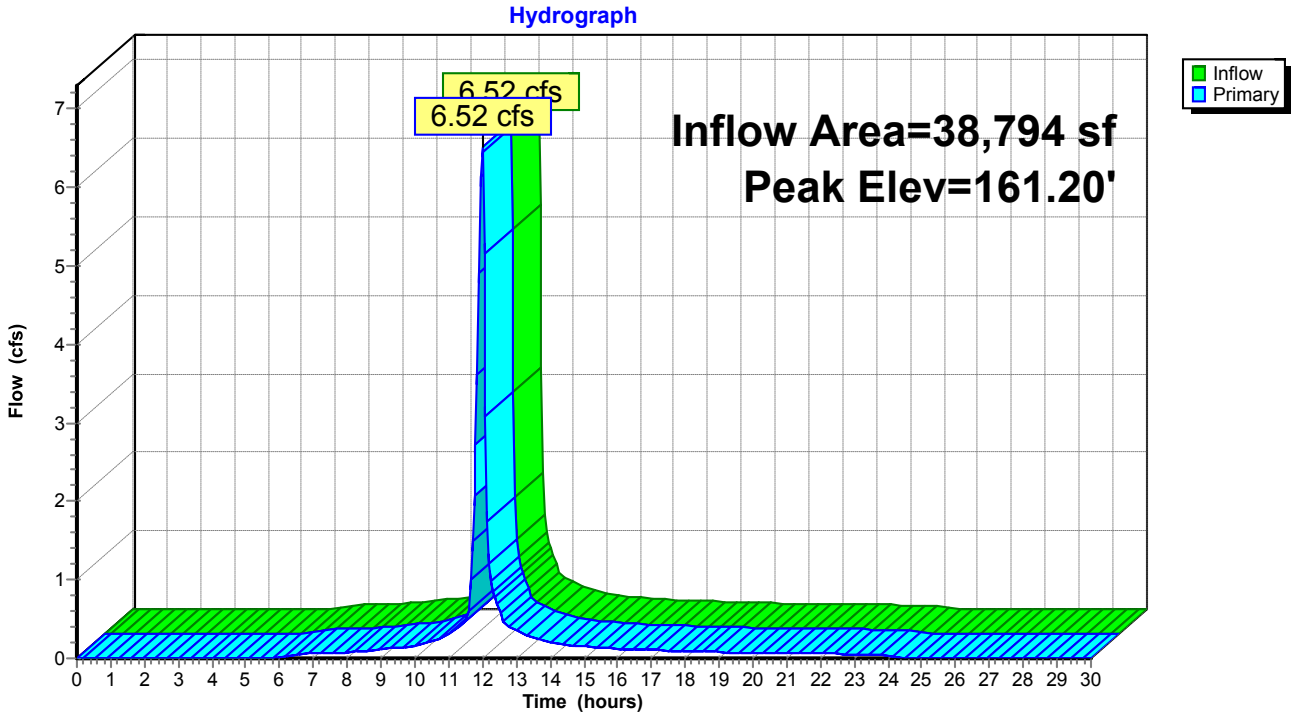
Inflow Area = 38,794 sf, 79.05% Impervious, Inflow Depth = 4.94" for 25-YEAR event
Inflow = 6.52 cfs @ 11.98 hrs, Volume= 15,967 cf
Outflow = 6.52 cfs @ 11.98 hrs, Volume= 15,967 cf, Atten= 0%, Lag= 0.0 min
Primary = 6.52 cfs @ 11.98 hrs, Volume= 15,967 cf

Routing by Stor-Ind method, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Peak Elev= 161.20' @ 11.98 hrs
Flood Elev= 161.00'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 157.77' | **12.0" Round Culvert**<br>L= 30.0' CPP, projecting, no headwall, Ke= 0.900<br>Inlet / Outlet Invert= 157.77' / 157.47' S= 0.0100 '/' Cc= 0.900<br>n= 0.013, Flow Area= 0.79 sf |
| #2 | Primary | 160.87' | **3.0' long x 3.0' breadth Broad-Crested Rectangular Weir**<br>Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50<br>Coef. (English) 2.44 2.58 2.68 2.67 2.65 2.64 2.64 2.68 2.68 2.72 2.81 2.92 2.97 3.07 3.32 |

**Primary OutFlow** Max=6.34 cfs @ 11.98 hrs HW=161.17' (Free Discharge)
└**1=Culvert** (Inlet Controls 5.09 cfs @ 6.48 fps)
└**2=Broad-Crested Rectangular Weir** (Weir Controls 1.26 cfs @ 1.38 fps)

## Pond CB-4: PROPOSED CATCH BASIN #4



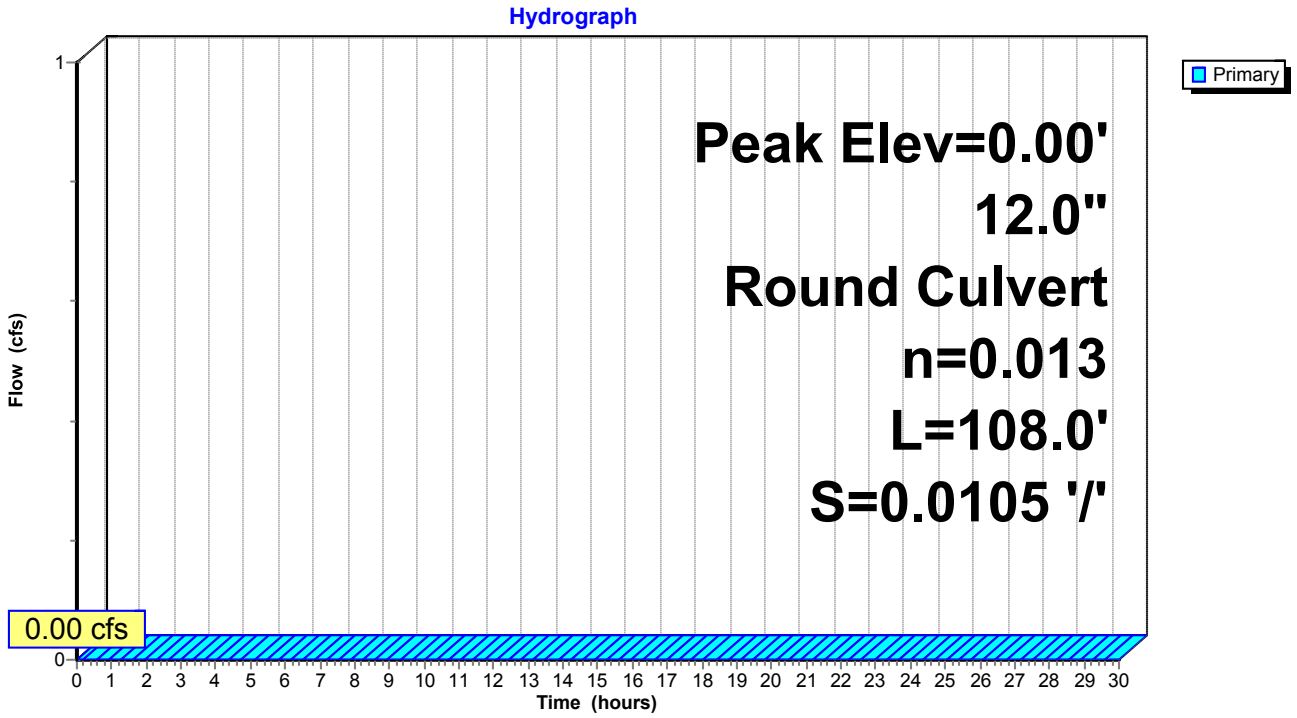
## Summary for Pond CB-5: PROPOSED CATCH BASIN #5

[43] Hint: Has no inflow (Outflow=Zero)

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 158.90' | **12.0" Round Culvert**<br>L= 108.0' CPP, projecting, no headwall, Ke= 0.900<br>Inlet / Outlet Invert= 158.90' / 157.77' S= 0.0105 '/' Cc= 0.900<br>n= 0.013, Flow Area= 0.79 sf |

**Primary OutFlow** Max=0.00 cfs @ 0.00 hrs HW=0.00' (Free Discharge)
**1=Culvert** ( Controls 0.00 cfs)

## Pond CB-5: PROPOSED CATCH BASIN #5



## Summary for Pond CB-6: PROPOSED CATCH BASIN #6

[58] Hint: Peaked 0.45' above defined flood level
[81] Warning: Exceeded Pond CB-4 by 0.44' @ 11.85 hrs

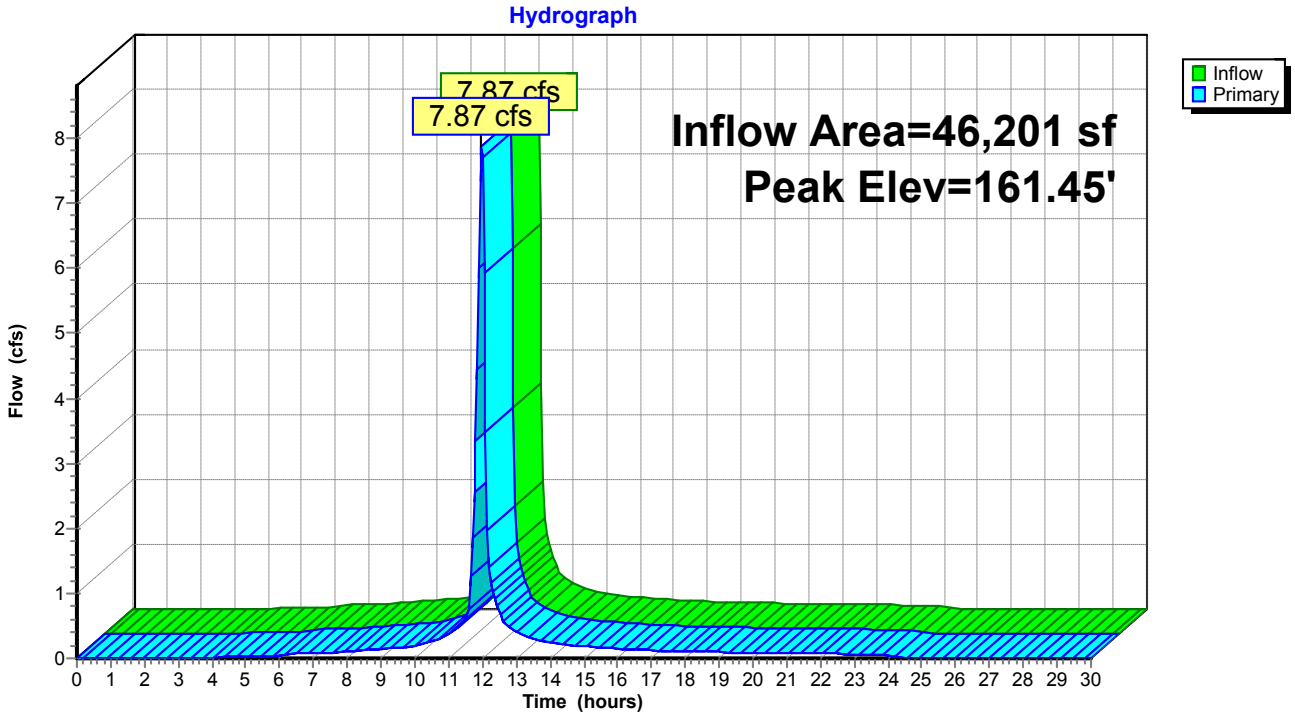
Inflow Area = 46,201 sf, 82.01% Impervious, Inflow Depth = 5.05" for 25-YEAR event
Inflow = 7.87 cfs @ 11.98 hrs, Volume= 19,431 cf
Outflow = 7.87 cfs @ 11.98 hrs, Volume= 19,431 cf, Atten= 0%, Lag= 0.0 min
Primary = 7.87 cfs @ 11.98 hrs, Volume= 19,431 cf

Routing by Stor-Ind method, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Peak Elev= 161.45' @ 11.98 hrs
Flood Elev= 161.00'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 157.47' | **12.0" Round Culvert**<br>L= 49.0' CPP, projecting, no headwall, Ke= 0.900<br>Inlet / Outlet Invert= 157.47' / 155.60' S= 0.0382 '/' Cc= 0.900<br>n= 0.013, Flow Area= 0.79 sf |
| #2 | Primary | 161.00' | **3.0' long x 3.0' breadth Broad-Crested Rectangular Weir**<br>Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50<br>Coef. (English) 2.44 2.58 2.68 2.67 2.65 2.64 2.64 2.68 2.68 2.72 2.81 2.92 2.97 3.07 3.32 |

**Primary OutFlow** Max=7.63 cfs @ 11.98 hrs HW=161.42' (Free Discharge)
└**1=Culvert** (Inlet Controls 5.54 cfs @ 7.06 fps)
└**2=Broad-Crested Rectangular Weir** (Weir Controls 2.09 cfs @ 1.67 fps)

## Pond CB-6: PROPOSED CATCH BASIN #6



## Summary for Pond EX-CB: EXISTING CATCH BASIN

[58] Hint: Peaked 0.39' above defined flood level
[79] Warning: Submerged Pond CB-6 Primary device # 1 INLET by 0.75'
[79] Warning: Submerged Pond YD-5 Primary device # 1 INLET by 0.65'

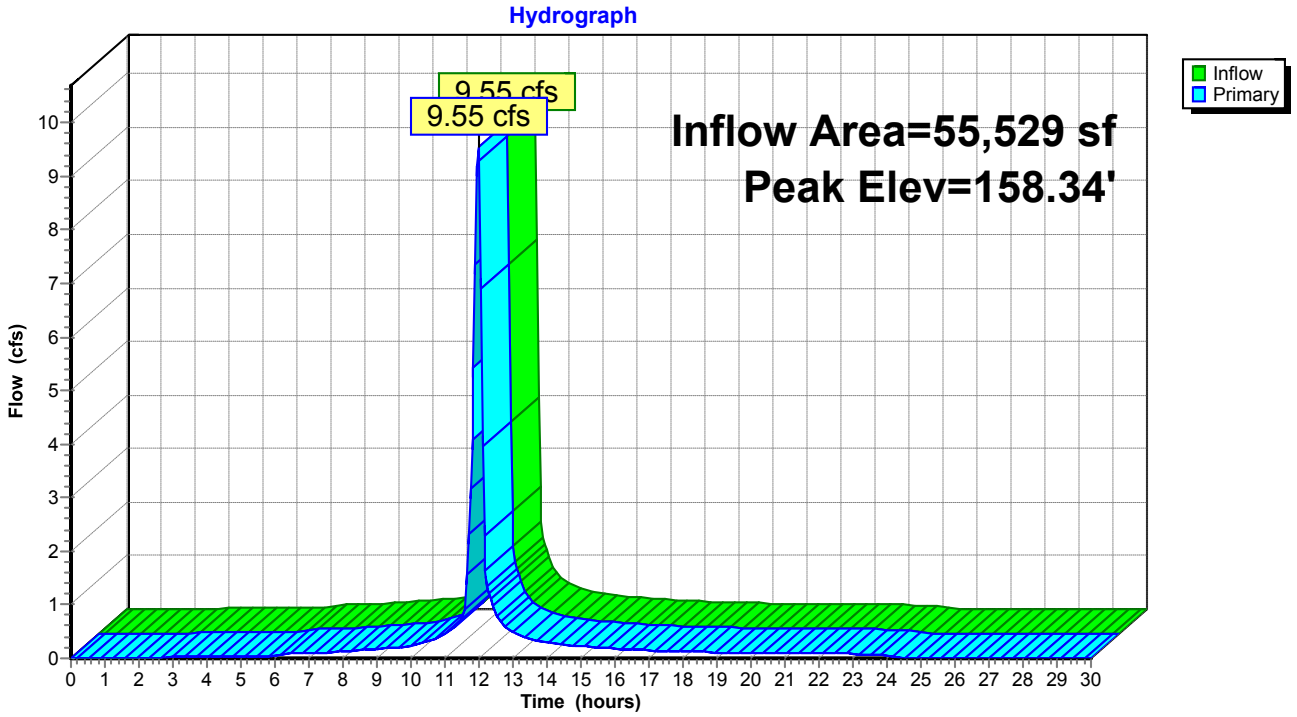
Inflow Area = 55,529 sf, 83.13% Impervious, Inflow Depth = 5.10" for 25-YEAR event
Inflow = 9.55 cfs @ 11.98 hrs, Volume= 23,609 cf
Outflow = 9.55 cfs @ 11.98 hrs, Volume= 23,609 cf, Atten= 0%, Lag= 0.0 min
Primary = 9.55 cfs @ 11.98 hrs, Volume= 23,609 cf

Routing by Stor-Ind method, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Peak Elev= 158.34' @ 11.98 hrs
Flood Elev= 157.95'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 154.40' | **15.0" Round Culvert**<br>L= 26.0' CPP, projecting, no headwall, Ke= 0.900<br>Inlet / Outlet Invert= 154.40' / 153.50' S= 0.0346 '/' Cc= 0.900<br>n= 0.013, Flow Area= 1.23 sf |
| #2 | Primary | 157.97' | **3.0' long x 3.0' breadth Broad-Crested Rectangular Weir**<br>Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50<br>Coef. (English) 2.44 2.58 2.68 2.67 2.65 2.64 2.64 2.68 2.68 2.72 2.81 2.92 2.97 3.07 3.32 |

**Primary OutFlow** Max=9.24 cfs @ 11.98 hrs HW=158.22' (Free Discharge)
**1=Culvert** (Inlet Controls 8.33 cfs @ 6.79 fps)
**2=Broad-Crested Rectangular Weir** (Weir Controls 0.91 cfs @ 1.23 fps)

## Pond EX-CB: EXISTING CATCH BASIN



## Summary for Pond YD-1: PROPOSED YARD DRAIN #1

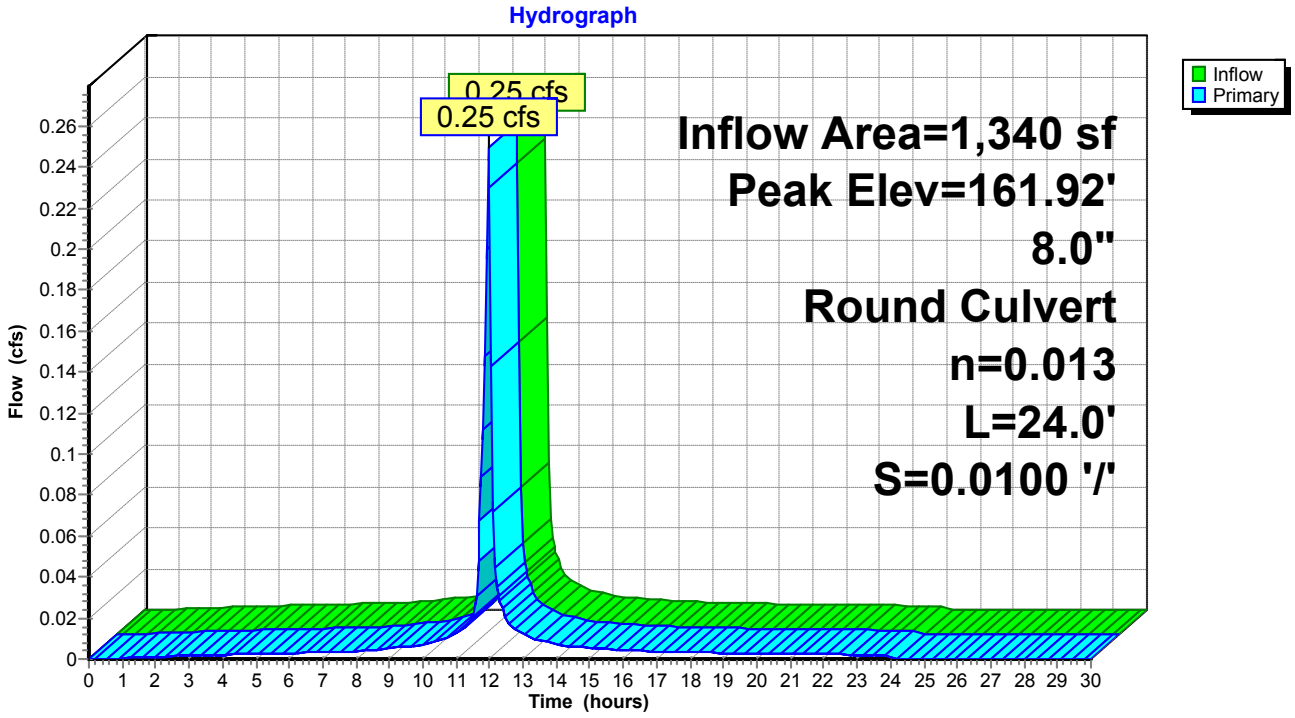
Inflow Area = 1,340 sf,100.00% Impervious, Inflow Depth = 5.61" for 25-YEAR event
Inflow = 0.25 cfs @ 11.96 hrs, Volume= 627 cf
Outflow = 0.25 cfs @ 11.96 hrs, Volume= 627 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.25 cfs @ 11.96 hrs, Volume= 627 cf

Routing by Stor-Ind method, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Peak Elev= 161.92' @ 11.96 hrs
Flood Elev= 164.10'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 161.60' | **8.0" Round Culvert**<br>L= 24.0' CPP, projecting, no headwall, Ke= 0.900<br>Inlet / Outlet Invert= 161.60' / 161.36' S= 0.0100 '/' Cc= 0.900<br>n= 0.013, Flow Area= 0.35 sf |

**Primary OutFlow** Max=0.24 cfs @ 11.96 hrs HW=161.91' (Free Discharge)
**1=Culvert** (Inlet Controls 0.24 cfs @ 1.51 fps)

## Pond YD-1: PROPOSED YARD DRAIN #1



## Summary for Pond YD-2: PROPOSED YARD DRAIN #2

[79] Warning: Submerged Pond YD-1 Primary device # 1 INLET by 0.27'

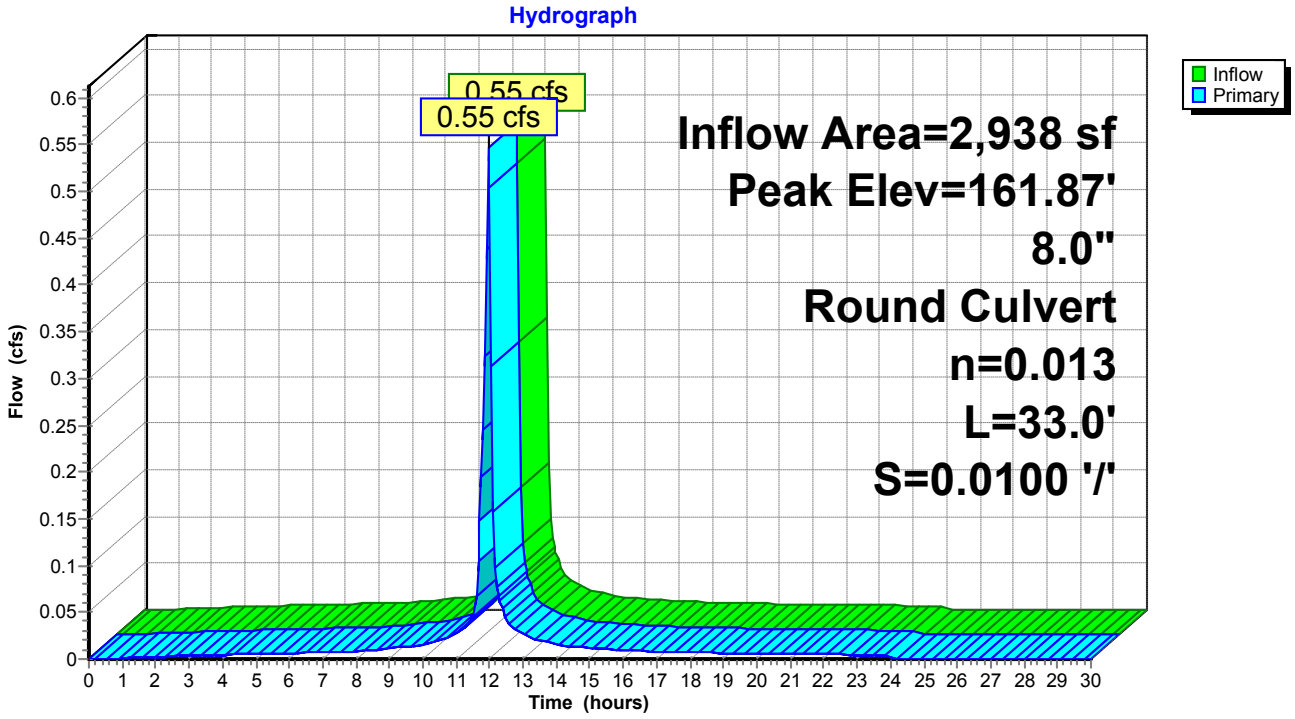
Inflow Area = 2,938 sf,100.00% Impervious, Inflow Depth = 5.61" for 25-YEAR event
Inflow = 0.55 cfs @ 11.96 hrs, Volume= 1,374 cf
Outflow = 0.55 cfs @ 11.96 hrs, Volume= 1,374 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.55 cfs @ 11.96 hrs, Volume= 1,374 cf

Routing by Stor-Ind method, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Peak Elev= 161.87' @ 11.96 hrs
Flood Elev= 164.10'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 161.36' | **8.0" Round Culvert**<br>L= 33.0' CPP, projecting, no headwall, Ke= 0.900<br>Inlet / Outlet Invert= 161.36' / 161.03' S= 0.0100 '/' Cc= 0.900<br>n= 0.013, Flow Area= 0.35 sf |

**Primary OutFlow** Max=0.53 cfs @ 11.96 hrs HW=161.86' (Free Discharge)
└**1=Culvert** (Inlet Controls 0.53 cfs @ 1.90 fps)

## Pond YD-2: PROPOSED YARD DRAIN #2



## Summary for Pond YD-3: PROPOSED YARD DRAIN #3

[79] Warning: Submerged Pond YD-2 Primary device # 1 INLET by 0.40'

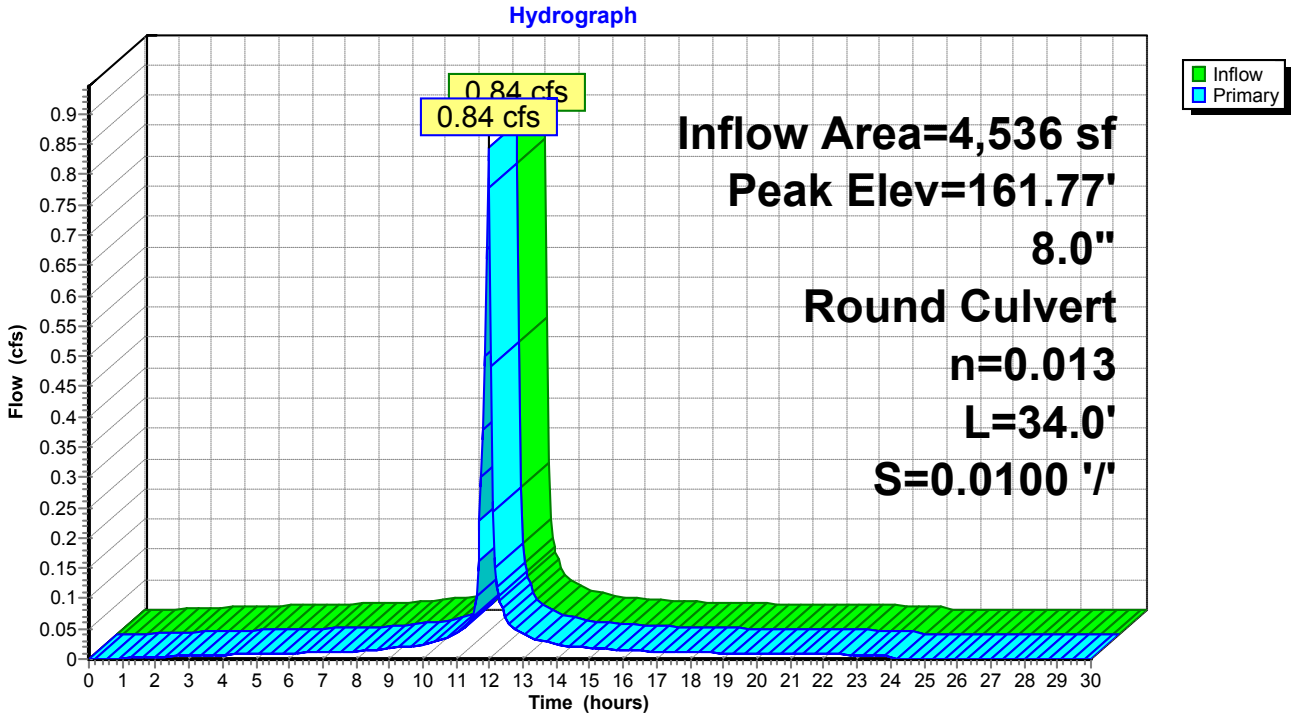
Inflow Area = 4,536 sf,100.00% Impervious, Inflow Depth = 5.61" for 25-YEAR event
Inflow = 0.84 cfs @ 11.96 hrs, Volume= 2,121 cf
Outflow = 0.84 cfs @ 11.96 hrs, Volume= 2,121 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.84 cfs @ 11.96 hrs, Volume= 2,121 cf

Routing by Stor-Ind method, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Peak Elev= 161.77' @ 11.96 hrs
Flood Elev= 164.10'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 161.03' | **8.0" Round Culvert**<br>L= 34.0' CPP, projecting, no headwall, Ke= 0.900<br>Inlet / Outlet Invert= 161.03' / 160.69' S= 0.0100 '/' Cc= 0.900<br>n= 0.013, Flow Area= 0.35 sf |

**Primary OutFlow** Max=0.83 cfs @ 11.96 hrs HW=161.75' (Free Discharge)
**1=Culvert** (Inlet Controls 0.83 cfs @ 2.36 fps)

## Pond YD-3: PROPOSED YARD DRAIN #3



## Summary for Pond YD-4: PROPOSED YARD DRAIN #4

[81] Warning: Exceeded Pond YD-3 by 0.17' @ 11.95 hrs

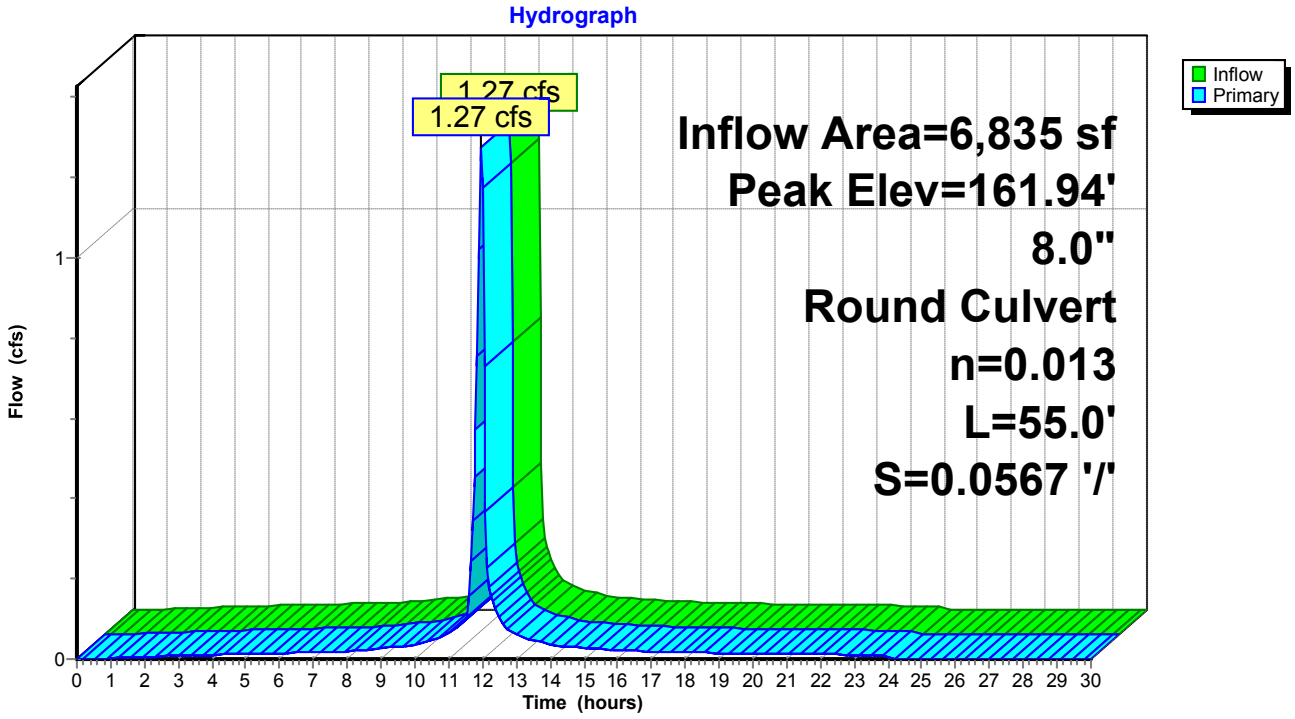
Inflow Area = 6,835 sf,100.00% Impervious, Inflow Depth = 5.61" for 25-YEAR event
Inflow = 1.27 cfs @ 11.96 hrs, Volume= 3,197 cf
Outflow = 1.27 cfs @ 11.96 hrs, Volume= 3,197 cf, Atten= 0%, Lag= 0.0 min
Primary = 1.27 cfs @ 11.96 hrs, Volume= 3,197 cf

Routing by Stor-Ind method, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Peak Elev= 161.94' @ 11.96 hrs
Flood Elev= 164.10'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 160.69' | **8.0" Round Culvert**<br>L= 55.0' CPP, projecting, no headwall, Ke= 0.900<br>Inlet / Outlet Invert= 160.69' / 157.57' S= 0.0567 '/' Cc= 0.900<br>n= 0.013, Flow Area= 0.35 sf |

**Primary OutFlow** Max=1.24 cfs @ 11.96 hrs HW=161.90' (Free Discharge)
└**1=Culvert** (Inlet Controls 1.24 cfs @ 3.56 fps)

## Pond YD-4: PROPOSED YARD DRAIN #4



## Summary for Pond YD-5: PROPOSED YARD DRAIN #5

[79] Warning: Submerged Pond YD-4 Primary device # 1 OUTLET by 1.40'

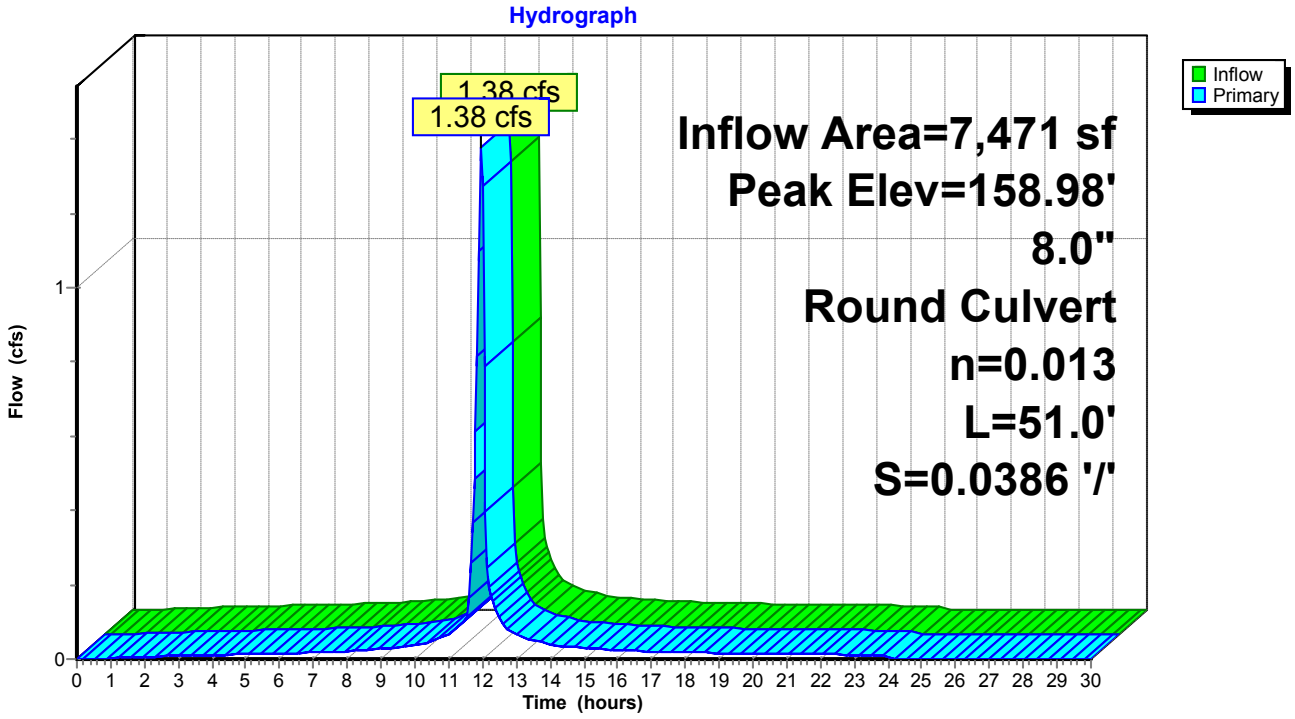
Inflow Area = 7,471 sf, 95.34% Impervious, Inflow Depth = 5.52" for 25-YEAR event
Inflow = 1.38 cfs @ 11.96 hrs, Volume= 3,434 cf
Outflow = 1.38 cfs @ 11.96 hrs, Volume= 3,434 cf, Atten= 0%, Lag= 0.0 min
Primary = 1.38 cfs @ 11.96 hrs, Volume= 3,434 cf

Routing by Stor-Ind method, Time Span= 0.00-30.00 hrs, dt= 0.05 hrs
Peak Elev= 158.98' @ 11.96 hrs
Flood Elev= 160.20'

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 157.57' | **8.0" Round Culvert**<br>L= 51.0' CPP, projecting, no headwall, Ke= 0.900<br>Inlet / Outlet Invert= 157.57' / 155.60' S= 0.0386 '/' Cc= 0.900<br>n= 0.013, Flow Area= 0.35 sf |

**Primary OutFlow** Max=1.35 cfs @ 11.96 hrs HW=158.93' (Free Discharge)
**1=Culvert** (Inlet Controls 1.35 cfs @ 3.86 fps)

## Pond YD-5: PROPOSED YARD DRAIN #5



APPLICATION TO THE PLANNING BOARD
CITY OF POUGHKEEPSIE, NEW YORK

# Application for Site Plan, Special Permit & Facade Approval

OFFICE USE ONLY

CODE: PLSF

ID # _____

FEE: _____
Total, from:
$500, plus
$ _____
($150 per 1000 square feet of floor area), plus
$ _____
($35 per number of required parking spaces), plus
$ _____
($500 for special permit, if applicable)

I. **PROPERTY ADDRESS:** 135 Main Street, Poughkeepsie, NY 12601

II. **PROPERTY OWNER:** Omni New York
**ADDRESS:** 909 Third Avenue
21st Floor
NYC, NY 10022 (state and zip code)
**PHONE NUMBER:** (646)502-7200 (include area code)

III. **NAME OF APPLICANT:** Tinkelman Architecture
**ADDRESS:** 25 Van Wagner Road
Poughkeepsie, NY 12603 (state and zip code)
**PHONE NUMBER:** 845-473-0200 ext 103 (include area code)
**EMAIL ADDRESS:** Tink@tinkarch.com

(If applicant is NOT the owner, proof of owner's consent to the application MUST be provided.)

IV. **CONSULTANT:** Ken Casamento
**ADDRESS:** The LCR Group
85 Civic Center Plaza, Suite 103
Poughkeepsie, NY 12601 (state and zip code)
**PHONE NUMBER:** 845-243-2880 (include area code)

V. **PROPOSED USE or FAÇADE CHANGE** (Summarize proposed use or uses): Creation of multi-family 4/5 story residential apartment building at the corner of Main Street and North Perry Street

VI. **ZONING DISTRICT:** R-6

***(Proceed to XVII for special permit & façade approval only)***

## PROJECT INFORMATION

New construction: XX (yes) _____ (no)

Change of use: _____ (yes) XX (no)

Expansion/addition: _____ (yes) XX (no)

Alteration: _____ (yes) XX (no)

Cost of Construction: $ $13,000,000 (Preliminary)

**LOT AND BULK INFORMATION:** For all Lot & Bulk Information refer to Addenda 'A' & 'B' for the two separate lots to be created.

Lot area: Addenda 'A' & 'B' (acres) _____ (square feet)

Building Footprint: Addenda 'A' & 'B' (proposed square feet for new construction)

Addenda 'A' & 'B' (existing square feet for change of use/expansion)

Addenda 'A' & 'B' (additional proposed square feet for expansion)

Addenda 'A' & 'B' (total building footprint, square feet)

Lot Coverage: Addenda 'A' & 'B' (percentage, building coverage only)

Gross Floor Area: 61,768 SF (proposed square feet for new construction) Admiral Halsey Two - Lot One

86,745 SF (existing square feet for change of use/expansion) Admiral Halsey One - Lot Two

N/A (additional proposed square feet for expansion)

N/A (total gross floor area, square feet)

Building Height: Addenda 'A' & 'B' (stories) _____ (feet)

Floor Area Ratio: Addenda 'A' & 'B' (ratio of gross floor area divided by lot area)

## VIII. PROJECT PARKING INFORMATION

A) Number of Off-Street Parking Spaces required: See Addenda 'A' & 'B'

B) Number of Off-Street Parking Spaces provided: See Addenda 'A' & 'B'

C) Waiver Requested: XX (Yes) _____ (No)

Is municipal parking available within 600 feet? _____ (Yes) XX (No)

If yes, name all such municipal facilities: N/A

(If a waiver is requested based on proximity to municipal facilities, a written request for such waiver, addressed to the City Planning Staff and the Chairman of the Planning Board, must be submitted with the application.)

If a private parking facility is to be utilized, is such facility within 600 feet?

_____ (Yes) XX (No)

If yes, provide the address of the facility, name of the property owner, number of spaces in the lot, number of spaces available for lease, and length of lease. Attach copy of lease. Additional information may be required by the Planning Board): N/A

## IX. RESIDENTIAL PROPOSALS

A) Type of Development: Multiple Family Senior Development
(Townhouse, condominium, multiple residence rental, etc.)

B) Unit Breakdown:

Number of efficiency or "studio" units: See Addenda 'A' & 'B'

Number of one (1) bedroom units: See Addenda 'A' & 'B'

Number of two (2) bedroom unit's See Addenda 'A' & 'B'

Number with three or more bedrooms: See Addenda 'A' & 'B'

Total number of units: See Addenda 'A' & 'B'

C) Is funding public? XX Yes ____ No
If yes, describe funding source: NYC Homes & Community Renewal Program

Section X is 'Not Applicable'

## X. OFFICE PROPOSALS (____ Medical/Dental ____ Professional ____ Business)

A) Number of Employees: _____

B) Number of doctors/dentists/medical practitioners: _____

C) Days/Hours of Operation: _____

Section XI is 'Not Applicable'

**XI. SERVICE BUSINESS PROPOSALS**

A) Specify Business: _____
(e.g., laundromat, drycleaner, beauty parlor, travel agency, banks)

B) Number of Employees: _____

C) Number of Washing Machines (for laundromat): _____

D) Days/Hours of Operation: _____

Section XII is 'Not Applicable'

**XII. MERCANTILE PROPOSALS** (Retail _____ Wholesale _____)

A) Type of Mercantile (specify): _____

B) Number of Employees: _____

C) Days/Hours of Operation: _____

Section XIII is 'Not Applicable'

**XIII. STANDARD RESTAURANT/FAST FOOD RESTAURANT/COFFEE SHOP/DONUT SHOP/NIGHTCLUB/DISCOTHEQUE/BAR PROPOSALS**

A) Specify Use: _____

B) Number of seats (excluding bar stools and outdoor seating):_____

C) Meals served (i.e., breakfast, lunch, dinner): _____

D) Type of Menu: _____

E) Days/Hours of Operation: _____

F) Entertainment (live and/or recorded):_____

G) Will the restaurant contain a bar/lounge?: _____ Yes _____ No

H) If yes, how many seats at the bar? _____

I) Is a drive-through window proposed? _____

J) Is a walk-up window proposed? _____

K) Is an outdoor seating area proposed? _____

L) If yes, how many seats are proposed? _____

M) If yes, is outdoor cooking proposed? _____

Section XIV is 'Not Applicable'

**XIV. INDUSTRIAL/COMMERCIAL PROPOSALS** (Automobile repair, taxi, motor vehicle sales, warehouse, manufacturing, animal hospital, research facilities, etc.)

A) Specify Use: _____

B) Number of shifts (if any): _____

C) Number of employees: _____
(If shifts are proposed, list number of employees per shift)

E) Number of work bays (if automobile repair): _____

F) Days/Hours of operation: _____

Section XV is 'Not Applicable'

**XV. EDUCATIONAL/INSTITUTIONAL/RECREATIONAL PROPOSALS** (e.g., Museums, Theatres, Conference Centers, Hotels, Motels, Hospitals, Nursing Homes, Assisted Living Facilities, Nursery Schools, Private Schools, Day Care Centers, Places of Worship, Marinas, Membership Clubs, etc.)

A) Specify: _____

B) Number of shifts (if any): _____

C) Number of employees: _____
(If shifts are proposed, list number of employees per shift)

D) Number of beds (hospitals, nursing homes, etc): _____

E) Number of seats in largest assembly space: _____

F) Number of classrooms (schools): _____

G) Number of rental units (hotels, motels, etc.) _____

H) Number of boat slips/courts (e.g., tennis, handball, etc.), alleys: _____

I) Days/Hours of Operation: _____

**XVI. PROPOSALS NOT MENTIONED ABOVE** (Please be specific):

_____

_____

_____

_____

_____

**XVII. APPLICANT CERTIFICATION**

I, STEVEN TINKELMAN, certify that the this application has addressed the objectives outlined in the Zoning Ordinance with consideration given to the public health, safety and welfare; the comfort and convenience of the public in general or the residents or users of the proposed development and of the immediate neighborhood.

The applicant certifies that all information contained herein is accurate and complete as of the date of this application.

_____ 17JUN21

Signature of Applicant Date

# ADDENDUM 'A'

## ZONING & LAND USE REGULATIONS
## Admiral Halsey Two (Proposed Lot 1)

PROPERTY ADDRESS: 135 MAIN STREET, POUGHKEEPSIE, NY 12601

ZONING DISTRICT: R-6

| | REQUIRED | PROPOSED |
|---|---|---|
| * MINIMUM LOT AREA (ACRES) | 1.33 ACRES (57,600.00 SF) | 1.17 ACRES (50,782.00 SF) |
| MINIMUM LOT WIDTH (FEET) | 100 ft | 239.46 ft |
| MINIMUM LOT FRONTAGE (FEET) | 100 ft | 239.46 ft |
| MINIMUM FRONT YARD | 20 ft | 0.385 ft (CANOPY NEW BLDG.) 20.00 ft - (NEW BLDG.) |
| MINIMUM SIDE YARD #1 | 34.18 ft | 73.25 ft |
| MINIMUM SIDE YARD #2 | 34.18 ft | 10.31 ft |
| MINIMUM REAR YARD | 34.18 ft | 58.06 ft |
| MAXIMUM BUILDING HEIGHT (STORIES) | None | 4/5 STORIES (68.375 FT) |
| MAXIMUM LOT COVERAGE | 70% | 25% |
| ** MINIMUM USABLE OPEN SPACE | 0.44 ACRES (19,200.00 SF) | 0.12 ACRES (5,206.35 SF) |
| DISTANCE BETWEEN BUILDINGS ON ONE SITE | N/A | N/A |
| PARKING (w/ stacking) Based on 9x20 Stall Dimensions | 40 SPACES | 58 SPACES |

*MINIMUM LOT AREA CALCULATION:

PROPOSED BUILDING:

| | | |
|---|---|---|
| STUDIO: 24 x 800 SF = | 19,200 SF | |
| 1 BEDROOM: 48 x 800 SF = | 38,400 SF | |
| 2 BEDROOM: 0 x 1,200 SF = | 0 SF | |
| TOTAL REQUIRED MIN. LOT AREA = | 57,600 SF | (1.33 ACRES) |

TOTAL MINIMUM LOT AREA = 57,600 SF (1.33 ACRES)

**USABLE OPEN SPACE CALCULATION:

PROPOSED BUILDING:

| | | |
|---|---|---|
| STUDIO: 24 x 200 SF = | 4,800 SF | |
| 1 BEDROOM: 48 x 300 SF = | 14,400 SF | |
| 2 BEDROOM: 0 x 400 SF = | 0 SF | |
| TOTAL REQUIRED USABLE OPEN SPACE = | 19,200 SF | (0.44 ACRES) |

TOTAL MINIMUM OPEN SPACE = 19,200 SF (0.44 ACRES)

## PARKING CALCULATION

| | |
|---|---|
| PARKING Based on 9x20 Stall Dimensions | FOR DWELLINGS DESIGNED TO BE OCCUPIED AT LEAST 90% BY PERSONS 62 YEARS OF AGE OR OLDER, 0.5 SPACES PER APARTMENT. |

PROPOSED BUILDING:

# OF STUDIO UNITS = 24 = 24 X 0.5 = 12 SPACES
# OF 1-BEDROOM UNITS = 48 = 48 X 0.5 = 24 SPACES
TOTAL = 36 SPACES

VISITOR: 10% OF 36 SPACES = 3.6 = 4 SPACES

PROPOSED BUILDING GRAND TOTAL REQUIRED = 40 SPACES

TOTAL REQUIRED FOR THE PROJECT = 40
TOTAL PROVIDED FOR THE PROJECT = 58

## REQUIRED VARIANCES

1. SECTION 19-3.17(4)(a) - MINIMUM LOT AREA:
   - REQUIRED MINIMUM LOT AREA = 1.33 ACRES (57,600.00 SF)
   - PROVIDED MINIMUM LOT AREA = 1.17 ACRES (50,782.00 SF)
   - AREA SHORTFALL = 6,818 SF

2. SECTION 19-3.17(4)(e) - MINIMUM FRONT YARD:
   - FRONT YARD REQUIRED = 20.00 ft
   - FRONT YARD PROVIDED = 0.385 ft - NEW BUILDING CANOPY
   - DISTANCE SHORTFALL = 19.615 ft

3. SECTION 19-3.17(4)(f)(1) - MINIMUM SIDE & FRONT YARDS
   - SIDE YARD #2 REQUIRED = 34.18 ft
   - SIDE YARD #2 PROVIDED = 10.31 ft
   - DISTANCE SHORTFALL = 23.87 ft

4. SECTION 19-3.15(4)(i) - REQUIRED OPEN SPACE:
   - REQUIRED OPEN SPACE = 19,200.00 SF
   - PROVIDED OPEN SPACE = 5,206.35 SF
   - OPEN SPACE SHORTFALL = 13,993.65 SF

# ADDENDUM 'B'

## ZONING & LAND USE REGULATIONS
## Admiral Halsey One (Proposed Lot 2)

PROPERTY ADDRESS: 135 MAIN STREET, POUGHKEEPSIE, NY 12601

ZONING DISTRICT: R-6

| | REQUIRED | PROPOSED |
|---|---|---|
| * MINIMUM LOT AREA. (ACRES) | 2.185 ACRES (95,200.00 SF) | 1.12 ACRES (48,773.00 SF) |
| MINIMUM LOT WIDTH (FEET) | 100 ft | 278.82 ft (NO CHANGE) |
| MINIMUM LOT FRONTAGE (FEET) | 100 ft | 278.82 ft (NO CHANGE) |
| MINIMUM FRONT YARD #1 (CORNER LOT) | 20 ft | 48.45 ft |
| MINIMUM FRONT YARD #2 (CORNER LOT) | 20 ft | 20.54 ft |
| MINIMUM SIDE YARD | 68.04 ft | 113.75 ft |
| MINIMUM REAR YARD | 68.04 ft | 34.66 ft |
| MAXIMUM BUILDING HEIGHT (STORIES) | None | 13 STORIES (136.083 FEET) |
| MAXIMUM LOT COVERAGE | 70% | 14.2% |
| ** MINIMUM USABLE OPEN SPACE | 0.82 ACRES (35,700.00 SF) | 0.205 ACRES (8,929 SF) |
| DISTANCE BETWEEN BUILDINGS ON ONE SITE | N/A | N/A |
| PARKING (w/ stacking) Based on 9x20 Stall Dimensions | 66 SPACES | 46 SPACES |

*MINIMUM LOT AREA CALCULATION:

EXISTING BUILDING:

| | | |
|---|---|---|
| STUDIO: 0 x 800 SF = | 0 SF | |
| 1 BEDROOM: 119 x 800 SF = | 95,200 SF | |
| 2 BEDROOM: 0 x 1,200 SF = | 0 SF | |
| TOTAL REQUIRED MIN. LOT AREA = | 95,200 SF | (2.185 ACRES) |

TOTAL REQUIRED MINIMUM LOT AREA = 95,200 SF (2.185 ACRES)

**USABLE OPEN SPACE CALCULATION:

EXISTING BUILDING:

| | | |
|---|---|---|
| STUDIO: 0 x 200 SF = | 0 SF | |
| 1 BEDROOM: 119 x 300 SF = | 35,700 SF | |
| 2 BEDROOM: 0 x 400 SF = | 0 SF | |
| TOTAL REQUIRED USABLE OPEN SPACE = | 35,700 SF | (0.819 ACRES) |

TOTAL MINIMUM OPEN SPACE = 35,700 SF (0.819 ACRES)

## PARKING CALCULATION

PARKING
Based on 9x20 Stall Dimensions

FOR DWELLINGS DESIGNED TO BE OCCUPIED AT LEAST 90% BY PERSONS 62 YEARS OF AGE OR OLDER, 0.5 SPACES PER APARTMENT.

EXISTING BUILDING:
# OF 1-BEDROOM UNITS = 119 =119 X 0.5 = 60 SPACES
TOTAL = 60 SPACES

VISITOR: 10% OF 60 SPACES = 6 SPACES

EXISTING BUILDING GRAND TOTAL REQUIRED = 66 SPACES

TOTAL REQUIRED FOR THE PROJECT = 66
TOTAL PROVIDED FOR THE PROJECT = 46

## REQUIRED VARIANCES

1. SECTION 19-3.17(4)(a) - MINIMUM LOT AREA:
   REQUIRED MINIMUM LOT AREA = 2.185 ACRES (95,200.00 SF)
   PROVIDED MINIMUM LOT AREA = 1.12 ACRES (48,773.00 SF)
   AREA SHORTFALL = 1.065 ACRES (46,427.00 SF)

2. SECTION 19-3.17(4)(f)(1) - MINIMUM SIDE & REAR YARDS
   REAR YARD REQUIRED = 68.04 ft
   REAR YARD PROVIDED = 34.66 ft
   DISTANCE SHORTFALL = 33.38 ft

3. SECTION 19-3.15(4)(i) - REQUIRED OPEN SPACE:
   REQUIRED OPEN SPACE = 35,700.00 SF
   PROVIDED OPEN SPACE = 8,929.00 SF
   OPEN SPACE SHORTFALL = 26,771.00 SF

4. SECTION 19-4.3 - OFF-STREET PARKING
   REQUIRED PARKING = 66
   PROVIDED PARKING = 46
   PARKING SHORTFALL = 20

TINKELMAN ARCHITECTURE

June 22, 2021

Chairman Robert Levine and
Members of the Planning Board
City of Poughkeepsie
62 Civic Center Plaza
Poughkeepsie, NY 1260

***Re: Admiral Halsey Apartments Inc. – Site Plan Review***
***Property: 135 Main Street, Poughkeepsie, New York***

Dear Chairman Levine and Members of the Planning Board

On behalf of Admiral Halsey Apartments Inc. ("Applicant"), we respectfully submit this letter and enclosures in furtherance of the proposed multifamily senior development on property located at 135 Main Street, Poughkeepsie, New York (the "Project Site"). The Project Site is currently improved with an existing 13 story multifamily building, which includes 119 senior dwelling units. This existing structure is located on the southern portion of the Project Site. The Applicant is now proposing an additional 5 story building with 72 senior dwelling units in the rear of the Project Site (the "Project").

The Applicant has proposed to subdivide the Project Site into two lots. Proposed Lot 2 will include the existing multifamily building, consisting of 118 income restricted senior units, 1 superintendent's unit and 46 off-street parking spaces. Proposed Lot 1 will include the proposed new multifamily building, consisting of 71 income restricted senior units, 1 superintendent's unit and 58 off-street parking spaces. The proposed subdivision is required for Project financing and will result in the need for additional area variances. The proposed Project and related area variances are set forth in the enclosed site plans, prepared by Tinkelman Architecture and dated June 22, 2021 (the "Site Plans"). Importantly, the Project has been designed to ensure that the existing structure and new structure are coordinated, and new open spaces has been provided between the buildings for use by the residents of both facilities.

**Project Submission and Review**

In addition to the Site Plans, we have also enclosed with this letter: (1) site plan application form, (2) subdivision application form, (3) Full Environmental Assessment Form ("Full EAF"), and (4) application fees. Pursuant to the New York State Environmental Quality Review Act ("SEQRA"), the Project is an Unlisted Action. We submit that the Planning Board should designate itself as lead agency and conduct a coordinated SEQRA review.

In support of the application, we submit the below information that the Planning Board may consider in its initial review the Project pursuant to Zoning Code 19-6.1 (site plan review) and SEQRA. Once the Planning Board has had a chance to review this application and comment on the same, we will provide additional information as needed.

TINKELMAN ARCHITECTURE

1) **Land Use and Community Character:** The Project will create additional affordable senior housing in the City of Poughkeepsie, which is in high demand. The Project Site is within the City's Urban Density Residence "R-6" zoning district and the proposed use is permitted with site plan review. While we understand that the City is currently updating its Comprehensive Plan, we submit that the Project Site is in the City's downtown area and the Project is consistent with the urban development principles in the current Comprehensive Plan. To this end, because this population is less dependent on vehicle transportation, it is important for senior housing to be located in a downtown urban area close to public transportation opportunities. As demonstrated by the renderings provided herein, the Project is consistent with the character of the neighborhood and has been designed to blend with the existing buildings in the area.

2) **Transportation and Parking:** The Project is creating an additional multifamily building on the Project Site, which will include 71 senior affordable units and 1 superintendent's unit. Additional off-street parking has been provided for the proposed new senior housing building that is compliant with the City's zoning requirement (58 parking spaces, where 40 is required). Off-street parking for the existing building is currently pre-existing legally non-conforming (54 parking spaces, where 66 is required) and provide more than enough parking spaces for the existing tenants. That said, tenants and guests of both buildings will be able to utilize the off-street parking on the entire Project Site (104 parking spaces, where 106 is required).

   As experienced with the existing building and the use thereof, the senior population occupying the Project is not dependent on personal vehicular transportation and does not fully utilize existing parking (see a summary of existing parking counts below). Additionally, 36 of the new 72 units will be set aside for frail elderly who will likely not have driver's licenses because of the mobility and/or audiovisual impairments which define their conditions. Instead, tenants will be dependent on local public transportation, group transportation, shuttle services provided for mobility impaired residents, and pedestrian travel. The current access points of the Project Site function without issue and the Project is not expected to result in any adverse traffic impacts.

   To demonstrate that the proposed parking will not be an issue, the Applicant performed parking counts, which resulted in the following findings:

   1) Tuesday May 24, 2021
      - 10:00 am – 34 spaces occupied.
      - 3:00 pm – 30 spaces occupied.
      - 7:00 pm – 32 spaces occupied.

2) Saturday May 29, 2021:
   - 10:00 am – 28 spaces occupied.
   - 3:00 pm – 32 spaces occupied.
   - 7:00 pm – 31 spaces occupied.

On Tuesday May 24th, the parking lot only utilized 62% of its actual capacity. On Saturday May 29th, the parking lot only utilized to 58% of its actual capacity. Accordingly, the existing building has much more parking than is utilized. Therefore, with the addition of the new off-street parking spaces on the Project Site, the Project will provide sufficient parking to serve its senior tenants and related guest.

3) **Water, Wastewater and Stormwater:** The Project will connect to existing public sewer and water supplies, which has ample capacity to serve the proposed Project. Further, related to stormwater management, due to the disturbance of >1 acre, a full Stormwater Pollution Prevention Plan ("SWPPP") will be prepared, which will demonstrate that stormwater will be appropriately controlled. The SWPPP is being prepared in compliance with the NYSDEC SPDES General Permit for Stormwater Discharges from Construction Activity, Permit No. GP-0-20-001. The Project is not within the current LWRP boundaries.

4) **Plants and Animals:** The Project Site is entirely within an urban setting and is previously disturbed. The Project will not have any adverse impact on plants or animals. There is no rare vegetation or critical wildlife habitat on the Project Site. Again, the Project is not within the current LWRP boundaries.

   A review of the EAF Mapper identified Atlantic Sturgeon and Shortnose Sturgeon located in the project vicinity. The habitat for these species is the Hudson River, approximately 0.5 miles from the project site. The area between the project and the Hudson River is developed suburban/urban and the proposed project will not impact these species or their habitats.

5) **Aesthetic Resources:** The Project Site is within an urban setting. The proposed new multifamily building has been specifically designed to complement and fit within its urban context. To this end, we have provided elevations and renderings of the Project for the Planning Board's review. The proposed building will feature massing and material changes which create the appearance of multiple buildings and not large monolithic shapes. To reinforce the residential scale of the building the plan of the building will be an "L" shape structure. The arm of the "L" along North Perry Street will be 4 stories high and the arm of the structure that is perpendicular to North Perry Street and further back from the street line shall be 5 stories. At the base of the building along North Perry Street, a loggia will encourage pedestrian circulation and engagement at the base of the building. Off this loggia is where much of the communal activities will take place. The facades will be a combination of fiber cement panels and brick veneer. The window systems that will be employed in the design shall be casement windows of a residential style and character. The brick will be compatible in color and texture with the surrounding brick buildings in the neighborhood to be consistent with the new building's existing context.

6) **Lighting:** New energy-efficient lighting will be utilized throughout the Project Site. Exterior site lighting will be designed to comply with the Zoning Code and to be the minimum necessary while ensuring safe and secure residential use. All proposed lighting will be downward facing and will minimize sky glow and light pollution from the Project Site. Where appropriate, lighting fixtures will be of a full cutoff type or provided with shields to reduce glare and light pollution. The lighting is consistent with the Project Site urban setting.

7) **Historic and Archeological Resources:** The proposed Project has undergone a New York State Historic Preservation Office ("SHPO") review, which was completed on November 17, 2020, and found no adverse impacts. At the time of this review the proposed project consisted of a seven (7) story building with 72 dwelling units. The submitted project is a lower building with the same number of dwelling units. The effects on the surrounding historic districts would be the same in either case. This SHPO determinations has been enclosed herein.

**Conclusion**

Based on the above, we respectfully submit that the proposed Project is consistent with the neighborhood and is compliant with the City's site plan review considerations. We submit that the Planning Board should declare its intent to be the lead agency pursuant to SEQRA and commence coordinated review of the Project.

Once we obtain initial feedback from the Planning Board, the City's consultants, and involved/interested agencies, we will supplement our application. We look forward to working with the City in furtherance of the Project.

Respectfully,

Steven Tinkelman, AIA
Managing Member

TINKELMAN ARCHITECTURE

October 5, 2021

Chairman Levine
Honorable Members of the City of Poughkeepsie Planning Board
City of Poughkeepsie
62 Civic Center Plaza
3rd Floor
Poughkeepsie, NY 12601

**RE: Admiral Halsey II**
**135 Main Street**
**Parcel # 131300-6062-76-911183-0000**
**Poughkeepsie, NY 12601**

Dear Chairman Levine and Members of the Planning Board,

I hope this letter finds you well.

This letter, together with the attached revised Site Plan drawing and Zoning Analysis, constitutes our current submittal to the City of Poughkeepsie Planning Board. We are submitting this amended application for Site Plan, Architectural, and Special Use Permit approval for the above referenced parcel at 135 Main Street.

At the previous Planning Board presentation held on September 21, 2021, the Applicant proposed to subdivide the Project Site into two lots. Proposed Lot 2 will include the existing multifamily building (Admiral Halsey I), consisting of 118 income restricted senior units, 1 superintendent's unit and 46 off-street parking spaces. Proposed Lot 1 will include the new multifamily building (Admiral Halsey II), consisting of 71 income restricted senior units, 1 superintendent's unit and 58 off-street parking spaces. As stated in the previous Planning Board presentation, the Applicant has indicated that the proposed property subdivision is necessary for successful Project financing and will result in the need for additional site variances. Importantly, the Project has been designed to ensure that the existing structure and new structure are coordinated, and new open spaces have been provided between the buildings for use by the residents of both facilities.

At the Planning Board meeting the Planning Board members requested that the Applicant consider increasing the amount of open/green space around the Project and perhaps revisit the site design to reduce the number of variances that might be ultimately required for the Project. Also discussed at the meeting was the fact that the amount of parking required by the City of Poughkeepsie Zoning Code could be reduced given the fact that the building occupants are senior and elderly/frail residents and many of them would not and do not have cars.

Given that information, the Planning Board members where amenable to the idea of exchanging the quantity of required parking spaces for more open space on the site.

Therefore, we present to you and the Board for consideration the revised site plan enclosed. The originally proposed new property line presented to the Planning Board on September 21, 2021, that would subdivide the original lot, has been redefined and moved. The distance between the existing Admiral Halsey I building and the proposed Admiral Halsey II building has also been increased. This was accomplished by the adjustment of the proposed property line and slightly moving the Admiral Halsey II building northward. These design decisions create several opportunities for the project. When considering the original site design that was presented, we were able to eliminate the need for 2 of the requested variances in the original submission. The variances that were eliminated from the original variance request list are as follows: an overall lot area variance for Admiral Halsey II and a side yard variance for Admiral Halsey II.

However, because of the considerations that we gave to the request of the Planning Board members for more open green space around the proposed Admiral Halsey II, it became necessary for us to add back into the list of requested variances, a new variance for the Admiral Halsey II portion of the project. The variance that we added to the requested variance list is for the required number of parking spaces at the Admiral Halsey II building. We redesigned the parking layout on the north side of Admiral Halsey II to address the board's desire for more open greenspace around the perimeter of the building and site. In addition to this, as discussed in the Planning Board meeting, we have eliminated the parking spaces on the east side of the newly created open green space that was presented in the site plan. The resultant parking count for Admiral Halsey II will be 37 parking spaces, and not the required 40 parking spaces. We have also reduced the number of parking spaces and re-arranged the layout of the remaining parking spaces. The changes to the new lot line likewise reduce the parking space count at Admiral Halsey I to 35 spaces. The combined parking count for the two buildings is now proposed to be 72 parking spaces. The Applicant feels that a combined parking space count of 72 spaces is adequate for both buildings, given the resident population. All of these design decisions created more green/open space throughout the site and even though we still need a variance for the open space requirement at Admiral Halsey II, these moves have increased the open/green space around the project. Ultimately, with the new revised site plan, we have reduced the number of required variances from 8 to 7.

The revisions and design changes indicated above are depicted in drawing sheets G-100 (Zoning Information) and PZ-100 (Site Plan) and are dated October 19, 2021, and indicated as Revision 1. For expediency's sake the Civil Engineering drawings have not been updated yet. The Civil Engineering drawings that will need updating include SUB-1, SG-1, SD-1, UT-1, EC-1, and TT-1. The engineering drawings shall be revised after the scheduled October 19. 2021 Planning Board meeting.

Based on the above, we respectfully submit that the proposed Project is consistent with the neighborhood and is compliant with the City's site plan review considerations. We submit that the Planning Board should declare its intent to be the lead agency pursuant to SEQRA and commence coordinated review of the Project.

TINKELMAN ARCHITECTURE

Once we obtain additional feedback from the Planning Board, the City's consultants, and involved/interested agencies, we will supplement our application. We look forward to working with the city in furtherance of the Project.

Respectfully,

**TINKELMAN ARCHITECTURE**

Anthony Juliano, Assoc. AIA
Director of Architectural Services

cc. Steven Tinkelman, Tinkelman Architecture
Natalie Quinn, Planning Director, City of Poughkeepsie

**PROJECT TITLE:**

# ADMIRAL HALSEY II

**PROJECT ADDRESS:**

135 MAIN STREET
POUGHKEEPSIE, NY 12601

**CLIENT:**

OMNI NEW YORK
909 THIRD AVE., 21ST FLOOR
NEW YORK CITY, NY 10022

**CITY PLANNING BOARD**
**CITY OF POUGHKEEPSIE, NEW YORK**

**SITE PLAN APPROVAL**

**FILE NO:**

**PROJECT NAME:**

**PROJECT LOCATION:**

**APPLICANT:**

**OFFICIALLY APPROVED at the Planning Board**
**Meeting held the _____ day of _____ 2_____**

**PLANNING CHAIR:**

**DESIGNEE:**

**DATE SIGNED:**

**CONDITION(S):**

**CITY OF POUGHKEEPSIE DEPARTMENTAL SIGNATURES**
**(Required Before Chairman's Signature)**

Fire Chief _____ Date _____

Police Chief _____ Date _____

Building Inspector _____ Date _____

City Engineer _____ Date _____

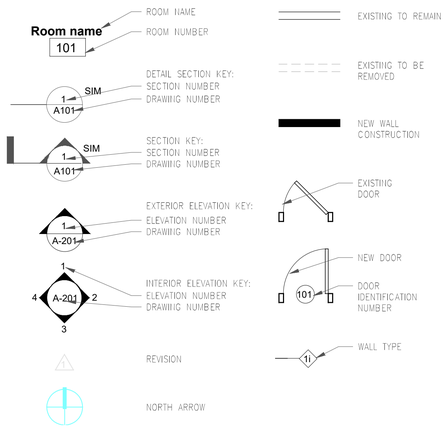
Commissioner of Public Works _____ Date _____

## ABBREVIATIONS

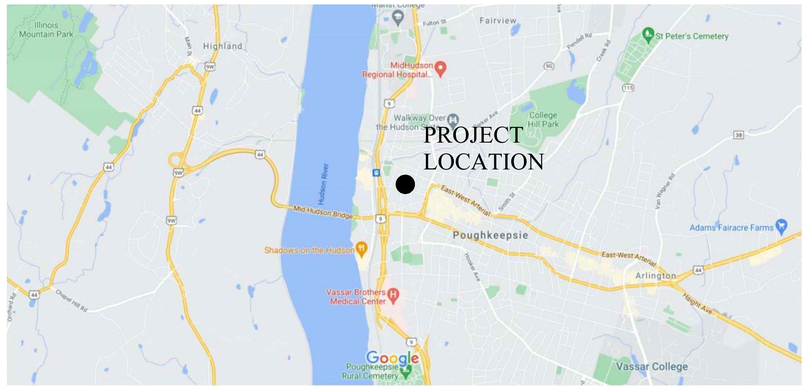
| | | |
|---|---|---|
| A | ACOUST. | ACOUSTICAL |
| | A.C.T. | ACOUSTICAL CEILING TILE |
| | A.F.F | ABOVE FINISHED FLOOR |
| | ALUM. | ALUMINUM |
| | ANOD. | ANODIZED |
| | APPROX. | APPROXIMATE |
| | AVG. | AVERAGE |
| B | B.O. | BOTTOM OF |
| | BLDG. | BUILDING |
| | BLK'G. | BLOCKING |
| | BRG. | BEARING |
| C | CAB. | CABINET |
| | CLG. | CEILING |
| | C.J. | CONTROL JOINT |
| | C.L. | CENTER LINE |
| | CLOS. | CLOSET |
| | CLR. | CLEAR |
| | C.M.U. | CONCRETE MASONRY UNIT |
| | CNTR. | COUNTER |
| | COL. | COLUMN |
| | CONC. | CONCRETE |
| | CONSTR. | CONSTRUCTION |
| | CONT. | CONTINUOUS |
| | CONTR. | CONTRACTOR |
| | C.T. | CERAMIC TILE |
| D | DBL. | DOUBLE |
| | DIA. | DIAMETER |
| | DIM. | DIMENSION |
| | DN. | DOWN |
| | DR. | DOOR |
| | DTL. | DETAIL |
| | DWG | DRAWING |
| E | EA. | EACH |
| | E.I.F.S. | EXTERIOR INSULATION FINISH SYSTEM |
| | ELECT. | ELECTRIC/ELECTRICAL |
| | ELEV. | ELEVATION |
| | EQ. | EQUAL |
| | EQUIP. | EQUIPMENT |
| | ETC. | ET CETERA |
| | EXIST. | EXISTING |
| | EXT. | EXTERIOR |
| F | F.D. | FLOOR DRAIN |
| | FDN. | FOUNDATION |
| | F.E. | FIRE EXTINGUISHER |
| | FIN. | FINISH |
| | FIXT. | FIXTURE |
| | FLR. | FLOOR |
| | F.R.P. | FIBERGLASS REINF. PLASTIC |
| | FT. | FEET/FOOT |
| | FTG. | FOOTING |
| G | GA. | GAGE/GUAGE |
| | GALV. | GALVANIZED |
| | G.C. | GENERAL CONTRACTOR |
| | GL. | GLASS |
| | GYP. | GYPSUM |
| H | H.C. | HANDICAP ACCESSIBLE |
| | H.C. | HOLLOW CORE |
| | HDR. | HEADER |
| | H.M. | HOLLOW METAL |
| | H.P. | HIGH POINT |
| | H.R.C. | HEATING & REFRIGERATION CONTRACTOR(S) |
| | HT. | HEIGHT |
| | H.V.A.C. | HEATING, VENTILATION, AIR CONDITIONING |
| I | IN. | INCHES |
| | INFO. | INFORMATION |
| | INT. | INTERIOR |
| | INSUL. | INSULATION |
| J | J-BOX | JUNCTION BOX |
| | JST. | JOIST |
| K | K.E.S. | KITCHEN EQUIPMENT SUPPLIER |
| L | LAM. | LAMINATE |
| | LAV. | LAVATORY |
| | LBS. | POUNDS |
| | L.F. | LINEAL FOOT |
| | L.P. | LOW POINT |
| M | MANUF. | MANUFACTURER |
| | MAX. | MAXIMUM |
| | MECH. | MECHANICAL |
| | MIN. | MINIMUM |
| | MISC. | MISCELLANEOUS |
| | M.O. | MASONRY OPENING |
| | MSRY. | MASONRY |
| | MTD. | MOUNTED |
| | MTL. | METAL |
| N | N.I.C. | NOT IN CONTRACT |
| | N.T.S. | NOT TO SCALE |
| O | O.C. | ON CENTER |
| | O.D. | OUTSIDE DIAMETER |
| | O.H. | OPPOSITE HAND |
| | OPNG. | OPENING |
| | OPP. | OPPOSITE |
| | OPT. | OPTIONAL |
| P | PL. | PLATE |
| | PLUMB. | PLUMBING |
| | PLYWD. | PLYWOOD |
| | PNL. | PANEL |
| | PR. | PAIR |
| | PREP. | PREPARATION/PREPARED |
| | PT. | PART/POINT |
| R | R.A. | RETURN AIR |
| | RAD. | RADIUS |
| | RECPT. | RECEPTACLE |
| | REINF. | REINFORCING |
| | REQ'D. | REQUIRED |
| | R.O. | ROUGH OPENING |
| | R.T.U. | ROOF TOP UNIT |
| S | S.C. | SOLID CORE |
| | SCHD. | SCHEDULE |
| | SF. | STOREFRONT |
| | SHT. | SHEET |
| | SIM. | SIMILAR |
| | SPECS. | SPECIFICATIONS |
| | SPRINK. | SPRINKLERS |
| | SQ. | SQUARE |
| | S.S. | STAINLESS STEEL |
| | STD. | STANDARD |
| | STL. | STEEL |
| | STRUCT. | STRUCTURAL/STRUCTURE |
| | SUSP. | SUSPENDED |
| T | T.O. | TOP OF |
| | T&B | TOP & BOTTOM |
| | T&G | TONGUE & GROOVE |
| | TEMP. | TEMPERED |
| | TYP. | TYPICAL |
| V | V. | VOLT/VOLTAGE |
| | V.C.T. | VINYL COMPOSITION TILE |
| | VERT. | VERTICAL |
| W | W/ | WITH |
| | W/O | WITHOUT |
| | W.B. | WALL BASE |
| | W.C. | WATER CLOSET |
| | WD. | WOOD |
| | W.H. | WATER HEATER |
| | WDW. | WINDOW |
| | WT. | WEIGHT |
| | W.W.F. | WELDED WIRE FABRIC |

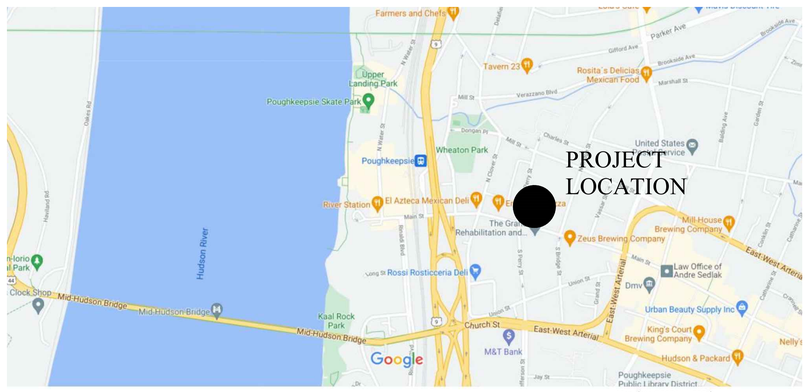
## SITE DATA

## SYMBOL LEGEND




## LOCATION MAP




## DRAWING INDEX


| Sheet Number | Sheet Name |
|---|---|
| 1 - GENERAL | |
| T-101 | TITLE SHEET |
| G-101 | ZONING INFORMATION |
| G-102 | ADJOINING PROPERTIES MAP |
| 2 - ARCHITECTURAL | |
| PZ-100 | PROPOSED SITE PLAN |
| PZ-101 | GROUND FLOOR PLAN |
| PZ-102 | 2ND - 4TH FLOORS |
| PZ-103 | 5TH FLOOR PLAN |
| PZ-104 | WEST ELEVATION / SOUTH ELEVATION |
| PZ-105 | EAST ELEVATION / NORTH ELEVATION |
| PZ-106 | WEST SITE SECTION/SOUTH SITE SECTION |
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| 3 - CIVIL | |
| SUB-1 | SUBDIVISION PLAT |
| SG-1 | SITE GRADING PLAN |
| SD-1 | SITE DRAINAGE PLAN |
| UT-1 | UTILITIES PLAN |
| EC-1 | EROSION & SEDIMENTATION CONTROL PLAN |
| TT-1 | TRUCK TURNING PLAN |
| NS-1 | NOTE SHEET |
| DN-1 | SITE DETAILS |
| DN-2 | SANITARY / WATER DETAILS |
| DN-3 | STORMWATER DETAILS |
| DN-4 | EROSION CONTROL DETAILS |
| 4 - LANDSCAPE | |


*THIS DRAWING IS FOR SCHEMATIC DESIGN PURPOSES ONLY AND IS NOT INTENTED FOR CONSTRUCTION. ACTUAL CONSTRUCTION DRAWINGS, AND SUBSEQUENT CONSTRUCTION MAY DIFFER SIGNIFICANTLY FROM THIS REPRESENTATION.


TINKELMAN ARCHITECTURE
25 Van Wagner Road,
Poughkeepsie,
New York 12603
www.tinkarch.com


CLIENT NAME: OMNI NEW YORK
909 THIRD AVE., 21st FLOOR
NEW YORK CITY, NY 10022

PROJECT NAME: ADMIRAL HALSEY II
135 MAIN STREET
POUGHKEEPSIE, NY 12603

REGISTERED ARCHITECT STEVEN TINKELMAN 16528 STATE OF NEW YORK

TITLE SHEET

Date: 2021.06.22
Project number: Y1629.20

T-101

6/3/2021 10:45:37 AM

# ZONING & LAND USE REGULATIONS

PROPERTY ADDRESS: 135 MAIN STREET, POUGHKEEPSIE, NY 12601

ZONING DISTRICT: R-6

| | REQUIRED | PROPOSED |
|---|---|---|
| *MINIMUM LOT AREA. (ACRES) | *152,800 SF | 99,555 SF (2.29 ac.) |
| MINIMUM LOT WIDTH (FEET) | 100 ft | 278.82 ft (NO CHANGE) |
| MINIMUM LOT FRONTAGE (FEET) | 100 ft | 278.82 ft (NO CHANGE) |
| MINIMUM FRONT YARD 1 (CORNER LOT) | 20 ft | 48.45 ft (NO CHANGE) |
| MINIMUM FRONT YARD 2 (CORNER LOT) | 20 ft | 0.385 ft (CANOPY NEW BLDG.) 20.00 ft - (NEW BLDG.) |
| MINIMUM SIDE YARD | 34.18 ft | 58.06 ft (NEW BLDG.) |
| MINIMUM REAR YARD | 34.21 ft | 75.25 ft (NEW BLDG.) |
| MAXIMUM BUILDING HEIGHT (STORIES) | None | EXIST. - 13 STORIES (136.08 ft) NEW - 4 / 5 STORIES (68.375 ft) |
| MAXIMUM LOT COVERAGE | 70% | 19.7% |
| **MINIMUM USABLE OPEN SPACE | **54,900 SF (1.26 ACRES) | 18,120.11 SF (0.416 ACRES) |
| DISTANCE BETWEEN BUILDINGS ON ONE SITE | 90.72 ft | 47.66 ft |
| PARKING (w/ stacking) Based on 9x20 Stall Dimensions | 106 Spaces | 104 Spaces |

*MINIMUM LOT AREA CALCULATION:

EXISTING BUILDING:
- STUDIO: 0 x 800 SF = 0 SF
- 1 BEDROOM: 119 x 800 SF = 95,200 SF
- 2 BEDROOM: 0 x 1,200 SF = 0 SF
- TOTAL REQUIRED MIN. LOT AREA = 95,200 SF (2.185 ACRES)

PROPOSED BUILDING:
- STUDIO: 24 x 800 SF = 19,200 SF
- 1 BEDROOM: 48 x 800 SF = 38,400 SF
- 2 BEDROOM: 0 x 1,200 SF = 0 SF
- TOTAL REQUIRED MIN. LOT AREA = 57,600 SF (1.322 ACRES)

TOTAL MINIMUM LOT AREA = 152,800 SF (3.508 ACRES)

**USABLE OPEN SPACE CALCULATION:

EXISTING BUILDING:
- STUDIO: 0 x 200 SF = 0 SF
- 1 BEDROOM: 119 x 300 SF = 35,700 SF
- 2 BEDROOM: 0 x 400 SF = 0 SF
- TOTAL REQUIRED USABLE OPEN SPACE = 35,700 SF (0.89 ACRES)

PROPOSED BUILDING:
- STUDIO: 24 x 200 SF = 4,800 SF
- 1 BEDROOM: 48 x 300 SF = 14,400 SF
- 2 BEDROOM: 0 x 400 SF = 0 SF
- TOTAL REQUIRED USABLE OPEN SPACE = 19,200 SF (0.44 ACRES)

TOTAL MINIMUM OPEN SPACE = 54,900 SF

## PARKING CALCULATION

| | |
|---|---|
| PARKING Based on 9x20 Stall Dimensions | FOR DWELLINGS DESIGNED TO BE OCCUPIED AT LEAST 90% BY PERSONS 62 YEARS OF AGE OR OLDER, 0.5 SPACES PER APARTMENT. |

EXISTING BUILDING:
- # OF 1-BEDROOM UNITS = 119 =119 X 0.5 = 60 SPACES
- TOTAL = 60 SPACES

VISITOR: 10% OF 60 SPACES = 6 SPACES

EXISTING BUILDING GRAND TOTAL REQUIRED = 66 SPACES

PROPOSED BUILDING:
- # OF STUDIO UNITS = 24 = 24 X 0.5 = 12 SPACES
- # OF 1-BEDROOM UNITS = 48 = 48 X 0.5 = 24 SPACES
- TOTAL = 36 SPACES

VISITOR: 10% OF 36 SPACES = 3.6 = 4 SPACES

PROPOSED BUILDING GRAND TOTAL REQUIRED = 40 SPACES

TOTAL REQUIRED FOR THE PROJECT = 106
TOTAL PROVIDED FOR THE PROJECT = 104

## REQUIRED VARIANCES

1. SECTION 19-3.17(4)(a) - MINIMUM LOT AREA:
   - REQUIRED MINIMUM LOT AREA = 152,800 SF
   - PROVIDED MINIMUM LOT AREA = 101,411.00 SF
   - AREA SHORTFALL = 51,389 SF
2. SECTION 19-3.17(4)(f)2 - DISTANCE BETWEEN BUILDINGS:
   - REQUIRED DISTANCE = 90.72 ft
   - PROVIDED DISTANCE = 47.66 ft
   - DISTANCE SHORTFALL = 43.06 ft
3. SECTION 19-3.15(4)(i) - REQUIRED OPEN SPACE:
   - REQUIRED OPEN SPACE = 54,900.00 SF
   - PROVIDED OPEN SPACE = 18,120.11 SF
   - OPEN SPACE SHORTFALL = 36,779.89 SF
4. SECTION 19-4.3 - OFF-STREET PARKING:
   - REQUIRED PARKING = 106
   - PROVIDED PARKING = 104
   - PARKING SHORTFALL = 2

# ZONING & LAND USE REGULATIONS
## Admiral Halsey Two (Proposed Lot 1)

PROPERTY ADDRESS: 135 MAIN STREET, POUGHKEEPSIE, NY 12601

ZONING DISTRICT: R-6

| | REQUIRED | PROPOSED |
|---|---|---|
| * MINIMUM LOT AREA. (ACRES) | 1.33 ACRES (57,600.00 SF) | 1.17 ACRES (50,782.00 SF) |
| MINIMUM LOT WIDTH (FEET) | 100 ft | 239.46 sf |
| MINIMUM LOT FRONTAGE (FEET) | 100 ft | 239.46 ft |
| MINIMUM FRONT YARD | 20 ft | 0.385 ft (CANOPY NEW BLDG.) 20.00 ft - (NEW BLDG.) |
| MINIMUM SIDE YARD #1 | 34.18 ft | 73.25 ft |
| MINIMUM SIDE YARD #2 | 34.18 ft | 10.31 ft |
| MINIMUM REAR YARD | 34.18 ft | 58.06 ft |
| MAXIMUM BUILDING HEIGHT (STORIES) | None | 4/5 STORIES (68.375 FT) |
| MAXIMUM LOT COVERAGE | 70% | 25% |
| **MINIMUM USABLE OPEN SPACE | 0.44 ACRES (19,200.00 SF) | 0.12 ACRES (5,206.35 SF) |
| DISTANCE BETWEEN BUILDINGS ON ONE SITE | N/A | N/A |
| PARKING (w/ stacking) Based on 9x20 Stall Dimensions | 40 SPACES | 58 SPACES |

*MINIMUM LOT AREA CALCULATION:

PROPOSED BUILDING:
- STUDIO: 24 x 800 SF = 19,200 SF
- 1 BEDROOM: 48 x 800 SF = 38,400 SF
- 2 BEDROOM: 0 x 1,200 SF = 0 SF
- TOTAL REQUIRED MIN. LOT AREA = 57,600 SF (1.33 ACRES)

TOTAL MINIMUM LOT AREA = 57,600 SF (1.33 ACRES)

**USABLE OPEN SPACE CALCULATION:

PROPOSED BUILDING:
- STUDIO: 24 x 200 SF = 4,800 SF
- 1 BEDROOM: 48 x 300 SF = 14,400 SF
- 2 BEDROOM: 0 x 400 SF = 0 SF
- TOTAL REQUIRED USABLE OPEN SPACE = 19,200 SF (0.44 ACRES)

TOTAL MINIMUM OPEN SPACE = 19,200 SF (0.44 ACRES)

## PARKING CALCULATION

| | |
|---|---|
| PARKING Based on 9x20 Stall Dimensions | FOR DWELLINGS DESIGNED TO BE OCCUPIED AT LEAST 90% BY PERSONS 62 YEARS OF AGE OR OLDER, 0.5 SPACES PER APARTMENT. |

PROPOSED BUILDING:
- # OF STUDIO UNITS = 24 = 24 X 0.5 = 12 SPACES
- # OF 1-BEDROOM UNITS = 48 = 48 X 0.5 = 24 SPACES
- TOTAL = 36 SPACES

VISITOR: 10% OF 36 SPACES = 3.6 = 4 SPACES

PROPOSED BUILDING GRAND TOTAL REQUIRED = 40 SPACES

TOTAL REQUIRED FOR THE PROJECT = 40
TOTAL PROVIDED FOR THE PROJECT = 58

## REQUIRED VARIANCES

1. SECTION 19-3.17(4)(a) - MINIMUM LOT AREA:
   - REQUIRED MINIMUM LOT AREA = 1.33 ACRES (57,600.00 SF)
   - PROVIDED MINIMUM LOT AREA = 1.17 ACRES (50,782.00 SF)
   - AREA SHORTFALL = 6,818 SF
2. SECTION 19-3.17(4)(e) - MINIMUM FRONT YARD:
   - FRONT YARD REQUIRED = 20.00 ft
   - FRONT YARD PROVIDED = 0.385 ft - NEW BUILDING CANOPY
   - DISTANCE SHORTFALL = 19.615 ft
3. SECTION 19-3.17(4)(f)(1) - MINIMUM SIDE & FRONT YARDS:
   - SIDE YARD #2 REQUIRED = 34.18 ft
   - SIDE YARD #2 PROVIDED = 10.31 ft
   - DISTANCE SHORTFALL = 23.87 ft
4. SECTION 19-3.15(4)(i) - REQUIRED OPEN SPACE:
   - REQUIRED OPEN SPACE = 19,200.00 SF
   - PROVIDED OPEN SPACE = 5,206.35 SF
   - OPEN SPACE SHORTFALL = 13,993.65 SF

# ZONING & LAND USE REGULATIONS
## Admiral Halsey One (Proposed Lot 2)

PROPERTY ADDRESS: 135 MAIN STREET, POUGHKEEPSIE, NY 12601

ZONING DISTRICT: R-6

| | REQUIRED | PROPOSED |
|---|---|---|
| * MINIMUM LOT AREA. (ACRES) | 2.185 ACRES (95,200.00 SF) | 1.12 ACRES (48,773.00 SF) |
| MINIMUM LOT WIDTH (FEET) | 100 ft | 278.82 ft (NO CHANGE) |
| MINIMUM LOT FRONTAGE (FEET) | 100 ft | 278.82 ft (NO CHANGE) |
| MINIMUM FRONT YARD #1 (CORNER LOT) | 20 ft | 48.45 ft |
| MINIMUM FRONT YARD #2 (CORNER LOT) | 20 ft | 20.54 ft |
| MINIMUM SIDE YARD | 68.04 ft | 113.75 ft |
| MINIMUM REAR YARD | 68.04 ft | 34.66 ft |
| MAXIMUM BUILDING HEIGHT (STORIES) | None | 13 STORIES (136.083 FEET) |
| MAXIMUM LOT COVERAGE | 70% | 14.2% |
| **MINIMUM USABLE OPEN SPACE | 0.82 ACRES (35,700.00 SF) | 0.205 ACRES (8,929 SF) |
| DISTANCE BETWEEN BUILDINGS ON ONE SITE | N/A | N/A |
| PARKING (w/ stacking) Based on 9x20 Stall Dimensions | 66 SPACES | 46 SPACES |

*MINIMUM LOT AREA CALCULATION:

EXISTING BUILDING:
- STUDIO: 0 x 800 SF = 0 SF
- 1 BEDROOM: 119 x 800 SF = 95,200 SF
- 2 BEDROOM: 0 x 1,200 SF = 0 SF
- TOTAL REQUIRED MIN. LOT AREA = 95,200 SF (2.185 ACRES)

TOTAL REQUIRED MINIMUM LOT AREA = 95,200 SF (2.185 ACRES)

**USABLE OPEN SPACE CALCULATION:

EXISTING BUILDING:
- STUDIO: 0 x 200 SF = 0 SF
- 1 BEDROOM: 119 x 300 SF = 35,700 SF
- 2 BEDROOM: 0 x 400 SF = 0 SF
- TOTAL REQUIRED USABLE OPEN SPACE = 35,700 SF (0.819 ACRES)

TOTAL MINIMUM OPEN SPACE = 35,700 SF (0.819 ACRES)

## PARKING CALCULATION

| | |
|---|---|
| PARKING Based on 9x20 Stall Dimensions | FOR DWELLINGS DESIGNED TO BE OCCUPIED AT LEAST 90% BY PERSONS 62 YEARS OF AGE OR OLDER, 0.5 SPACES PER APARTMENT. |

EXISTING BUILDING:
- # OF 1-BEDROOM UNITS = 119 =119 X 0.5 = 60 SPACES
- TOTAL = 60 SPACES

VISITOR: 10% OF 60 SPACES = 6 SPACES

EXISTING BUILDING GRAND TOTAL REQUIRED = 66 SPACES

TOTAL REQUIRED FOR THE PROJECT = 66
TOTAL PROVIDED FOR THE PROJECT = 46

## REQUIRED VARIANCES

1. SECTION 19-3.17(4)(a) - MINIMUM LOT AREA:
   - REQUIRED MINIMUM LOT AREA = 2.185 ACRES (95,200.00 SF)
   - PROVIDED MINIMUM LOT AREA = 1.12 ACRES (48,773.00 SF)
   - AREA SHORTFALL = 1.065 ACRES (46,427.00 SF)
2. SECTION 19-3.17 (4)(f)(1) - MINIMUM SIDE & REAR YARDS
   - REAR YARD REQUIRED = 68.04 ft
   - REAR YARD PROVIDED = 34.66 ft
   - DISTANCE SHORTFALL = 33.38 ft
3. SECTION 19-3.15(4)(i) - REQUIRED OPEN SPACE:
   - REQUIRED OPEN SPACE = 35,700.00 SF
   - PROVIDED OPEN SPACE = 8,929.00 SF
   - OPEN SPACE SHORTFALL = 26,771.00 SF
4. SECTION 19-4.3 - OFF-STREET PARKING:
   - REQUIRED PARKING = 66
   - PROVIDED PARKING = 46
   - PARKING SHORTFALL = 20

*THIS DRAWING IS FOR SCHEMATIC DESIGN PURPOSES ONLY AND IS NOT INTENTED FOR CONSTRUCTION. ACTUAL CONSTRUCTION DRAWINGS, AND SUBSEQUENT CONSTRUCTION MAY DIFFER SIGNIFICANTLY FROM THIS REPRESENTATION.

TINKELMAN ARCHITECTURE
25 Van Wagner Road,
Poughkeepsie,
New York 12603
www.tinkarch.com

CLIENT NAME:
OMNI NEW YORK
909 THIRD AVE., 21st FLR.
NEW YORK CITY, NY 10022

PROJECT NAME:
ADMIRAL HALSEY II
135 MAIN STREET
POUGHKEEPSIE, NY 12601

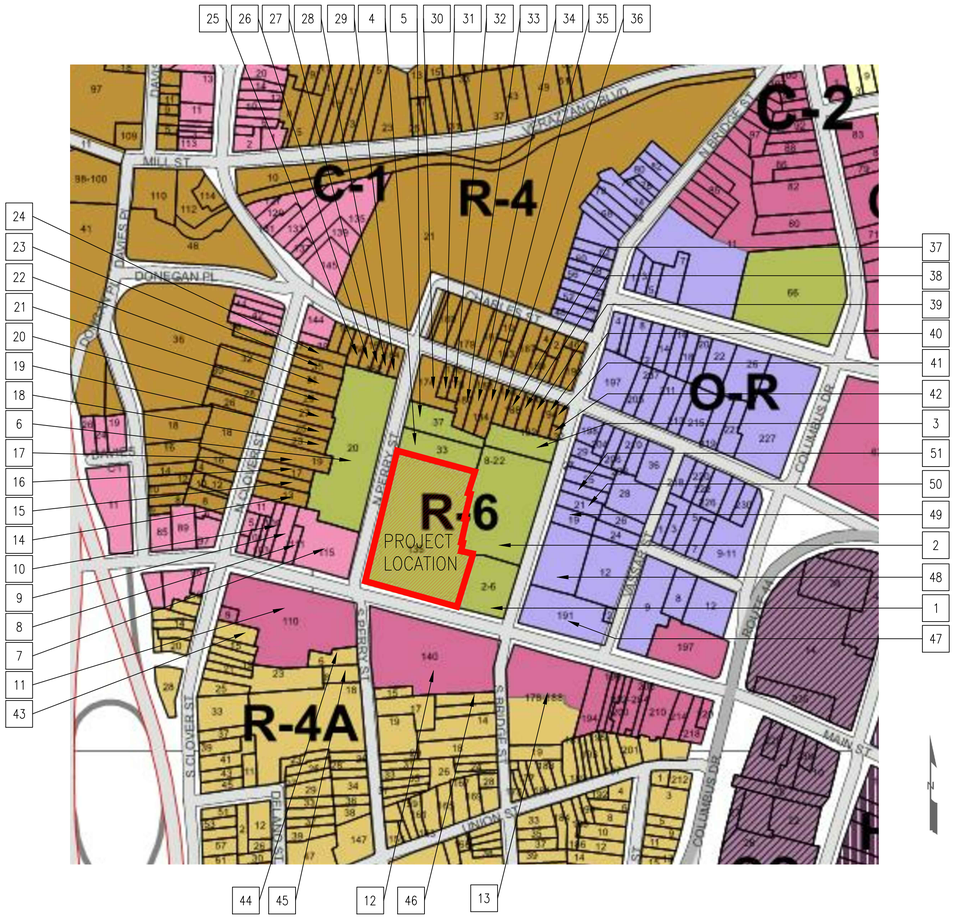
REGISTERED ARCHITECT STEVEN TINKELMAN 16528 STATE OF NEW YORK

ZONING INFORMATION

Date: 2021.06.22
Project number: Y1629.20

G-101

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1 ADJOINING PROPERTY OWNER PLAN
NOT TO SCALE

## ADJOINING PROPERTY OWNER LEGEND

| ZONE | ID No. | LOT No. | PRIMARY OWNER/ADDRESS |
|---|---|---|---|
| R-1 | 1 | 925155 | JOACHIM KIEFERT NEWBURGH GmbH<br>35 MANCHESTER CIRCLE<br>POUGHKEEPSIE, NY 12601 |
| | 2 | 931179 | JOHN F. BAHRENBURG – TRUSTEE<br>248 OVERLOOK ROAD<br>POUGHKEEPSIE, NY 12603 |
| | 3 | 935196 | MILL STREET ESTATES LLC<br>39 HOOSE BLVD<br>FISHKILL, NY 12524 |
| | 4 | 912195 | CITY OF POUGHKEEPSIE<br>P.O. BOX 300<br>POUGHKEEPSIE NY 12602 |
| | 5 | 910206 | 15037 VICTORY LLC<br>4530 E. THOUSAND OAKS BLVD<br>WESTAGE VILLAGE, CA 91362 |
| | 6 | 888192 | 15037 VICTORY LLC<br>4530 E. THOUSAND OAKS BLVD<br>WESTAGE VILLAGE, CA 91362 |
| | 7 | 840167 | DANIEL MILANESE – TRUSTEE<br>115 MAIN STREET<br>POUGHKEEPSIE, NY 12601 |
| | 8 | 871168 | DANIEL MILANESE – TRUSTEE<br>115 MAIN STREET<br>POUGHKEEPSIE, NY 12601 |
| | 9 | 868171 | DANIEL MILANESE – TRUSTEE<br>115 MAIN STREET<br>POUGHKEEPSIE, NY 12601 |
| | 10 | 865172 | RODOLFO GUERRIERO LT<br>29 WORRALL AVENUE.<br>POUGHKEEPSIE NY 12603 |
| C-2 | 11 | 870147 | MARSHALL & STERLING REALTY INC.<br>110 MAIN STREET<br>POUGHKEEPSIE NY 12601 |
| | 12 | 906135 | RIVER VALLEY REALTY CO. LP<br>143-10 20TH AVENUE<br>WHITESTONE, NY 11357 |
| | 13 | 944121 | QUEEN CITY LOFT HOUSING DEV.<br>34 CLAYTON BLVD.<br>BALDWIN PLACE, NY 10505 |
| R-4 | 14 | 867182 | WILSON F. VILLA<br>13 NORTH CLOVER STREET<br>POUGHKEEPSIE NY 12601 |
| | 15 | 868186 | CAROL E. GUSTAFSON<br>649 NOXON ROAD<br>POUGHKEEPSIE NY 12601 |
| | 16 | 869189 | R.F. REYNOLDS PROPERTY & ACQUISITION CORP.<br>21 MARWILL STREET<br>ALBANY, NY 12209 |
| | 17 | 873193 | POUGHKEEPSIE APOSTOLIC CHURCH<br>19 N. CLOVER STREET<br>POUGHKEEPSIE NY 12601 |
| | 18 | 872198 | HEIDIN N. QUIJADA GUERRA<br>27 N. CLOVER STREET<br>POUGHKEEPSIE, NY 12601 |
| | 19 | 873201 | ELBIN ANTONIO QUIJADA GUERRA<br>25 N. CLOVER STREET<br>POUGHKEEPSIE, NY 12601 |
| | 20 | 874205 | ALEYDA JUDITH QUIJADA GUERRA<br>27 N. CLOVER STREET<br>POUGHKEEPSIE, NY 12601 |
| | 21 | 875209 | ANTAR CAPITAL LLC<br>3224 CHURCH STREET<br>POUGHKEEPSIE NY 12601 |
| | 22 | 876214 | GIULIO MAZZARELLI – TRUSTEE<br>32 SCHOOLHOUSE LANE<br>POUGHKEEPSIE NY 12603 |
| | 23 | 877219 | GIULIO MAZZARELLI – TRUSTEE<br>32 SCHOOLHOUSE LANE<br>POUGHKEEPSIE NY 12603 |
| | 24 | 878222 | GIULIO MAZZARELLI – TRUSTEE<br>32 SCHOOLHOUSE LANE<br>POUGHKEEPSIE NY 12603 |
| | 25 | 889224 | JOHN P. LEONARD<br>4 KEITH PLACE<br>POUGHKEEPSIE NY 12603 |
| | 26 | 892222 | JOHN P. LEONARD<br>4 KEITH PLACE<br>POUGHKEEPSIE NY 12603 |
| | 27 | 895222 | JOHN P. LEONARD<br>4 KEITH PLACE<br>POUGHKEEPSIE NY 12603 |

## ADJOINING PROPERTY OWNER LEGEND

| ZONE | ID No. | LOT No. | PRIMARY OWNER/ADDRESS |
|---|---|---|---|
| R-4 | 28 | 898221 | 3 GEMMS REALTY LLC<br>30 MANCHESTER ROAD<br>POUGHKEEPSIE, NY 12603 |
| | 29 | 900220 | JOHN LEONARD<br>4 KEITH PLACE<br>POUGHKEEPSIE, NY 12603 |
| | 30 | 909213 | JOHN P. LEONARD<br>4 KEITH PLACE<br>POUGHKEEPSIE, NY 12603 |
| | 31 | 914214 | LORY PROPERTIES CORP.<br>P.O. BOX 235<br>STORMVILLE, NY 12582 |
| | 32 | 917213 | 333 MANSION LLC<br>35 MILE HILL ROAD<br>HIGHLAND, NY 12528 |
| | 33 | 920209 | SHANE BARTHOLOMEW<br>70 WHITTIER BLVD<br>POUGHKEEPSIE, NY 12603 |
| | 34 | 923208 | TURNOVER 2 LLC<br>117 EXECUTIVE DRIVE<br>NEW WINDSOR, NY 12553 |
| | 35 | 927207 | MICHAEL HOMAK<br>184 MILL STREET<br>POUGHKEEPSIE, NY 12601 |
| | 36 | 931207 | JAMES DOLFINGER<br>186 MILL STREET<br>POUGHKEEPSIE, NY 12601 |
| | 37 | 934206 | KMM PROPERTIES LLC<br>46 VASSAR ROAD<br>POUGHKEEPSIE NY 12603 |
| | 38 | 937205 | TONIO CAPPIELLO<br>192 MILL STREET<br>POUGHKEEPSIE NY 12601 |
| | 39 | 940204 | TONIO CAPPIELLO<br>192 MILL STREET<br>POUGHKEEPSIE NY 12601 |
| | 40 | 943203 | JOSHUA TAYLOR<br>194 MILL STREET<br>POUGHKEEPSIE, NY 12601 |
| | 41 | 947204 | VICTOR JOSEPH TROCINO<br>158 MORTON ROAD<br>RHINRBECK, NY 12572 |
| | 42 | 945199 | T.J. ASSOCIATES INC.<br>P.O. BOX 5310<br>POUGHKEEPSIE NY 12602 |
| R-4A | 43 | 855143 | MARSHALL & STERLING REALTY INC.<br>110 MAIN STREET<br>POUGHKEEPSIE NY 12601 |
| | 44 | 881134 | MARSHALL & STERLING REALTY INC.<br>110 MAIN STREET<br>POUGHKEEPSIE NY 12601 |
| | 45 | 884129 | BURTON GOLD PROPERTIES LLC<br>12 RAYMOND AVE NE<br>POUGHKEEPSIE, NY 12603 |
| | 46 | 920123 | NORTH EASTERN CONFERENCE CORP.<br>115-50 MERRICK BLVD.<br>JAMAICA, NY 11434 |
| R-4A | 47 | 941153 | CMRC LTD<br>4 BRIDGE STREET<br>BROADALBIN, NY 12025 |
| | 48 | 947163 | NORTH EASTERN CONFERENCE CORP.<br>115-50 MERRICK BLVD.<br>JAMAICA, NY 11434 |
| | 49 | 951174 | NORTH EASTERN CONFERENCE CORP.<br>115-50 MERRICK BLVD.<br>JAMAICA, NY 11434 |
| | 50 | 952178 | NORTH EASTERN CONFERENCE CORP.<br>115-50 MERRICK BLVD.<br>JAMAICA, NY 11434 |
| | 51 | 954182 | NORTH EASTERN CONFERENCE CORP.<br>115-50 MERRICK BLVD.<br>JAMAICA, NY 11434 |
| | 52 | 955186 | ANGELA LEMOS<br>25 N. BRIDGE STREET<br>POUGHKEEPSIE NY 12601 |
| | | | |
| | | | |

*THIS DRAWING IS FOR SCHEMATIC DESIGN PURPOSES ONLY AND IS NOT INTENTED FOR CONSTRUCTION. ACTUAL CONSTRUCTION DRAWINGS, AND SUBSEQUENT CONSTRUCTION MAY DIFFER SIGNIFICANTLY FROM THIS REPRESENTATION.

TINKELMAN ARCHITECTURE
25 Van Wagner Road,
Poughkeepsie,
New York 12603
www.tinkarch.com

CLIENT NAME:
OMNI NEW YORK
909 THIRD AVE., 21st FLR.
NEW YORK CITY, NY 10022

PROJECT NAME:
ADMIRAL HALSEY II
135 MAIN STREET
POUGHKEEPSIE, NY 12601

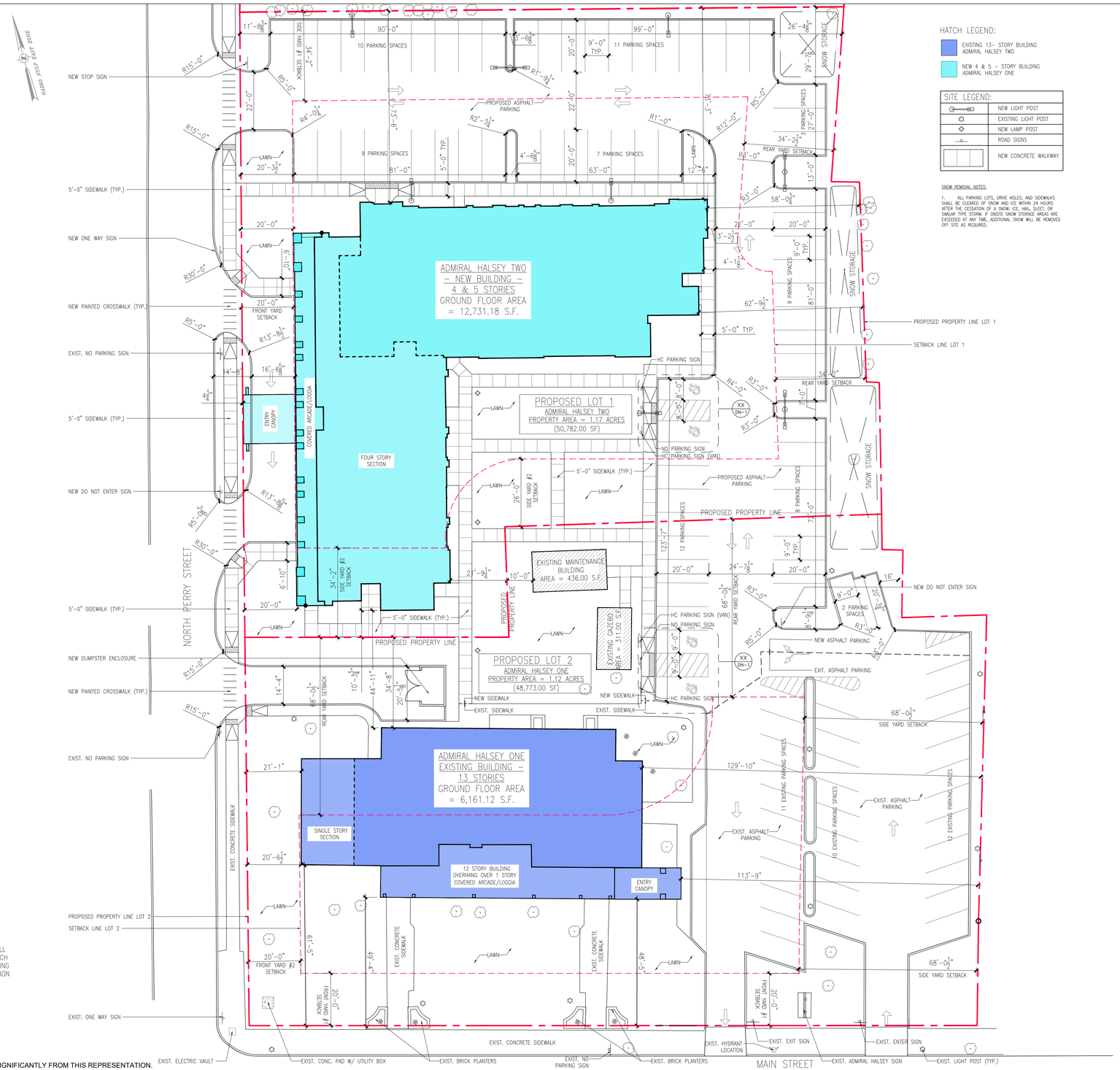
REGISTERED ARCHITECT STEVEN TINKELMAN 18528 STATE OF NEW YORK

ADJOINING PROPERTIES MAP

Date: 2021.06.22
Project number: Y1629.20

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HATCH LEGEND:

- EXISTING 13– STORY BUILDING ADMIRAL HALSEY TWO
- NEW 4 & 5 – STORY BUILDING ADMIRAL HALSEY ONE

| SITE LEGEND: | |
|---|---|
| | NEW LIGHT POST |
| | EXISTING LIGHT POST |
| | NEW LAMP POST |
| | ROAD SIGNS |
| | NEW CONCRETE WALKWAY |

SNOW REMOVAL NOTES:

1. ALL PARKING LOTS, DRIVE AISLES, AND SIDEWALKS SHALL BE CLEARED OF SNOW AND ICE WITHIN 24 HOURS AFTER THE CESSATION OF A SNOW, ICE, HAIL, SLEET, OR SIMILAR TYPE STORM. IF ONSITE SNOW STORAGE AREAS ARE EXCEEDED AT ANY TIME, ADDITIONAL SNOW WILL BE REMOVED OFF SITE AS REQUIRED.

① SITE PLAN
1"=20'-0"

GRAPHIC SCALE

0 10' 20' 40'
1"=20'-0"

PLANNING BOARD NOTES:

1. PRIOR TO THE START OF CONSTRUCTION OR EXCAVATION, TREES TO BE RETAINED SHALL BE PROTECTED BY A SILT FENCE, SNOW FENCE, CONSTRUCTION FENCE OR EQUAL WHICH WILL BE PLACED AT THE DRIP LINE OR SEVERAL FEET BEYOND. HOWEVER, THE FENCING SHALL NOT CROSS PUBLIC SIDEWALKS. NO STORAGE OR STOCKPILING OF CONSTRUCTION MATERIALS, DEBRIS OR EQUIPMENT SHALL OCCUR WITHIN THE FENCED AREA.
2. REFER TO CIVIL DRAWING SHEET DN–1 FOR THE FOLLOWING DETAILS:
   a. ACCESSIBLE PARKING SPACES.
   b. TYPICAL PARKING SPACES.
   c. PAVING DETAILS.
   d. CURB/SIDEWALK DETAILS.
   e. H.C. RAMP/CURB CUT DETAIL.

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ADMIRAL HALSEY II

135 MAIN STREET
POUGHKEEPSIE, NY 12601

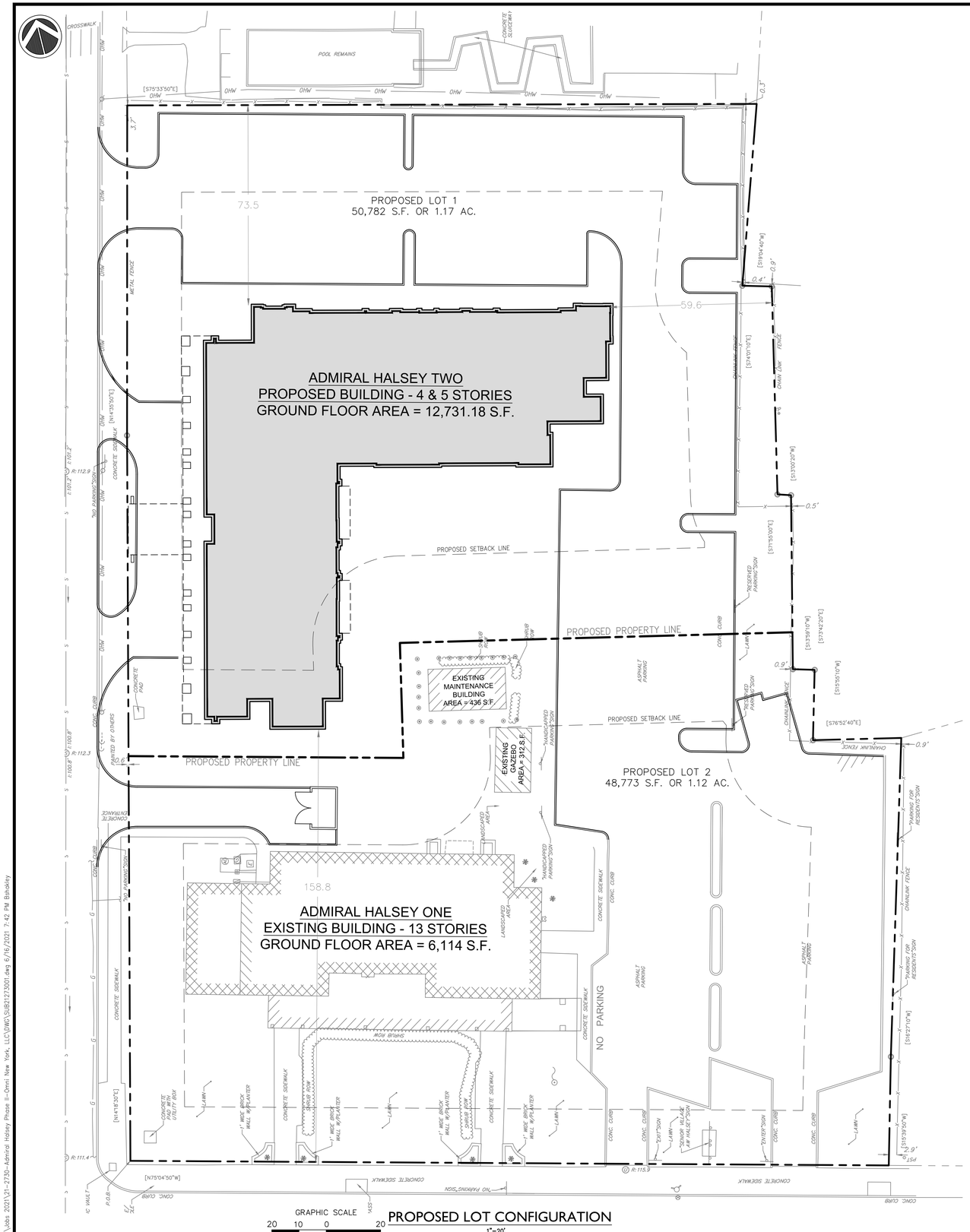
REGISTERED ARCHITECT STEVEN TINKELMAN 18528 STATE OF NEW YORK

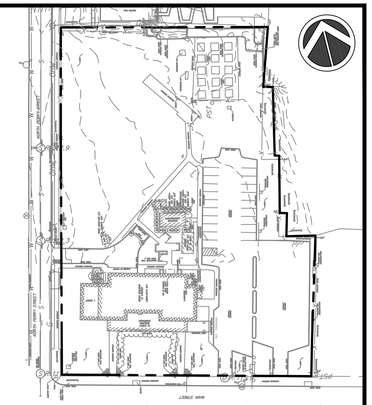
SITE PLAN

Date: 2021.06.22
Project number: Y1629.20

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## LOT AREA CHART

| PROPOSED LOT # | AREA |
|---|---|
| 1 | 50,782 SF OR 1.7 AC. |
| 2 | 48,773 SF OR 1.12 AC. |
| TOTAL | 99,555 SF OR 2.29 AC. |

## DUTCHESS COUNTY DEPARTMENT OF HEALTH NOTE

THIS PLAN DOES NOT CONSTITUTE A REALTY SUBDIVISION AS DEFINED BY ARTICLE XI, TITLE II, SECTION 115, OF THE PUBLIC HEALTH LAW OF THE STATE OF NEW YORK, AND ARTICLE XI OF THE DUTCHESS COUNTY SANITARY CODE.

PERMISSION IS HEREBY GRANTED FOR THE FILING OF THIS MAP WITH THE CLERK OF DUTCHESS COUNTY. APPROVAL FOR ARRANGEMENTS FOR WATER SUPPLY AND / OR SANITARY DISPOSAL IS NEITHER SOUGHT NOR GRANTED.

AUTHORIZED REPRESENTATIVE OF THE COMMISSIONER OF HEALTH

DATE

## OWNER / APPLICANT CERTIFICATION

THE UNDERSIGNED, OWNER/APPLICANT OF THIS PROPERTY SHOWN HEREON, AND THE APPLICANT, HEREBY CERTIFY THAT WE ARE FAMILIAR WITH THIS MAP, ITS CONTENTS AND DETAILS, AND HEREBY AGREE TO THE TERMS AND CONDITIONS EXPRESSED HEREON, AND TO FILING OF THIS MAP IN THE OFFICE OF THE DUTCHESS COUNTY CLERK.

OWNER/APPLICANT

DATE

ZONING R-6

STATE OF NEW YORK
RODNEY E. MORRISON
LICENSED LAND SURVEYOR
074194

| Revisions | | |
|---|---|---|
| No. | Date | Description |

LRC GROUP
- Land Planning
- Civil Engineering
- Environmental Services
- Land Surveying
- Landscape Architecture

160 West Street, Suite E
Cromwell, CT 06416
Tel: 860.635.2877

85 Civic Center Plaza, Suite 103
Poughkeepsie NY 12601
Tel: 845.243.2880

1 International Blvd, Suite 400
Mahwah, NJ 07495
Tel: 908.603.5730

www.lrcconsult.com
LRC Engineering & Surveying, DPC
LRC Engineering & Surveying, LLC
LRC Environmental Services, Inc.

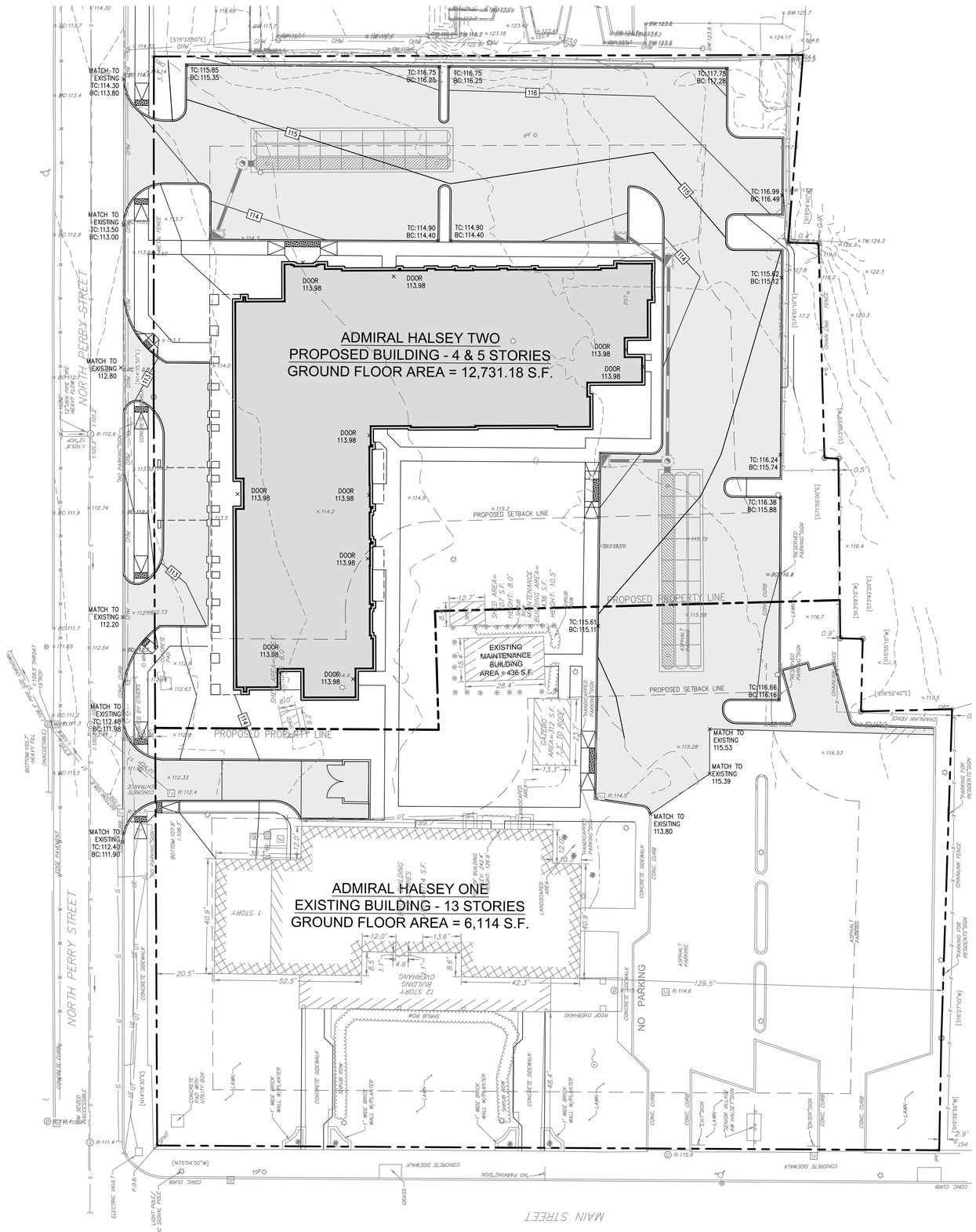
# SUBDIVISION PLAT

## ADMIRAL HALSEY II

125 MAIN STREET
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NEW YORK

| | | | | | |
|---|---|---|---|---|---|
| Design/Calcs | BS | CAD File | SUB21273001.dwg | Sheet No. | SUB-1 |
| Drawn | SMC | Project No. | 20-2370 | | |
| Checked | KFC | Date | 2021-06-22 | | |
| Approved | REM | Scale | AS NOTED | | |

X:\JOBS\Jobs 2021\21-2730-Admiral Halsey Phase II-Omni New York, LLC\DWG\SUB21273001.dwg 6/16/2021 7:42 PM Bahakley




## COMPACTION AND BACKFILL NOTES

UNLESS OTHERWISE SPECIFIED OR APPROVED BY THE SITE ENGINEER, ALL SITE SUBGRADE AND BACKFILL FOR ALL STRUCTURES INCLUDING, BUT NOT LIMITED TO, PARKING LOT SUBGRADE, ROAD SUBGRADE, CONCRETE PADS AND SIDEWALKS, WATER LINES AND STRUCTURES, SEWER LINES AND STRUCTURES, STORM LINES AND STRUCTURES, TRASH PADS/ENCLOSURES, AND SITE ELECTRICAL AND CONDUIT, SHALL BE COMPACTED IN ACCORDANCE WITH THE FOLLOWING STANDARD.

METHODS OF CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION (NYSDOT) STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, DATED MAY 1, 2008, AND ALL ADDENDA THERETO

## GRADING AND DRAINAGE NOTES

1. ALL EXISTING STRUCTURES NOTED TO BE REMOVED, FENCING, TREES, ETC., WITHIN CONSTRUCTION AREA SHALL BE REMOVED & DISPOSED OF OFF SITE. ANY BURNING ON SITE SHALL BE SUBJECT TO LOCAL ORDINANCES.
2. CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES HAVING UNDERGROUND UTILITIES ON SITE OR IN RIGHT-OF-WAY PRIOR TO EXCAVATION. CONTRACTOR SHALL CONTACT UTILITY LOCATING COMPANY AND LOCATE ALL UTILITIES PRIOR TO GRADING START.
3. SITE GRADING SHALL NOT PROCEED UNTIL EROSION CONTROL MEASURES HAVE BEEN INSTALLED.

## LEGEND

- PROPOSED ASPHALT
- X 162 — PROPOSED SPOT ELEVATION
- 162 — PROPOSED MINOR CONTOUR LINE
- 160 — PROPOSED MAJOR CONTOUR LINE

GRAPHIC SCALE
20 10 0 20
SCALE IN FEET

STATE OF NEW YORK
PROPHETE MORRISON
074194
LICENSED PROFESSIONAL ENGINEER

| Revisions | | |
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| | Date | Description |

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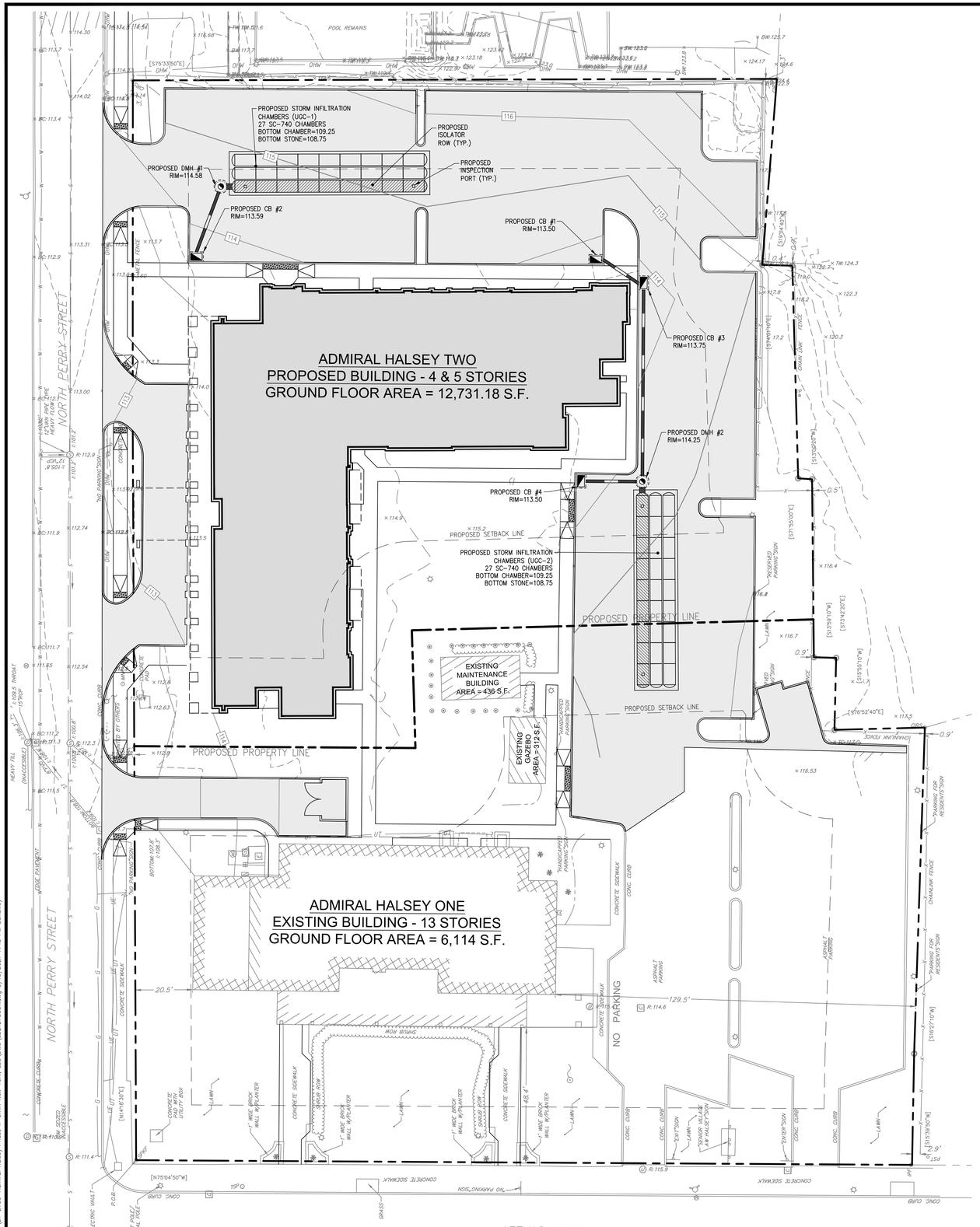
# SITE GRADING PLAN

## ADMIRAL HALSEY II

125 MAIN STREET
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NEW YORK

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| Design/Calcs | BS | CAD File | SG21273001.dwg | Sheet No. |
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| Approved | REM | Scale | 1"=20' | |

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## LEGEND

PROPOSED ASPHALT

PROPOSED STORM PIPE

GRAPHIC SCALE

20 10 0 20

SCALE IN FEET

STATE OF NEW YORK
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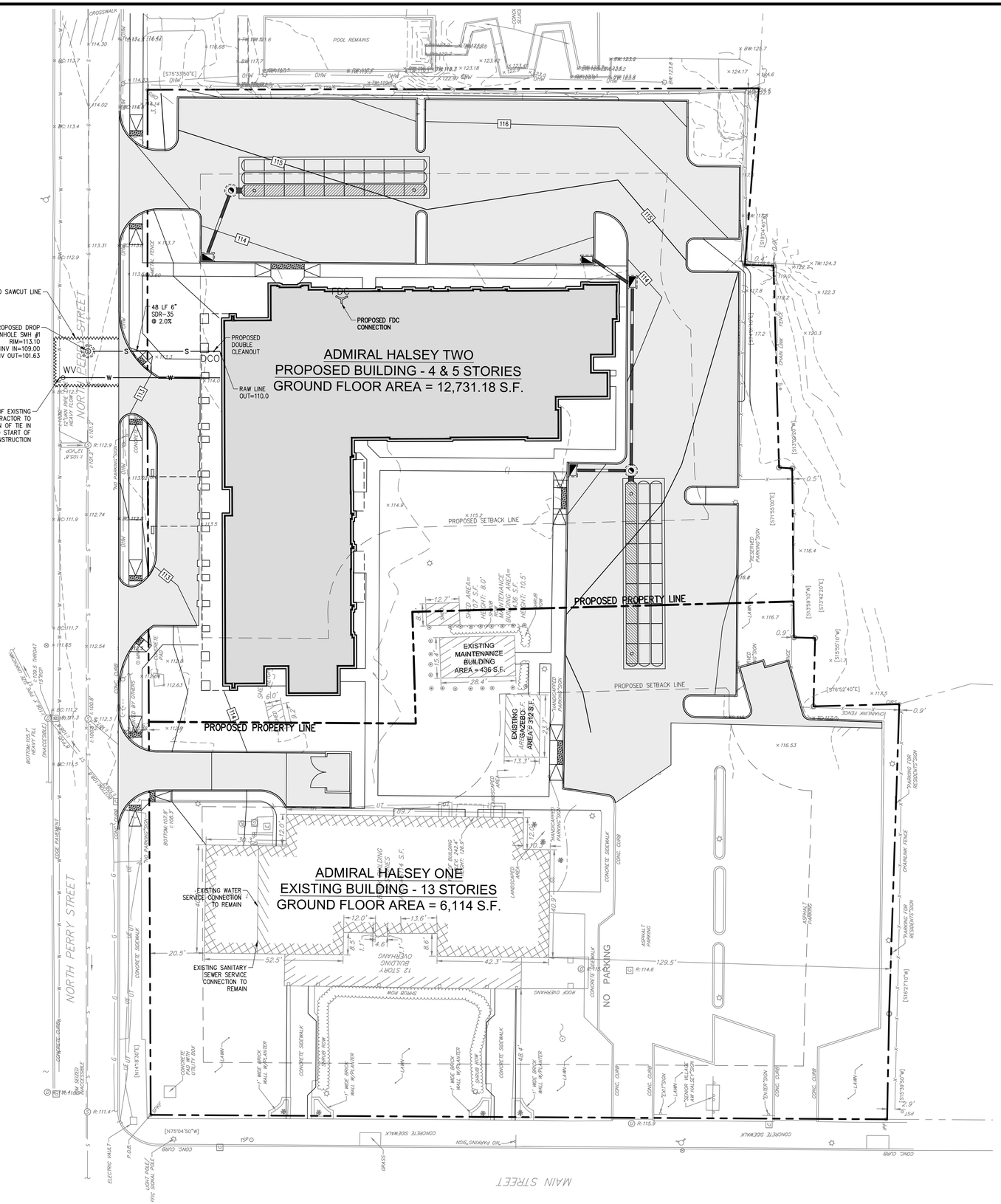

# SITE DRAINAGE PLAN

## ADMIRAL HALSEY II

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CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NEW YORK

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| Drawn | SMC | Project No. | 20-2370 | SD-1 |
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| Approved | REM | Scale | 1"=20' | |

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## LEGEND

- S — PROPOSED SANITARY SERVICE
- W — PROPOSED WATER SERVICE
- DCO — PROPOSED DOUBLE SANITARY CLEANOUT
- WSO — PROPOSED WATER SHUT OFF VALVE
- PROPOSED SANITARY MANHOLE
- PROPOSED SAWCUT

## CONTRACTOR NOTES

1. BACKFLOW PREVENTION IS REQUIRED FOR BOTH THE FIRE AND DOMESTIC WATER SERVICE CONNECTIONS.
2. TAPPING SLEEVE VALVE AND CURB VALVE IN THE STREET ARE TO BE RIGHT OPEN PER CITY OF POUGHKEEPSIE DPW REQUIREMENTS.

SEE NS-1 FOR WATER / SEWER NOTES

GRAPHIC SCALE
20 10 0 20
SCALE IN FEET

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075159

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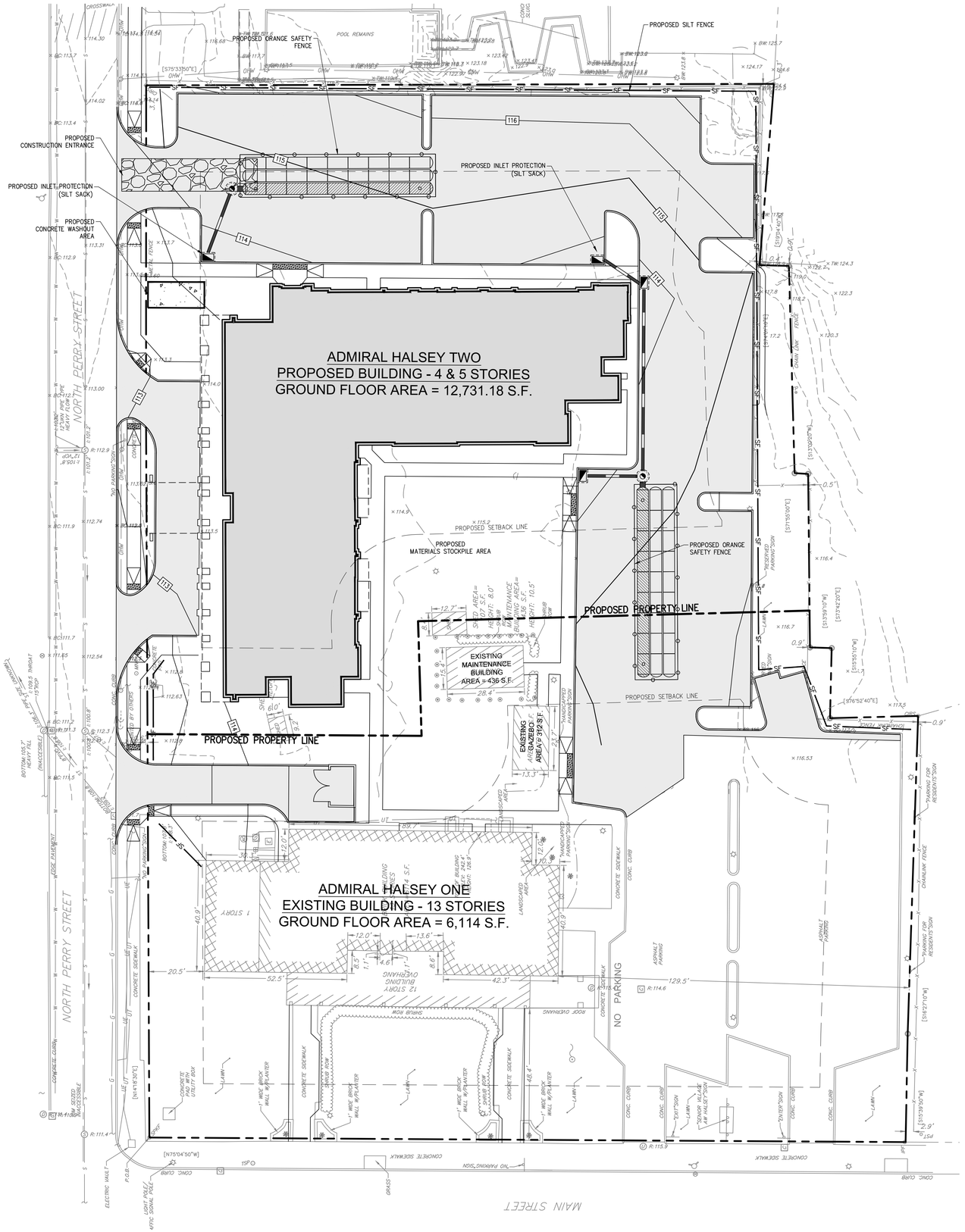
# UTILITIES PLAN

## ADMIRAL HALSEY II

125 MAIN STREET
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NEW YORK

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# CITY OF POUGHKEEPSIE EROSION AND SILTATION CONTROL NOTES

1. All unvegetated areas in excess of 10%, per direction of the Engineer, shall have temporary seeding of fast germinating rye, 10 to 15 #'s per 1,000 sq. ft.
2. Graded areas – upper elevations: Provide temporary drainage swales, 1% grade min., to direct runoff away from construction sites. Discharge areas to be acceptable to the Engineer.
3. Graded areas – lower elevations: Provide drainage swales, 1% min. grades, with staked and secured hay bale siltation. Location of hay bales and discharge areas per approval of Engineer.
4. Permanent seeded areas for erosion control: Mixture of perennial rye and blue and red fescue grasses (50/50), 15 to 25 #'s per 1,000 sq. ft., mulching at 5# 's per 1,000 sq. ft., fertilizer – 5.10.5 at 5#'s per 1,000 sq. ft. (if determined necessary by Engineer), with pegging and netting for grades in excess of 15%.
5. All permanent drainage interceptor swales to be seeded per Item 4 also.
6. All erosion control shall be in accordance with the latest "Urban Erosion and Sediment Control Guidebook" of the Dutchess County Soil and Water Conservation District.
7. All areas shall be seeded and mulched as soon as possible.
8. Grade as needed and feasible to permit the use of conventional equipment for seed bed preparation, seeding and mulch application.
9. Scarify all compacted soils prior to applying topsoil.
10. Apply topsoil per Standard #6 Table 6.1 of the Soil Erosion Control Guide Book.
11. Seed mix shall be as follows:
    Ky. Blue grass 20 lbs/ac.
    Creeping Red Fescue 40 lbs/ac.

# LEGEND

- SF — PROPOSED SILT FENCE
- CE — PROPOSED CONSTRUCTION ENTRANCE
- PROPOSED INLET PROTECTION (SILT SACKS)
- PROPOSED SOIL MATERIALS STOCKPILE AREA WITH SILT FENCE IN LANDSCAPED AREAS. STOCKPILE IN ASPHALT AREAS SHALL HAVE A TARP COVERING AND MUST BE ANCHORED PROPERLY TO NOT LET SEDIMENT ESCAPE.

# EROSION AND SEDIMENT CONTROL PLAN

1. LAND DISTURBANCE WILL BE KEPT TO A MINIMUM; RESTABILIZATION WILL BE SCHEDULED AS SOON AS PRACTICABLE.
2. SILTATION FENCE WILL BE INSTALLED AT ALL CULVERT OUTLETS AND ALONG THE TOE OF ALL CRITICAL CUT AND FILL SLOPES.
3. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE NEW YORK STATE EROSION & SEDIMENT CONTROL "BLUE BOOK" 2005.
4. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO CONSTRUCTION WHENEVER POSSIBLE.
5. ALL CONTROL MEASURES SHALL BE MAINTAINED IN EFFECTIVE CONDITION THROUGHOUT THE CONSTRUCTION PERIOD.
6. ADDITIONAL CONTROL MEASURES SHALL BE INSTALLED DURING THE CONSTRUCTION PERIOD, IF NECESSARY OR REQUIRED.
7. SEDIMENT REMOVED FROM CONTROL STRUCTURES WILL BE DISPOSED OF IN A MANNER WHICH IS CONSISTENT WITH THE INTENT OF THE PLAN.
8. DUST CONTROL AND ANTI–TRACKING MAINTENANCE TO BE ADDRESSED AND RESOLVED ON A DAILY BASIS.

# INSTALLATION OF SEDIMENTATION AND EROSION CONTROL MEASURES

## I. SILTATION FENCE

A. DIG A SIX INCH TRENCH ON THE UPHILL SIDE OF THE DESIGNATED FENCE LINE LOCATION.

B. POSITION THE POST AT THE BACK OF THE TRENCH (DOWNHILL SIDE), AND HAMMER THE POST AT LEAST 2.0 FEET INTO THE GROUND.

C. LAY THE BOTTOM SIX INCHES OF THE FABRIC INTO THE TRENCH TO PREVENT UNDERMINING BY STORM WATER RUN–OFF.

D. BACKFILL THE TRENCH AND COMPACT.

# OPERATION AND MAINTENANCE OF SEDIMENTATION AND EROSION CONTROL MEASURES

## I. SILTATION FENCE

ALL SILTATION FENCES SHALL BE INSPECTED ONCE EVERY SEVEN DAYS. ALL DETERIORATED FABRIC AND DAMAGED POSTS SHALL BE REPLACED AND PROPERLY REPOSITIONED IN ACCORDANCE WITH THIS PLAN.

SEDIMENT DEPOSITS SHALL BE REMOVED FROM BEHIND THE FENCE WHEN THEY EXCEED A HEIGHT OF ONE FOOT.

## II. INLET PROTECTION

ALL INLET PROTECTION DEVICES SHALL BE INSPECTED DAILY BY THE QUALIFIED INSPECTOR TO ENSURE THAT SEDIMENT IS NOT ENTERING ANY STORM DRAIN INLETS. PROTECTION DEVICES ARE TO BE REPAIRED AND/OR REPLACED IF NOT FUNCTIONING AS DESIGNED.

# TEMPORARY VEGETATIVE STABILIZATION

1. ESTABLISHMENT OF TEMPORARY STANDS OF GRASS BY SEEDING AND MULCHING EXPOSED SOILS THAT WILL BE EXPOSED. SEED BARE SOIL WITHIN SEVEN (7) DAYS OF EXPOSURE, UNLESS CONSTRUCTION WILL BEGIN WITHIN FOURTEEN (14) DAYS. IF CONSTRUCTION IS SUSPENDED, OR SECTIONS COMPLETED, AREAS SHOULD BE SEEDED DOWN OR MULCHED DOWN IMMEDIATELY. THIS WILL TEMPORARILY STABILIZE THE SOIL WITH A VEGETATIVE COVER THAT WILL PREVENT DAMAGE FROM WIND AND WATER EROSION AND SEDIMENTATION.
2. INSTALLATION: FERTILIZING, SEEDING, AND MULCHING WILL BE USED AS A TEMPORARY E&S CONTROL MEASURE ON ALL NON–PAVED DISTURBED AREAS. EXPOSED SOILS NOT SUBJECT TO CONSTRUCTION TRAFFIC SHALL BE SEEDED OR COVERED BY MULCH WITHIN 7 DAYS, INCLUDING STOCKPILED SOIL MATERIALS. WITH REGARD TO THE TEMPORARY SEED MIX, REFER TO THE SEEDING MIXTURE TABLE PROVIDED ON THE E&S CONTROL PLAN DETAIL SHEET.
3. OPERATIONS AND MAINTENANCE: INSPECT SEEDED AREA AT LEAST ONCE A WEEK FOR SEED AND MULCH MOVEMENT AND RILL EROSION. WHERE SEED HAS MOVED OR WHERE SOIL EROSION HAS OCCURRED, DETERMINE CAUSE OF THE FAILURE. BIRD FEEDING MAY BE A PROBLEM IF MULCH WAS APPLIED TOO THINLY TO PROTECT SEED. RE–SEED AND RE–MULCH. IF MOVEMENT WAS A RESULT OF WIND, REPAIR EROSION DAMAGE, REAPPLY SEED, MULCH AND APPLY MULCH ANCHORING. IF FAILURE WAS CAUSED BY CONCENTRATED RUNOFF, INSTALL ADDITIONAL MEASURES TO CONTROL WATER AND SEDIMENT MOVEMENT, REPAIR EROSION DAMAGE, RE–SEED AND RE–APPLY MULCH WITH ANCHORING OR USE EROSION CONTROL BLANKET.

# SEEDING AND MULCHING

ANY DISTURBED AREAS THAT WILL BE LEFT EXPOSED FOR MORE THAN 7 DAYS AND NOT SUBJECT TO CONSTRUCTION TRAFFIC, SHALL IMMEDIATELY RECEIVE SEEDING AND MULCHING. DISTURBED AREAS SHALL BE LIMITED AND BE COVERED WITH A LAYER OF TOPSOIL PRIOR TO SEEDING. SEEDING WILL BE INSPECTED FOR BARE SPOTS, WASH OUTS, AND HEALTHY GROWTH. IF REQUIRED ADDITIONAL SEEDING SHALL BE PERFORMED. THE SEED MIX SPECIFIED FOR THIS SITE IS FROM THE NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL, TABLE 3.2 (SITE CHOICE 1B) WHICH IS AS FOLLOWS:

| | Pure Live Seed Values | |
|---|---|---|
| SPECIES (% by weight) | lbs/1000SF | lbs/acre |
| 15% fine fescue | 2.0 – 2.6 | 85 – 114 |
| 20% perrenial ryegrass | 0.6 – 0.8 | 26 – 35 |
| 65% kentucky bluegrass blend | 0.4 – 1.6 | 19 – 26 |
| | 3.0 – 4.0 | 130 – 175 |

GRAPHIC SCALE
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SCALE IN FEET

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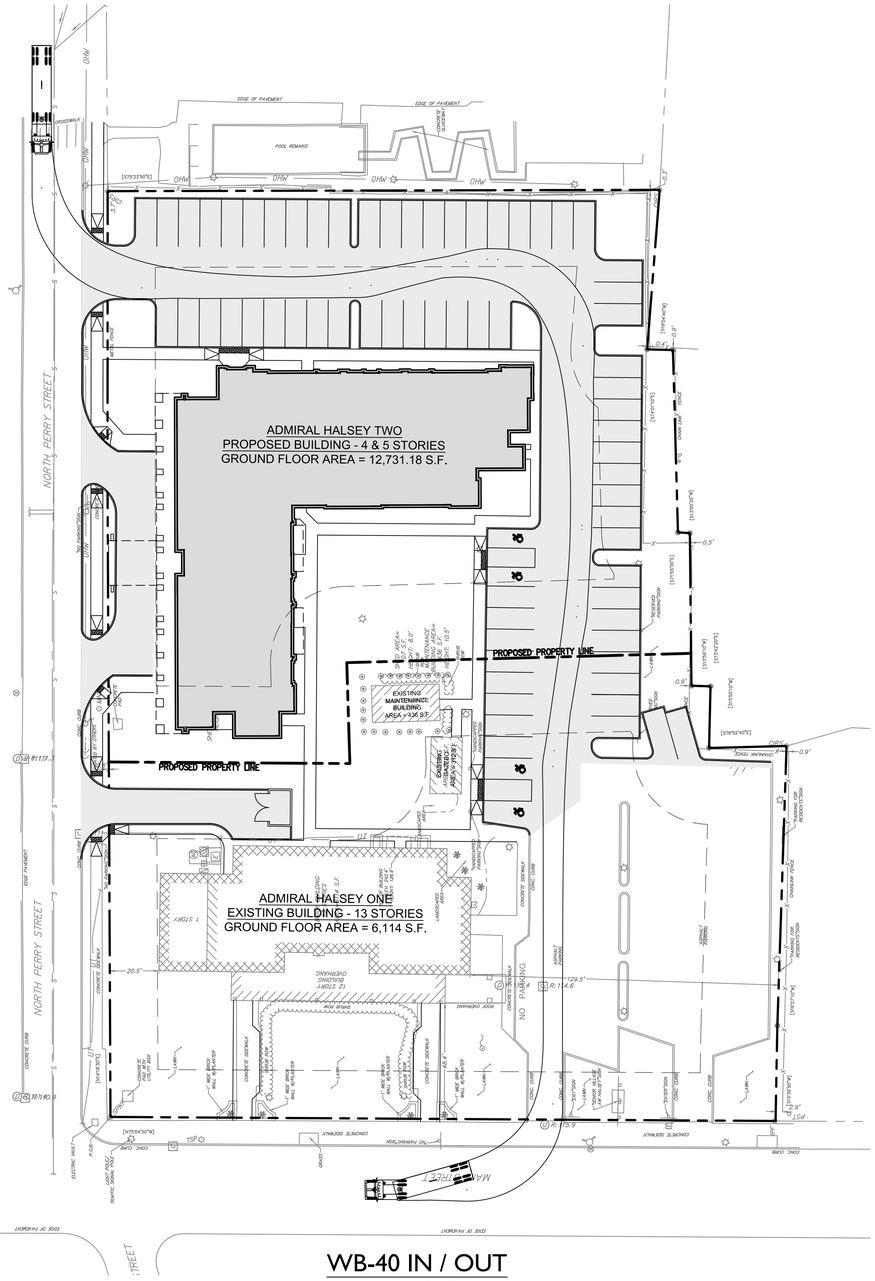

# EROSION AND SEDIMENTATION CONTROL PLAN

## ADMIRAL HALSEY II

125 MAIN STREET
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NEW YORK

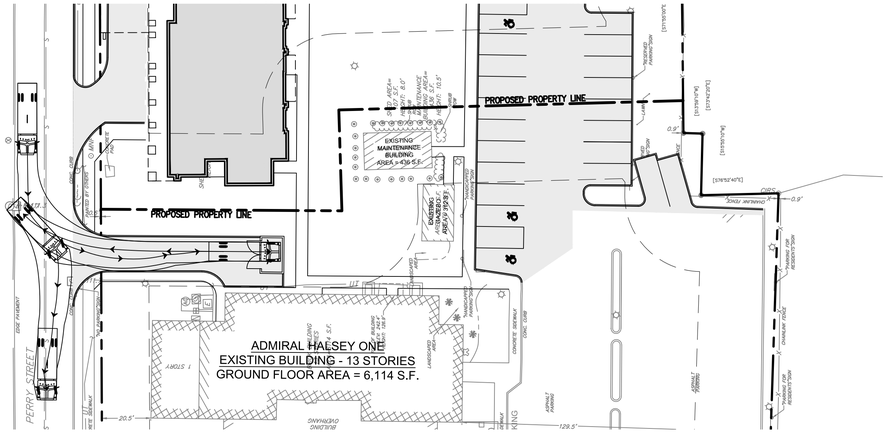
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## WB-40 IN / OUT

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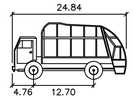

## REFUSE VEHICLE

SCALE: 1"=30'

GRAPHIC SCALE

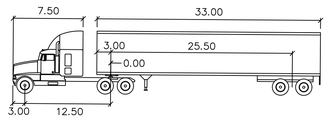
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SCALE IN FEET




Refuse Vehicle

| | feet |
|---|---|
| Width | : 7.87 |
| Track | : 7.41 |
| Lock to Lock Time | : 6.0 |
| Steering Angle | : 26.5 |




WB-40

| | feet | | |
|---|---|---|---|
| Tractor Width | : 8.00 | Lock to Lock Time | : 6.00 |
| Trailer Width | : 8.00 | Steering Angle | : 20.30 |
| Tractor Track | : 8.00 | Articulating Angle | : 70.00 |
| Trailer Track | : 8.00 | | |

WB-40 UTILIZED FOR ALL FIRE TRUCK MOVEMENTS

STATE OF NEW YORK
RODNEY E. MORRISON
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LICENSED PROFESSIONAL ENGINEER

| No. | Description | Date |
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# TRUCK TURNING PLAN

## ADMIRAL HALSEY II

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CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NEW YORK

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# CITY OF POUGHKEEPSIE WATER NOTES

1. ALL WATER MAINS SHALL BE CEMENT LINED DUCTILE IRON PIPE, CLASS 52 PUSH-ON JOINT, UNLESS OTHERWISE SPECIFIED BY OR APPROVED BY THE CITY OF POUGHKEEPSIE WATER DEPARTMENT. JOINTING SHALL EMPLOY "MEGALUG" CONNECTIONS, FIELD LOCK GASKET, OR AS ALTERNATIVELY SPECIFIED BY THE CITY OF POUGHKEEPSIE WATER DEPARTMENT. ALL WATER PIPING CONSTRUCTION SHALL BE TO THE SPECIFICATIONS OF THE CITY OF POUGHKEEPSIE WATER DEPARTMENT. WET TAP OF PUBLIC WATER SYSTEM SHALL BE APPROVED AND SUPERVISED BY THE CITY OF POUGHKEEPSIE WATER DEPARTMENT. TAPPING SLEEVE SHALL BE STAINLESS STEEL OR APPROVED EQUAL. ALL MAINLINE VALVES SHALL BE RESILIENT WEDGE OR APPROVED EQUAL.

2. THE WATER LINE MAY BE FLEXED WITHIN PIPE SPECIFICATIONS OR LAID DEEPER IN AREAS WHERE A CROSSING WITH A SANITARY LINE OCCURS, TO ACHIEVE THE REQUIRED 1.5' VERTICAL SEPARATION DISTANCE. IF THIS DISTANCE CANNOT BE REASONABLY ACHIEVED, THE CONTRACTOR SHALL USE PRESSURE RATED SANITARY PIPE OF EQUAL OR GREATER RATING THAN THE PRESSURE CLASS FOR THE WATER LINE.

3. MINIMUM VERTICAL SEPARATION BETWEEN WATER MAINS AND SEWER PIPE SHALL BE 18 INCHES MEASURED FROM THE OUTSIDE OF THE PIPES AT THE POINT OF CROSSING. ONE FULL STANDARD LAYING LENGTH OF WATER MAIN SHALL BE CENTERED UNDER OR OVER THE SEWER SO THAT BOTH JOINTS WILL BE AS FAR FROM THE SEWER LINE AS POSSIBLE. IN ADDITION, WHEN THE WATER MAIN PASSES UNDER A SEWER, ADEQUATE STRUCTURAL SUPPORT (COMPACTED SELECT FILL) SHALL BE PROVIDED FOR THE SEWER TO PREVENT EXCESSIVE DEFLECTION OF JOINTS AND SETTLING OF THE SEWER PIPE ON THE WATER MAIN. MINIMUM HORIZONTAL SEPARATION BETWEEN PARALLEL WATER MAINS AND SEWER PIPES (INCLUDING MANHOLES AND VAULTS) SHALL BE 10 FEET MEASURED FROM THE OUTSIDE OF THE PIPES, MANHOLES, OR VAULTS.

4. ALL WATER MAINS SHALL HAVE A MINIMUM OF (5) FIVE FEET OF COVER FROM THE TOP OF THE MAIN TO FINISHED GRADE. THE CONTRACTOR SHALL CHECK ALL FINISHED GRADE STAKES BEFORE TRENCHING TO ENSURE THAT ALL INSTALLED WATER MAINS WILL HAVE THE REQUIRED COVER.

5. THE SUPPLIER OF WATER MUST RECEIVE AT LEAST 48-HOUR ADVANCE NOTIFICATION REQUESTING SAMPLING SERVICES. SAMPLING WILL NOT BE PERFORMED PRIOR TO RECEIPT FROM A NEW YORK STATE LICENSED OR REGISTERED DESIGN PROFESSIONAL (ENGINEER, ARCHITECT, OR LAND SURVEYOR WITH A SPECIAL EXEMPTION UNDER SECTION 7208(N) OF THE EDUCATION LAW) CERTIFYING THAT THE WATER SUPPLY IMPROVEMENTS, TESTING AND DISINFECTION PROCEDURES WERE COMPLETED IN ACCORDANCE WITH THE APPROVED PLANS, REPORTS, SPECIFICATIONS, AND ANY APPROVED AMENDMENTS. A NYSDOH CERTIFIED LABORATORY WILL COLLECT SAMPLES FOR FREE CHLORINE RESIDUAL, TOTAL, AND FECAL COLIFORM AND 24-HOUR BACTERIAL PLATE COUNT. THE CERTIFICATE OF COMPLIANCE, TESTING, AND SAMPLING RESULTS SHALL BE PROVIDED TO THE CITY WATER MAINTENANCE SUPERVISOR AND DUTCHESS COUNTY DEPARTMENT OF HEALTH AS A CONDITION OF APPROVAL FOR OPERATION.

6. THE CONTRACTOR SHALL COORDINATE THE TESTING WITH THE WATER DEPARTMENT SO AS TO MAINTAIN THE AMOUNT OF SERVICE INTERRUPTION TO EXISTING USERS TO THE LEAST EXTENT PRACTICABLE. WATER MAIN INSTALLATION AND TESTING SHALL BE PERFORMED UNDER THE SUPERVISION OF THE PROJECT ENGINEER OR HIS DESIGNEE AS NECESSARY TO MEET CONDITIONS IN NOTE 5 ABOVE.

7. THE WATER MAIN SHALL BE PRESSURE LEAKAGE TESTED IN ACCORDANCE WITH THE MINIMUM REQUIREMENTS OF THE AWWA STANDARD C600 (LATEST REVISION) OR IN ACCORDANCE WITH MORE STRINGENT REQUIREMENTS IMPOSED BY THE SUPPLIER OF WATER. TEST TO FIRST VALVE WITHIN BUILDING.

8. THE WATER MAIN SHALL BE DISINFECTED EQUAL TO AWWA STANDARD FOR DISINFECTING WATER MAINS DESIGNATION C651 (LATEST REVISION). FOLLOWING DISINFECTION, THE WATER MAIN SHALL BE FLUSHED UNTIL THE CHLORINE CONCENTRATION IN THE WATER LEAVING THE MAIN IS NO HIGHER THAN THAT GENERALLY PREVAILING IN THE SYSTEM. THE PROJECT ENGINEER OR HIS DESIGNEE SHALL ALSO WITNESS DISINFECTION AND FLUSHING.

9. ALL WATER MAIN FITTINGS NOT RECEIVING 24-HOUR CHLORINE DISINFECTION CONTACT TIME MUST BE SWAB-DISINFECTED 30 MINUTES PRIOR TO INSTALLATION.

10. THE SAMPLING POINT(S) MUST BE DECONTAMINATED BY FLAMING.

11. FIRE HYDRANTS ARE NOT ACCEPTABLE SAMPLING POINTS, UNLESS OTHERWISE APPROVED BY SITE ENGINEER AND CITY OF POUGHKEEPSIE WATER DEPARTMENT.

12. FIRE HYDRANT WEEP HOLES (DRAINS) SHALL BE PLUGGED WHEN GROUND WATER IS ENCOUNTERED WITHIN SEVEN FEET OF THE FINISHED GRADE. WHEN DRAINS ARE PLUGGED, THE BARRELS MUST BE PUMPED DRY AFTER USE DURING FREEZING WEATHER. SUCH HYDRANTS SHALL BE IDENTIFIED BY MARKINGS AS APPROVED BY THE CITY OF POUGHKEEPSIE.

13. PROPOSED WATER METERS LOCATED WITHIN THE METER PIT OR BUILDING SHALL BE A COMPATIBLE REMOTE STYLE TYPE (SENSUS), AND SHALL BE APPROVED BY THE CITY OF POUGHKEEPSIE WATER DEPARTMENT PRIOR TO INSTALLATION. WATER METER SHALL BE EQUIPPED WITH (RADIO TYPE REMOTE READER) TRANSCEIVER PROVIDED BY METER MANUFACTURER AND INSTALLED AND PROGRAMMED BY THE CITY OF POUGHKEEPSIE WATER DEPARTMENT.

14. THE WATER LINE SHALL BE INSTALLED AT A CONTINUOUS GRADE WITH NO ABRUPT HIGH POINTS OR LOW POINTS.

15. FINAL WATER DISTRIBUTION SYSTEM AND CERTIFICATION IS SUBJECT TO REVIEW, REVISION AND APPROVAL BY THE CITY OF POUGHKEEPSIE WATER DEPARTMENT AND THE DCDOH PRIOR TO APPROVAL TO OPERATE.

16. ALL WATER MAINS AND RELATED APPURTENANCES SHALL BE CONSTRUCTED TO THE LATEST STANDARDS AND SPECIFICATIONS OF THE CITY OF POUGHKEEPSIE.

17. THE WATER MAIN SHALL NOT BE PLACED INTO SERVICE UNTIL SO AUTHORIZED BY THE CITY OF POUGHKEEPSIE.

18. ALL WATER SERVICE CONSTRUCTION SHALL BE SUBJECT TO INSPECTION BY THE CITY WATER DEPARTMENT PRIOR TO BACKFILLING. BEDDING AND PIPE ZONE MATERIAL SHALL BE COMPOSED OF CRUSHED STONE OR LIGHT GRAVEL HAVING A GRADATION LIMIT OF 3/4" MINUS. AN ACCEPTABLE MATERIAL SHALL MEET THE FOLLOWING REQUIREMENT:

| SIEVE DESIGNATION | % PASSING |
|---|---|
| 3/4" | 100 |
| NO.40 | 0-70 |
| NO. 200 | 0-10 |

19. TRENCH BACKFILL SHALL BE WELL-GRADED SOIL AND GRAVEL MATERIAL. ALL PARTICLES SHALL HAVE A GRADATION OF 2" OR LESS. AN ACCEPTABLE MATERIAL SHALL MEET THE FOLLOWING REQUIREMENT:

| SIEVE DESIGNATION | % PASSING |
|---|---|
| 2 INCH | 100 |
| 1/4 INCH | 30-65 |
| NO. 40 | 5-40 |
| NO. 200 | 0-15 |

20. BEDDING AND BACKFILL MATERIAL SHALL BE STOCKPILED IN AMOUNTS NECESSARY FOR REASONABLE BACKFILLING REQUIREMENTS. A SIEVE ANALYSIS OF BEDDING OR BACKFILL MAY BE REQUIRED AT THE REQUEST OF THE CITY OF POUGHKEEPSIE.

21. THE SITE UTILITY CONTRACTOR SHALL BE RESPONSIBLE FOR ALL BURIED PIPING TO THE LOCATION OF THE PROPOSED BUILDING CONNECTION POINT (I.E. INSIDE THE BUILDING). THIS INCLUDES THE TESTING AND CERTIFICATION OF ALL WATER SERVICE WORK FROM THE CITY WATER CONNECTION POINT TO THE PROPOSED BUILDINGS INTERIOR CONNECTION POINT.

22. INDICATOR TAPE SHALL BE PLACED 12" BELOW FINISHED GRADE DIRECTLY ABOVE ALL WATERLINES.

23. ALL COPPER WATER SERVICE PIPING INSTALLATION, BACKFILL AND TESTING SHALL BE REVIEWED AND APPROVED BY THE CITY OF POUGHKEEPSIE WATER MAINTENANCE SUPERVISOR OR HIS DESIGNEE. BEDDING, PIPE ZONE, AND BACKFILL MATERIAL MUST BE SAND ONLY.

24. THE PIPE SUPPORTS FOR THE METER PIT SHALL BE MADE OF GALVANIZED STEEL AND SHALL BE ADJUSTABLE. THE SUPPORTS ARE TO BE PLACED ONLY BENEATH SPOOL PIECES AND NOT UNDER CRITICAL EQUIPMENT, METERS, ETC.

25. THREE AS-BUILT DRAWINGS WHICH INCLUDE VERIFICATION OF THE WATER INFRASTRUCTURE WILL BE PROVIDED TO THE PLANNING DEPARTMENT FOR DISSEMINATION TO THE ENGINEERING AND WATER DEPARTMENTS PRIOR TO ANY EASEMENT DEDICATION TO THE CITY.

# CITY OF POUGHKEEPSIE SANITARY SEWER NOTES

1. FLOOR DRAINS, IF CONSTRUCTED, SHALL BE CONNECTED TO THE SANITARY SEWER. FLOOR DRAINS DO NOT INCLUDE FOUNDATION/FOOTER DRAIN: ALL DISCHARGES TO THE SANITARY SEWER SHALL COMPLY WITH THE EFFLUENT LIMITS OF THE LOCAL AND/OR DUTCHESS COUNTY SANITARY CODE.

2. DEFLECTION TESTS SHALL BE PERFORMED ON ALL FLEXIBLE PIPES. THE TESTS SHALL BE CONDUCTED AFTER FINAL BACKFILL HAS BEEN IN PLACE AT LEAST 5 DAYS. NO PIPE SHALL EXCEED A DEFLECTION OF 5%. IF THE DEFLECTION TEST IS TO BE RUN USING A RIGID BALL OR MANDREL, IT SHALL HAVE A DIAMETER EQUAL TO 95% OF THE INSIDE DIAMETER OF THE PIPE. THE TEST SHALL BE PERFORMED WITHOUT MECHANICAL PULLING DEVICES.

3. SANITARY SEWERS AND APPURTENANCES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF THE CITY OF POUGHKEEPSIE. ALL SANITARY SEWER SYSTEM COMPONENTS SHALL BE INSTALLED BY OR UNDER THE SUPERVISION OF A CITY OF POUGHKEEPSIE LICENSED PLUMBER IN ACCORDANCE WITH THE CITY PLUMBING CODE.

4. MAJOR EARTHWORK SHALL BE COMPLETED PRIOR TO INSTALLATION OF ANY SANITARY SEWER MAINS AND APPURTENANCES. AIR CONNECTING SEWER LINES SHALL BE FLUSHED BEFORE TESTED.

5. MAXIMUM ALLOWABLE INFILTRATION OR EXFILTRATION SHALL NOT EXCEED 100 GALLONS PER INCH DIAMETER PER MILE OF PIPE PER DAY FOR THE SANITARY SEWER. IF AN AIR TEST IS USED, THE TEST, AS A MINIMUM, SHALL CONFORM TO THE PROCEDURE DESCRIBED IN THE ASTM -F-1417 (1992) ENTITLED "STANDARD PRACTICE FOR INSTALLATION ACCEPTANCE OF GRAVITY SEWER LINES USING LOW PRESSURE AIR" (RE-APPROVED 1998). SANITARY MANHOLES SHALL BE VISUALLY INSPECTED AND TESTED FOR LEAKAGE BY EXFILTRATION OR VACUUM. VACUUM TESTING OF MANHOLES SHALL COMPLY WITH THE METHOD OUTLINED IN THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION TECHNICAL INFORMATION PAMPHLET (TIP) NO.15 (REVISED).

6. SANITARY SEWER MAINS ARE TO BE POLYVINYL CHLORIDE (PVC) AND SANITARY LATERALS SHALL BE PVC, SDR-35, UNLESS OTHERWISE NOTED.

7. FINAL SEWER COLLECTION SYSTEM LAYOUT IS SUBJECT TO REVIEW, REVISION AND APPROVAL BY THE CITY OF POUGHKEEPSIE SEWER DEPARTMENT.

8. ALL SANITARY PIPE AND/OR MANHOLES SHALL BE A MINIMUM OF TEN (10) HORIZONTAL FEET FROM THE WATER MAIN. SANITARY PIPE SHALL HAVE A MINIMUM 18" SEPARATION FROM ANY WATER MAIN OR WATER SERVICE LINE. IF FOR SOME REASON THIS SEPARATION CANNOT BE ACHIEVED, SANITARY SEWER PIPE IN THE AREA SHALL BE SDR-26 PRESSURE RATED PIPE, (OR BE ENCASED PER THE DETAIL ON DN-3) AND ONE FULL LENGTH OF WATER MAIN SHALL BE CENTERED UNDER OR OVER THE SEWER. ALL SANITARY SEWER CONSTRUCTION SHALL BE TO SPECIFICATIONS OF THE CITY OF POUGHKEEPSIE SEWER DEPARTMENT.

9. ALL SANITARY TESTING SHALL BE PERFORMED UNDER THE SUPERVISION OF THE PROJECT ENGINEER, AND CERTIFICATES OF COMPLIANCE WITH THE INSTALLATION SPECIFICATIONS, TEST STANDARDS, APPROVED PLANS OR APPROVED AMENDMENTS SHALL BE PROVIDED TO THE APPROPRIATE SEWER AUTHORITY AND THE DCDOH AS A CONDITION OF APPROVAL FOR OPERATION.

10. ALL SANITARY SEWER CONSTRUCTION SHALL BE SUBJECT TO INSPECTION BY THE CITY SEWER SUPERINTENDENT PRIOR TO BACKFILLING. PIPE BEDDING AND PIPE ZONE MATERIAL SHALL BE COMPOSED OF CRUSHED STONE OR GRAVEL, FREE OF SOFT NONDURABLE PARTICLES WITH THE FOLLOWING GRADATION REQUIREMENTS:

| SIEVE DESIGNATION | % PASSING |
|---|---|
| 3/4" | 100 |
| NO.40 | 0-70 |
| NO. 200 | 0-10 |

ALL TRENCH BACKFILL MATERIAL SHALL BE APPROVED BY THE SUPERINTENDENT OF SEWERS AND MUST MEET THE FOLLOWING GRADATION REQUIREMENT:

| SIEVE DESIGNATION | % PASSING |
|---|---|
| 2 INCH | 100 |
| 1/4 INCH | 30-65 |
| NO.40 | 5-40 |
| NO. 200 | 0-15 |

BEDDING AND BACKFILL MATERIAL SHALL BE STOCKPILED IN AMOUNTS NECESSARY FOR REASONABLE BACKFILLING REQUIREMENTS. A SIEVE ANALYSIS OF BEDDING OR BACKFILL MAY BE REQUIRED AT THE REQUEST OF THE CITY OF POUGHKEEPSIE.

11. ALL NEW SANITARY SEWER MANHOLE COVERS SHALL BE NOMINAL 26" DIAMETER CAST IRON AND SHALL READ "SANITARY SEWER". FRAMES SHALL BE 8" IN HEIGHT AND THE FRAME AND COVER SHALL BE SYRACUSE CASTINGS NO.1 009 OR AN APPROVED EQUAL.

12. INDICATOR TAPE SHALL BE PLACED 12" BELOW FINISHED GRADE DIRECTLY ABOVE ALL SANITARY LINES.

13. LOCATION OF SEWER LATERAL CLEAN OUTS ARE TO BE PLACED AS SHOWN ON THE APPROVED SITE PLAN AND NOT TO EXCEED EVERY 75' MEASURED FROM THE SEWER MAIN CONNECTION OR AS DETERMINED BY THE CITY OF POUGHKEEPSIE SUPERINTENDENT OF SEWERS WHERE LOCATIONS ARE NOT SPECIFICALLY SHOWN.

14. EXTERNAL DROP MANHOLES SHALL BE USED FOR SEWERS ENTERING AT AN ELEVATION OF 24 INCHES OR HIGHER AT THE INLET OF A SEWER MANHOLE.

15. THREE AS-BUILT DRAWINGS WHICH INCLUDE VERIFICATION OF THE SEWER INFRASTRUCTURE INCLUDING RIMS AND INVERTS WILL BE PROVIDED TO THE PLANNING DEPARTMENT FOR DISSEMINATION TO THE ENGINEERING AND SEWER DEPARTMENTS PRIOR TO ANY EASEMENT DEDICATION TO THE CITY.

# DECOMPACTION OF SOILS IN RECLAIMED AREAS:

THESE PROCEDURES SHALL BE FOLLOWED PRIOR TO INSTALLATION OF TOP SOIL OR INFILTRATION PRACTICES IN ANY AREA PREVIOUSLY IMPERVIOUS OR COMPACTED BY COSTRUCTION EQUIPMENT. FOR ALL AREAS TO BE RECLAIMED FOR STORMWATER INFILTRATION, THE AREA SHALL BE MARKED OFF WITH ORANGE SAFETY FENCE AFTER DEMOLITION AND PRIOR TO DECOMPACTION TO PREVENT FURTHER COMPACTION OF THE UNDERLYING SOILS.

AREAS RECLAIMED AS TOP SOIL:

A. APPLY 3" OF COMPOST OVER SUBSOIL AFTER SUBGRADE LEVELS HAVE BEEN REACHED AND IMMEDIATELY PRIOR TO PLACING PLANTING SOILS.

B. THE ENTIRE SUBGRADE AREA SHALL BE LOOSENED TO A MINIMUM DEPTH OF 12 INCHES UTILIZING THE BUCKET OF A BACK HOE, CAT MOUNTED RIPPER, TILLER, OR EQUIVALENT EQUIPMENT. ROCK PICK UNTIL UPLIFTED STONE/ROCK MATERIAL OF FOUR INCHES AND LARGER SIZE HAVE BEEN CLEARED FROM THE SITE.

C. ANY SUBGRADE AREAS WHICH HAVE BECOME HEAVILY COMPACTED (DEFINED AS EXCEEDING 86%-88% COMPACTION ASTM 698 STANDARD PROCTOR) INCLUDING, BUT NOT LIMITED TO, TEMPORARY PARKING AREAS, MATERIAL STOCKPILE AREAS, TEMPORARY ROADWAYS, CONSTRUCTION AREAS AND AREAS AROUND THE BUILDING, OTHER CONSTRUCTION AREAS, AREAS SHOWN ON THE PLANS, OR AREAS IDENTIFIED BY THE DESIGN PROFESSIONAL SHALL BE DEEP-SCARIFIED. IMMEDIATELY PRIOR TO PLACING SOILS, HEAVILY COMPACTED AREAS SHALL BE LOOSENED TO A MINIMUM DEPTH OF 18 INCHES USING THE TEETH OF A BACK HOE OR OTHER SUITABLE EQUIPMENT. FREQUENCY OF COMPACTION TESTS SHALL BE ONE PER 500 SQUARE FEET.

D. CONFIRM THAT THE SUBGRADE IS AT THE PROPER ELEVATION AND THAT NO FURTHER EARTHWORK IS REQUIRED TO BRING THE SUBGRADE TO PROPER ELEVATIONS. PROVIDE A REPORT TO THE DESIGN PROFESSIONAL THAT THE SUBGRADE HAS BEEN PLACED TO THE REQUIRED ELEVATIONS, HAS BEEN DECOMPACTED ACCORDING TO THE CONTRACT DOCUMENTS AND IS READY FOR INSPECTION AT LEAST 3 DAYS PRIOR TO PLACING PLANTING SOIL. PERFORM NO WORK OF PLACING AND SPREADING PLANTING MIXED UNTIL ELEVATIONS HAVE BEEN CONFIRMED AND THE AREA HAS BEEN ACCEPTED BY THE OWNER'S REPRESENTATIVE.

E. AFTER THE SOILS HAVE BEEN LOOSENED AND INSPECTED, TOPSOIL MAY BE SPREAD BY USING A WIDE-TRACK BULLDOZER SIZE D-5 OR SMALLER OR MAY BE DUMPED AND SPREAD WITH THE BUCKET OF A BACKHOE FROM THE EDGE OF THE LOOSENED AREA. NO RUBBER-TIRED EQUIPMENT OR HEAVY EQUIPMENT EXCEPT FOR A SMALL BULLDOZER SHALL PASS OVER THE SUBSOILS (SUBGRADE) AFTER THEY HAVE BEEN LOOSENED. IF THE CONTRACTOR PLANS TO UTILIZE SUCH AREAS FOR ANY USE OF HEAVY EQUIPMENT, THIS SHOULD BE CARRIED OUT PRIOR TO BEGINNING THE PROCESS OF LOOSENING SOILS OR FILLING IN THAT AREA, OR IT WILL HAVE TO BE RESCARIFIED AND MEET THIS SPECIFICATION REQUIREMENT.

AREAS RECLAIMED FOR STORMWATER INFILTRATION PRACTICES:

A. EXCAVATE AREA TO THE DEPTH OF THE PROPOSED BOTTOM OF THE INFILTRATION PRACTICE.

B. THE ENTIRE SUBGRADE AREA SHALL BE LOOSENED TO A MINIMUM DEPTH OF 12 INCHES BELOW PROPOSED SUBGRADE UTILIZING THE BUCKET OF A BACK HOE, CAT MOUNTED RIPPER, TILLER, OR EQUIVALENT EQUIPMENT. ROCK PICK UNTIL UPLIFTED STONE/ROCK MATERIAL OF FOUR INCHES AND LARGER SIZE HAVE BEEN CLEARED FROM THE SITE.

C. ANY SUBGRADE AREAS WHICH REMAIN HEAVILY COMPACTED (DEFINED AS EXCEEDING 86%-88% COMPACTION ASTM 698 STANDARD PROCTOR), AS SHOWN ON THE PLANS, OR AREAS IDENTIFIED BY THE DESIGN PROFESSIONAL SHALL BE DEEP-SCARIFIED. IMMEDIATELY PRIOR TO PLACING SOILS, HEAVILY COMPACTED AREAS SHALL BE LOOSENED TO A MINIMUM DEPTH OF 18 INCHES USING THE TEETH OF A BACK HOE OR OTHER SUITABLE EQUIPMENT. FREQUENCY OF COMPACTION TESTS SHALL BE ONE PER 500 SQUARE FEET.

D. CONFIRM THAT THE SUBGRADE IS AT THE PROPER ELEVATION AND THAT NO FURTHER EARTHWORK IS REQUIRED TO BRING THE SUBGRADE TO PROPER ELEVATIONS. PROVIDE A REPORT TO THE DESIGN PROFESSIONAL THAT THE SUBGRADE HAS BEEN PLACED TO THE REQUIRED ELEVATIONS, HAS BEEN DECOMPACTED ACCORDING TO THE CONTRACT DOCUMENTS AND IS READY FOR INSPECTION AT LEAST 3 DAYS PRIOR TO PLACING INFILTRATION PRACTICES. PERFORM NO WORK UNTIL ELEVATIONS HAVE BEEN CONFIRMED AND THE AREA HAS BEEN ACCEPTED BY THE OWNER'S REPRESENTATIVE.

E. AFTER THE SOILS HAVE BEEN LOOSENED AND INSPECTED, INFILTRATION PRACTICES MAY BE INSTALLED USING A WIDE-TRACK BULLDOZER SIZE D-5 OR SMALLER OR MAY BE PLACED, DUMPED, OR SPREAD WITH THE BUCKET OF A BACKHOE FROM THE EDGE OF THE LOOSENED AREA. NO RUBBER-TIRED EQUIPMENT OR HEAVY EQUIPMENT EXCEPT FOR A SMALL BULLDOZER SHALL PASS OVER THE SUBSOILS (SUBGRADE) AFTER THEY HAVE BEEN LOOSENED. IF THE CONTRACTOR PLANS TO UTILIZE SUCH AREAS FOR ANY USE OF HEAVY EQUIPMENT, THIS SHOULD BE CARRIED OUT PRIOR TO BEGINNING THE PROCESS OF LOOSENING SOILS OR FILLING IN THAT AREA, OR IT WILL HAVE TO BE RESCARIFIED AND MEET THIS SPECIFICATION REQUIREMENT.

F. WHEN INFILTRATION PRACTICES ARE LOCATED BELOW PAVEMENT THE AREA SHALL REMAIN FREE OF LARGE VEHICLES UNTIL THE PAVEMENT SUBBASE HAS BEEN INSTALLED.

G. FOR REFERENCE OF DECOMPACTION NOTES, SEE NYS DESIGN MANUAL SECTION 5.1.6 FOR DEEP RIPPING AND DECOMPACTION OF EXISTING AREAS THAT ARE PROPOSED FOR RESTORATION.




| Revisions | | |
|---|---|---|
| No. | Date | Description |

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- Civil Engineering
- Environmental Services
- Land Surveying
- Landscape Architecture

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LRC Engineering & Surveying, DPC
LRC Engineering & Surveying, LLC
LRC Environmental Services, Inc.

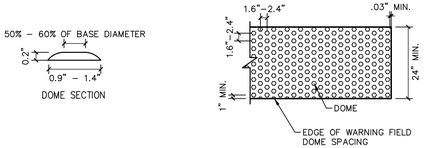
# NOTE SHEET

## ADMIRAL HALSEY II

125 MAIN STREET
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NEW YORK

| | | | | |
|---|---|---|---|---|
| Design/Calcs | BS | CAD File | NS21270301.dwg | Sheet No. |
| Drawn | SMC | Project No. | 20-2370 | NS-1 |
| Checked | KFC | Date | 2021-06-22 | |
| Approved | REM | Scale | AS NOTED | |

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NOTES:

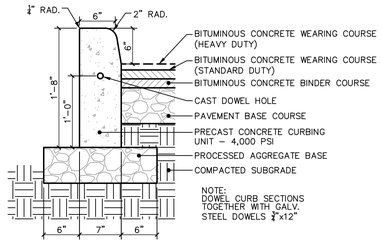
1. THE DETAILS PROVIDED ARE NOT DRAWN TO SCALE, THE QUANTITY OF DOMES DEPICTED ON THE DETECTABLE WARNING UNIT (THE DOMES AND THE ENTIRE 24" LEVEL SURFACE) IS FOR ILLUSTRATION ONLY.
2. THE SIZE OF THE DETECTABLE WARNING FIELD SHALL BE 24" IN THE DIRECTION OF TRAVEL AND SHALL EXTEND THE FULL WIDTH OF THE CURB RAMP OR FLUSH SURFACE.
3. THE ROWS OF DOMES SHALL BE ALIGNED TO BE PERPENDICULAR OR RADIAL TO THE GRADE BREAK BETWEEN THE RAMP LANDING OR CURB RAMP AND THE STREET.
4. WHERE DOMES ARE ARRAYED RADIALLY THEY MAY DIFFER IN DOME DIAMETER AND CENTER-TO- CENTER SPACING WITHIN THE RANGES SPECIFIED ON THIS SHEET.
5. THE DETECTABLE WARNING FIELD SHALL BE THE COLOR SPECIFIED IN THE CONTRACT DOCUMENTS OR MEET THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS.
6. DETECTABLE WARNING SHALL BE LOCATED SO THAT THE EDGE OR CORNER OF THE WARNING FIELD NEAREST TO THE ROADWAY IS 5" TO 9" FROM THE FRONT OF THE CURB OR THE ROADWAY EDGE (12" WHERE TRAVERSABLE CURB IS USED). INSTALL THE DETECTABLE WARNING FIELD BEHIND THE FLUSH CURB.
7. THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO A RAILROAD CROSSING SHALL BE 6'–0" MINIMUM AND 15'–0" MAXIMUM FROM THE CENTERLINE OF THE NEAREST RAIL.

DETECTABLE WARNING TILE SPECS

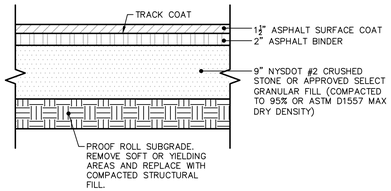
"DURALAST" CAST IRON WARNING TILES AS FABRICATED BY EAST JORDAN IRON WORKS, 800-626-4653; NATURAL FINISH (NO POWDER COATING)

NOTE: UNIT SIZE FOR RECTANGULAR APPLICATIONS IS 24"x24" AND FOR RADIAL APPLICATIONS IS 18"x24"

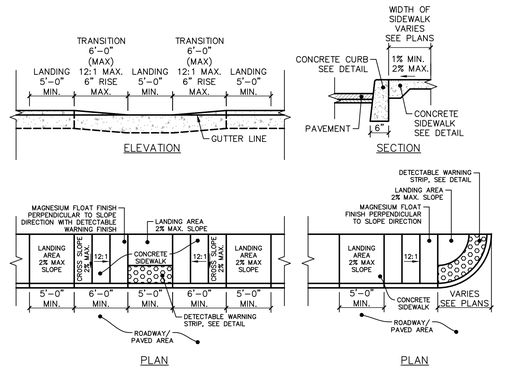
## X DETECTABLE WARNING DETAIL
SCALE: 1/2" = 1'–0"



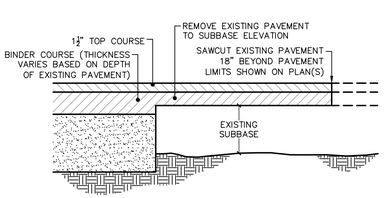

## X CONCRETE CURB DETAIL
SCALE: 1" = 1'–0"




## X STANDARD ASPHALT PAVING DETAIL
SCALE: 1" = 1'–0"




## X HANDICAP RAMP DETAIL
SCALE: 1/8" = 1'–0"




## X PAVEMENT TRANSITION DETAIL
SCALE: 1" = 1'–0"




## X ACCESSIBLE PARKING & ACCESS SIGNS
SCALE: 1/2" = 1'–0"




## X ACCESSIBLE PARKING SPACE DETAIL
SCALE: 1/4" = 1'–0"




## X PARKING SPACE STRIPE DETAIL
SCALE: 1/4" = 1'–0"




## X CONCRETE SIDEWALK SECTION DETAIL
SCALE: 1" = 1'–0"


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LRC Engineering & Surveying, DPC
LRC Engineering & Surveying, LLC
LRC Environmental Services, Inc.


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| Revisions | | |
|---|---|---|
| # | Date | Description |

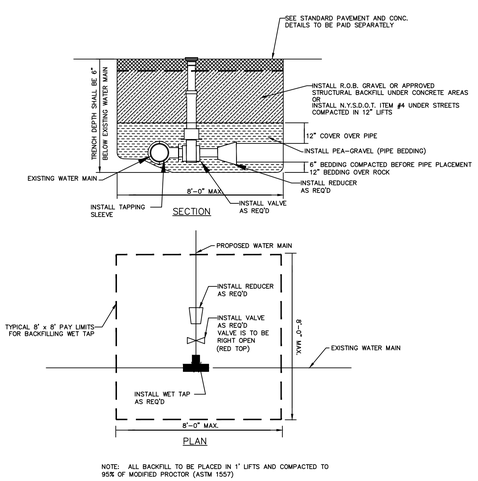
# SITE DETAILS

## ADMIRAL HALSEY II

125 MAIN STREET
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NEW YORK

| | | | | | |
|---|---|---|---|---|---|
| Design/Calcs | BS | CAD File | DN21270301.dwg | Sheet No. | DN-1 |
| Drawn | SMC | Project No. | 20–2370 | | |
| Checked | KFC | Date | 2021–06–22 | | |
| Approved | REM | Scale | AS NOTED | | |

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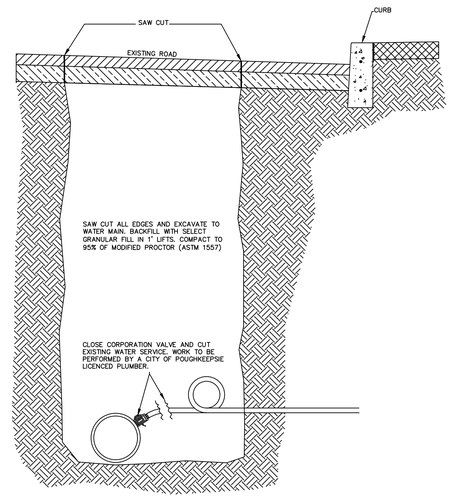



NOTE: ALL BACKFILL TO BE PLACED IN 1' LIFTS AND COMPACTED TO 95% OF MODIFIED PROCTOR (ASTM 1557)

## TAPPING SLEEVE & VALVE

SCALE: N.T.S.

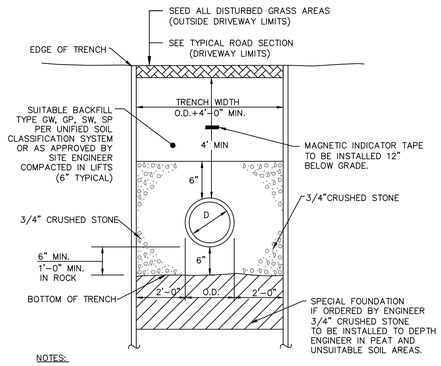
| CITY OF POUGHKEEPSIE ENGINEERING DEPARTMENT 80 WASHINGTON STREET POUGHKEEPSIE, NY 12602 | FILE NO.: | | TAPPING SLEEVE & VALVE | 1 PAGE NO. |
|---|---|---|---|---|
| | DATE: | 3-6-00 | | |
| | SCALE: | AS NOTED | | |
| | DRAWN BY: | JP | | |




## WATER SERVICE DISCONNECT AT MAIN

SCALE: N.T.S.

| CITY OF POUGHKEEPSIE ENGINEERING DEPARTMENT 80 WASHINGTON STREET POUGHKEEPSIE, NY 12602 | FILE NO.: | | WATER DISCONNECT @ MAIN | 1 PAGE NO. |
|---|---|---|---|---|
| | DATE: | 08-21-08 | | |
| | SCALE: | AS NOTED | | |
| | DRAWN BY: | JTK | | |




NOTES:

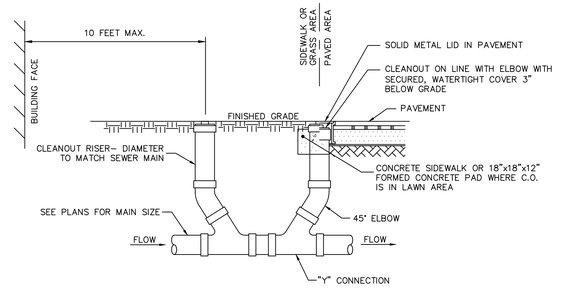
1. IF COVER IS LESS THAN 4 FEET INSULATION IS REQUIRED.

## SANITARY SEWER TRENCH SECTION

NOT TO SCALE

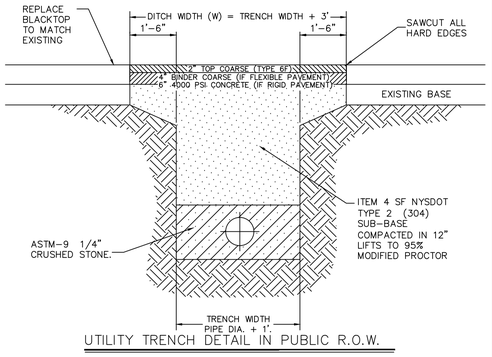
NOTES:

1. DOUBLE CLEANOUT TO BE INSTALLED ON ALL SEWER LATERALS WITHIN 10 FEET OF BUILDING FACE.
2. ANY LOCATIONS WITHIN PAVED AREAS SHALL HAVE COVERS THAT ARE H-20 LOAD RATED. ALL COVERS WHETHER IN PAVEMENT OR GRASS SHALL BE LABELED "SEWER".
3. ALL RISERS ARE TO MATCH THE SIZE OF THE SANITARY LINE.
4. IN LAWN AREAS INSTALL CONCRETE COLLAR 3 INCHES BELOW GRADE. COVER WITH TOP SOIL OR OTHER SURFACE TREATMENT AS DESIGNATED ON LANDSCAPE PLANS.




## DOUBLE SEWER CLEANOUT DETAIL

NOT TO SCALE

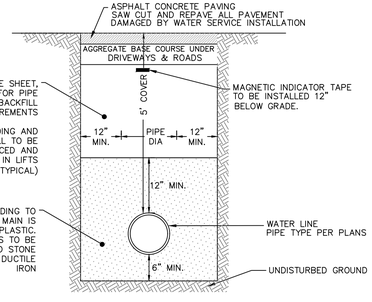



## UTILITY TRENCH DETAIL IN PUBLIC R.O.W.

NOTES:

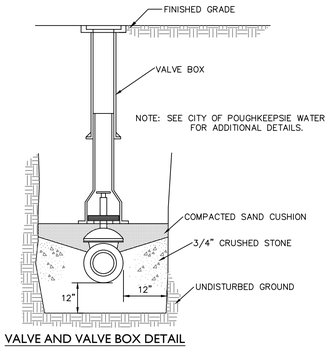
1. DITCH WIDTH SHALL EXTEND A MINIMUM OF ONE AND ONE-HALF FT. FROM THE EDGES OF THE TRENCH.
2. REPLACED BASE MATERIAL OVER TRENCH SHALL BE ITEM 4 COMPACTED IN 12" LIFTS.
3. PIPE BEDDING SHALL BE A MINIMUM OF 6" ABOVE AND BELOW PIPE
4. ALL JOINTS SHALL BE MECHANICALLY SAWED.
5. ALL JOINTS SHALL BE SQUARED TO THE EXISTING EDGE OF CURB AND/OR PAVEMENT, AND TACK COATED PER DETAIL.
6. ROAD SURFACE REPLACEMENT SHALL BE MINIMUM OF SIX INCHES OF ASPHALIC CONCRETE.
7. ASPHALT PAVEMENT TO BE PLACED IN TWO LIFTS AS SHOWN.

| CITY OF POUGHKEEPSIE ENGINEERING DEPARTMENT 62 CIVIC CENTER PLAZA POUGHKEEPSIE, NY 12602 | FILE NO.: | FLEXPAVE.DWG | TRENCH AND PAVEMENT DETAIL |
|---|---|---|---|
| | DATE: | 9-9-04 | |
| | SCALE: | AS NOTED | |
| | DRAWN BY: | ENGINEERING | |



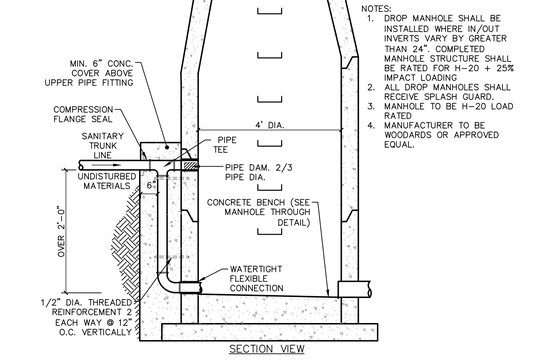

## WATER MAIN TRENCH

NOT TO SCALE




## VALVE AND VALVE BOX DETAIL

NOT TO SCALE




NOTES:

1. DROP MANHOLE SHALL BE INSTALLED WHERE IN/OUT INVERTS VARY BY GREATER THAN 24". COMPLETED MANHOLE STRUCTURE SHALL BE RATED FOR H-20 + 25% IMPACT LOADING
2. ALL DROP MANHOLES SHALL RECEIVE SPLASH GUARD.
3. MANHOLE TO BE H-20 LOAD RATED
4. MANUFACTURER TO BE WOODARDS OR APPROVED EQUAL.

SECTION VIEW

## (X) SANITARY SEWER DROP MANHOLE DETAIL

SCALE: 1/2" = 1'-0"




| Revisions | | | |
|---|---|---|---|
| No. | Date | Description | |

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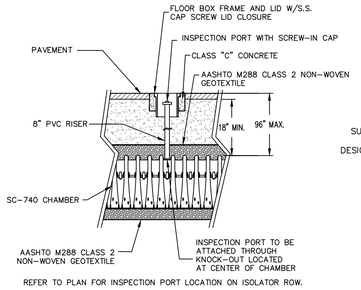
# SANITARY / WATER DETAILS

## ADMIRAL HALSEY II

125 MAIN STREET
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NEW YORK

| Design/Calcs | BS | CAD File | DN21270302.dwg | Sheet No. |
|---|---|---|---|---|
| Drawn | SMC | Project No. | 20-2370 | DN-2 |
| Checked | KFC | Date | 2021-06-22 | |
| Approved | REM | Scale | AS NOTED | |

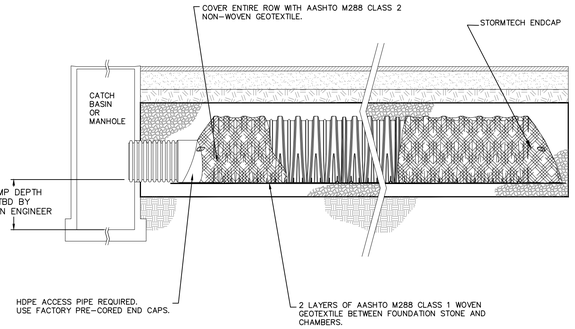
X:\JOBS\Jobs 2021\21-2730-Admiral Halsey Phase II-Omni New York, LLC\DWG\DN21270302.dwg 6/16/2021 7:45 PM SCurran




REFER TO PLAN FOR INSPECTION PORT LOCATION ON ISOLATOR ROW.

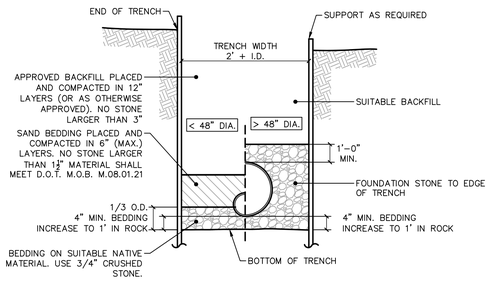
## SC-740 INSPECTION PORT DETAIL

NOT TO SCALE



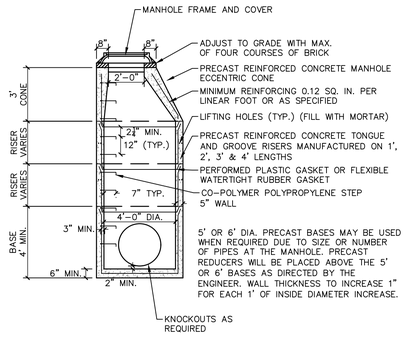

## SC-740 ISOLATOR ROW DETAIL

NOT TO SCALE




## TYPICAL STORM SEWER TRENCH SECTION DETAIL

SCALE: 1/4" = 1'-0"

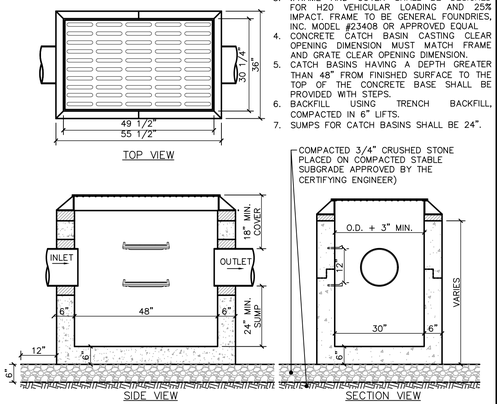



## STORM DRAINAGE MANHOLE DETAIL

SCALE: 1/4" = 1'-0"

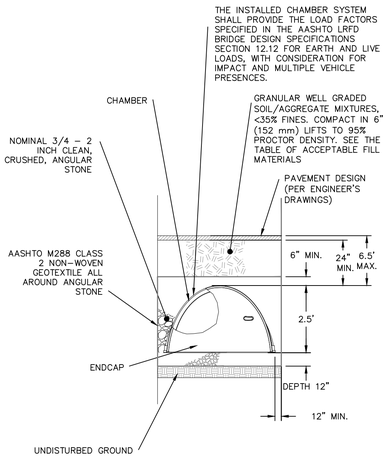
NOTES:

1. PRECAST CONCRETE CATCH BASIN SECTIONS AS MANUFACTURED BY FORT MILLER OR APPROVED EQUAL.
2. CATCH BASIN SHALL BE PRECAST CONCRETE. DESIGNED FOR H20 VEHICULAR LOADING AND 25% IMPACT.
3. FRAME AND COVER SHALL BE DESIGNED FOR H20 VEHICULAR LOADING AND 25% IMPACT. FRAME TO BE GENERAL FOUNDRIES, INC. MODEL #2340B OR APPROVED EQUAL.
4. CONCRETE CATCH BASIN CASTING CLEAR OPENING DIMENSION MUST MATCH FRAME AND GRATE CLEAR OPENING DIMENSION.
5. CATCH BASINS HAVING A DEPTH GREATER THAN 48" FROM FINISHED SURFACE TO THE TOP OF THE CONCRETE BASE SHALL BE PROVIDED WITH STEPS.
6. BACKFILL USING TRENCH BACKFILL, COMPACTED IN 6" LIFTS.
7. SUMPS FOR CATCH BASINS SHALL BE 24".



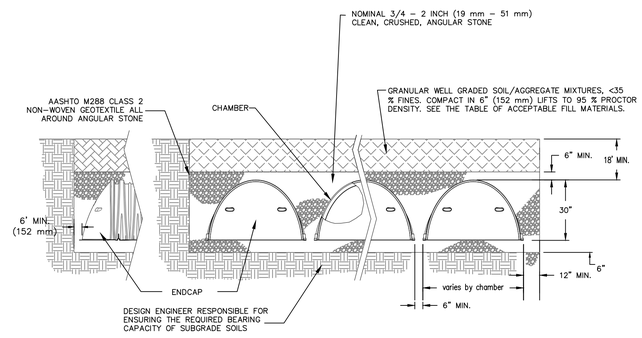

## CURB LESS TYPE CATCH BASIN DETAIL

SCALE: 1/2" = 1'-0"



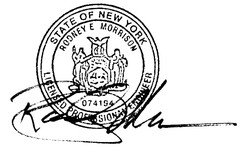

## CHAMBER TYPICAL SC 740 CONSTRUCTION SECTION

NOT TO SCALE




## CHAMBER TYPICAL CONSTRUCTION SECTION

NOT TO SCALE




| No. | Description | Date |
|---|---|---|
| | | |

Revisions

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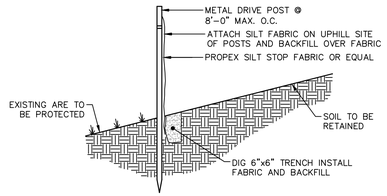
# STORMWATER DETAILS

## ADMIRAL HALSEY II

125 MAIN STREET
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NEW YORK

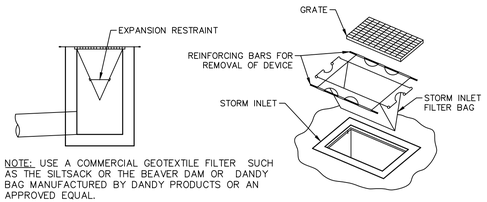
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|---|---|---|---|---|
| Design/Calcs | BS | CAD File | DN21270303.dwg | Sheet No. |
| Drawn | SMC | Project No. | 20-2370 | DN-3 |
| Checked | KFC | Date | 2021-06-22 | |
| Approved | REM | Scale | AS NOTED | |

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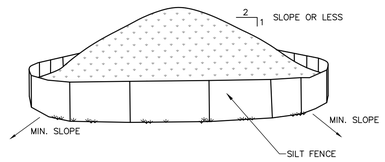

NOTE: FOR SLOPES > 5:1; PERPENDICULAR WINGS PLACED EVERY 100'
FOR SLOPES > 3:1 TO 5:1; PERPENDICULAR WINGS PLACED EVERY 75'
FOR SLOPES > 2:1 TO 3:1; PERPENDICULAR WINGS PLACED EVERY 50'

X SILT FENCE DETAIL
SCALE: N.T.S.



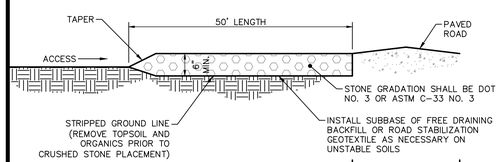

NOTE: USE A COMMERCIAL GEOTEXTILE FILTER SUCH AS THE SILTSACK OR THE BEAVER DAM OR DANDY BAG MANUFACTURED BY DANDY PRODUCTS OR AN APPROVED EQUAL.

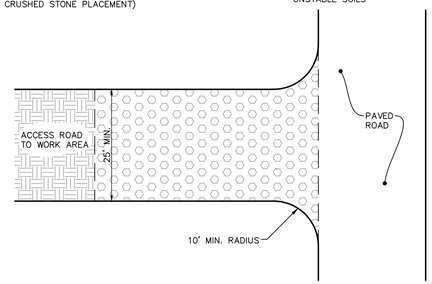
X SILT SACK DETAIL
SCALE: N.T.S.



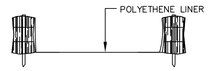

NOTES:
1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 1V:2H.
3. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH SILT FENCING, THEN STABILIZED WITH VEGETATION OR COVERED.
4. SEE SPECIFICATIONS FOR INSTALLATION OF SILT FENCE.
5. HAYBALES OR SILT SOCKS TO BE USED WHERE STOCKPILES ARE LOCATED ON PAVED AREAS.

X MATERIALS STOCKPILE DETAIL
SCALE: N.T.S.

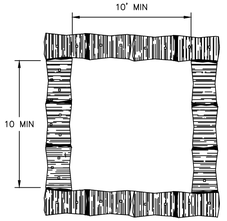



X CONSTRUCTION ENTRANCE DETAIL
SCALE: 1/16" = 1'-0"



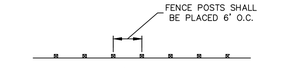

SECTION



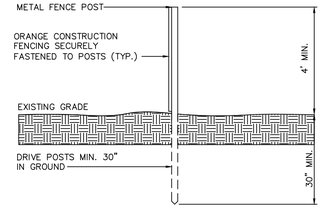

PLAN

NOTES:
1. CONCRETE WASHOUT SIGN TO BE INSTALLED WITHIN 30 FEET OF THE TEMPORARY CONCRETE WASHOUT FACILITY.
2. REMOVE HARDENED CONCRETE WHEN WITHIN 4" FROM TOP OF STRUCTURE.
3. CONSTRUCT NEW FACILITIES ONCE CURRENT FACILITIES ARE TWO-THIRDS FULL. IF CONCRETE HAS NOT HARDENED CONSTRUCT NEW FACILITIES ONCE CURRENT FACILITY IS TWO-THIRDS FULL.
4. LINERS, HAYBALES, ET.C SHALL BE INSPECTED FOR DAMAGE. ANY DAMAGE SHALL BE REPAIRED PROMPTLY.
5. SEPARATE FACILITIES TO BE USED FOR VEHICLE WASHING IF NEEDED.
6. NO CONCRETE IS TO BE WASHOUT OUT ON THE GROUND IN ANY LOCATION.

ABOVE GROUND TEMPORARY
CONCRETE/VEHICLE WASHOUT FACILITY
NOT TO SCALE




PLAN




SECTIONAL ELEVATION
ORANGE CONSTRUCTION FENCE
NOT TO SCALE




| No. | Description | Date |
|---|---|---|
| | | |

Revisions

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# EROSION CONTROL DETAILS

## ADMIRAL HALSEY II

125 MAIN STREET
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NEW YORK

| | | | | |
|---|---|---|---|---|
| Design/Calcs | BS | CAD File | DN21270304.dwg | Sheet No. |
| Drawn | SMC | Project No. | 20-2370 | DN-4 |
| Checked | KFC | Date | 2021-06-22 | |
| Approved | REM | Scale | AS NOTED | |

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**PROJECT TITLE:**

# ADMIRAL HALSEY II

**PROJECT ADDRESS:**

135 MAIN STREET
POUGHKEEPSIE, NY 12601

**CLIENT:**

OMNI NEW YORK
909 THIRD AVE., 21ST FLOOR
NEW YORK CITY, NY 10022

**CITY PLANNING BOARD**
**CITY OF POUGHKEEPSIE, NEW YORK**

**SITE PLAN APPROVAL**

**FILE NO:**

**PROJECT NAME:**

**PROJECT LOCATION:**

**APPLICANT:**

**OFFICIALLY APPROVED at the Planning Board**
**Meeting held the _____ day of _____ 2_____**

**PLANNING CHAIR:**

**DESIGNEE:**

**DATE SIGNED:**

**CONDITION(S):**

**CITY OF POUGHKEEPSIE DEPARTMENTAL SIGNATURES**
**(Required Before Chairman's Signature)**

Fire Chief _____ Date _____

Police Chief _____ Date _____

Building Inspector _____ Date _____

City Engineer _____ Date _____

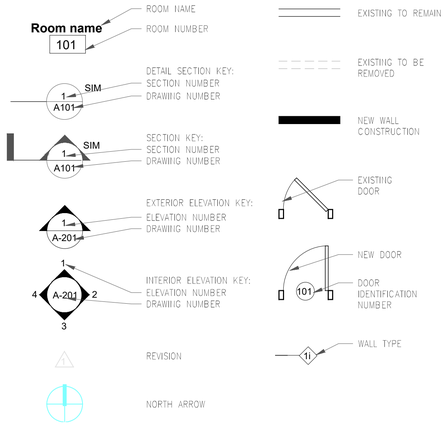
Commissioner of Public Works _____ Date _____

## ABBREVIATIONS

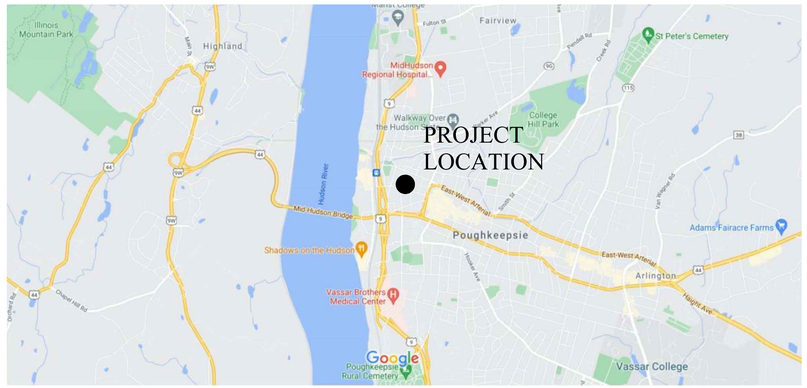
| | | |
|---|---|---|
| A | ACOUST. | ACOUSTICAL |
| | A.C.T. | ACOUSTICAL CEILING TILE |
| | A.F.F | ABOVE FINISHED FLOOR |
| | ALUM. | ALUMINUM |
| | ANOD. | ANODIZED |
| | APPROX. | APPROXIMATE |
| | AVG. | AVERAGE |
| B | B.O. | BOTTOM OF |
| | BLDG. | BUILDING |
| | BLK'G. | BLOCKING |
| | BRG. | BEARING |
| C | CAB. | CABINET |
| | CLG. | CEILING |
| | C.J. | CONTROL JOINT |
| | C.L. | CENTER LINE |
| | CLOS. | CLOSET |
| | CLR. | CLEAR |
| | C.M.U. | CONCRETE MASONRY UNIT |
| | CNTR. | COUNTER |
| | COL. | COLUMN |
| | CONC. | CONCRETE |
| | CONSTR. | CONSTRUCTION |
| | CONT. | CONTINUOUS |
| | CONTR. | CONTRACTOR |
| | C.T. | CERAMIC TILE |
| D | DBL. | DOUBLE |
| | DIA. | DIAMETER |
| | DIM. | DIMENSION |
| | DN. | DOWN |
| | DR. | DOOR |
| | DTL. | DETAIL |
| | DWG | DRAWING |
| E | EA. | EACH |
| | E.I.F.S. | EXTERIOR INSULATION FINISH SYSTEM |
| | ELECT. | ELECTRIC/ELECTRICAL |
| | ELEV. | ELEVATION |
| | EQ. | EQUAL |
| | EQUIP. | EQUIPMENT |
| | ETC. | ET CETERA |
| | EXIST. | EXISTING |
| | EXT. | EXTERIOR |
| F | F.D. | FLOOR DRAIN |
| | FDN. | FOUNDATION |
| | F.E. | FIRE EXTINGUISHER |
| | FIN. | FINISH |
| | FIXT. | FIXTURE |
| | FLR. | FLOOR |
| | F.R.P. | FIBERGLASS REINF. PLASTIC |
| | FT. | FEET/FOOT |
| | FTG. | FOOTING |
| G | GA. | GAGE/GUAGE |
| | GALV. | GALVANIZED |
| | G.C. | GENERAL CONTRACTOR |
| | GL. | GLASS |
| | GYP. | GYPSUM |
| H | H.C. | HANDICAP ACCESSIBLE |
| | H.C. | HOLLOW CORE |
| | HDR. | HEADER |
| | H.M. | HOLLOW METAL |
| | H.P. | HIGH POINT |
| | H.R.C. | HEATING & REFRIGERATION CONTRACTOR(S) |
| | HT. | HEIGHT |
| | H.V.A.C. | HEATING, VENTILATION, AIR CONDITIONING |
| I | IN. | INCHES |
| | INFO. | INFORMATION |
| | INT. | INTERIOR |
| | INSUL. | INSULATION |
| J | J-BOX | JUNCTION BOX |
| | JST. | JOIST |
| K | K.E.S. | KITCHEN EQUIPMENT SUPPLIER |
| L | LAM. | LAMINATE |
| | LAV. | LAVATORY |
| | LBS. | POUNDS |
| | L.F. | LINEAL FOOT |
| | L.P. | LOW POINT |
| M | MANUF. | MANUFACTURER |
| | MAX. | MAXIMUM |
| | MECH. | MECHANICAL |
| | MIN. | MINIMUM |
| | MISC. | MISCELLANEOUS |
| | M.O. | MASONRY OPENING |
| | MSRY. | MASONRY |
| | MTD. | MOUNTED |
| | MTL. | METAL |
| N | N.I.C. | NOT IN CONTRACT |
| | N.T.S. | NOT TO SCALE |
| O | O.C. | ON CENTER |
| | O.D. | OUTSIDE DIAMETER |
| | O.H. | OPPOSITE HAND |
| | OPNG. | OPENING |
| | OPP. | OPPOSITE |
| | OPT. | OPTIONAL |
| P | PL. | PLATE |
| | PLUMB. | PLUMBING |
| | PLYWD. | PLYWOOD |
| | PNL. | PANEL |
| | PR. | PAIR |
| | PREP. | PREPARATION/PREPARED |
| | PT. | PART/POINT |
| R | R.A. | RETURN AIR |
| | RAD. | RADIUS |
| | RECPT. | RECEPTACLE |
| | REINF. | REINFORCING |
| | REQ'D. | REQUIRED |
| | R.O. | ROUGH OPENING |
| | R.T.U. | ROOF TOP UNIT |
| S | S.C. | SOLID CORE |
| | SCHD. | SCHEDULE |
| | SF. | STOREFRONT |
| | SHT. | SHEET |
| | SIM. | SIMILAR |
| | SPECS. | SPECIFICATIONS |
| | SPRINK. | SPRINKLERS |
| | SQ. | SQUARE |
| | S.S. | STAINLESS STEEL |
| | STD. | STANDARD |
| | STL. | STEEL |
| | STRUCT. | STRUCTURAL/STRUCTURE |
| | SUSP. | SUSPENDED |
| T | T.O. | TOP OF |
| | T&B | TOP & BOTTOM |
| | T&G | TONGUE & GROOVE |
| | TEMP. | TEMPERED |
| | TYP. | TYPICAL |
| V | V. | VOLT/VOLTAGE |
| | V.C.T. | VINYL COMPOSITION TILE |
| | VERT. | VERTICAL |
| W | W/ | WITH |
| | W/O | WITHOUT |
| | W.B. | WALL BASE |
| | W.C. | WATER CLOSET |
| | WD. | WOOD |
| | W.H. | WATER HEATER |
| | WDW. | WINDOW |
| | WT. | WEIGHT |
| | W.W.F. | WELDED WIRE FABRIC |

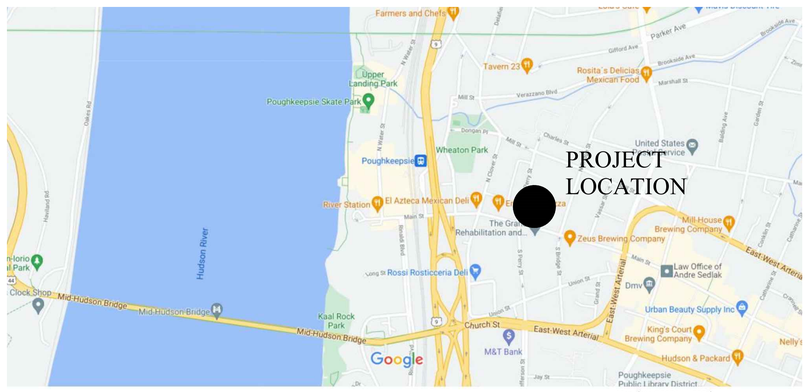
## SITE DATA

## SYMBOL LEGEND




## LOCATION MAP




## DRAWING INDEX


| Sheet Number | Sheet Name |
|---|---|
| 1 - GENERAL | |
| T-101 | TITLE SHEET |
| G-101 | ZONING INFORMATION |
| G-102 | ADJOINING PROPERTIES MAP |
| 2 - ARCHITECTURAL | |
| PZ-100 | PROPOSED SITE PLAN |
| PZ-101 | GROUND FLOOR PLAN |
| PZ-102 | 2ND - 4TH FLOORS |
| PZ-103 | 5TH FLOOR PLAN |
| PZ-104 | WEST ELEVATION / SOUTH ELEVATION |
| PZ-105 | EAST ELEVATION / NORTH ELEVATION |
| PZ-106 | WEST SITE SECTION/SOUTH SITE SECTION |
| PZ-107 | EAST SITE SECTION/NORTH SITE SECTION |
| PZ-108 | RENDERINGS LOOKING NORTH/SOUTHWEST |
| 3 - CIVIL | |
| SUB-1 | SUBDIVISION PLAT |
| SG-1 | SITE GRADING PLAN |
| SD-1 | SITE DRAINAGE PLAN |
| UT-1 | UTILITIES PLAN |
| EC-1 | EROSION & SEDIMENTATION CONTROL PLAN |
| TT-1 | TRUCK TURNING PLAN |
| NS-1 | NOTE SHEET |
| DN-1 | SITE DETAILS |
| DN-2 | SANITARY / WATER DETAILS |
| DN-3 | STORMWATER DETAILS |
| DN-4 | EROSION CONTROL DETAILS |
| 4 - LANDSCAPE | |


*THIS DRAWING IS FOR SCHEMATIC DESIGN PURPOSES ONLY AND IS NOT INTENTED FOR CONSTRUCTION. ACTUAL CONSTRUCTION DRAWINGS, AND SUBSEQUENT CONSTRUCTION MAY DIFFER SIGNIFICANTLY FROM THIS REPRESENTATION.


TINKELMAN ARCHITECTURE
25 Van Wagner Road,
Poughkeepsie,
New York 12603
www.tinkarch.com


CLIENT NAME: OMNI NEW YORK
909 THIRD AVE., 21st FLOOR
NEW YORK CITY, NY 10022

PROJECT NAME: ADMIRAL HALSEY II
135 MAIN STREET
POUGHKEEPSIE, NY 12603

REGISTERED ARCHITECT STEVEN TINKELMAN 16528 STATE OF NEW YORK

TITLE SHEET

Date: 2021.06.22
Project number: Y1629.20

T-101

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## ZONING & LAND USE REGULATIONS
## Admiral Halsey Two (Proposed Lot 1)

PROPERTY ADDRESS: 135 MAIN STREET, POUGHKEEPSIE, NY 12601

ZONING DISTRICT: R-6

| | REQUIRED | PROPOSED |
|---|---|---|
| * MINIMUM LOT AREA. (ACRES) | 1.33 ACRES (57,600.00 SF) | 1.35 ACRES (58,883.43 SF) |
| MINIMUM LOT WIDTH (FEET) | 100 ft | 250.16 sf |
| MINIMUM LOT FRONTAGE (FEET) | 100 ft | 250.16 ft |
| MINIMUM FRONT YARD | 20 ft | 1.32 ft (CANOPY NEW BLDG.) 20.54 ft - (NEW BLDG.) |
| MINIMUM SIDE YARD #1 | 34.18 ft | 60.05 ft |
| MINIMUM SIDE YARD #2 | 34.18 ft | 34.18 ft |
| MINIMUM REAR YARD | 34.18 ft | 47.36 ft |
| MAXIMUM BUILDING HEIGHT (STORIES) | None | 4/5 STORIES (68.375 FT) |
| MAXIMUM LOT COVERAGE | 70% | 24.2% |
| ** MINIMUM USABLE OPEN SPACE | 0.44 ACRES (19,200.00 SF) | 0.32 ACRES (13,717.83 SF) |
| DISTANCE BETWEEN BUILDINGS ON ONE SITE | N/A | N/A |
| PARKING (w/ stacking) Based on 9x20 Stall Dimensions | 40 SPACES | 37 SPACES |

*MINIMUM LOT AREA CALCULATION:

PROPOSED BUILDING:

| | | |
|---|---|---|
| STUDIO: 24 x 800 SF = | 19,200 SF | |
| 1 BEDROOM: 48 x 800 SF = | 38,400 SF | |
| 2 BEDROOM: 0 x 1,200 SF = | 0 SF | |
| TOTAL REQUIRED MIN. LOT AREA = | 57,600 SF | (1.33 ACRES) |

TOTAL MINIMUM LOT AREA = 57,600 SF (1.33 ACRES)

**USABLE OPEN SPACE CALCULATION:

PROPOSED BUILDING:

| | | |
|---|---|---|
| STUDIO: 24 x 200 SF = | 4,800 SF | |
| 1 BEDROOM: 48 x 300 SF = | 14,400 SF | |
| 2 BEDROOM: 0 x 400 SF = | 0 SF | |
| TOTAL REQUIRED USABLE OPEN SPACE = | 19,200 SF | (0.44 ACRES) |

TOTAL MINIMUM OPEN SPACE = 19,200 SF (0.44 ACRES)

## PARKING CALCULATION

| | |
|---|---|
| PARKING Based on 9x20 Stall Dimensions | FOR DWELLINGS DESIGNED TO BE OCCUPIED AT LEAST 90% BY PERSONS 62 YEARS OF AGE OR OLDER, 0.5 SPACES PER APARTMENT. |

PROPOSED BUILDING:
- # OF STUDIO UNITS = 24 = 24 X 0.5 = 12 SPACES
- # OF 1-BEDROOM UNITS = 48 = 48 X 0.5 = 24 SPACES
- TOTAL = 36 SPACES

VISITOR: 10% OF 36 SPACES = 3.6 = 4 SPACES

PROPOSED BUILDING GRAND TOTAL REQUIRED = 40 SPACES

TOTAL REQUIRED FOR THE PROJECT = 40
TOTAL PROVIDED FOR THE PROJECT = 37

## REQUIRED VARIANCES

1. SECTION 19-3.17(4)(e) - MINIMUM FRONT YARD:
   - FRONT YARD REQUIRED = 20.00 ft
   - FRONT YARD PROVIDED = 1.32 ft - NEW BUILDING CANOPY
   - DISTANCE SHORTFALL = 18.68 ft
2. SECTION 19-3.15(4)(i) - REQUIRED OPEN SPACE:
   - REQUIRED OPEN SPACE = 19,200.00 SF
   - PROVIDED OPEN SPACE = 13,717.83 SF
   - OPEN SPACE SHORTFALL = 5,482.17 SF
3. SECTION 19-4.3 - OFF-STREET PARKING:
   - REQUIRED PARKING = 40
   - PROVIDED PARKING = 37
   - PARKING SHORTFALL = 3

## ZONING & LAND USE REGULATIONS
## Admiral Halsey One (Proposed Lot 2)

PROPERTY ADDRESS: 135 MAIN STREET, POUGHKEEPSIE, NY 12601

ZONING DISTRICT: R-6

| | REQUIRED | PROPOSED |
|---|---|---|
| * MINIMUM LOT AREA. (ACRES) | 2.185 ACRES (95,200.00 SF) | 0.93 ACRES (40,663.84 SF) |
| MINIMUM LOT WIDTH (FEET) | 100 ft | 278.82 ft (NO CHANGE) |
| MINIMUM LOT FRONTAGE (FEET) | 100 ft | 278.82 ft (NO CHANGE) |
| MINIMUM FRONT YARD #1 (CORNER LOT) | 20 ft | 48.45 ft |
| MINIMUM FRONT YARD #2 (CORNER LOT) | 20 ft | 20.54 ft |
| MINIMUM SIDE YARD | 68.04 ft | 113.75 ft |
| MINIMUM REAR YARD | 68.04 ft | 24.00 ft |
| MAXIMUM BUILDING HEIGHT (STORIES) | None | 13 STORIES (136.083 FEET) |
| MAXIMUM LOT COVERAGE | 70% | 15.0% |
| ** MINIMUM USABLE OPEN SPACE | 0.82 ACRES (35,700.00 SF) | 0.205 ACRES (8,929 SF) |
| DISTANCE BETWEEN BUILDINGS ON ONE SITE | N/A | N/A |
| PARKING (w/ stacking) Based on 9x20 Stall Dimensions | 66 SPACES | 35 SPACES |

*MINIMUM LOT AREA CALCULATION:

EXISTING BUILDING:

| | | |
|---|---|---|
| STUDIO: 0 x 800 SF = | 0 SF | |
| 1 BEDROOM: 119 x 800 SF = | 95,200 SF | |
| 2 BEDROOM: 0 x 1,200 SF = | 0 SF | |
| TOTAL REQUIRED MIN. LOT AREA = | 95,200 SF | (2.185 ACRES) |

TOTAL REQUIRED MINIMUM LOT AREA = 95,200 SF (2.185 ACRES)

**USABLE OPEN SPACE CALCULATION:

EXISTING BUILDING:

| | | |
|---|---|---|
| STUDIO: 0 x 200 SF = | 0 SF | |
| 1 BEDROOM: 119 x 300 SF = | 35,700 SF | |
| 2 BEDROOM: 0 x 400 SF = | 0 SF | |
| TOTAL REQUIRED USABLE OPEN SPACE = | 35,700 SF | (0.819 ACRES) |

TOTAL MINIMUM OPEN SPACE = 35,700 SF (0.819 ACRES)

## PARKING CALCULATION

| | |
|---|---|
| PARKING Based on 9x20 Stall Dimensions | FOR DWELLINGS DESIGNED TO BE OCCUPIED AT LEAST 90% BY PERSONS 62 YEARS OF AGE OR OLDER, 0.5 SPACES PER APARTMENT. |

EXISTING BUILDING:
- # OF 1-BEDROOM UNITS = 119 =119 X 0.5 = 60 SPACES
- TOTAL = 60 SPACES

VISITOR: 10% OF 60 SPACES = 6 SPACES

EXISTING BUILDING GRAND TOTAL REQUIRED = 66 SPACES

TOTAL REQUIRED FOR THE PROJECT = 66
TOTAL PROVIDED FOR THE PROJECT = 35

## REQUIRED VARIANCES

1. SECTION 19-3.17(4)(a) - MINIMUM LOT AREA:
   - REQUIRED MINIMUM LOT AREA = 2.185 ACRES (95,200.00 SF)
   - PROVIDED MINIMUM LOT AREA = 0.930 ACRES (40,663.84 SF)
   - AREA SHORTFALL = 1.255 ACRES (54,536.16 SF)
2. SECTION 19-3.17 (4)(f)(1) - MINIMUM SIDE & REAR YARDS
   - REAR YARD REQUIRED = 68.04 ft
   - REAR YARD PROVIDED = 24.00 ft
   - DISTANCE SHORTFALL = 44.04 ft
3. SECTION 19-3.15(4)(i) - REQUIRED OPEN SPACE:
   - REQUIRED OPEN SPACE = 35,700.00 SF
   - PROVIDED OPEN SPACE = 8,929.00 SF
   - OPEN SPACE SHORTFALL = 26,771.00 SF
4. SECTION 19-4.3 - OFF-STREET PARKING:
   - REQUIRED PARKING = 66
   - PROVIDED PARKING = 35
   - PARKING SHORTFALL = 31

⚠ REVISED FOR PB SUBMISSION 2021.10.19

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Poughkeepsie,
New York 12603
www.tinkarch.com

CLIENT NAME:

OMNI NEW YORK

909 THIRD AVE., 21st FLR.
NEW YORK CITY, NY 10022

PROJECT NAME:

ADMIRAL HALSEY II

135 MAIN STREET
POUGHKEEPSIE, NY 12601

REGISTERED ARCHITECT STEVEN TINKELMAN 16528 STATE OF NEW YORK

ZONING INFORMATION

Date: 2021.06.22

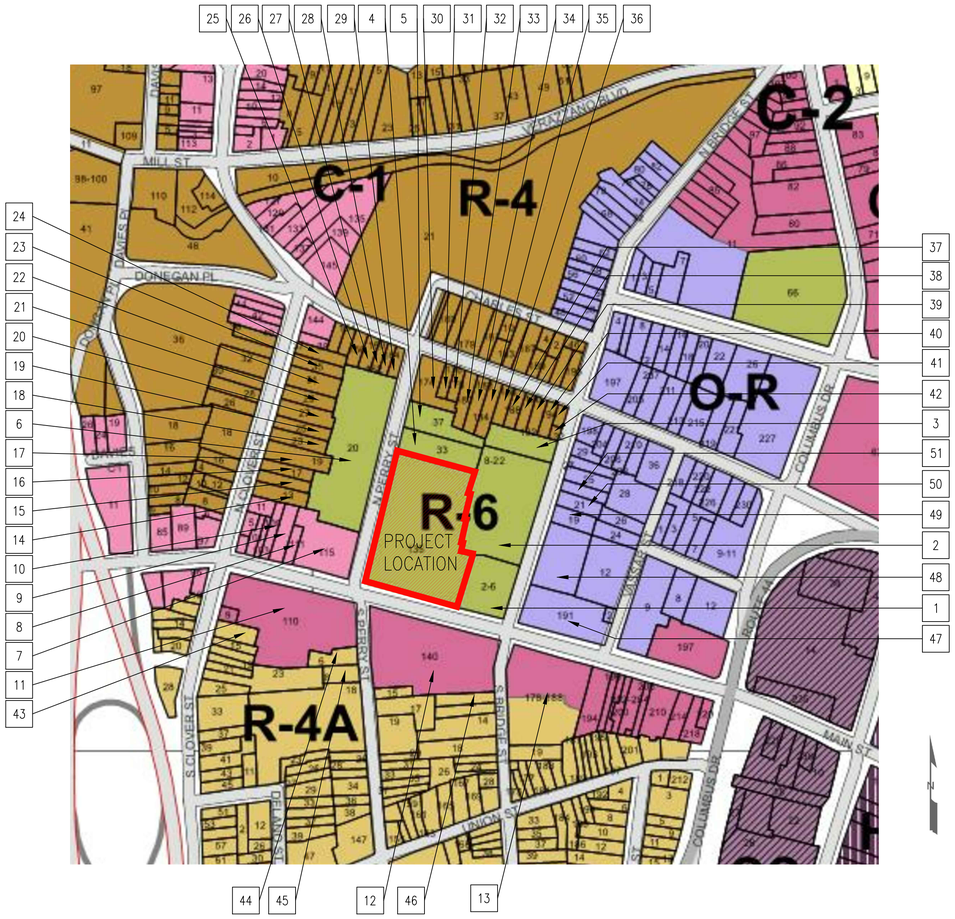
Project number: Y1629.20

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1 ADJOINING PROPERTY OWNER PLAN
NOT TO SCALE

## ADJOINING PROPERTY OWNER LEGEND

| ZONE | ID No. | LOT No. | PRIMARY OWNER/ADDRESS |
|---|---|---|---|
| R-1 | 1 | 925155 | JOACHIM KIEFERT NEWBURGH GmbH<br>35 MANCHESTER CIRCLE<br>POUGHKEEPSIE, NY 12601 |
| | 2 | 931179 | JOHN F. BAHRENBURG – TRUSTEE<br>248 OVERLOOK ROAD<br>POUGHKEEPSIE, NY 12603 |
| | 3 | 935196 | MILL STREET ESTATES LLC<br>39 HOOSE BLVD<br>FISHKILL, NY 12524 |
| | 4 | 912195 | CITY OF POUGHKEEPSIE<br>P.O. BOX 300<br>POUGHKEEPSIE NY 12602 |
| | 5 | 910206 | 15037 VICTORY LLC<br>4530 E. THOUSAND OAKS BLVD<br>WESTAGE VILLAGE, CA 91362 |
| | 6 | 888192 | 15037 VICTORY LLC<br>4530 E. THOUSAND OAKS BLVD<br>WESTAGE VILLAGE, CA 91362 |
| | 7 | 840167 | DANIEL MILANESE – TRUSTEE<br>115 MAIN STREET<br>POUGHKEEPSIE, NY 12601 |
| | 8 | 871168 | DANIEL MILANESE – TRUSTEE<br>115 MAIN STREET<br>POUGHKEEPSIE, NY 12601 |
| | 9 | 868171 | DANIEL MILANESE – TRUSTEE<br>115 MAIN STREET<br>POUGHKEEPSIE, NY 12601 |
| | 10 | 865172 | RODOLFO GUERRIERO LT<br>29 WORRALL AVENUE.<br>POUGHKEEPSIE NY 12603 |
| C-2 | 11 | 870147 | MARSHALL & STERLING REALTY INC.<br>110 MAIN STREET<br>POUGHKEEPSIE NY 12601 |
| | 12 | 906135 | RIVER VALLEY REALTY CO. LP<br>143-10 20TH AVENUE<br>WHITESTONE, NY 11357 |
| | 13 | 944121 | QUEEN CITY LOFT HOUSING DEV.<br>34 CLAYTON BLVD.<br>BALDWIN PLACE, NY 10505 |
| R-4 | 14 | 867182 | WILSON F. VILLA<br>13 NORTH CLOVER STREET<br>POUGHKEEPSIE NY 12601 |
| | 15 | 868186 | CAROL E. GUSTAFSON<br>649 NOXON ROAD<br>POUGHKEEPSIE NY 12601 |
| | 16 | 869189 | R.F. REYNOLDS PROPERTY & ACQUISITION CORP.<br>21 MARWILL STREET<br>ALBANY, NY 12209 |
| | 17 | 873193 | POUGHKEEPSIE APOSTOLIC CHURCH<br>19 N. CLOVER STREET<br>POUGHKEEPSIE NY 12601 |
| | 18 | 872198 | HEIDIN N. QUIJADA GUERRA<br>27 N. CLOVER STREET<br>POUGHKEEPSIE, NY 12601 |
| | 19 | 873201 | ELBIN ANTONIO QUIJADA GUERRA<br>25 N. CLOVER STREET<br>POUGHKEEPSIE, NY 12601 |
| | 20 | 874205 | ALEYDA JUDITH QUIJADA GUERRA<br>27 N. CLOVER STREET<br>POUGHKEEPSIE, NY 12601 |
| | 21 | 875209 | ANTAR CAPITAL LLC<br>3224 CHURCH STREET<br>POUGHKEEPSIE NY 12601 |
| | 22 | 876214 | GIULIO MAZZARELLI – TRUSTEE<br>32 SCHOOLHOUSE LANE<br>POUGHKEEPSIE NY 12603 |
| | 23 | 877219 | GIULIO MAZZARELLI – TRUSTEE<br>32 SCHOOLHOUSE LANE<br>POUGHKEEPSIE NY 12603 |
| | 24 | 878222 | GIULIO MAZZARELLI – TRUSTEE<br>32 SCHOOLHOUSE LANE<br>POUGHKEEPSIE NY 12603 |
| | 25 | 889224 | JOHN P. LEONARD<br>4 KEITH PLACE<br>POUGHKEEPSIE NY 12603 |
| | 26 | 892222 | JOHN P. LEONARD<br>4 KEITH PLACE<br>POUGHKEEPSIE NY 12603 |
| | 27 | 895222 | JOHN P. LEONARD<br>4 KEITH PLACE<br>POUGHKEEPSIE NY 12603 |

## ADJOINING PROPERTY OWNER LEGEND

| ZONE | ID No. | LOT No. | PRIMARY OWNER/ADDRESS |
|---|---|---|---|
| R-4 | 28 | 898221 | 3 GEMMS REALTY LLC<br>30 MANCHESTER ROAD<br>POUGHKEEPSIE, NY 12603 |
| | 29 | 900220 | JOHN LEONARD<br>4 KEITH PLACE<br>POUGHKEEPSIE, NY 12603 |
| | 30 | 909213 | JOHN P. LEONARD<br>4 KEITH PLACE<br>POUGHKEEPSIE, NY 12603 |
| | 31 | 914214 | LORY PROPERTIES CORP.<br>P.O. BOX 235<br>STORMVILLE, NY 12582 |
| | 32 | 917213 | 333 MANSION LLC<br>35 MILE HILL ROAD<br>HIGHLAND, NY 12528 |
| | 33 | 920209 | SHANE BARTHOLOMEW<br>70 WHITTIER BLVD<br>POUGHKEEPSIE, NY 12603 |
| | 34 | 923208 | TURNOVER 2 LLC<br>117 EXECUTIVE DRIVE<br>NEW WINDSOR, NY 12553 |
| | 35 | 927207 | MICHAEL HOMAK<br>184 MILL STREET<br>POUGHKEEPSIE, NY 12601 |
| | 36 | 931207 | JAMES DOLFINGER<br>186 MILL STREET<br>POUGHKEEPSIE, NY 12601 |
| | 37 | 934206 | KMM PROPERTIES LLC<br>46 VASSAR ROAD<br>POUGHKEEPSIE NY 12603 |
| | 38 | 937205 | TONIO CAPPIELLO<br>192 MILL STREET<br>POUGHKEEPSIE NY 12601 |
| | 39 | 940204 | TONIO CAPPIELLO<br>192 MILL STREET<br>POUGHKEEPSIE NY 12601 |
| | 40 | 943203 | JOSHUA TAYLOR<br>194 MILL STREET<br>POUGHKEEPSIE, NY 12601 |
| | 41 | 947204 | VICTOR JOSEPH TROCINO<br>158 MORTON ROAD<br>RHINRBECK, NY 12572 |
| | 42 | 945199 | T.J. ASSOCIATES INC.<br>P.O. BOX 5310<br>POUGHKEEPSIE NY 12602 |
| R-4A | 43 | 855143 | MARSHALL & STERLING REALTY INC.<br>110 MAIN STREET<br>POUGHKEEPSIE NY 12601 |
| | 44 | 881134 | MARSHALL & STERLING REALTY INC.<br>110 MAIN STREET<br>POUGHKEEPSIE NY 12601 |
| | 45 | 884129 | BURTON GOLD PROPERTIES LLC<br>12 RAYMOND AVE NE<br>POUGHKEEPSIE, NY 12603 |
| | 46 | 920123 | NORTH EASTERN CONFERENCE CORP.<br>115-50 MERRICK BLVD.<br>JAMAICA, NY 11434 |
| R-4A | 47 | 941153 | CMRC LTD<br>4 BRIDGE STREET<br>BROADALBIN, NY 12025 |
| | 48 | 947163 | NORTH EASTERN CONFERENCE CORP.<br>115-50 MERRICK BLVD.<br>JAMAICA, NY 11434 |
| | 49 | 951174 | NORTH EASTERN CONFERENCE CORP.<br>115-50 MERRICK BLVD.<br>JAMAICA, NY 11434 |
| | 50 | 952178 | NORTH EASTERN CONFERENCE CORP.<br>115-50 MERRICK BLVD.<br>JAMAICA, NY 11434 |
| | 51 | 954182 | NORTH EASTERN CONFERENCE CORP.<br>115-50 MERRICK BLVD.<br>JAMAICA, NY 11434 |
| | 52 | 955186 | ANGELA LEMOS<br>25 N. BRIDGE STREET<br>POUGHKEEPSIE NY 12601 |
| | | | |
| | | | |

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135 MAIN STREET
POUGHKEEPSIE, NY 12601

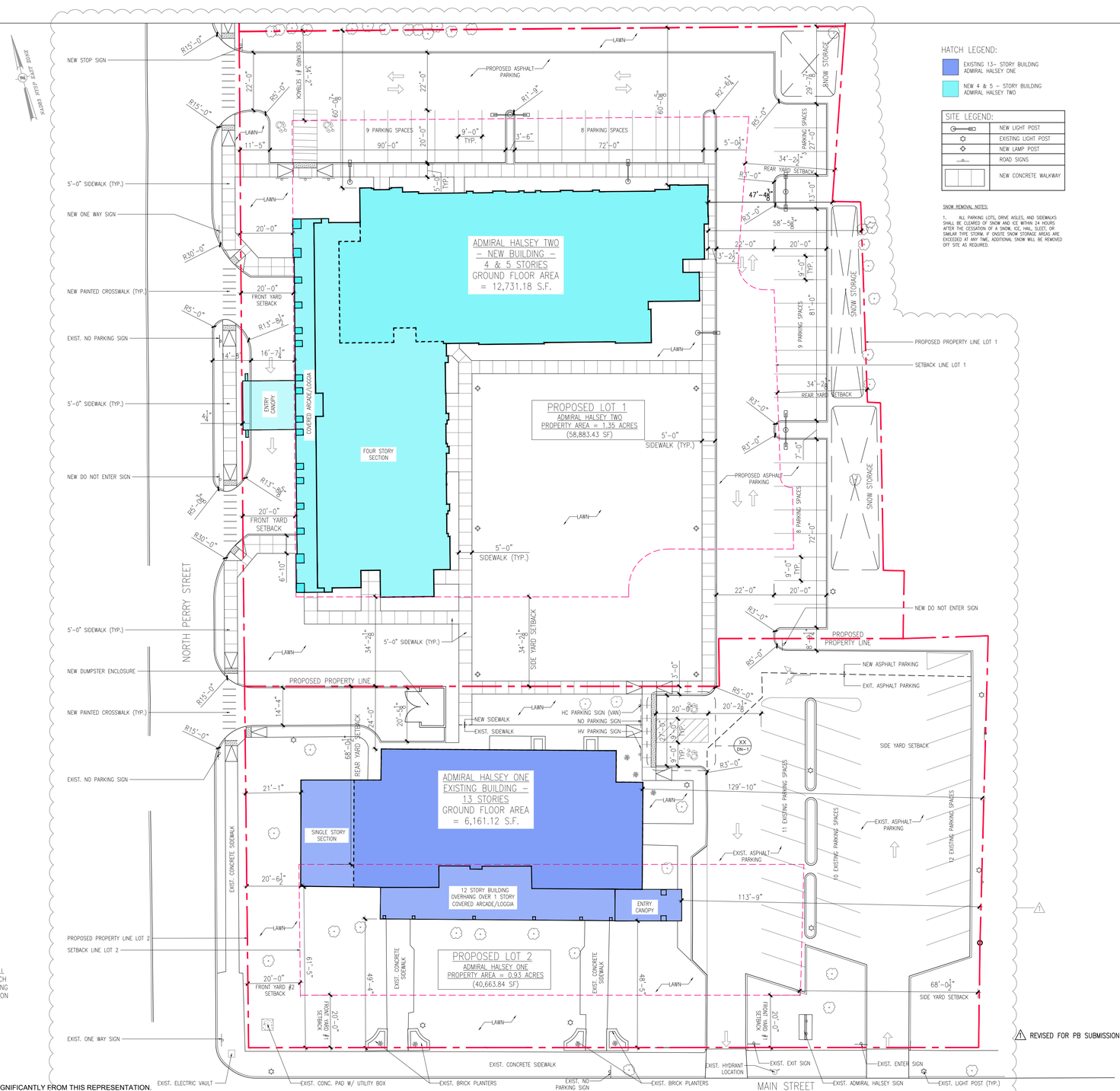
REGISTERED ARCHITECT STEVEN TINKELMAN 18528 STATE OF NEW YORK

ADJOINING PROPERTIES MAP

Date: 2021.06.22
Project number: Y1629.20

G-102

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1 SITE PLAN
1"=20'-0"

GRAPHIC SCALE

0 10' 20' 40'

1"=20'-0"

PLANNING BOARD NOTES:

1. PRIOR TO THE START OF CONSTRUCTION OR EXCAVATION, TREES TO BE RETAINED SHALL BE PROTECTED BY A SILT FENCE, SNOW FENCE, CONSTRUCTION FENCE OR EQUAL WHICH WILL BE PLACED AT THE DRIP LINE OR SEVERAL FEET BEYOND. HOWEVER, THE FENCING SHALL NOT CROSS PUBLIC SIDEWALKS. NO STORAGE OR STOCKPILING OF CONSTRUCTION MATERIALS, DEBRIS OR EQUIPMENT SHALL OCCUR WITHIN THE FENCED AREA.
2. REFER TO CIVIL DRAWING SHEET DN-1 FOR THE FOLLOWING DETAILS:
   a. ACCESSIBLE PARKING SPACES.
   b. TYPICAL PARKING SPACES.
   c. PAVING DETAILS.
   d. CURB/SIDEWALK DETAILS.
   e. H.C. RAMP/CURB CUT DETAIL.

⚠ REVISED FOR PB SUBMISSION 2021.10.19

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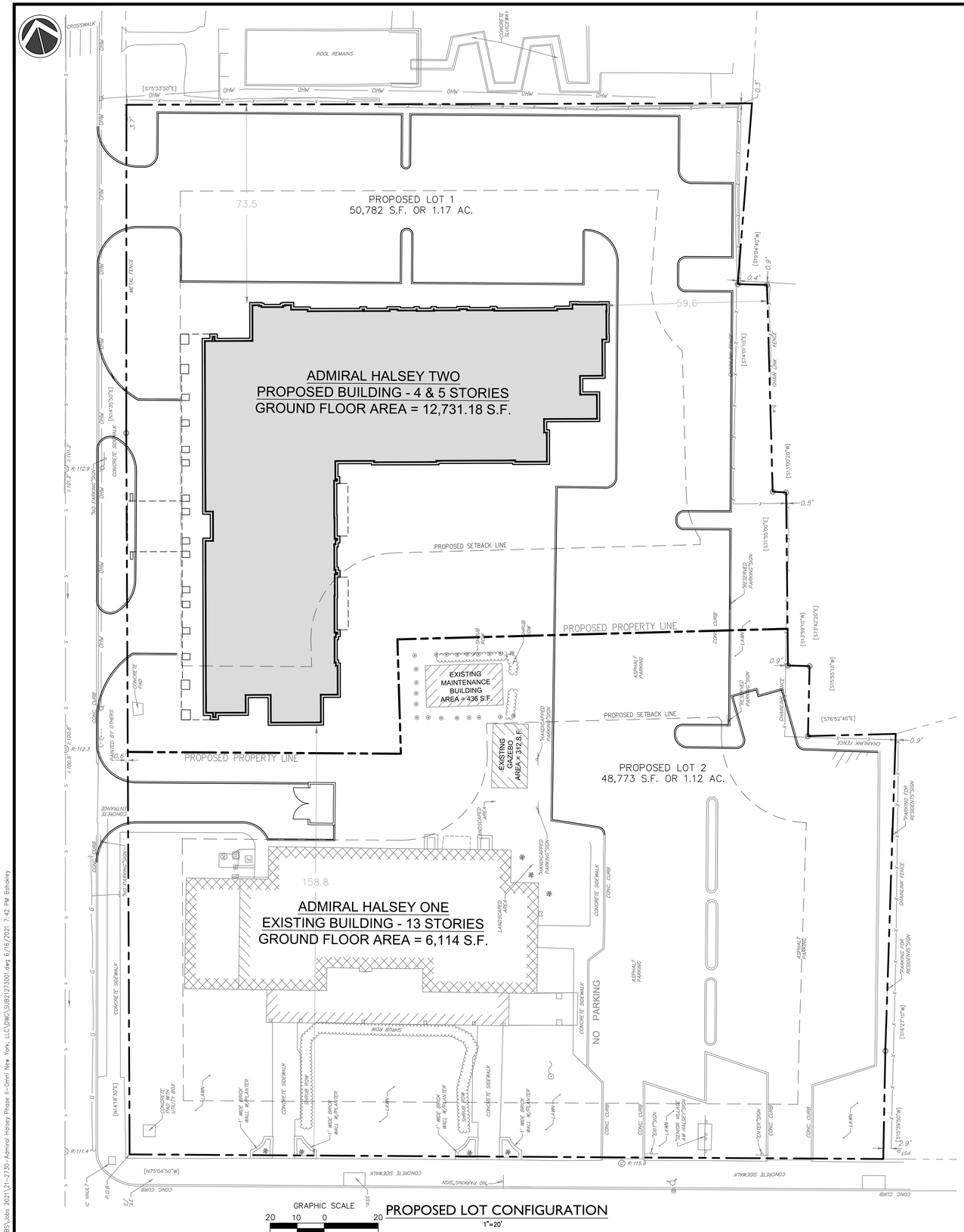
REGISTERED ARCHITECT STEVEN TINKELMAN 16528 STATE OF NEW YORK

SITE PLAN

Date: 2021.10.19
Project number: Y1629.20

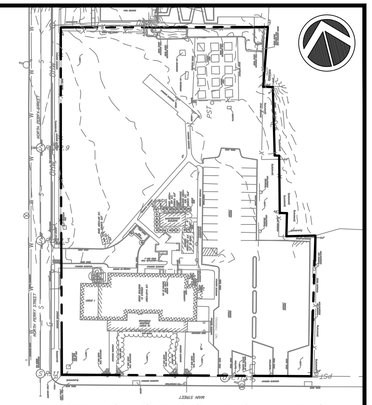
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# PROPOSED LOT CONFIGURATION

1"=20'



# EXISTING LOT CONFIGURATION

1"=80'

GRAPHIC SCALE

80 40 0 80

SCALE IN FEET

## LOT AREA CHART

| PROPOSED LOT # | AREA |
|---|---|
| 1 | 50,782 SF OR 1.7 AC. |
| 2 | 48,773 SF OR 1.12 AC. |
| TOTAL | 99,555 SF OR 2.29 AC. |

## DUTCHESS COUNTY DEPARTMENT OF HEALTH NOTE

THIS PLAN DOES NOT CONSTITUTE A REALTY SUBDIVISION AS DEFINED BY ARTICLE XI, TITLE II, SECTION 115, OF THE PUBLIC HEALTH LAW OF THE STATE OF NEW YORK, AND ARTICLE XI OF THE DUTCHESS COUNTY SANITARY CODE.

PERMISSION IS HEREBY GRANTED FOR THE FILING OF THIS MAP WITH THE CLERK OF DUTCHESS COUNTY. APPROVAL FOR ARRANGEMENTS FOR WATER SUPPLY AND / OR SANITARY DISPOSAL IS NEITHER SOUGHT NOR GRANTED.

AUTHORIZED REPRESENTATIVE OF THE COMMISSIONER OF HEALTH — DATE

## OWNER / APPLICANT CERTIFICATION

THE UNDERSIGNED, OWNER/APPLICANT OF THIS PROPERTY SHOWN HEREON, AND THE APPLICANT, HEREBY CERTIFY THAT WE ARE FAMILIAR WITH THIS MAP, ITS CONTENTS AND DETAILS, AND HEREBY AGREE TO THE TERMS AND CONDITIONS EXPRESSED HEREON, AND TO FILING OF THIS MAP IN THE OFFICE OF THE DUTCHESS COUNTY CLERK.

OWNER/APPLICANT — DATE

ZONING R-6

STATE OF NEW YORK
RENEE E. MORRISON
LICENSED LAND SURVEYOR
074194

| Revisions | | |
|---|---|---|
| No. | Date | Description |

LRC GROUP
- Land Planning
- Civil Engineering
- Environmental Services
- Land Surveying
- Landscape Architecture

160 West Street, Suite E
Cromwell, CT 06416
Tel: 860.635.2877

85 Civic Center Plaza, Suite 103
Poughkeepsie NY 12601
Tel: 845.243.2880

1 International Blvd, Suite 400
Mahwah, NJ 07495
Tel: 908.603.5730

www.lrcconsult.com
LRC Engineering & Surveying, DPC
LRC Engineering & Surveying, LLC
LRC Environmental Services, Inc.

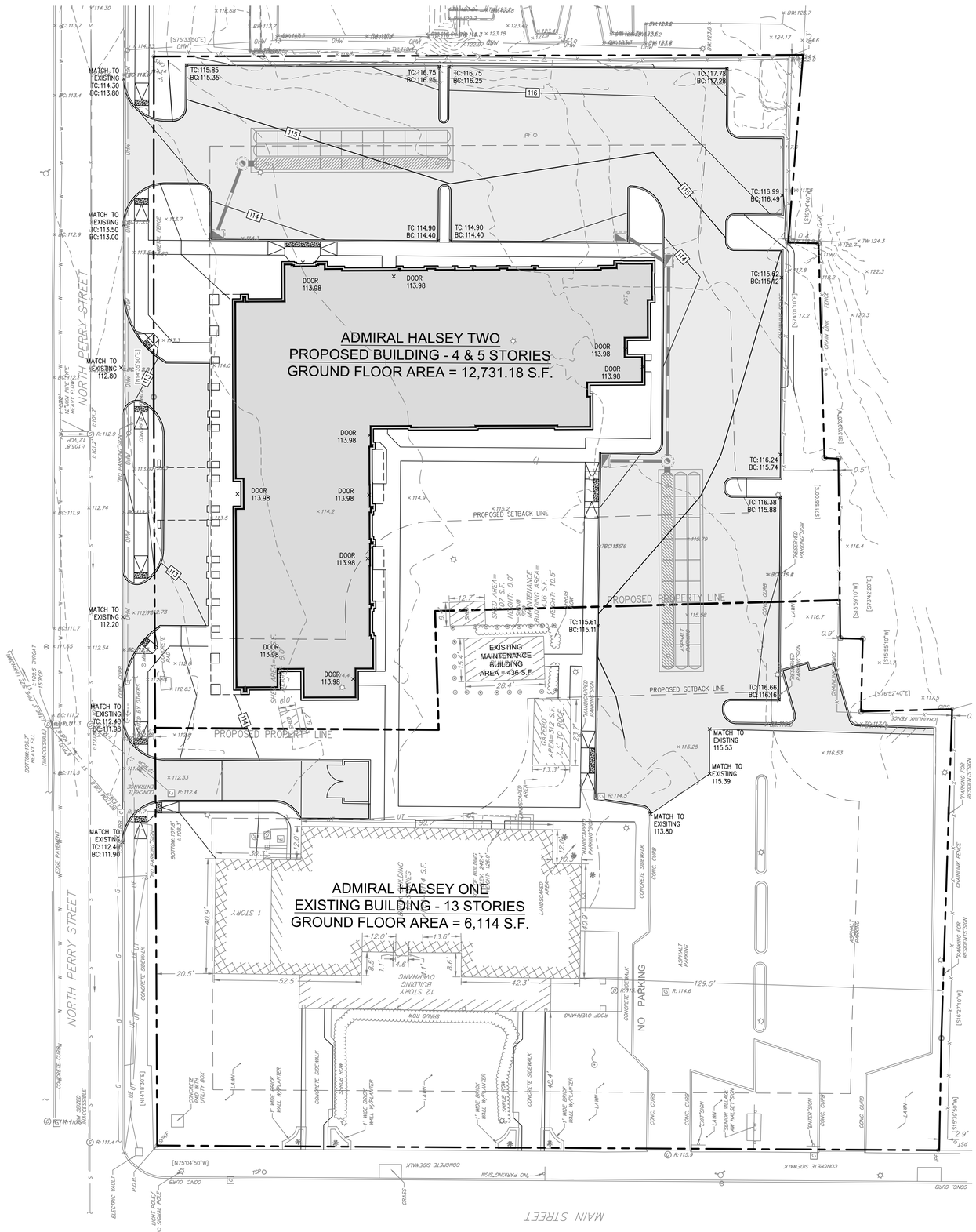
# SUBDIVISION PLAT

## ADMIRAL HALSEY II

125 MAIN STREET
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NEW YORK

| | | | | |
|---|---|---|---|---|
| Design/Calcs | BS | CAD File | SUB21273001.dwg | Sheet No. |
| Drawn | SMC | Project No. | 20-2370 | SUB-1 |
| Checked | KFC | Date | 2021-06-22 | |
| Approved | REM | Scale | AS NOTED | |

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## COMPACTION AND BACKFILL NOTES

UNLESS OTHERWISE SPECIFIED OR APPROVED BY THE SITE ENGINEER, ALL SITE SUBGRADE AND BACKFILL FOR ALL STRUCTURES INCLUDING, BUT NOT LIMITED TO, PARKING LOT SUBGRADE, ROAD SUBGRADE, CONCRETE PADS AND SIDEWALKS, WATER LINES AND STRUCTURES, SEWER LINES AND STRUCTURES, STORM LINES AND STRUCTURES, TRASH PADS/ENCLOSURES, AND SITE ELECTRICAL AND CONDUIT, SHALL BE COMPACTED IN ACCORDANCE WITH THE FOLLOWING STANDARD.

METHODS OF CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION (NYSDOT) STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, DATED MAY 1, 2008, AND ALL ADDENDA THERETO

## GRADING AND DRAINAGE NOTES

1. ALL EXISTING STRUCTURES NOTED TO BE REMOVED, FENCING, TREES, ETC., WITHIN CONSTRUCTION AREA SHALL BE REMOVED & DISPOSED OF OFF SITE. ANY BURNING ON SITE SHALL BE SUBJECT TO LOCAL ORDINANCES.
2. CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES HAVING UNDERGROUND UTILITIES ON SITE OR IN RIGHT-OF-WAY PRIOR TO EXCAVATION. CONTRACTOR SHALL CONTACT UTILITY LOCATING COMPANY AND LOCATE ALL UTILITIES PRIOR TO GRADING START.
3. SITE GRADING SHALL NOT PROCEED UNTIL EROSION CONTROL MEASURES HAVE BEEN INSTALLED.

## LEGEND

- PROPOSED ASPHALT
- X 162 — PROPOSED SPOT ELEVATION
- 162 — PROPOSED MINOR CONTOUR LINE
- 160 — PROPOSED MAJOR CONTOUR LINE

GRAPHIC SCALE
20 10 0 20
SCALE IN FEET

STATE OF NEW YORK
PROPHETE MORRISON
074194
LICENSED PROFESSIONAL ENGINEER

| Revisions | | |
|---|---|---|
| | Date | Description |
| | | |

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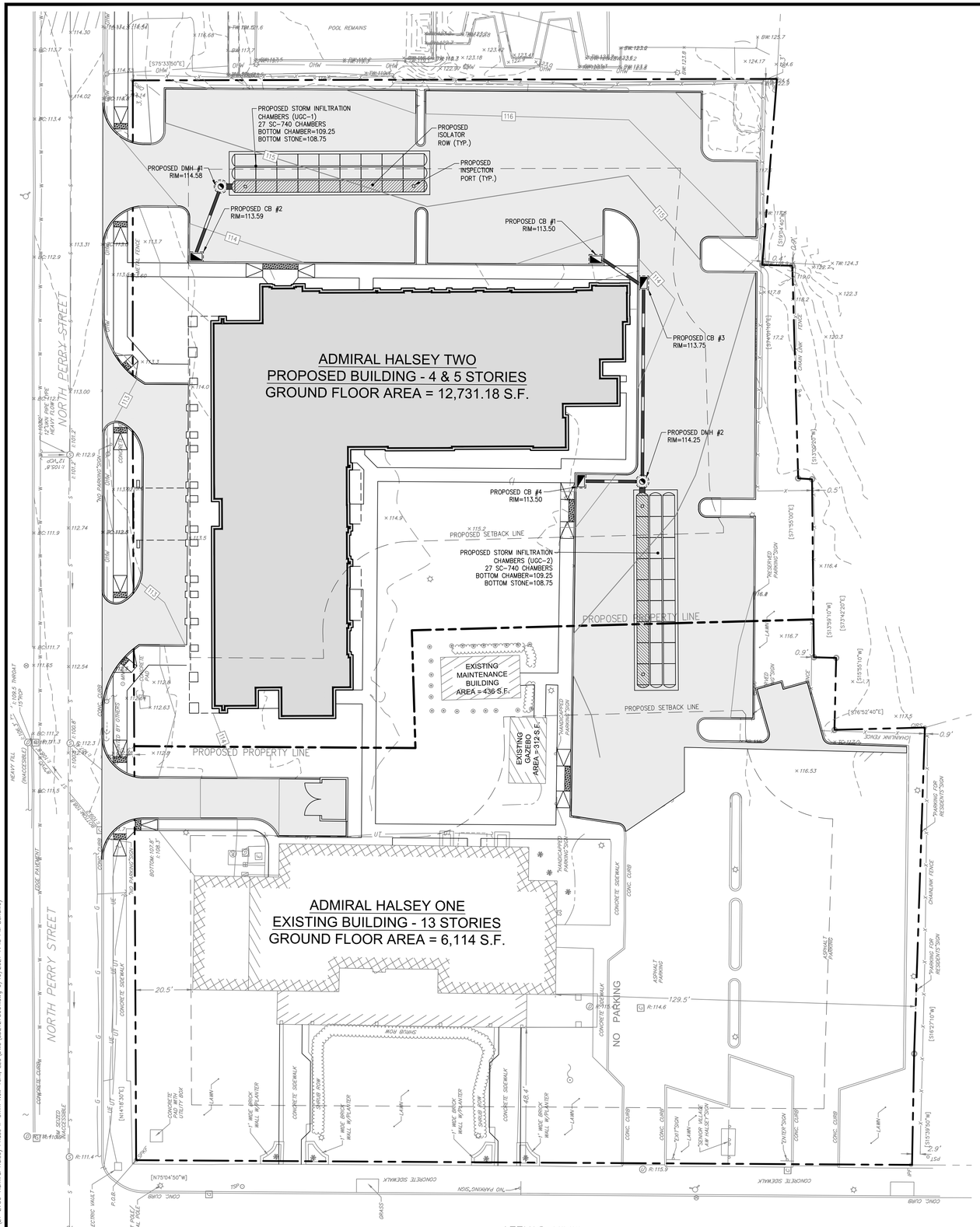
# SITE GRADING PLAN

## ADMIRAL HALSEY II

125 MAIN STREET
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NEW YORK

| | | | | |
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| Design/Calcs | BS | CAD File | SG21273001.dwg | Sheet No. |
| Drawn | SMC | Project No. | 20-2370 | SG-1 |
| Checked | KFC | Date | 2021-06-22 | |
| Approved | REM | Scale | 1"=20' | |

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## LEGEND

- PROPOSED ASPHALT
- PROPOSED STORM PIPE

GRAPHIC SCALE
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SCALE IN FEET

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074194
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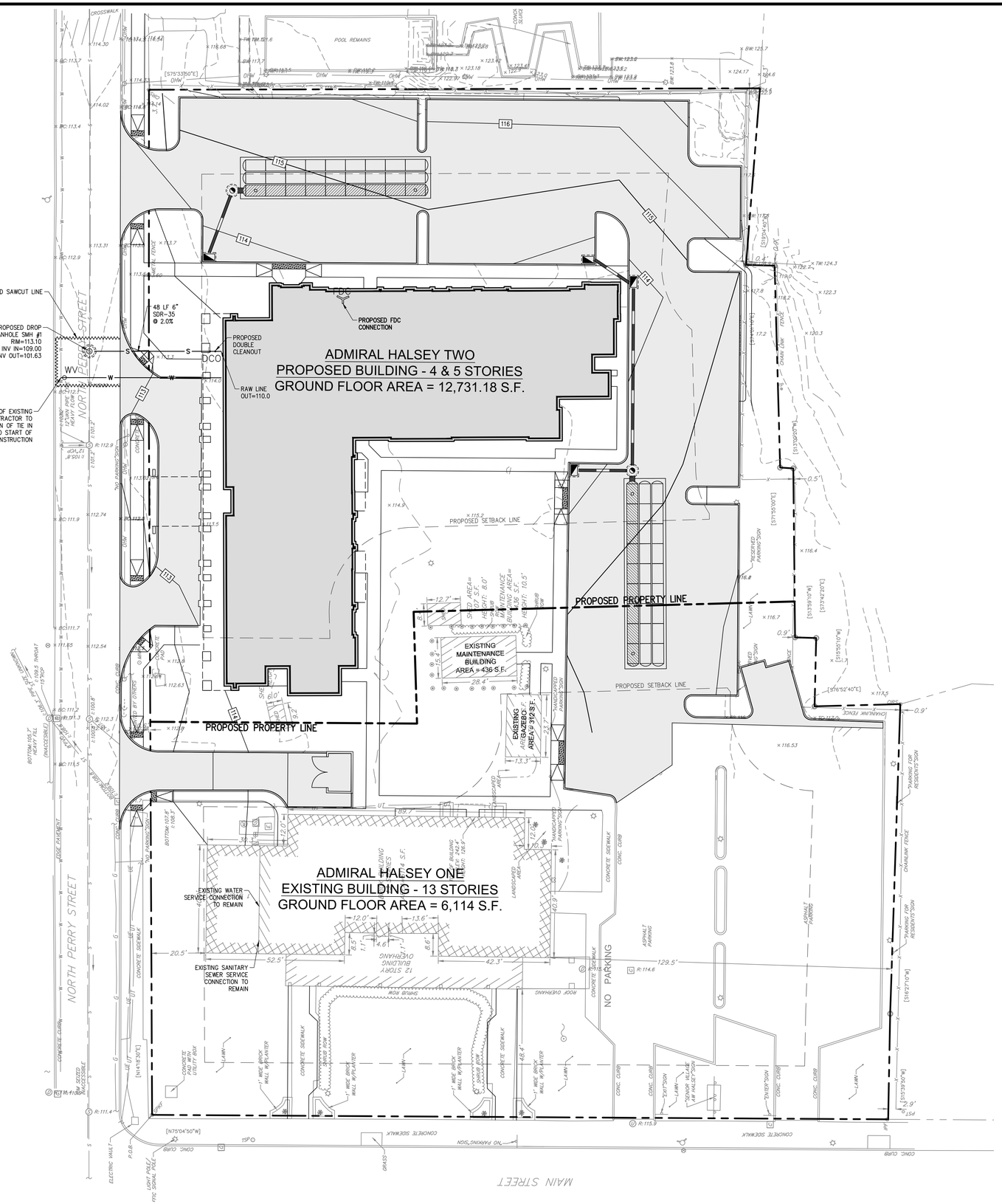

# SITE DRAINAGE PLAN

## ADMIRAL HALSEY II

125 MAIN STREET
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NEW YORK

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| Approved | REM | Scale | 1"=20' | |

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## LEGEND

- S — PROPOSED SANITARY SERVICE
- W — PROPOSED WATER SERVICE
- DCO — PROPOSED DOUBLE SANITARY CLEANOUT
- WSO — PROPOSED WATER SHUT OFF VALVE
- PROPOSED SANITARY MANHOLE
- PROPOSED SAWCUT

## CONTRACTOR NOTES

1. BACKFLOW PREVENTION IS REQUIRED FOR BOTH THE FIRE AND DOMESTIC WATER SERVICE CONNECTIONS.
2. TAPPING SLEEVE VALVE AND CURB VALVE IN THE STREET ARE TO BE RIGHT OPEN PER CITY OF POUGHKEEPSIE DPW REQUIREMENTS.

GRAPHIC SCALE
20 10 0 20
SCALE IN FEET

STATE OF NEW YORK
RODNEY E. MORRISON
LICENSED PROFESSIONAL ENGINEER
075159

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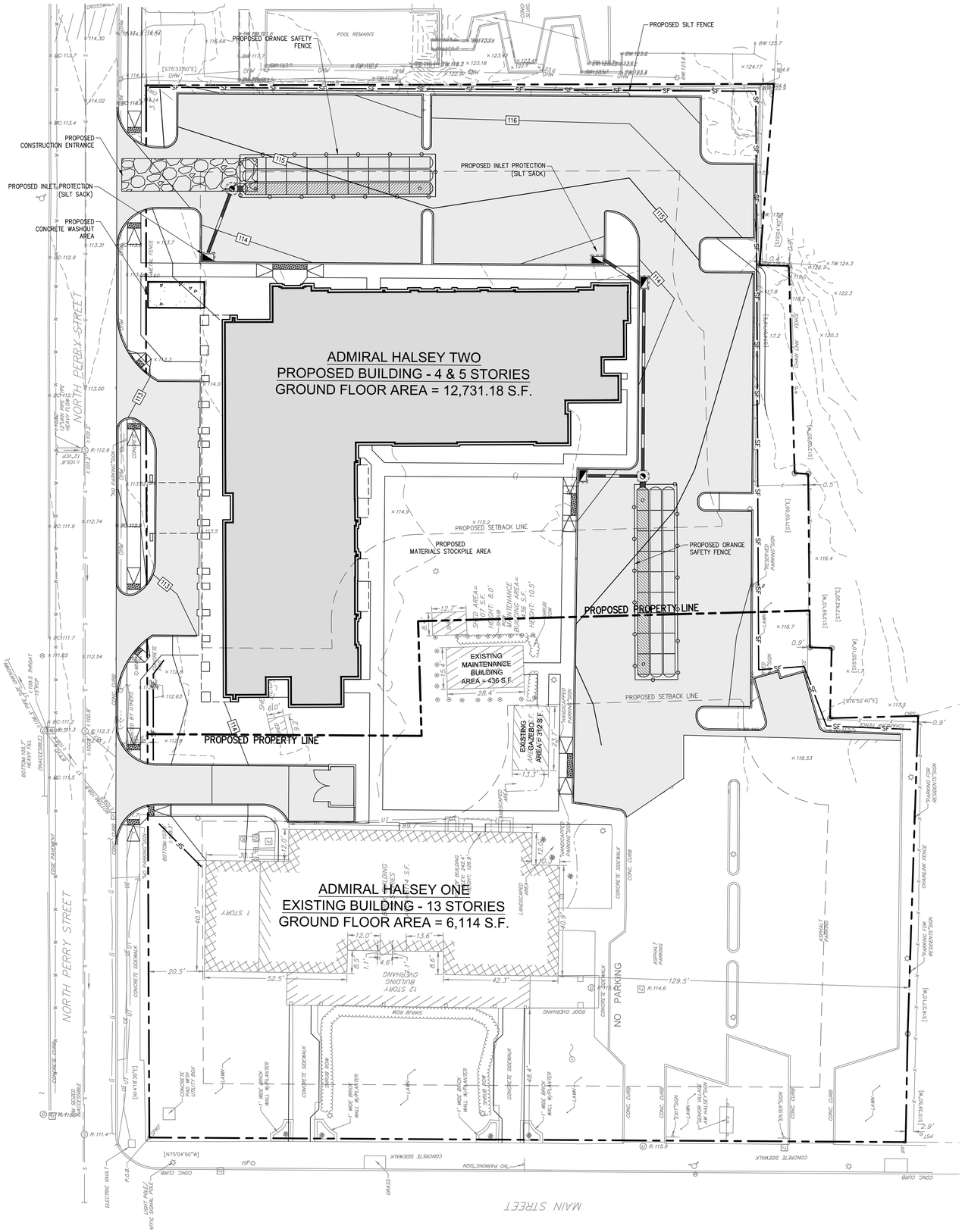

# UTILITIES PLAN

## ADMIRAL HALSEY II

125 MAIN STREET
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NEW YORK

| | | | | | |
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| Design/Calcs | BS | CAD File | UT21273001.dwg | Sheet No. | UT-1 |
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# CITY OF POUGHKEEPSIE EROSION AND SILTATION CONTROL NOTES

1. All unvegetated areas in excess of 10%, per direction of the Engineer, shall have temporary seeding of fast germinating rye, 10 to 15 #'s per 1,000 sq. ft.
2. Graded areas – upper elevations: Provide temporary drainage swales, 1% grade min., to direct runoff away from construction sites. Discharge areas to be acceptable to the Engineer.
3. Graded areas – lower elevations: Provide drainage swales, 1% min. grades, with staked and secured hay bale siltation. Location of hay bales and discharge areas per approval of Engineer.
4. Permanent seeded areas for erosion control: Mixture of perennial rye and blue and red fescue grasses (50/50), 15 to 25 #'s per 1,000 sq. ft., mulching at 5# 's per 1,000 sq. ft., fertilizer – 5.10.5 at 5#'s per 1,000 sq. ft. (if determined necessary by Engineer), with pegging and netting for grades in excess of 15%.
5. All permanent drainage interceptor swales to be seeded per Item 4 also.
6. All erosion control shall be in accordance with the latest "Urban Erosion and Sediment Control Guidebook" of the Dutchess County Soil and Water Conservation District.
7. All areas shall be seeded and mulched as soon as possible.
8. Grade as needed and feasible to permit the use of conventional equipment for seed bed preparation, seeding and mulch application.
9. Scarify all compacted soils prior to applying topsoil.
10. Apply topsoil per Standard #6 Table 6.1 of the Soil Erosion Control Guide Book.
11. Seed mix shall be as follows:
    Ky. Blue grass 20 lbs/ac.
    Creeping Red Fescue 40 lbs/ac.

# LEGEND

- SF — PROPOSED SILT FENCE
- CE — PROPOSED CONSTRUCTION ENTRANCE
- PROPOSED INLET PROTECTION (SILT SACKS)
- PROPOSED SOIL MATERIALS STOCKPILE AREA WITH SILT FENCE IN LANDSCAPED AREAS. STOCKPILE IN ASPHALT AREAS SHALL HAVE A TARP COVERING AND MUST BE ANCHORED PROPERLY TO NOT LET SEDIMENT ESCAPE.

# EROSION AND SEDIMENT CONTROL PLAN

1. LAND DISTURBANCE WILL BE KEPT TO A MINIMUM; RESTABILIZATION WILL BE SCHEDULED AS SOON AS PRACTICABLE.
2. SILTATION FENCE WILL BE INSTALLED AT ALL CULVERT OUTLETS AND ALONG THE TOE OF ALL CRITICAL CUT AND FILL SLOPES.
3. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE NEW YORK STATE EROSION & SEDIMENT CONTROL "BLUE BOOK" 2005.
4. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO CONSTRUCTION WHENEVER POSSIBLE.
5. ALL CONTROL MEASURES SHALL BE MAINTAINED IN EFFECTIVE CONDITION THROUGHOUT THE CONSTRUCTION PERIOD.
6. ADDITIONAL CONTROL MEASURES SHALL BE INSTALLED DURING THE CONSTRUCTION PERIOD, IF NECESSARY OR REQUIRED.
7. SEDIMENT REMOVED FROM CONTROL STRUCTURES WILL BE DISPOSED OF IN A MANNER WHICH IS CONSISTENT WITH THE INTENT OF THE PLAN.
8. DUST CONTROL AND ANTI–TRACKING MAINTENANCE TO BE ADDRESSED AND RESOLVED ON A DAILY BASIS.

# INSTALLATION OF SEDIMENTATION AND EROSION CONTROL MEASURES

## I. SILTATION FENCE

A. DIG A SIX INCH TRENCH ON THE UPHILL SIDE OF THE DESIGNATED FENCE LINE LOCATION.

B. POSITION THE POST AT THE BACK OF THE TRENCH (DOWNHILL SIDE), AND HAMMER THE POST AT LEAST 2.0 FEET INTO THE GROUND.

C. LAY THE BOTTOM SIX INCHES OF THE FABRIC INTO THE TRENCH TO PREVENT UNDERMINING BY STORM WATER RUN–OFF.

D. BACKFILL THE TRENCH AND COMPACT.

# OPERATION AND MAINTENANCE OF SEDIMENTATION AND EROSION CONTROL MEASURES

## I. SILTATION FENCE

ALL SILTATION FENCES SHALL BE INSPECTED ONCE EVERY SEVEN DAYS. ALL DETERIORATED FABRIC AND DAMAGED POSTS SHALL BE REPLACED AND PROPERLY REPOSITIONED IN ACCORDANCE WITH THIS PLAN.

SEDIMENT DEPOSITS SHALL BE REMOVED FROM BEHIND THE FENCE WHEN THEY EXCEED A HEIGHT OF ONE FOOT.

## II. INLET PROTECTION

ALL INLET PROTECTION DEVICES SHALL BE INSPECTED DAILY BY THE QUALIFIED INSPECTOR TO ENSURE THAT SEDIMENT IS NOT ENTERING ANY STORM DRAIN INLETS. PROTECTION DEVICES ARE TO BE REPAIRED AND/OR REPLACED IF NOT FUNCTIONING AS DESIGNED.

# TEMPORARY VEGETATIVE STABILIZATION

1. ESTABLISHMENT OF TEMPORARY STANDS OF GRASS BY SEEDING AND MULCHING EXPOSED SOILS THAT WILL BE EXPOSED. SEED BARE SOIL WITHIN SEVEN (7) DAYS OF EXPOSURE, UNLESS CONSTRUCTION WILL BEGIN WITHIN FOURTEEN (14) DAYS. IF CONSTRUCTION IS SUSPENDED, OR SECTIONS COMPLETED, AREAS SHOULD BE SEEDED DOWN OR MULCHED DOWN IMMEDIATELY. THIS WILL TEMPORARILY STABILIZE THE SOIL WITH A VEGETATIVE COVER THAT WILL PREVENT DAMAGE FROM WIND AND WATER EROSION AND SEDIMENTATION.
2. INSTALLATION: FERTILIZING, SEEDING, AND MULCHING WILL BE USED AS A TEMPORARY E&S CONTROL MEASURE ON ALL NON–PAVED DISTURBED AREAS. EXPOSED SOILS NOT SUBJECT TO CONSTRUCTION TRAFFIC SHALL BE SEEDED OR COVERED BY MULCH WITHIN 7 DAYS, INCLUDING STOCKPILED SOIL MATERIALS. WITH REGARD TO THE TEMPORARY SEED MIX, REFER TO THE SEEDING MIXTURE TABLE PROVIDED ON THE E&S CONTROL PLAN DETAIL SHEET.
3. OPERATIONS AND MAINTENANCE: INSPECT SEEDED AREA AT LEAST ONCE A WEEK FOR SEED AND MULCH MOVEMENT AND RILL EROSION. WHERE SEED HAS MOVED OR WHERE SOIL EROSION HAS OCCURRED, DETERMINE CAUSE OF THE FAILURE. BIRD FEEDING MAY BE A PROBLEM IF MULCH WAS APPLIED TOO THINLY TO PROTECT SEED. RE–SEED AND RE–MULCH. IF MOVEMENT WAS A RESULT OF WIND, REPAIR EROSION DAMAGE, REAPPLY SEED, MULCH AND APPLY MULCH ANCHORING. IF FAILURE WAS CAUSED BY CONCENTRATED RUNOFF, INSTALL ADDITIONAL MEASURES TO CONTROL WATER AND SEDIMENT MOVEMENT, REPAIR EROSION DAMAGE, RE–SEED AND RE–APPLY MULCH WITH ANCHORING OR USE EROSION CONTROL BLANKET.

# SEEDING AND MULCHING

ANY DISTURBED AREAS THAT WILL BE LEFT EXPOSED FOR MORE THAN 7 DAYS AND NOT SUBJECT TO CONSTRUCTION TRAFFIC, SHALL IMMEDIATELY RECEIVE SEEDING AND MULCHING. DISTURBED AREAS SHALL BE LIMITED AND BE COVERED WITH A LAYER OF TOPSOIL PRIOR TO SEEDING. SEEDING WILL BE INSPECTED FOR BARE SPOTS, WASH OUTS, AND HEALTHY GROWTH. IF REQUIRED ADDITIONAL SEEDING SHALL BE PERFORMED. THE SEED MIX SPECIFIED FOR THIS SITE IS FROM THE NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL, TABLE 3.2 (SITE CHOICE 1B) WHICH IS AS FOLLOWS:

| | Pure Live Seed Values | |
|---|---|---|
| SPECIES (% by weight) | lbs/1000SF | lbs/acre |
| 15% fine fescue | 2.0 – 2.6 | 85 – 114 |
| 20% perrenial ryegrass | 0.6 – 0.8 | 26 – 35 |
| 65% kentucky bluegrass blend | 0.4 – 1.6 | 19 – 26 |
| | 3.0 – 4.0 | 130 – 175 |

GRAPHIC SCALE
20 10 0 20
SCALE IN FEET

STATE OF NEW YORK
RODNEY E. MORRISON
LICENSED PROFESSIONAL ENGINEER
071196

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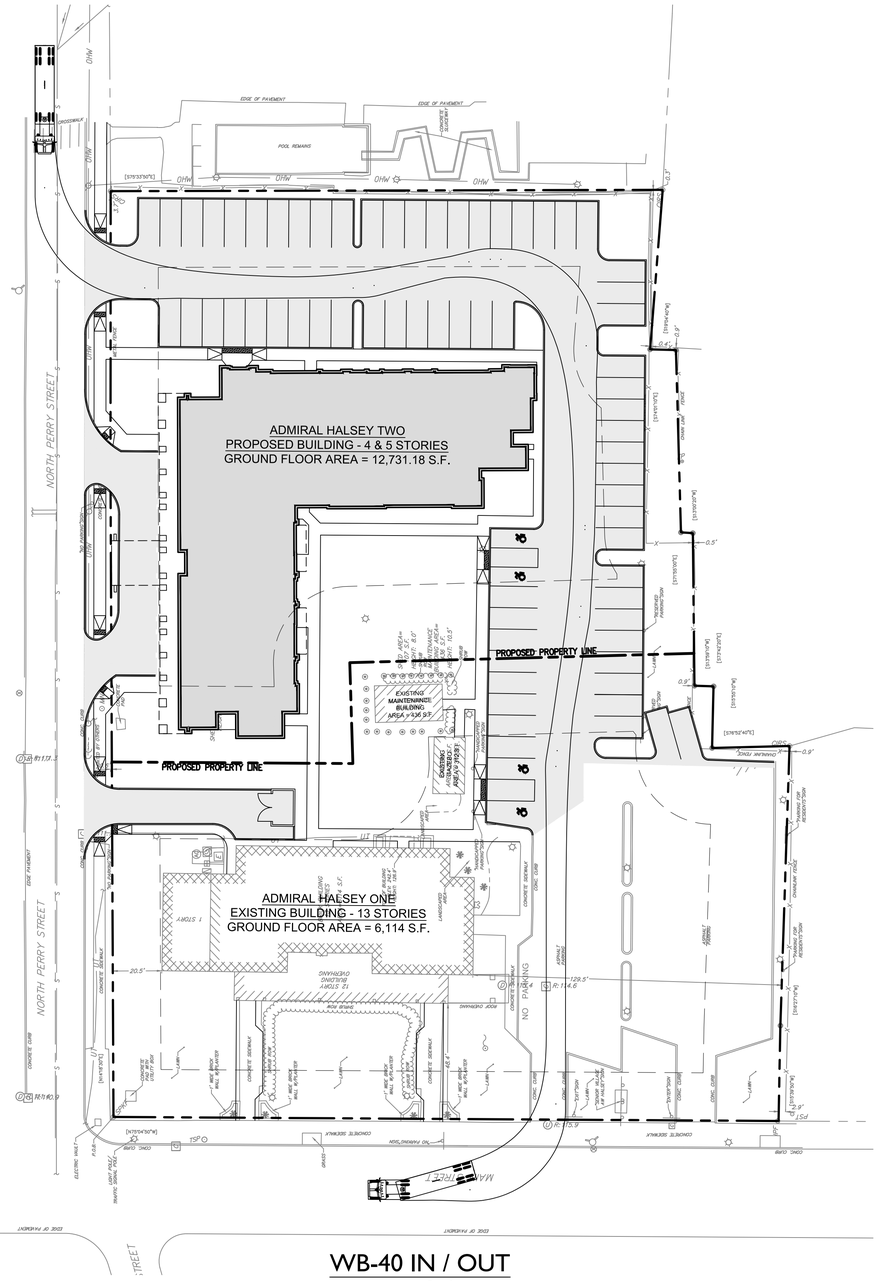
# EROSION AND SEDIMENTATION CONTROL PLAN

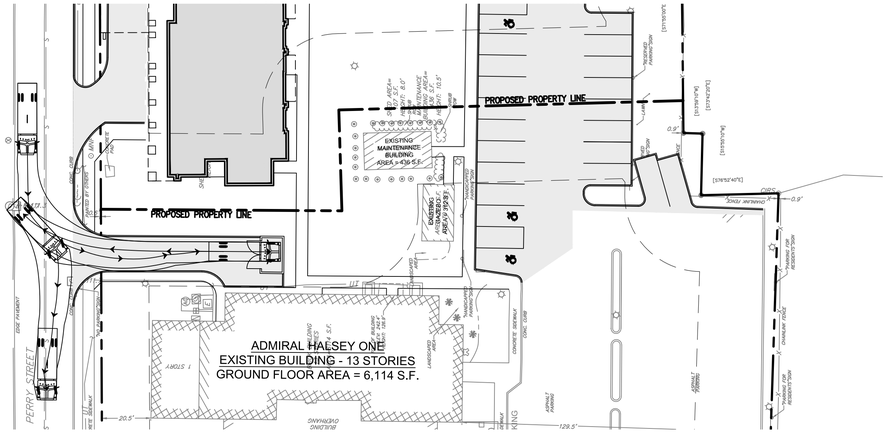
## ADMIRAL HALSEY II

125 MAIN STREET
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NEW YORK

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| Design/Calcs | BS | CAD File | EC2127300l.dwg | Sheet No. |
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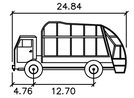

REFUSE VEHICLE

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GRAPHIC SCALE

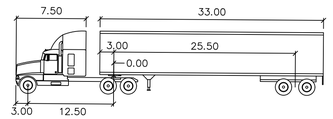
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SCALE IN FEET




Refuse Vehicle

| | feet |
|---|---|
| Width | : 7.87 |
| Track | : 7.41 |
| Lock to Lock Time | : 6.0 |
| Steering Angle | : 26.5 |




WB-40

| | feet | | |
|---|---|---|---|
| Tractor Width | : 8.00 | Lock to Lock Time | : 6.00 |
| Trailer Width | : 8.00 | Steering Angle | : 20.30 |
| Tractor Track | : 8.00 | Articulating Angle | : 70.00 |
| Trailer Track | : 8.00 | | |

WB-40 UTILIZED FOR ALL FIRE TRUCK MOVEMENTS

STATE OF NEW YORK
PRUDENCE MORRISON
074194
LICENSED PROFESSIONAL ENGINEER

| No. | Description | Date |
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# TRUCK TURNING PLAN

## ADMIRAL HALSEY II

125 MAIN STREET
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NEW YORK

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# CITY OF POUGHKEEPSIE WATER NOTES

1. ALL WATER MAINS SHALL BE CEMENT LINED DUCTILE IRON PIPE, CLASS 52 PUSH-ON JOINT, UNLESS OTHERWISE SPECIFIED BY OR APPROVED BY THE CITY OF POUGHKEEPSIE WATER DEPARTMENT. JOINTING SHALL EMPLOY "MEGALUG" CONNECTIONS, FIELD LOCK GASKET, OR AS ALTERNATIVELY SPECIFIED BY THE CITY OF POUGHKEEPSIE WATER DEPARTMENT. ALL WATER PIPING CONSTRUCTION SHALL BE TO THE SPECIFICATIONS OF THE CITY OF POUGHKEEPSIE WATER DEPARTMENT. WET TAP OF PUBLIC WATER SYSTEM SHALL BE APPROVED AND SUPERVISED BY THE CITY OF POUGHKEEPSIE WATER DEPARTMENT. TAPPING SLEEVE SHALL BE STAINLESS STEEL OR APPROVED EQUAL. ALL MAINLINE VALVES SHALL BE RESILIENT WEDGE OR APPROVED EQUAL.

2. THE WATER LINE MAY BE FLEXED WITHIN PIPE SPECIFICATIONS OR LAID DEEPER IN AREAS WHERE A CROSSING WITH A SANITARY LINE OCCURS, TO ACHIEVE THE REQUIRED 1.5' VERTICAL SEPARATION DISTANCE. IF THIS DISTANCE CANNOT BE REASONABLY ACHIEVED, THE CONTRACTOR SHALL USE PRESSURE RATED SANITARY PIPE OF EQUAL OR GREATER RATING THAN THE PRESSURE CLASS FOR THE WATER LINE.

3. MINIMUM VERTICAL SEPARATION BETWEEN WATER MAINS AND SEWER PIPE SHALL BE 18 INCHES MEASURED FROM THE OUTSIDE OF THE PIPES AT THE POINT OF CROSSING. ONE FULL STANDARD LAYING LENGTH OF WATER MAIN SHALL BE CENTERED UNDER OR OVER THE SEWER SO THAT BOTH JOINTS WILL BE AS FAR FROM THE SEWER LINE AS POSSIBLE. IN ADDITION, WHEN THE WATER MAIN PASSES UNDER A SEWER, ADEQUATE STRUCTURAL SUPPORT (COMPACTED SELECT FILL) SHALL BE PROVIDED FOR THE SEWER TO PREVENT EXCESSIVE DEFLECTION OF JOINTS AND SETTLING OF THE SEWER PIPE ON THE WATER MAIN. MINIMUM HORIZONTAL SEPARATION BETWEEN PARALLEL WATER MAINS AND SEWER PIPES (INCLUDING MANHOLES AND VAULTS) SHALL BE 10 FEET MEASURED FROM THE OUTSIDE OF THE PIPES, MANHOLES, OR VAULTS.

4. ALL WATER MAINS SHALL HAVE A MINIMUM OF (5) FIVE FEET OF COVER FROM THE TOP OF THE MAIN TO FINISHED GRADE. THE CONTRACTOR SHALL CHECK ALL FINISHED GRADE STAKES BEFORE TRENCHING TO ENSURE THAT ALL INSTALLED WATER MAINS WILL HAVE THE REQUIRED COVER.

5. THE SUPPLIER OF WATER MUST RECEIVE AT LEAST 48-HOUR ADVANCE NOTIFICATION REQUESTING SAMPLING SERVICES. SAMPLING WILL NOT BE PERFORMED PRIOR TO RECEIPT FROM A NEW YORK STATE LICENSED OR REGISTERED DESIGN PROFESSIONAL (ENGINEER, ARCHITECT, OR LAND SURVEYOR WITH A SPECIAL EXEMPTION UNDER SECTION 7208(N) OF THE EDUCATION LAW) CERTIFYING THAT THE WATER SUPPLY IMPROVEMENTS, TESTING AND DISINFECTION PROCEDURES WERE COMPLETED IN ACCORDANCE WITH THE APPROVED PLANS, REPORTS, SPECIFICATIONS, AND ANY APPROVED AMENDMENTS. A NYSDOH CERTIFIED LABORATORY WILL COLLECT SAMPLES FOR FREE CHLORINE RESIDUAL, TOTAL, AND FECAL COLIFORM AND 24-HOUR BACTERIAL PLATE COUNT. THE CERTIFICATE OF COMPLIANCE, TESTING, AND SAMPLING RESULTS SHALL BE PROVIDED TO THE CITY WATER MAINTENANCE SUPERVISOR AND DUTCHESS COUNTY DEPARTMENT OF HEALTH AS A CONDITION OF APPROVAL FOR OPERATION.

6. THE CONTRACTOR SHALL COORDINATE THE TESTING WITH THE WATER DEPARTMENT SO AS TO MAINTAIN THE AMOUNT OF SERVICE INTERRUPTION TO EXISTING USERS TO THE LEAST EXTENT PRACTICABLE. WATER MAIN INSTALLATION AND TESTING SHALL BE PERFORMED UNDER THE SUPERVISION OF THE PROJECT ENGINEER OR HIS DESIGNEE AS NECESSARY TO MEET CONDITIONS IN NOTE 5 ABOVE.

7. THE WATER MAIN SHALL BE PRESSURE LEAKAGE TESTED IN ACCORDANCE WITH THE MINIMUM REQUIREMENTS OF THE AWWA STANDARD C600 (LATEST REVISION) OR IN ACCORDANCE WITH MORE STRINGENT REQUIREMENTS IMPOSED BY THE SUPPLIER OF WATER. TEST TO FIRST VALVE WITHIN BUILDING.

8. THE WATER MAIN SHALL BE DISINFECTED EQUAL TO AWWA STANDARD FOR DISINFECTING WATER MAINS DESIGNATION C651 (LATEST REVISION). FOLLOWING DISINFECTION, THE WATER MAIN SHALL BE FLUSHED UNTIL THE CHLORINE CONCENTRATION IN THE WATER LEAVING THE MAIN IS NO HIGHER THAN THAT GENERALLY PREVAILING IN THE SYSTEM. THE PROJECT ENGINEER OR HIS DESIGNEE SHALL ALSO WITNESS DISINFECTION AND FLUSHING.

9. ALL WATER MAIN FITTINGS NOT RECEIVING 24-HOUR CHLORINE DISINFECTION CONTACT TIME MUST BE SWAB-DISINFECTED 30 MINUTES PRIOR TO INSTALLATION.

10. THE SAMPLING POINT(S) MUST BE DECONTAMINATED BY FLAMING.

11. FIRE HYDRANTS ARE NOT ACCEPTABLE SAMPLING POINTS, UNLESS OTHERWISE APPROVED BY SITE ENGINEER AND CITY OF POUGHKEEPSIE WATER DEPARTMENT.

12. FIRE HYDRANT WEEP HOLES (DRAINS) SHALL BE PLUGGED WHEN GROUND WATER IS ENCOUNTERED WITHIN SEVEN FEET OF THE FINISHED GRADE. WHEN DRAINS ARE PLUGGED, THE BARRELS MUST BE PUMPED DRY AFTER USE DURING FREEZING WEATHER. SUCH HYDRANTS SHALL BE IDENTIFIED BY MARKINGS AS APPROVED BY THE CITY OF POUGHKEEPSIE.

13. PROPOSED WATER METERS LOCATED WITHIN THE METER PIT OR BUILDING SHALL BE A COMPATIBLE REMOTE STYLE TYPE (SENSUS), AND SHALL BE APPROVED BY THE CITY OF POUGHKEEPSIE WATER DEPARTMENT PRIOR TO INSTALLATION. WATER METER SHALL BE EQUIPPED WITH (RADIO TYPE REMOTE READER) TRANSCEIVER PROVIDED BY METER MANUFACTURER AND INSTALLED AND PROGRAMMED BY THE CITY OF POUGHKEEPSIE WATER DEPARTMENT.

14. THE WATER LINE SHALL BE INSTALLED AT A CONTINUOUS GRADE WITH NO ABRUPT HIGH POINTS OR LOW POINTS.

15. FINAL WATER DISTRIBUTION SYSTEM AND CERTIFICATION IS SUBJECT TO REVIEW, REVISION AND APPROVAL BY THE CITY OF POUGHKEEPSIE WATER DEPARTMENT AND THE DCDOH PRIOR TO APPROVAL TO OPERATE.

16. ALL WATER MAINS AND RELATED APPURTENANCES SHALL BE CONSTRUCTED TO THE LATEST STANDARDS AND SPECIFICATIONS OF THE CITY OF POUGHKEEPSIE.

17. THE WATER MAIN SHALL NOT BE PLACED INTO SERVICE UNTIL SO AUTHORIZED BY THE CITY OF POUGHKEEPSIE.

18. ALL WATER SERVICE CONSTRUCTION SHALL BE SUBJECT TO INSPECTION BY THE CITY WATER DEPARTMENT PRIOR TO BACKFILLING. BEDDING AND PIPE ZONE MATERIAL SHALL BE COMPOSED OF CRUSHED STONE OR LIGHT GRAVEL HAVING A GRADATION LIMIT OF 3/4" MINUS. AN ACCEPTABLE MATERIAL SHALL MEET THE FOLLOWING REQUIREMENT:

| SIEVE DESIGNATION | % PASSING |
|---|---|
| 3/4" | 100 |
| NO.40 | 0-70 |
| NO. 200 | 0-10 |

19. TRENCH BACKFILL SHALL BE WELL-GRADED SOIL AND GRAVEL MATERIAL. ALL PARTICLES SHALL HAVE A GRADATION OF 2" OR LESS. AN ACCEPTABLE MATERIAL SHALL MEET THE FOLLOWING REQUIREMENT:

| SIEVE DESIGNATION | % PASSING |
|---|---|
| 2 INCH | 100 |
| 1/4 INCH | 30-65 |
| NO. 40 | 5-40 |
| NO. 200 | 0-15 |

20. BEDDING AND BACKFILL MATERIAL SHALL BE STOCKPILED IN AMOUNTS NECESSARY FOR REASONABLE BACKFILLING REQUIREMENTS. A SIEVE ANALYSIS OF BEDDING OR BACKFILL MAY BE REQUIRED AT THE REQUEST OF THE CITY OF POUGHKEEPSIE.

21. THE SITE UTILITY CONTRACTOR SHALL BE RESPONSIBLE FOR ALL BURIED PIPING TO THE LOCATION OF THE PROPOSED BUILDING CONNECTION POINT (I.E. INSIDE THE BUILDING). THIS INCLUDES THE TESTING AND CERTIFICATION OF ALL WATER SERVICE WORK FROM THE CITY WATER CONNECTION POINT TO THE PROPOSED BUILDINGS INTERIOR CONNECTION POINT.

22. INDICATOR TAPE SHALL BE PLACED 12" BELOW FINISHED GRADE DIRECTLY ABOVE ALL WATERLINES.

23. ALL COPPER WATER SERVICE PIPING INSTALLATION, BACKFILL AND TESTING SHALL BE REVIEWED AND APPROVED BY THE CITY OF POUGHKEEPSIE WATER MAINTENANCE SUPERVISOR OR HIS DESIGNEE. BEDDING, PIPE ZONE, AND BACKFILL MATERIAL MUST BE SAND ONLY.

24. THE PIPE SUPPORTS FOR THE METER PIT SHALL BE MADE OF GALVANIZED STEEL AND SHALL BE ADJUSTABLE. THE SUPPORTS ARE TO BE PLACED ONLY BENEATH SPOOL PIECES AND NOT UNDER CRITICAL EQUIPMENT, METERS, ETC.

25. THREE AS-BUILT DRAWINGS WHICH INCLUDE VERIFICATION OF THE WATER INFRASTRUCTURE WILL BE PROVIDED TO THE PLANNING DEPARTMENT FOR DISSEMINATION TO THE ENGINEERING AND WATER DEPARTMENTS PRIOR TO ANY EASEMENT DEDICATION TO THE CITY.

# CITY OF POUGHKEEPSIE SANITARY SEWER NOTES

1. FLOOR DRAINS, IF CONSTRUCTED, SHALL BE CONNECTED TO THE SANITARY SEWER. FLOOR DRAINS DO NOT INCLUDE FOUNDATION/FOOTER DRAIN: ALL DISCHARGES TO THE SANITARY SEWER SHALL COMPLY WITH THE EFFLUENT LIMITS OF THE LOCAL AND/OR DUTCHESS COUNTY SANITARY CODE.

2. DEFLECTION TESTS SHALL BE PERFORMED ON ALL FLEXIBLE PIPES. THE TESTS SHALL BE CONDUCTED AFTER FINAL BACKFILL HAS BEEN IN PLACE AT LEAST 5 DAYS. NO PIPE SHALL EXCEED A DEFLECTION OF 5%. IF THE DEFLECTION TEST IS TO BE RUN USING A RIGID BALL OR MANDREL, IT SHALL HAVE A DIAMETER EQUAL TO 95% OF THE INSIDE DIAMETER OF THE PIPE. THE TEST SHALL BE PERFORMED WITHOUT MECHANICAL PULLING DEVICES.

3. SANITARY SEWERS AND APPURTENANCES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF THE CITY OF POUGHKEEPSIE. ALL SANITARY SEWER SYSTEM COMPONENTS SHALL BE INSTALLED BY OR UNDER THE SUPERVISION OF A CITY OF POUGHKEEPSIE LICENSED PLUMBER IN ACCORDANCE WITH THE CITY PLUMBING CODE.

4. MAJOR EARTHWORK SHALL BE COMPLETED PRIOR TO INSTALLATION OF ANY SANITARY SEWER MAINS AND APPURTENANCES. AIR CONNECTING SEWER LINES SHALL BE FLUSHED BEFORE TESTED.

5. MAXIMUM ALLOWABLE INFILTRATION OR EXFILTRATION SHALL NOT EXCEED 100 GALLONS PER INCH DIAMETER PER MILE OF PIPE PER DAY FOR THE SANITARY SEWER. IF AN AIR TEST IS USED, THE TEST, AS A MINIMUM, SHALL CONFORM TO THE PROCEDURE DESCRIBED IN THE ASTM -F-1417 (1992) ENTITLED "STANDARD PRACTICE FOR INSTALLATION ACCEPTANCE OF GRAVITY SEWER LINES USING LOW PRESSURE AIR" (RE-APPROVED 1998). SANITARY MANHOLES SHALL BE VISUALLY INSPECTED AND TESTED FOR LEAKAGE BY EXFILTRATION OR VACUUM. VACUUM TESTING OF MANHOLES SHALL COMPLY WITH THE METHOD OUTLINED IN THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION TECHNICAL INFORMATION PAMPHLET (TIP) NO.15 (REVISED).

6. SANITARY SEWER MAINS ARE TO BE POLYVINYL CHLORIDE (PVC) AND SANITARY LATERALS SHALL BE PVC, SDR-35, UNLESS OTHERWISE NOTED.

7. FINAL SEWER COLLECTION SYSTEM LAYOUT IS SUBJECT TO REVIEW, REVISION AND APPROVAL BY THE CITY OF POUGHKEEPSIE SEWER DEPARTMENT.

8. ALL SANITARY PIPE AND/OR MANHOLES SHALL BE A MINIMUM OF TEN (10) HORIZONTAL FEET FROM THE WATER MAIN. SANITARY PIPE SHALL HAVE A MINIMUM 18" SEPARATION FROM ANY WATER MAIN OR WATER SERVICE LINE. IF FOR SOME REASON THIS SEPARATION CANNOT BE ACHIEVED, SANITARY SEWER PIPE IN THE AREA SHALL BE SDR-26 PRESSURE RATED PIPE, (OR BE ENCASED PER THE DETAIL ON DN-3) AND ONE FULL LENGTH OF WATER MAIN SHALL BE CENTERED UNDER OR OVER THE SEWER. ALL SANITARY SEWER CONSTRUCTION SHALL BE TO SPECIFICATIONS OF THE CITY OF POUGHKEEPSIE SEWER DEPARTMENT.

9. ALL SANITARY TESTING SHALL BE PERFORMED UNDER THE SUPERVISION OF THE PROJECT ENGINEER, AND CERTIFICATES OF COMPLIANCE WITH THE INSTALLATION SPECIFICATIONS, TEST STANDARDS, APPROVED PLANS OR APPROVED AMENDMENTS SHALL BE PROVIDED TO THE APPROPRIATE SEWER AUTHORITY AND THE DCDOH AS A CONDITION OF APPROVAL FOR OPERATION.

10. ALL SANITARY SEWER CONSTRUCTION SHALL BE SUBJECT TO INSPECTION BY THE CITY SEWER SUPERINTENDENT PRIOR TO BACKFILLING. PIPE BEDDING AND PIPE ZONE MATERIAL SHALL BE COMPOSED OF CRUSHED STONE OR GRAVEL, FREE OF SOFT NONDURABLE PARTICLES WITH THE FOLLOWING GRADATION REQUIREMENTS:

| SIEVE DESIGNATION | % PASSING |
|---|---|
| 3/4" | 100 |
| NO.40 | 0-70 |
| NO. 200 | 0-10 |

ALL TRENCH BACKFILL MATERIAL SHALL BE APPROVED BY THE SUPERINTENDENT OF SEWERS AND MUST MEET THE FOLLOWING GRADATION REQUIREMENT:

| SIEVE DESIGNATION | % PASSING |
|---|---|
| 2 INCH | 100 |
| 1/4 INCH | 30-65 |
| NO.40 | 5-40 |
| NO. 200 | 0-15 |

BEDDING AND BACKFILL MATERIAL SHALL BE STOCKPILED IN AMOUNTS NECESSARY FOR REASONABLE BACKFILLING REQUIREMENTS. A SIEVE ANALYSIS OF BEDDING OR BACKFILL MAY BE REQUIRED AT THE REQUEST OF THE CITY OF POUGHKEEPSIE.

11. ALL NEW SANITARY SEWER MANHOLE COVERS SHALL BE NOMINAL 26" DIAMETER CAST IRON AND SHALL READ "SANITARY SEWER". FRAMES SHALL BE 8" IN HEIGHT AND THE FRAME AND COVER SHALL BE SYRACUSE CASTINGS NO.1 009 OR AN APPROVED EQUAL.

12. INDICATOR TAPE SHALL BE PLACED 12" BELOW FINISHED GRADE DIRECTLY ABOVE ALL SANITARY LINES.

13. LOCATION OF SEWER LATERAL CLEAN OUTS ARE TO BE PLACED AS SHOWN ON THE APPROVED SITE PLAN AND NOT TO EXCEED EVERY 75' MEASURED FROM THE SEWER MAIN CONNECTION OR AS DETERMINED BY THE CITY OF POUGHKEEPSIE SUPERINTENDENT OF SEWERS WHERE LOCATIONS ARE NOT SPECIFICALLY SHOWN.

14. EXTERNAL DROP MANHOLES SHALL BE USED FOR SEWERS ENTERING AT AN ELEVATION OF 24 INCHES OR HIGHER AT THE INLET OF A SEWER MANHOLE.

15. THREE AS-BUILT DRAWINGS WHICH INCLUDE VERIFICATION OF THE SEWER INFRASTRUCTURE INCLUDING RIMS AND INVERTS WILL BE PROVIDED TO THE PLANNING DEPARTMENT FOR DISSEMINATION TO THE ENGINEERING AND SEWER DEPARTMENTS PRIOR TO ANY EASEMENT DEDICATION TO THE CITY.

# DECOMPACTION OF SOILS IN RECLAIMED AREAS:

THESE PROCEDURES SHALL BE FOLLOWED PRIOR TO INSTALLATION OF TOP SOIL OR INFILTRATION PRACTICES IN ANY AREA PREVIOUSLY IMPERVIOUS OR COMPACTED BY COSTRUCTION EQUIPMENT. FOR ALL AREAS TO BE RECLAIMED FOR STORMWATER INFILTRATION, THE AREA SHALL BE MARKED OFF WITH ORANGE SAFETY FENCE AFTER DEMOLITION AND PRIOR TO DECOMPACTION TO PREVENT FURTHER COMPACTION OF THE UNDERLYING SOILS.

AREAS RECLAIMED AS TOP SOIL:

A. APPLY 3" OF COMPOST OVER SUBSOIL AFTER SUBGRADE LEVELS HAVE BEEN REACHED AND IMMEDIATELY PRIOR TO PLACING PLANTING SOILS.

B. THE ENTIRE SUBGRADE AREA SHALL BE LOOSENED TO A MINIMUM DEPTH OF 12 INCHES UTILIZING THE BUCKET OF A BACK HOE, CAT MOUNTED RIPPER, TILLER, OR EQUIVALENT EQUIPMENT. ROCK PICK UNTIL UPLIFTED STONE/ROCK MATERIAL OF FOUR INCHES AND LARGER SIZE HAVE BEEN CLEARED FROM THE SITE.

C. ANY SUBGRADE AREAS WHICH HAVE BECOME HEAVILY COMPACTED (DEFINED AS EXCEEDING 86%-88% COMPACTION ASTM 698 STANDARD PROCTOR) INCLUDING, BUT NOT LIMITED TO, TEMPORARY PARKING AREAS, MATERIAL STOCKPILE AREAS, TEMPORARY ROADWAYS, CONSTRUCTION AREAS AND AREAS AROUND THE BUILDING, OTHER CONSTRUCTION AREAS, AREAS SHOWN ON THE PLANS, OR AREAS IDENTIFIED BY THE DESIGN PROFESSIONAL SHALL BE DEEP-SCARIFIED. IMMEDIATELY PRIOR TO PLACING SOILS, HEAVILY COMPACTED AREAS SHALL BE LOOSENED TO A MINIMUM DEPTH OF 18 INCHES USING THE TEETH OF A BACK HOE OR OTHER SUITABLE EQUIPMENT. FREQUENCY OF COMPACTION TESTS SHALL BE ONE PER 500 SQUARE FEET.

D. CONFIRM THAT THE SUBGRADE IS AT THE PROPER ELEVATION AND THAT NO FURTHER EARTHWORK IS REQUIRED TO BRING THE SUBGRADE TO PROPER ELEVATIONS. PROVIDE A REPORT TO THE DESIGN PROFESSIONAL THAT THE SUBGRADE HAS BEEN PLACED TO THE REQUIRED ELEVATIONS, HAS BEEN DECOMPACTED ACCORDING TO THE CONTRACT DOCUMENTS AND IS READY FOR INSPECTION AT LEAST 3 DAYS PRIOR TO PLACING PLANTING SOIL. PERFORM NO WORK OF PLACING AND SPREADING PLANTING MIXED UNTIL ELEVATIONS HAVE BEEN CONFIRMED AND THE AREA HAS BEEN ACCEPTED BY THE OWNER'S REPRESENTATIVE.

E. AFTER THE SOILS HAVE BEEN LOOSENED AND INSPECTED, TOPSOIL MAY BE SPREAD BY USING A WIDE-TRACK BULLDOZER SIZE D-5 OR SMALLER OR MAY BE DUMPED AND SPREAD WITH THE BUCKET OF A BACKHOE FROM THE EDGE OF THE LOOSENED AREA. NO RUBBER-TIRED EQUIPMENT OR HEAVY EQUIPMENT EXCEPT FOR A SMALL BULLDOZER SHALL PASS OVER THE SUBSOILS (SUBGRADE) AFTER THEY HAVE BEEN LOOSENED. IF THE CONTRACTOR PLANS TO UTILIZE SUCH AREAS FOR ANY USE OF HEAVY EQUIPMENT, THIS SHOULD BE CARRIED OUT PRIOR TO BEGINNING THE PROCESS OF LOOSENING SOILS OR FILLING IN THAT AREA, OR IT WILL HAVE TO BE RESCARIFIED AND MEET THIS SPECIFICATION REQUIREMENT.

AREAS RECLAIMED FOR STORMWATER INFILTRATION PRACTICES:

A. EXCAVATE AREA TO THE DEPTH OF THE PROPOSED BOTTOM OF THE INFILTRATION PRACTICE.

B. THE ENTIRE SUBGRADE AREA SHALL BE LOOSENED TO A MINIMUM DEPTH OF 12 INCHES BELOW PROPOSED SUBGRADE UTILIZING THE BUCKET OF A BACK HOE, CAT MOUNTED RIPPER, TILLER, OR EQUIVALENT EQUIPMENT. ROCK PICK UNTIL UPLIFTED STONE/ROCK MATERIAL OF FOUR INCHES AND LARGER SIZE HAVE BEEN CLEARED FROM THE SITE.

C. ANY SUBGRADE AREAS WHICH REMAIN HEAVILY COMPACTED (DEFINED AS EXCEEDING 86%-88% COMPACTION ASTM 698 STANDARD PROCTOR), AS SHOWN ON THE PLANS, OR AREAS IDENTIFIED BY THE DESIGN PROFESSIONAL SHALL BE DEEP-SCARIFIED. IMMEDIATELY PRIOR TO PLACING SOILS, HEAVILY COMPACTED AREAS SHALL BE LOOSENED TO A MINIMUM DEPTH OF 18 INCHES USING THE TEETH OF A BACK HOE OR OTHER SUITABLE EQUIPMENT. FREQUENCY OF COMPACTION TESTS SHALL BE ONE PER 500 SQUARE FEET.

D. CONFIRM THAT THE SUBGRADE IS AT THE PROPER ELEVATION AND THAT NO FURTHER EARTHWORK IS REQUIRED TO BRING THE SUBGRADE TO PROPER ELEVATIONS. PROVIDE A REPORT TO THE DESIGN PROFESSIONAL THAT THE SUBGRADE HAS BEEN PLACED TO THE REQUIRED ELEVATIONS, HAS BEEN DECOMPACTED ACCORDING TO THE CONTRACT DOCUMENTS AND IS READY FOR INSPECTION AT LEAST 3 DAYS PRIOR TO PLACING INFILTRATION PRACTICES. PERFORM NO WORK UNTIL ELEVATIONS HAVE BEEN CONFIRMED AND THE AREA HAS BEEN ACCEPTED BY THE OWNER'S REPRESENTATIVE.

E. AFTER THE SOILS HAVE BEEN LOOSENED AND INSPECTED, INFILTRATION PRACTICES MAY BE INSTALLED USING A WIDE-TRACK BULLDOZER SIZE D-5 OR SMALLER OR MAY BE PLACED, DUMPED, OR SPREAD WITH THE BUCKET OF A BACKHOE FROM THE EDGE OF THE LOOSENED AREA. NO RUBBER-TIRED EQUIPMENT OR HEAVY EQUIPMENT EXCEPT FOR A SMALL BULLDOZER SHALL PASS OVER THE SUBSOILS (SUBGRADE) AFTER THEY HAVE BEEN LOOSENED. IF THE CONTRACTOR PLANS TO UTILIZE SUCH AREAS FOR ANY USE OF HEAVY EQUIPMENT, THIS SHOULD BE CARRIED OUT PRIOR TO BEGINNING THE PROCESS OF LOOSENING SOILS OR FILLING IN THAT AREA, OR IT WILL HAVE TO BE RESCARIFIED AND MEET THIS SPECIFICATION REQUIREMENT.

F. WHEN INFILTRATION PRACTICES ARE LOCATED BELOW PAVEMENT THE AREA SHALL REMAIN FREE OF LARGE VEHICLES UNTIL THE PAVEMENT SUBBASE HAS BEEN INSTALLED.

G. FOR REFERENCE OF DECOMPACTION NOTES, SEE NYS DESIGN MANUAL SECTION 5.1.6 FOR DEEP RIPPING AND DECOMPACTION OF EXISTING AREAS THAT ARE PROPOSED FOR RESTORATION.

STATE OF NEW YORK
RODNEY E MORRISON
074194
LICENSED PROFESSIONAL ENGINEER

| Revisions | | |
|---|---|---|
| No. | Date | Description |
| | | |


LRC GROUP
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- Environmental Services
- Land Surveying
- Landscape Architecture

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LRC Engineering & Surveying, LLC
LRC Environmental Services, Inc.

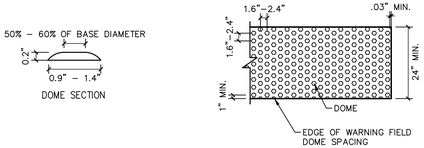

# NOTE SHEET

## ADMIRAL HALSEY II

125 MAIN STREET
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NEW YORK

| | | | | |
|---|---|---|---|---|
| Design/Calcs | BS | CAD File | NS21270301.dwg | Sheet No. |
| Drawn | SMC | Project No. | 20-2370 | NS-1 |
| Checked | KFC | Date | 2021-06-22 | |
| Approved | REM | Scale | AS NOTED | |

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NOTES:

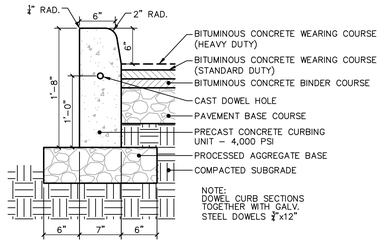
1. THE DETAILS PROVIDED ARE NOT DRAWN TO SCALE, THE QUANTITY OF DOMES DEPICTED ON THE DETECTABLE WARNING UNIT (THE DOMES AND THE ENTIRE 24" LEVEL SURFACE) IS FOR ILLUSTRATION ONLY.
2. THE SIZE OF THE DETECTABLE WARNING FIELD SHALL BE 24" IN THE DIRECTION OF TRAVEL AND SHALL EXTEND THE FULL WIDTH OF THE CURB RAMP OR FLUSH SURFACE.
3. THE ROWS OF DOMES SHALL BE ALIGNED TO BE PERPENDICULAR OR RADIAL TO THE GRADE BREAK BETWEEN THE RAMP LANDING OR CURB RAMP AND THE STREET.
4. WHERE DOMES ARE ARRAYED RADIALLY THEY MAY DIFFER IN DOME DIAMETER AND CENTER-TO- CENTER SPACING WITHIN THE RANGES SPECIFIED ON THIS SHEET.
5. THE DETECTABLE WARNING FIELD SHALL BE THE COLOR SPECIFIED IN THE CONTRACT DOCUMENTS OR MEET THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS.
6. DETECTABLE WARNING SHALL BE LOCATED SO THAT THE EDGE OR CORNER OF THE WARNING FIELD NEAREST TO THE ROADWAY IS 5" TO 9" FROM THE FRONT OF THE CURB OR THE ROADWAY EDGE (12" WHERE TRAVERSABLE CURB IS USED). INSTALL THE DETECTABLE WARNING FIELD BEHIND THE FLUSH CURB.
7. THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO A RAILROAD CROSSING SHALL BE 6'–0" MINIMUM AND 15'–0" MAXIMUM FROM THE CENTERLINE OF THE NEAREST RAIL.

DETECTABLE WARNING TILE SPECS

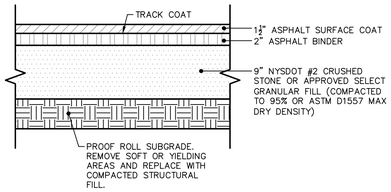
"DURALAST" CAST IRON WARNING TILES AS FABRICATED BY EAST JORDAN IRON WORKS, 800-626-4653; NATURAL FINISH (NO POWDER COATING)

NOTE: UNIT SIZE FOR RECTANGULAR APPLICATIONS IS 24"x24" AND FOR RADIAL APPLICATIONS IS 18"x24"

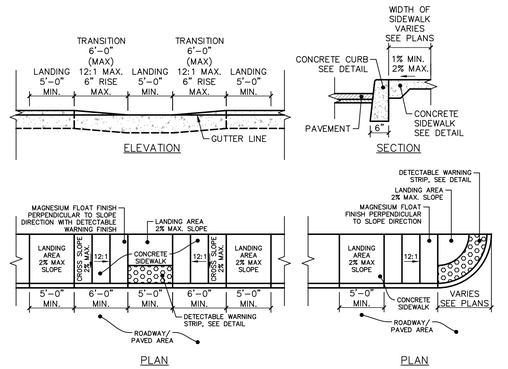
## X DETECTABLE WARNING DETAIL
SCALE: 1/2" = 1'–0"



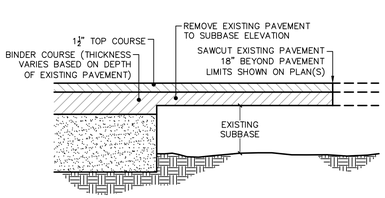

## X CONCRETE CURB DETAIL
SCALE: 1" = 1'–0"



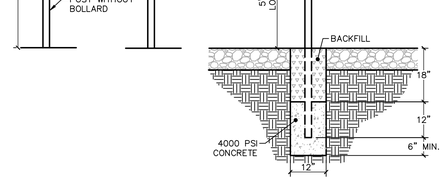

## X STANDARD ASPHALT PAVING DETAIL
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## X HANDICAP RAMP DETAIL
SCALE: 1/8" = 1'–0"



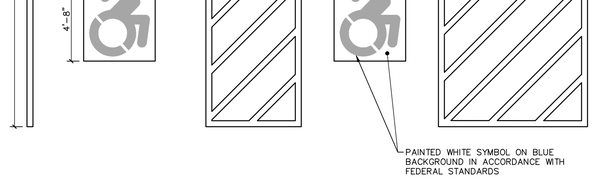

## X PAVEMENT TRANSITION DETAIL
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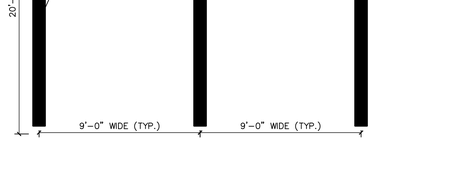




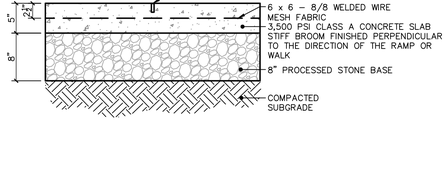
## X ACCESSIBLE PARKING & ACCESS SIGNS
SCALE: 1/2" = 1'–0"




## X ACCESSIBLE PARKING SPACE DETAIL
SCALE: 1/4" = 1'–0"




## X PARKING SPACE STRIPE DETAIL
SCALE: 1/4" = 1'–0"




## X CONCRETE SIDEWALK SECTION DETAIL
SCALE: 1" = 1'–0"




| Revisions | | |
|---|---|---|
| # | Date | Description |

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- Environmental Services
- Land Surveying
- Landscape Architecture

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LRC Engineering & Surveying, LLC
LRC Environmental Services, Inc.

# SITE DETAILS

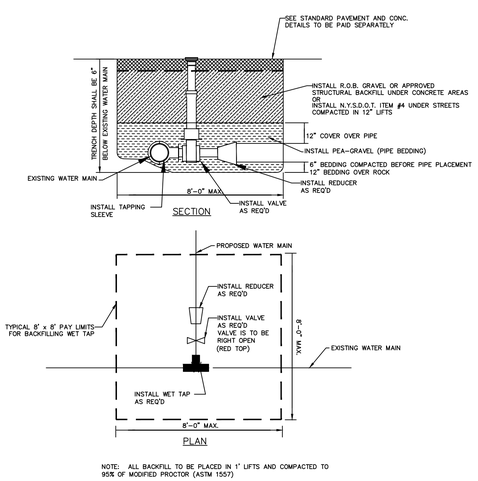
## ADMIRAL HALSEY II

125 MAIN STREET
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NEW YORK

| | | | |
|---|---|---|---|
| Design/Calcs | BS | CAD File | DN21270301.dwg |
| Drawn | SMC | Project No. | 20–2370 |
| Checked | KFC | Date | 2021–06–22 |
| Approved | REM | Scale | AS NOTED |

Sheet No. DN-1

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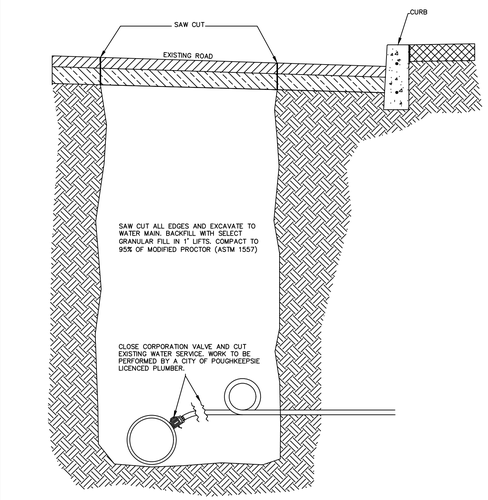



NOTE: ALL BACKFILL TO BE PLACED IN 1' LIFTS AND COMPACTED TO 95% OF MODIFIED PROCTOR (ASTM 1557)

## TAPPING SLEEVE & VALVE

SCALE: N.T.S.

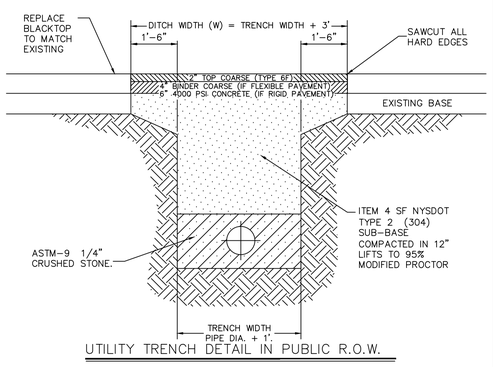
| CITY OF POUGHKEEPSIE ENGINEERING DEPARTMENT 80 WASHINGTON STREET POUGHKEEPSIE, NY 12602 | FILE NO.: | | TAPPING SLEEVE & VALVE | 1 PAGE NO. |
|---|---|---|---|---|
| | DATE: | 3-6-00 | | |
| | SCALE: | AS NOTED | | |
| | DRAWN BY: | JP | | |




## WATER SERVICE DISCONNECT AT MAIN

SCALE: N.T.S.

| CITY OF POUGHKEEPSIE ENGINEERING DEPARTMENT 80 WASHINGTON STREET POUGHKEEPSIE, NY 12602 | FILE NO.: | | WATER DISCONNECT @ MAIN | 1 PAGE NO. |
|---|---|---|---|---|
| | DATE: | 08-21-08 | | |
| | SCALE: | AS NOTED | | |
| | DRAWN BY: | JTK | | |

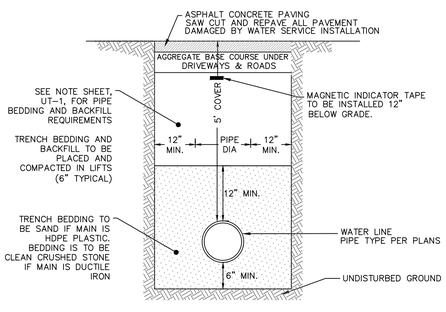



## UTILITY TRENCH DETAIL IN PUBLIC R.O.W.

NOTES:

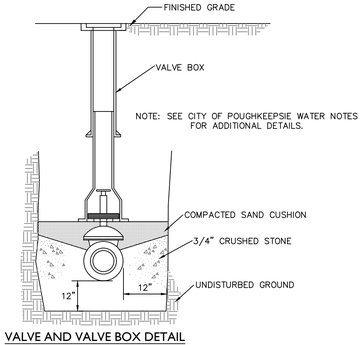
1. DITCH WIDTH SHALL EXTEND A MINIMUM OF ONE AND ONE-HALF FT. FROM THE EDGES OF THE TRENCH.
2. REPLACED BASE MATERIAL OVER TRENCH SHALL BE ITEM 4 COMPACTED IN 12" LIFTS.
3. PIPE BEDDING SHALL BE A MINIMUM OF 6" ABOVE AND BELOW PIPE
4. ALL JOINTS SHALL BE MECHANICALLY SAWED.
5. ALL JOINTS SHALL BE SQUARED TO THE EXISTING EDGE OF CURB AND/OR PAVEMENT, AND TACK COATED PER DETAIL.
6. ROAD SURFACE REPLACEMENT SHALL BE MINIMUM OF SIX INCHES OF ASPHALIC CONCRETE.
7. ASPHALT PAVEMENT TO BE PLACED IN TWO LIFTS AS SHOWN.

| CITY OF POUGHKEEPSIE ENGINEERING DEPARTMENT 62 CIVIC CENTER PLAZA POUGHKEEPSIE, NY 12602 | FILE NO.: | FLEXPAVE.DWG | TRENCH AND PAVEMENT DETAIL |
|---|---|---|---|
| | DATE: | 9-9-04 | |
| | SCALE: | AS NOTED | |
| | DRAWN BY: | ENGINEERING | |



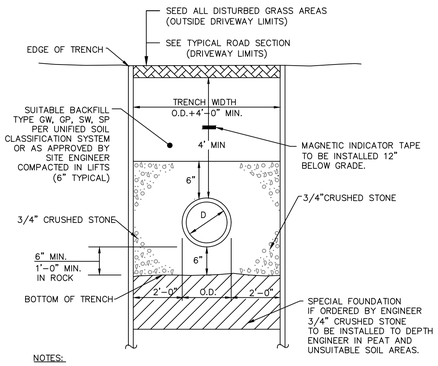

## WATER MAIN TRENCH

NOT TO SCALE




## VALVE AND VALVE BOX DETAIL

NOT TO SCALE




NOTES:

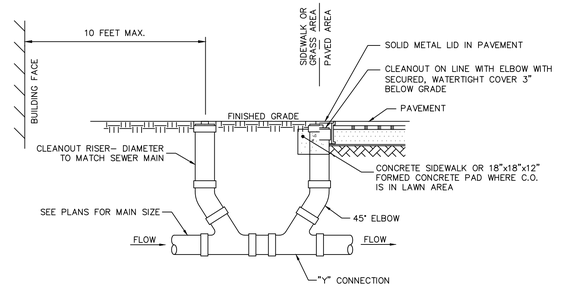
1. IF COVER IS LESS THAN 4 FEET INSULATION IS REQUIRED.

## SANITARY SEWER TRENCH SECTION

NOT TO SCALE

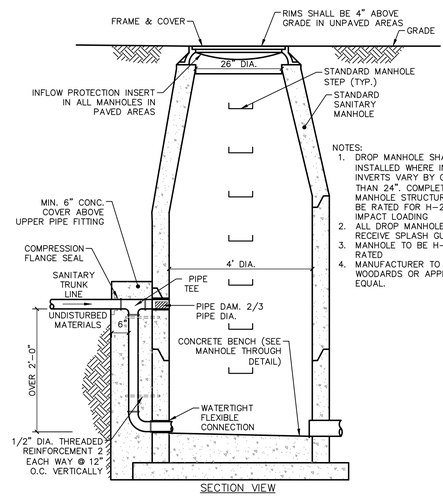
NOTES:

1. DOUBLE CLEANOUT TO BE INSTALLED ON ALL SEWER LATERALS WITHIN 10 FEET OF BUILDING FACE.
2. ANY LOCATIONS WITHIN PAVED AREAS SHALL HAVE COVERS THAT ARE H-20 LOAD RATED. ALL COVERS WHETHER IN PAVEMENT OR GRASS SHALL BE LABELED "SEWER".
3. ALL RISERS ARE TO MATCH THE SIZE OF THE SANITARY LINE.
4. IN LAWN AREAS INSTALL CONCRETE COLLAR 3 INCHES BELOW GRADE. COVER WITH TOP SOIL OR OTHER SURFACE TREATMENT AS DESIGNATED ON LANDSCAPE PLANS.




## DOUBLE SEWER CLEANOUT DETAIL

NOT TO SCALE




NOTES:

1. DROP MANHOLE SHALL BE INSTALLED WHERE IN/OUT INVERTS VARY BY GREATER THAN 24". COMPLETED MANHOLE STRUCTURE SHALL BE RATED FOR H-20 + 25% IMPACT LOADING
2. ALL DROP MANHOLES SHALL RECEIVE SPLASH GUARD.
3. MANHOLE TO BE H-20 LOAD RATED
4. MANUFACTURER TO BE WOODARDS OR APPROVED EQUAL.

SECTION VIEW

## (X) SANITARY SEWER DROP MANHOLE DETAIL

SCALE: 1/2" = 1'-0"




| Revisions | | | |
|---|---|---|---|
| # | Date | Description | |


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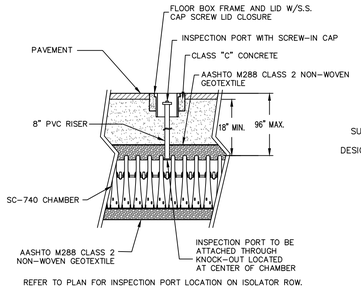

# SANITARY / WATER DETAILS

## ADMIRAL HALSEY II

125 MAIN STREET
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NEW YORK

| | | | | |
|---|---|---|---|---|
| Design/Calcs | BS | CAD File | DN21270302.dwg | Sheet No. |
| Drawn | SMC | Project No. | 20-2370 | DN-2 |
| Checked | KFC | Date | 2021-06-22 | |
| Approved | REM | Scale | AS NOTED | |

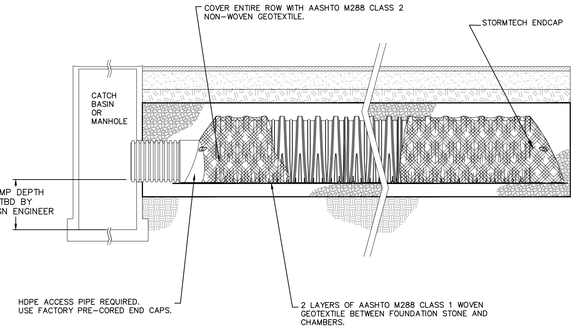
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REFER TO PLAN FOR INSPECTION PORT LOCATION ON ISOLATOR ROW.

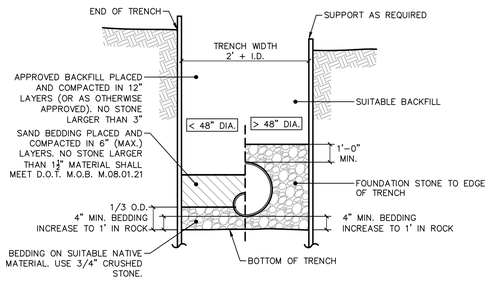
## SC-740 INSPECTION PORT DETAIL

NOT TO SCALE



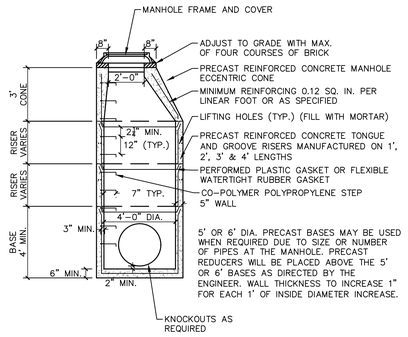

## SC-740 ISOLATOR ROW DETAIL

NOT TO SCALE




## TYPICAL STORM SEWER TRENCH SECTION DETAIL

SCALE: 1/4" = 1'-0"

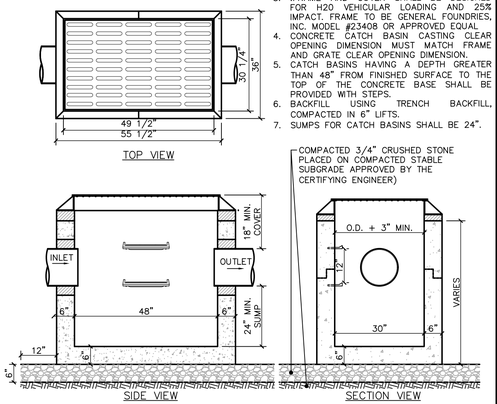



## STORM DRAINAGE MANHOLE DETAIL

SCALE: 1/4" = 1'-0"

NOTES:

1. PRECAST CONCRETE CATCH BASIN SECTIONS AS MANUFACTURED BY FORT MILLER OR APPROVED EQUAL.
2. CATCH BASIN SHALL BE PRECAST CONCRETE. DESIGNED FOR H20 VEHICULAR LOADING AND 25% IMPACT.
3. FRAME AND COVER SHALL BE DESIGNED FOR H20 VEHICULAR LOADING AND 25% IMPACT. FRAME TO BE GENERAL FOUNDRIES, INC. MODEL #2340B OR APPROVED EQUAL.
4. CONCRETE CATCH BASIN CASTING CLEAR OPENING DIMENSION MUST MATCH FRAME AND GRATE CLEAR OPENING DIMENSION.
5. CATCH BASINS HAVING A DEPTH GREATER THAN 48" FROM FINISHED SURFACE TO THE TOP OF THE CONCRETE BASE SHALL BE PROVIDED WITH STEPS.
6. BACKFILL USING TRENCH BACKFILL, COMPACTED IN 6" LIFTS.
7. SUMPS FOR CATCH BASINS SHALL BE 24".




## CURB LESS TYPE CATCH BASIN DETAIL

SCALE: 1/2" = 1'-0"




## CHAMBER TYPICAL SC 740 CONSTRUCTION SECTION

NOT TO SCALE




## CHAMBER TYPICAL CONSTRUCTION SECTION

NOT TO SCALE




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| | | |

Revisions

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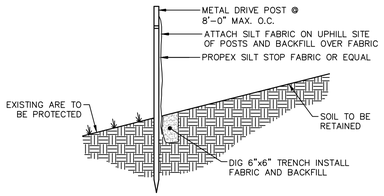
# STORMWATER DETAILS

## ADMIRAL HALSEY II

125 MAIN STREET
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NEW YORK

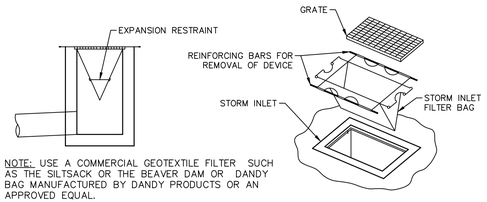
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| Design/Calcs | BS | CAD File | DN21270303.dwg | Sheet No. |
| Drawn | SMC | Project No. | 20-2370 | DN-3 |
| Checked | KFC | Date | 2021-06-22 | |
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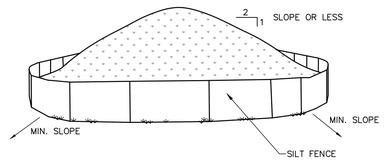

NOTE: FOR SLOPES > 5:1; PERPENDICULAR WINGS PLACED EVERY 100'
FOR SLOPES > 3:1 TO 5:1; PERPENDICULAR WINGS PLACED EVERY 75'
FOR SLOPES > 2:1 TO 3:1; PERPENDICULAR WINGS PLACED EVERY 50'

X SILT FENCE DETAIL
SCALE: N.T.S.



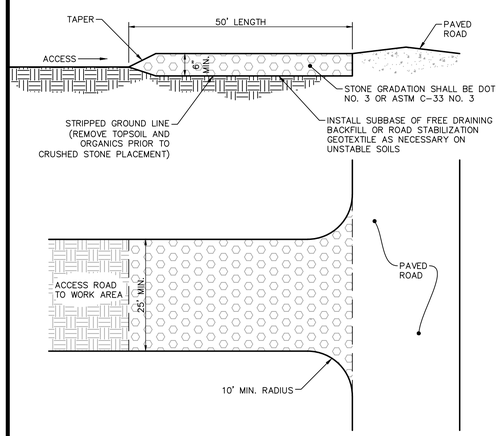

NOTE: USE A COMMERCIAL GEOTEXTILE FILTER SUCH AS THE SILTSACK OR THE BEAVER DAM OR DANDY BAG MANUFACTURED BY DANDY PRODUCTS OR AN APPROVED EQUAL.

X SILT SACK DETAIL
SCALE: N.T.S.

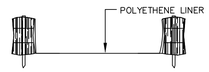



NOTES:
1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 1V:2H.
3. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH SILT FENCING, THEN STABILIZED WITH VEGETATION OR COVERED.
4. SEE SPECIFICATIONS FOR INSTALLATION OF SILT FENCE.
5. HAYBALES OR SILT SOCKS TO BE USED WHERE STOCKPILES ARE LOCATED ON PAVED AREAS.

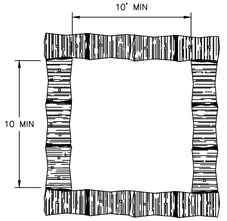
X MATERIALS STOCKPILE DETAIL
SCALE: N.T.S.




X CONSTRUCTION ENTRANCE DETAIL
SCALE: 1/16" = 1'-0"




SECTION



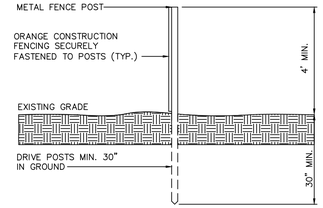

PLAN

NOTES:
1. CONCRETE WASHOUT SIGN TO BE INSTALLED WITHIN 30 FEET OF THE TEMPORARY CONCRETE WASHOUT FACILITY.
2. REMOVE HARDENED CONCRETE WHEN WITHIN 4" FROM TOP OF STRUCTURE.
3. CONSTRUCT NEW FACILITIES ONCE CURRENT FACILITIES ARE TWO-THIRDS FULL. IF CONCRETE HAS NOT HARDENED CONSTRUCT NEW FACILITIES ONCE CURRENT FACILITY IS TWO-THIRDS FULL.
4. LINERS, HAYBALES, ET.C SHALL BE INSPECTED FOR DAMAGE. ANY DAMAGE SHALL BE REPAIRED PROMPTLY.
5. SEPARATE FACILITIES TO BE USED FOR VEHICLE WASHING IF NEEDED.
6. NO CONCRETE IS TO BE WASHOUT OUT ON THE GROUND IN ANY LOCATION.

ABOVE GROUND TEMPORARY
CONCRETE/VEHICLE WASHOUT FACILITY
NOT TO SCALE




PLAN




SECTIONAL ELEVATION
ORANGE CONSTRUCTION FENCE
NOT TO SCALE




| Revisions | | |
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# EROSION CONTROL DETAILS

## ADMIRAL HALSEY II

125 MAIN STREET
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NEW YORK

| | | | | |
|---|---|---|---|---|
| Design/Calcs | BS | CAD File | DN21270304.dwg | Sheet No. |
| Drawn | SMC | Project No. | 20-2370 | DN-4 |
| Checked | KFC | Date | 2021-06-22 | |
| Approved | REM | Scale | AS NOTED | |

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| FUNCTION LEGEND | |
|---|---|
| STUDIO UNIT | |
| ONE BEDROOM UNIT | |
| TENANT AMENITIES | |
| TENANT SERVICES | |
| BUILDING MANAGEMENT | |
| COMMUNITY AMENITIES | |
| HCR SERVICES | |
| BUILDING SERVICES | |

N

1 1ST FLOOR PLAN
1/8" = 1'-0"

0' 4' 8' 16'

*THIS DRAWING IS FOR SCHEMATIC DESIGN PURPOSES ONLY AND IS NOT INTENTED FOR CONSTRUCTION. ACTUAL CONSTRUCTION DRAWINGS, AND SUBSEQUENT CONSTRUCTION MAY DIFFER SIGNIFICANTLY FROM THIS REPRESENTATION.

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www.tinkarch.com

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NEW YORK CITY, NY 10022

PROJECT NAME:
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135 MAIN STREET
POUGHKEEPSIE, NY 12601

REGISTERED ARCHITECT STEVEN TINKELMAN 16528 STATE OF NEW YORK

GROUND FLOOR PLAN

Date: 2021.06.22
Project number: Y1629.20

PZ-101

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FUNCTION LEGEND

| | |
|---|---|
| STUDIO UNIT | |
| ONE BEDROOM UNIT | |
| TENANT AMENITIES | |
| TENANT SERVICES | |
| BUILDING MANAGEMENT | |
| COMMUNITY AMENITIES | |
| HCR SERVICES | |
| BUILDING SERVICES | |

N

1 2ND - 4TH FLOOR PLAN
1/8" = 1'-0"

0' 4' 8' 16'

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REGISTERED ARCHITECT STEVEN TINKELMAN 18529 STATE OF NEW YORK

2ND - 4TH FLOORS

Date: 2021.06.22
Project number: Y1629.20

PZ-102

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| FUNCTION LEGEND | |
|---|---|
| STUDIO UNIT | |
| ONE BEDROOM UNIT | |
| TENANT AMENITIES | |
| TENANT SERVICES | |
| BUILDING MANAGEMENT | |
| COMMUNITY AMENITIES | |
| HCR SERVICES | |
| BUILDING SERVICES | |

3 5TH FLOOR PLAN
1/8" = 1'-0"

0' 4' 8' 16'

N

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PROJECT NAME:
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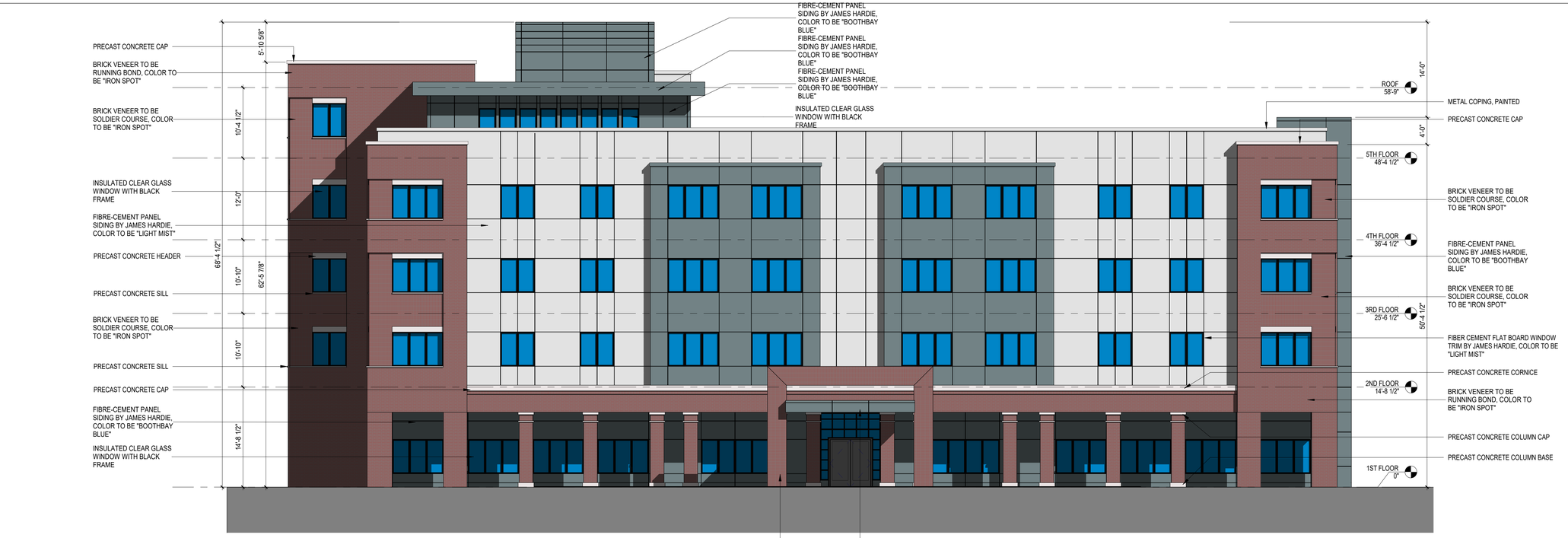
REGISTERED ARCHITECT STEVEN TINKELMAN 16526 STATE OF NEW YORK

5TH FLOOR

Date: 2021.06.22
Project number: Y1629.20

PZ-103

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1 WEST ELEVATION
1/8" = 1'-0"

0' 4' 8' 16'




2 SOUTH ELEVATION
1/8" = 1'-0"

0' 4' 8' 16'

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PROJECT NAME:

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135 MAIN STREET
POUGHKEEPSIE, NY 12601

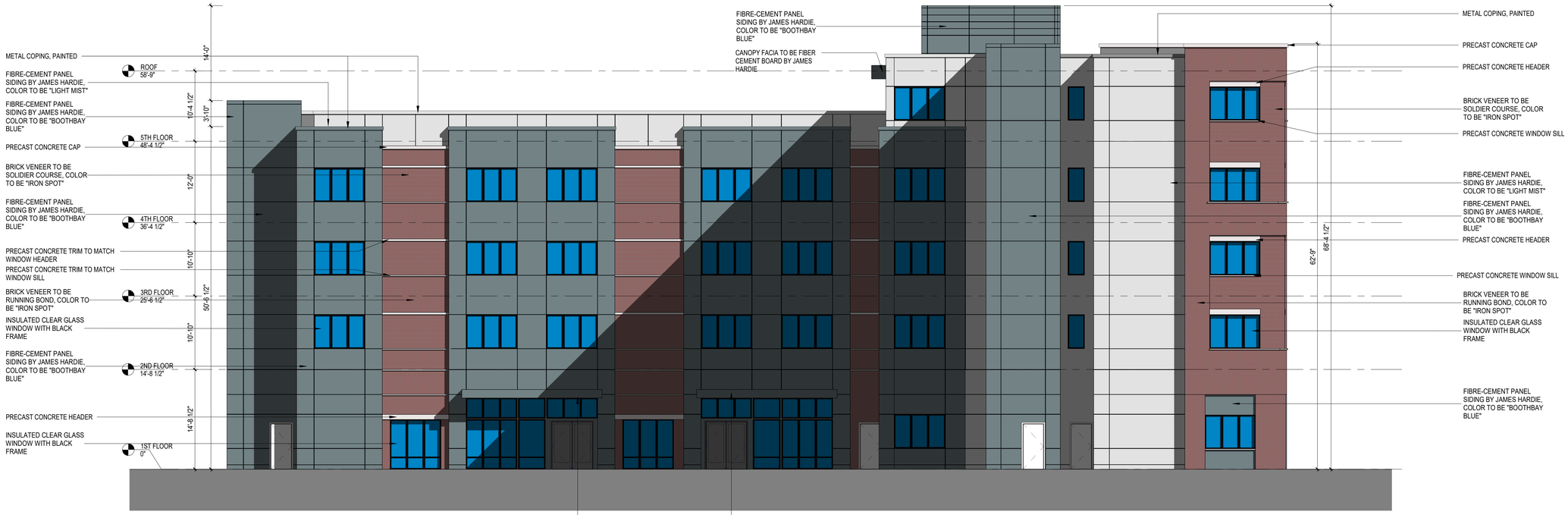
REGISTERED ARCHITECT STEVEN TINKELMAN 18528 STATE OF NEW YORK

WEST ELEVATION
SOUTH ELEVATION

Date: 2021.06.22
Project number: Y1629.20

PZ-104

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1 EAST ELEVATION
1/8" = 1'-0"
0' 4' 8' 16'




2 NORTH ELEVATION
1/8" = 1'-0"
0' 4' 8' 16'

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PROJECT NAME:

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EAST ELEVATION
NORTH ELEVATION

Date: 2021.06.22
Project number: Y1629.20

PZ-105

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2 SITE SECTION: WEST ELEVATION
NOT TO SCALE



1 SITE SECTION: SOUTH ELEVATION
NOT TO SCALE

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PROJECT NAME:
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POUGHKEEPSIE, NEW YORK 12601

REGISTERED ARCHITECT STEVEN TINKELMAN 16526 STATE OF NEW YORK

WEST SITE SECTION
SOUTH SITE SECTION

Date: 2021.06.22
Project number: Y1629

PZ-106

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2 SITE SECTION: EAST ELEVATION
NOT TO SCALE



1 SITE SECTION: NORTH ELEVATION
NOT TO SCALE

*THIS DRAWING IS FOR SCHEMATIC DESIGN PURPOSES ONLY AND IS NOT INTENTED FOR CONSTRUCTION. ACTUAL CONSTRUCTION DRAWINGS, AND SUBSEQUENT CONSTRUCTION MAY DIFFER SIGNIFICANTLY FROM THIS REPRESENTATION.

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PROJECT NAME:
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REGISTERED ARCHITECT STEVEN TINKELMAN 16528 STATE OF NEW YORK

EAST SITE SECTION
NORTH SITE SECTION

Date: 2021.06.22
Project number: Y1629

PZ-107

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1 RENDERING - LOOKING SOUTHWEST
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2 RENDERING - LOOKING NORTH
NOT TO SCALE

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POUGHKEEPSIE, NEW YORK 12601

REGISTERED ARCHITECT STEVEN TINKELMAN 16528 STATE OF NEW YORK

LOOKING NORTH LOOKING SOUTHWEST

Date: 2021.06.22
Project number: Y1629

PZ-108

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HILLMANN
CONSULTING

# New York State Department of Environmental Conservation
# Full Environmental Assessment Form



135 Main Street
Poughkeepsie, New York 12601

Prepared For:

OMNI New York, LLC
909 Third Avenue – 21st Floor
New York, New York 10022

Hillmann Project Number Z34745

June 15, 2021

HILLMANN
CONSULTING

June 15, 2021

Mr. Kenneth Spillberg
OMNI New York, LLC
909 Third Avenue – 21st Floor
New York, New York 10022

**RE: New York State Department of Environmental Conservation**
**Full Environmental Assessment Form**
135 Main Street
Poughkeepsie, New York 12601
Hillmann Project No: Z34745

Dear Mr. Spillberg:

Hillmann Consulting, LLC, is pleased to provide the results of our New York State Department of Environmental Conservation (NYSDEC) Full Environmental Assessment Form (FEAF) of the above referenced property. The FEAF was completed in accordance with the State Environmental Quality Act (SEQR) Handbook (Fourth Edition, 2020) and 6 CRR-NY 617.2.

We appreciate the opportunity to provide environmental due diligence services. If you have any questions concerning this report, or if we can assist you in any other matter, please contact our office at 908-688-7800.

Sincerely,

Hillmann Consulting, LLC

Chris Hirschmann
Director, Environmental Services

Etan Hindin
Senior Project Manager

**Attachments**

- EAF Mapper Results
- SHPO Determination Letter; November 17, 2020
- Phase I Environmental Site Assessment by Hillmann; October 27, 2020
- Geotechnical Report Carlin-Simpson & Associates; May 11, 2020

## Instructions for Completing Part 1

**Part 1 is to be completed by the applicant or project sponsor.** Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification.

Complete Part 1 based on information currently available. If additional research or investigation would be needed to fully respond to any item, please answer as thoroughly as possible based on current information; indicate whether missing information does not exist, or is not reasonably available to the sponsor; and, when possible, generally describe work or studies which would be necessary to update or fully develop that information.

Applicants/sponsors must complete all items in Sections A & B. In Sections C, D & E, most items contain an initial question that must be answered either "Yes" or "No". If the answer to the initial question is "Yes", complete the sub-questions that follow. If the answer to the initial question is "No", proceed to the next question. Section F allows the project sponsor to identify and attach any additional information. Section G requires the name and signature of the applicant or project sponsor to verify that the information contained in Part 1is accurate and complete.

**A. Project and Applicant/Sponsor Information.**

| | | |
|---|---|---|
| Name of Action or Project:<br>Admiral Halsey II - Affordable Housing Building | | |
| Project Location (describe, and attach a general location map):<br>135 Main Street, Poughkeepsie, NY | | |
| Brief Description of Proposed Action (include purpose or need):<br>Omni New York LLC ("Omni") is proposing to construct an affordable housing building with 72 income restricted units (efficiency and one-bedroom) for seniors (the "Project") on property located at 135 Main Street, Poughkeepsie, New York 12601 (the "Property"). The Property is currently improved with an existing high-rise affordable housing building (Admiral Halsey I). Omni proposes to subdivide the Property into two (2) lots to permit the development. The building will be constructed on approximately 2.2 acres (101,411 sf) of lot area and will encompass approximately 85,800 sf of building floor area. The subject property is located in an R6 zoning district. | | |
| Name of Applicant/Sponsor:<br>Ken Spillberg - SVP of Development, Omni New York LLC | Telephone: (646) 502-7197<br>E-Mail: info@onyllc.com | |
| Address: 909 3rd Ave, 21st floor | | |
| City/PO: New York | State: NY | Zip Code: 10022 |
| Project Contact (if not same as sponsor; give name and title/role):<br>Etan Hindin - Senior Project and Account Manager, Hillmann Consulting, LLC | Telephone: (908) 688-7800 x237<br>E-Mail: ehindin@hillmannconsulting.com | |
| Address:<br>1600 Route 22 East | | |
| City/PO:<br>Union | State:<br>NJ | Zip Code:<br>07083 |
| Property Owner (if not same as sponsor): | Telephone:<br>E-Mail: | |
| Address: | | |
| City/PO: | State: | Zip Code: |

**B. Government Approvals**

**B. Government Approvals, Funding, or Sponsorship.** ("Funding" includes grants, loans, tax relief, and any other forms of financial assistance.)

| Government Entity | If Yes: Identify Agency and Approval(s) Required | Application Date (Actual or projected) |
|---|---|---|
| a. City Counsel, Town Board, or Village Board of Trustees ☑Yes ☐No | City of Poughkeepsie - Common Council (PILOT) | TBD |
| b. City, Town or Village Planning Board or Commission ☑Yes ☐No | City of Poughkeepsie - Site Plan | TBD |
| c. City, Town or Village Zoning Board of Appeals ☑Yes ☐No | City of Poughkeepsie - Area Variances | TBD |
| d. Other local agencies ☐Yes ☐No | | |
| e. County agencies ☑Yes ☐No | Dutchess County Planning - GML Referral | TBD |
| f. Regional agencies ☐Yes ☐No | | |
| g. State agencies ☑Yes ☐No | NYSDEC - SWPPP; NYS HCR - Funding; SHPO | TBD |
| h. Federal agencies ☐Yes ☐No | | |

i. Coastal Resources.

*i.* Is the project site within a Coastal Area, or the waterfront area of a Designated Inland Waterway? ☑Yes ☐No

*ii.* Is the project site located in a community with an approved Local Waterfront Revitalization Program? ☐Yes ☑No

*iii.* Is the project site within a Coastal Erosion Hazard Area? ☐Yes ☑No

**C. Planning and Zoning**

**C.1. Planning and zoning actions.**

Will administrative or legislative adoption, or amendment of a plan, local law, ordinance, rule or regulation be the only approval(s) which must be granted to enable the proposed action to proceed? ☐Yes ☑No

- **If Yes,** complete sections C, F and G.
- **If No,** proceed to question C.2 and complete all remaining sections and questions in Part 1

**C.2. Adopted land use plans.**

a. Do any municipally- adopted (city, town, village or county) comprehensive land use plan(s) include the site where the proposed action would be located? ☑Yes ☐No

If Yes, does the comprehensive plan include specific recommendations for the site where the proposed action would be located? ☐Yes ☑No

b. Is the site of the proposed action within any local or regional special planning district (for example: Greenway; Brownfield Opportunity Area (BOA); designated State or Federal heritage area; watershed management plan; or other?) ☐Yes ☑No

If Yes, identify the plan(s):

_____

_____

_____

c. Is the proposed action located wholly or partially within an area listed in an adopted municipal open space plan, or an adopted municipal farmland protection plan? ☐Yes ☑No

If Yes, identify the plan(s):

_____

_____

_____

**C.3. Zoning**

a. Is the site of the proposed action located in a municipality with an adopted zoning law or ordinance. ☑ Yes ☐ No
If Yes, what is the zoning classification(s) including any applicable overlay district?
R6

b. Is the use permitted or allowed by a special or conditional use permit? ☑ Yes ☐ No

c. Is a zoning change requested as part of the proposed action? ☐ Yes ☑ No
If Yes,
*i.* What is the proposed new zoning for the site?

**C.4. Existing community services.**

a. In what school district is the project site located? Poughkeepsie City School District

b. What police or other public protection forces serve the project site?
City of Poughkeepsie Police Department

c. Which fire protection and emergency medical services serve the project site?
City of Poughkeepsie Fire Department

d. What parks serve the project site?
Wheaton Park

**D. Project Details**

**D.1. Proposed and Potential Development**

a. What is the general nature of the proposed action (e.g., residential, industrial, commercial, recreational; if mixed, include all components)? Residential

b. a. Total acreage of the site of the proposed action? 2.2 acres
b. Total acreage to be physically disturbed? 2.2 acres
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? 2.2 acres

c. Is the proposed action an expansion of an existing project or use? ☐ Yes ☑ No
*i.* If Yes, what is the approximate percentage of the proposed expansion and identify the units (e.g., acres, miles, housing units, square feet)? % _____ Units: _____

d. Is the proposed action a subdivision, or does it include a subdivision? ☑ Yes ☐ No
If Yes,
*i.* Purpose or type of subdivision? (e.g., residential, industrial, commercial; if mixed, specify types)
Residential
*ii.* Is a cluster/conservation layout proposed? ☐ Yes ☑ No
*iii.* Number of lots proposed? 2
*iv.* Minimum and maximum proposed lot sizes? Minimum 101,411 sf Maximum 101,411 sf

e. Will the proposed action be constructed in multiple phases? ☐ Yes ☑ No
*i.* If No, anticipated period of construction: 24 months
*ii.* If Yes:
- Total number of phases anticipated _____
- Anticipated commencement date of phase 1 (including demolition) _____ month _____ year
- Anticipated completion date of final phase _____ month _____year
- Generally describe connections or relationships among phases, including any contingencies where progress of one phase may determine timing or duration of future phases: _____

f. Does the project include new residential uses? ☑ Yes ☐ No

If Yes, show numbers of units proposed.

| | One Family | Two Family | Three Family | Multiple Family (four or more) |
|---|---|---|---|---|
| Initial Phase | | | | 72 |
| At completion of all phases | | | | 72 |

g. Does the proposed action include new non-residential construction (including expansions)? ☐ Yes ☑ No

If Yes,

*i.* Total number of structures _____

*ii.* Dimensions (in feet) of largest proposed structure: _____height; _____width; and _____ length

*iii.* Approximate extent of building space to be heated or cooled: _____ square feet

h. Does the proposed action include construction or other activities that will result in the impoundment of any liquids, such as creation of a water supply, reservoir, pond, lake, waste lagoon or other storage? ☐ Yes ☑ No

If Yes,

*i.* Purpose of the impoundment: _____

*ii.* If a water impoundment, the principal source of the water: ☐ Ground water ☐ Surface water streams ☐ Other specify:

_____

*iii.* If other than water, identify the type of impounded/contained liquids and their source.

_____

*iv.* Approximate size of the proposed impoundment. Volume: _____ million gallons; surface area: _____ acres

*v.* Dimensions of the proposed dam or impounding structure: _____ height; _____ length

*vi.* Construction method/materials for the proposed dam or impounding structure (e.g., earth fill, rock, wood, concrete):

_____

**D.2. Project Operations**

a. Does the proposed action include any excavation, mining, or dredging, during construction, operations, or both? (Not including general site preparation, grading or installation of utilities or foundations where all excavated materials will remain onsite) ☑ Yes ☐ No

If Yes:

*i* .What is the purpose of the excavation or dredging? Excav. of soil/removal of unsuitable fill for construction of new building.

*ii.* How much material (including rock, earth, sediments, etc.) is proposed to be removed from the site?

- Volume (specify tons or cubic yards): TBD
- Over what duration of time? TBD

*iii.* Describe nature and characteristics of materials to be excavated or dredged, and plans to use, manage or dispose of them.

Existing fill shall be removed from the project site. Potentially usable fill should be stockpiled and covered with tarps or plastic sheeting for protection from excess moisture. If any soft or otherwise unsuitable soils are noted, the unsuitable material shall be removed and replaced with new structural fill.

*iv.* Will there be onsite dewatering or processing of excavated materials? ☑ Yes ☐ No

If yes, describe. Any fill material that is or becomes wet must be dried prior to its re-use.

_____

*v.* What is the total area to be dredged or excavated? 2.2 acres

*vi.* What is the maximum area to be worked at any one time? 2.2 acres

*vii.* What would be the maximum depth of excavation or dredging? 7.5 feet

*viii.* Will the excavation require blasting? ☐ Yes ☑ No

*ix.* Summarize site reclamation goals and plan: _____

The goal is to re-use as much existing fill as possible for the construction of the new building. As mentioned, Potentially usable fill should be stockpiled and covered with tarps or plastic sheeting for protection from excess moisture. If any soft or otherwise unsuitable soils are noted, the unsuitable material shall be removed and replaced with new structural fill.

b. Would the proposed action cause or result in alteration of, increase or decrease in size of, or encroachment into any existing wetland, waterbody, shoreline, beach or adjacent area? ☐ Yes ☑ No

If Yes:

*i.* Identify the wetland or waterbody which would be affected (by name, water index number, wetland map number or geographic description): _____

_____

*ii.* Describe how the proposed action would affect that waterbody or wetland, e.g. excavation, fill, placement of structures, or alteration of channels, banks and shorelines. Indicate extent of activities, alterations and additions in square feet or acres:

_____

_____

_____

_____

*iii.* Will the proposed action cause or result in disturbance to bottom sediments? ☐ Yes ☑ No

If Yes, describe: _____

*iv.* Will the proposed action cause or result in the destruction or removal of aquatic vegetation? ☐ Yes ☑ No

If Yes:

- acres of aquatic vegetation proposed to be removed: _____
- expected acreage of aquatic vegetation remaining after project completion: _____
- purpose of proposed removal (e.g. beach clearing, invasive species control, boat access): _____

_____

- proposed method of plant removal: _____
- if chemical/herbicide treatment will be used, specify product(s): _____

*v.* Describe any proposed reclamation/mitigation following disturbance: _____

_____

c. Will the proposed action use, or create a new demand for water? ☑ Yes ☐ No

If Yes:

*i.* Total anticipated water usage/demand per day: 14,400 gallons/day

*ii.* Will the proposed action obtain water from an existing public water supply? ☑ Yes ☐ No

If Yes:

- Name of district or service area: Poughkeepsie Water District
- Does the existing public water supply have capacity to serve the proposal? ☑ Yes ☐ No
- Is the project site in the existing district? ☑ Yes ☐ No
- Is expansion of the district needed? ☐ Yes ☑ No
- Do existing lines serve the project site? ☑ Yes ☐ No

*iii.* Will line extension within an existing district be necessary to supply the project? ☐ Yes ☑ No

If Yes:

- Describe extensions or capacity expansions proposed to serve this project: _____

_____

- Source(s) of supply for the district: _____

*iv.* Is a new water supply district or service area proposed to be formed to serve the project site? ☐ Yes ☑ No

If, Yes:

- Applicant/sponsor for new district: _____
- Date application submitted or anticipated: _____
- Proposed source(s) of supply for new district: _____

*v.* If a public water supply will not be used, describe plans to provide water supply for the project: _____

_____

*vi.* If water supply will be from wells (public or private), what is the maximum pumping capacity: _____ gallons/minute.

d. Will the proposed action generate liquid wastes? ☐ Yes ☑ No

If Yes:

*i.* Total anticipated liquid waste generation per day: _____ gallons/day

*ii.* Nature of liquid wastes to be generated (e.g., sanitary wastewater, industrial; if combination, describe all components and approximate volumes or proportions of each): _____

_____

_____

*iii.* Will the proposed action use any existing public wastewater treatment facilities? ☑ Yes ☐ No

If Yes:

- Name of wastewater treatment plant to be used: Poughkeepsie Water Treatment Facility
- Name of district: City of Poughkeepsie Water Treatment District
- Does the existing wastewater treatment plant have capacity to serve the project? ☑ Yes ☐ No
- Is the project site in the existing district? ☑ Yes ☐ No
- Is expansion of the district needed? ☐ Yes ☑ No

- Do existing sewer lines serve the project site? ☑ Yes ☐ No
- Will a line extension within an existing district be necessary to serve the project? ☐ Yes ☑ No

If Yes:

- Describe extensions or capacity expansions proposed to serve this project: _____

_____

_____

*iv.* Will a new wastewater (sewage) treatment district be formed to serve the project site? ☐ Yes ☑ No

If Yes:

- Applicant/sponsor for new district: _____
- Date application submitted or anticipated: _____
- What is the receiving water for the wastewater discharge? _____

*v.* If public facilities will not be used, describe plans to provide wastewater treatment for the project, including specifying proposed receiving water (name and classification if surface discharge or describe subsurface disposal plans):

_____

_____

*vi.* Describe any plans or designs to capture, recycle or reuse liquid waste: _____

_____

_____

e. Will the proposed action disturb more than one acre and create stormwater runoff, either from new point sources (i.e. ditches, pipes, swales, curbs, gutters or other concentrated flows of stormwater) or non-point source (i.e. sheet flow) during construction or post construction? ☐ Yes ☑ No

If Yes:

*i.* How much impervious surface will the project create in relation to total size of project parcel?

_____ Square feet or _____ acres (impervious surface)

_____ Square feet or _____ acres (parcel size)

*ii.* Describe types of new point sources. _____

_____

*iii.* Where will the stormwater runoff be directed (i.e. on-site stormwater management facility/structures, adjacent properties, groundwater, on-site surface water or off-site surface waters)?

_____

_____

- If to surface waters, identify receiving water bodies or wetlands: _____

_____

_____

- Will stormwater runoff flow to adjacent properties? ☐ Yes ☐ No

*iv.* Does the proposed plan minimize impervious surfaces, use pervious materials or collect and re-use stormwater? ☐ Yes ☐ No

f. Does the proposed action include, or will it use on-site, one or more sources of air emissions, including fuel combustion, waste incineration, or other processes or operations? ☐ Yes ☑ No

If Yes, identify:

*i.* Mobile sources during project operations (e.g., heavy equipment, fleet or delivery vehicles)

_____

*ii.* Stationary sources during construction (e.g., power generation, structural heating, batch plant, crushers)

_____

*iii.* Stationary sources during operations (e.g., process emissions, large boilers, electric generation)

_____

g. Will any air emission sources named in D.2.f (above), require a NY State Air Registration, Air Facility Permit, or Federal Clean Air Act Title IV or Title V Permit? ☐ Yes ☑ No

If Yes:

*i.* Is the project site located in an Air quality non-attainment area? (Area routinely or periodically fails to meet ambient air quality standards for all or some parts of the year) ☐ Yes ☐ No

*ii.* In addition to emissions as calculated in the application, the project will generate:

- _____Tons/year (short tons) of Carbon Dioxide ($CO_2$)
- _____Tons/year (short tons) of Nitrous Oxide ($N_2O$)
- _____Tons/year (short tons) of Perfluorocarbons (PFCs)
- _____Tons/year (short tons) of Sulfur Hexafluoride ($SF_6$)
- _____Tons/year (short tons) of Carbon Dioxide equivalent of Hydroflourocarbons (HFCs)
- _____Tons/year (short tons) of Hazardous Air Pollutants (HAPs)

h. Will the proposed action generate or emit methane (including, but not limited to, sewage treatment plants, landfills, composting facilities)? ☐Yes ☑No

If Yes:

*i.* Estimate methane generation in tons/year (metric): _____

*ii.* Describe any methane capture, control or elimination measures included in project design (e.g., combustion to generate heat or electricity, flaring): _____

_____

i. Will the proposed action result in the release of air pollutants from open-air operations or processes, such as quarry or landfill operations? ☐Yes ☑No

If Yes: Describe operations and nature of emissions (e.g., diesel exhaust, rock particulates/dust):

_____

_____

j. Will the proposed action result in a substantial increase in traffic above present levels or generate substantial new demand for transportation facilities or services? ☐Yes ☑No

If Yes:

*i.* When is the peak traffic expected (Check all that apply): ☐ Morning ☐ Evening ☐Weekend ☐ Randomly between hours of _____ to _____.

*ii.* For commercial activities only, projected number of truck trips/day and type (e.g., semi trailers and dump trucks): _____

_____

*iii.* Parking spaces: Existing _____ Proposed _____ Net increase/decrease _____

*iv.* Does the proposed action include any shared use parking? ☐Yes ☑No

*v.* If the proposed action includes any modification of existing roads, creation of new roads or change in existing access, describe:

_____

*vi.* Are public/private transportation service(s) or facilities available within ½ mile of the proposed site? ☑Yes ☐No

*vii* Will the proposed action include access to public transportation or accommodations for use of hybrid, electric or other alternative fueled vehicles? ☐Yes ☑No

*viii*. Will the proposed action include plans for pedestrian or bicycle accommodations for connections to existing pedestrian or bicycle routes? ☐Yes ☑No

k. Will the proposed action (for commercial or industrial projects only) generate new or additional demand for energy? ☐Yes ☑No

If Yes:

*i.* Estimate annual electricity demand during operation of the proposed action: _____

_____

*ii.* Anticipated sources/suppliers of electricity for the project (e.g., on-site combustion, on-site renewable, via grid/local utility, or other):

_____

*iii.* Will the proposed action require a new, or an upgrade, to an existing substation? ☐Yes ☑No

l. Hours of operation. Answer all items which apply.

*i.* During Construction:

- Monday - Friday: 7:00 AM - 4:00 PM
- Saturday: N/A
- Sunday: N/A
- Holidays: N/A

*ii.* During Operations:

- Monday - Friday: 24/7
- Saturday: 24/7
- Sunday: 24/7
- Holidays: 24/7

m. Will the proposed action produce noise that will exceed existing ambient noise levels during construction, operation, or both? ☐ Yes ☑ No

If yes:

*i.* Provide details including sources, time of day and duration:

_____

_____

*ii.* Will the proposed action remove existing natural barriers that could act as a noise barrier or screen? ☐ Yes ☑ No

Describe: _____

_____

n. Will the proposed action have outdoor lighting? ☐ Yes ☑ No

If yes:

*i.* Describe source(s), location(s), height of fixture(s), direction/aim, and proximity to nearest occupied structures:

_____

_____

*ii.* Will proposed action remove existing natural barriers that could act as a light barrier or screen? ☐ Yes ☑ No

Describe: _____

_____

o. Does the proposed action have the potential to produce odors for more than one hour per day? ☐ Yes ☑ No

If Yes, describe possible sources, potential frequency and duration of odor emissions, and proximity to nearest occupied structures: _____

_____

_____

p. Will the proposed action include any bulk storage of petroleum (combined capacity of over 1,100 gallons) or chemical products 185 gallons in above ground storage or any amount in underground storage? ☐ Yes ☑ No

If Yes:

*i.* Product(s) to be stored _____

*ii.* Volume(s) _____ per unit time _____ (e.g., month, year)

*iii.* Generally, describe the proposed storage facilities:_____

_____

q. Will the proposed action (commercial, industrial and recreational projects only) use pesticides (i.e., herbicides, insecticides) during construction or operation? ☐ Yes ☑ No

If Yes:

*i.* Describe proposed treatment(s):

_____

_____

_____

_____

*ii.* Will the proposed action use Integrated Pest Management Practices? ☐ Yes ☑ No

r. Will the proposed action (commercial or industrial projects only) involve or require the management or disposal of solid waste (excluding hazardous materials)? ☐ Yes ☑ No

If Yes:

*i.* Describe any solid waste(s) to be generated during construction or operation of the facility:

- Construction: _____ tons per _____ (unit of time)
- Operation : _____ tons per _____ (unit of time)

*ii.* Describe any proposals for on-site minimization, recycling or reuse of materials to avoid disposal as solid waste:

- Construction: _____

  _____
- Operation: _____

  _____

*iii.* Proposed disposal methods/facilities for solid waste generated on-site:

- Construction: _____

  _____
- Operation: _____

  _____

s. Does the proposed action include construction or modification of a solid waste management facility? ☐ Yes ☑ No

If Yes:

*i.* Type of management or handling of waste proposed for the site (e.g., recycling or transfer station, composting, landfill, or other disposal activities): _____

*ii.* Anticipated rate of disposal/processing:

- _____ Tons/month, if transfer or other non-combustion/thermal treatment, or
- _____ Tons/hour, if combustion or thermal treatment

*iii.* If landfill, anticipated site life: _____ years

t. Will the proposed action at the site involve the commercial generation, treatment, storage, or disposal of hazardous waste? ☐ Yes ☑ No

If Yes:

*i.* Name(s) of all hazardous wastes or constituents to be generated, handled or managed at facility: _____

_____

_____

*ii.* Generally describe processes or activities involving hazardous wastes or constituents: _____

_____

_____

*iii.* Specify amount to be handled or generated _____ tons/month

*iv.* Describe any proposals for on-site minimization, recycling or reuse of hazardous constituents: _____

_____

_____

*v.* Will any hazardous wastes be disposed at an existing offsite hazardous waste facility? ☐ Yes ☐ No

If Yes: provide name and location of facility: _____

_____

If No: describe proposed management of any hazardous wastes which will not be sent to a hazardous waste facility:

_____

_____

**E. Site and Setting of Proposed Action**

**E.1. Land uses on and surrounding the project site**

a. Existing land uses.

*i.* Check all uses that occur on, adjoining and near the project site.

☐ Urban ☐ Industrial ☑ Commercial ☑ Residential (suburban) ☐ Rural (non-farm)

☐ Forest ☐ Agriculture ☐ Aquatic ☑ Other (specify): Parkland

*ii.* If mix of uses, generally describe:

_____

_____

b. Land uses and covertypes on the project site.

| Land use or Covertype | Current Acreage | Acreage After Project Completion | Change (Acres +/-) |
|---|---|---|---|
| • Roads, buildings, and other paved or impervious surfaces | 2.2 | 2.2 | 0 |
| • Forested | | | |
| • Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural) | | | |
| • Agricultural (includes active orchards, field, greenhouse etc.) | | | |
| • Surface water features (lakes, ponds, streams, rivers, etc.) | | | |
| • Wetlands (freshwater or tidal) | | | |
| • Non-vegetated (bare rock, earth or fill) | | | |
| • Other Describe: _____ _____ | | | |

c. Is the project site presently used by members of the community for public recreation? ☐ Yes ☑ No

*i.* If Yes: explain: _____

d. Are there any facilities serving children, the elderly, people with disabilities (e.g., schools, hospitals, licensed day care centers, or group homes) within 1500 feet of the project site? ☑ Yes ☐ No

If Yes,

*i.* Identify Facilities:

The Grand Rehabilitation and Nursing at River Valley, Christopher Columbus Elementary School, Trinity Temple Church-Seventh, , St. Joseph's Church, Wheaton Park.

e. Does the project site contain an existing dam? ☐ Yes ☑ No

If Yes:

*i.* Dimensions of the dam and impoundment:

- Dam height: _____ feet
- Dam length: _____ feet
- Surface area: _____ acres
- Volume impounded: _____ gallons OR acre-feet

*ii.* Dam's existing hazard classification: _____

*iii.* Provide date and summarize results of last inspection:

_____

_____

f. Has the project site ever been used as a municipal, commercial or industrial solid waste management facility, or does the project site adjoin property which is now, or was at one time, used as a solid waste management facility? ☐ Yes ☑ No

If Yes:

*i.* Has the facility been formally closed? ☐ Yes ☐ No

- If yes, cite sources/documentation: _____

*ii.* Describe the location of the project site relative to the boundaries of the solid waste management facility:

_____

_____

*iii.* Describe any development constraints due to the prior solid waste activities: _____

_____

g. Have hazardous wastes been generated, treated and/or disposed of at the site, or does the project site adjoin property which is now or was at one time used to commercially treat, store and/or dispose of hazardous waste? ☐ Yes ☑ No

If Yes:

*i.* Describe waste(s) handled and waste management activities, including approximate time when activities occurred:

_____

_____

h. Potential contamination history. Has there been a reported spill at the proposed project site, or have any remedial actions been conducted at or adjacent to the proposed site? ☐ Yes ☑ No

If Yes:

*i.* Is any portion of the site listed on the NYSDEC Spills Incidents database or Environmental Site Remediation database? Check all that apply: ☐ Yes ☐ No

☐ Yes – Spills Incidents database Provide DEC ID number(s): _____

☐ Yes – Environmental Site Remediation database Provide DEC ID number(s): _____

☐ Neither database

*ii.* If site has been subject of RCRA corrective activities, describe control measures:_____

_____

_____

*iii.* Is the project within 2000 feet of any site in the NYSDEC Environmental Site Remediation database? ☑ Yes ☐ No

If yes, provide DEC ID number(s): V00292, 314068, 314071, C314125, 546031

*iv.* If yes to (i), (ii) or (iii) above, describe current status of site(s):

Remediation at sites V00292, 314068 and C314125 are complete. At site 314071 there was little to no evidence of contamination and no contact with site-related contaminants is expected. For site 546031, a remedial investigation to address floodplain soils in the Upper Hudson River Floodplain under USEPA and State oversight is now underway.

*v.* Is the project site subject to an institutional control limiting property uses? ☐ Yes ☑ No

- If yes, DEC site ID number: _____
- Describe the type of institutional control (e.g., deed restriction or easement): _____
- Describe any use limitations: _____
- Describe any engineering controls: _____
- Will the project affect the institutional or engineering controls in place? ☐ Yes ☐ No
- Explain: _____

**E.2. Natural Resources On or Near Project Site**

a. What is the average depth to bedrock on the project site? 13 feet

b. Are there bedrock outcroppings on the project site? ☐ Yes ☑ No
If Yes, what proportion of the site is comprised of bedrock outcroppings? _____%

c. Predominant soil type(s) present on project site:

| | |
|---|---|
| Fill Material | 50 % |
| Coarse Sand | 50 % |
| | % |

d. What is the average depth to the water table on the project site? Average: 8.5 feet

e. Drainage status of project site soils:
- ☑ Well Drained: 100 % of site
- ☐ Moderately Well Drained: _____% of site
- ☐ Poorly Drained _____% of site

f. Approximate proportion of proposed action site with slopes:
- ☑ 0-10%: 100 % of site
- ☐ 10-15%: _____% of site
- ☐ 15% or greater: _____% of site

g. Are there any unique geologic features on the project site? ☐ Yes ☑ No
If Yes, describe: _____

h. Surface water features.

*i.* Does any portion of the project site contain wetlands or other waterbodies (including streams, rivers, ponds or lakes)? ☐ Yes ☑ No

*ii.* Do any wetlands or other waterbodies adjoin the project site? ☐ Yes ☑ No

If Yes to either *i* or *ii*, continue. If No, skip to E.2.i.

*iii.* Are any of the wetlands or waterbodies within or adjoining the project site regulated by any federal, state or local agency? ☐ Yes ☑ No

*iv.* For each identified regulated wetland and waterbody on the project site, provide the following information:

- Streams: Name _____ Classification _____
- Lakes or Ponds: Name _____ Classification _____
- Wetlands: Name _____ Approximate Size _____
- Wetland No. (if regulated by DEC) _____

*v.* Are any of the above water bodies listed in the most recent compilation of NYS water quality-impaired waterbodies? ☐ Yes ☑ No

If yes, name of impaired water body/bodies and basis for listing as impaired: _____

i. Is the project site in a designated Floodway? ☐ Yes ☑ No

j. Is the project site in the 100-year Floodplain? ☐ Yes ☑ No

k. Is the project site in the 500-year Floodplain? ☐ Yes ☑ No

l. Is the project site located over, or immediately adjoining, a primary, principal or sole source aquifer? ☐ Yes ☑ No
If Yes:

*i.* Name of aquifer: _____

m. Identify the predominant wildlife species that occupy or use the project site: _____
N/A _____ _____ _____
_____ _____ _____

n. Does the project site contain a designated significant natural community? ☐ Yes ☑ No
If Yes:
*i.* Describe the habitat/community (composition, function, and basis for designation): _____
_____
*ii.* Source(s) of description or evaluation: _____
*iii.* Extent of community/habitat:
- Currently: _____ acres
- Following completion of project as proposed: _____ acres
- Gain or loss (indicate + or -): _____ acres

o. Does project site contain any species of plant or animal that is listed by the federal government or NYS as endangered or threatened, or does it contain any areas identified as habitat for an endangered or threatened species? ☑ Yes ☐ No

If Yes:
*i.* Species and listing (endangered or threatened): _____
Atlantic Sturgeon, Shortnose Sturgeon
_____

p. Does the project site contain any species of plant or animal that is listed by NYS as rare, or as a species of special concern? ☐ Yes ☑ No

If Yes:
*i.* Species and listing: _____
_____

q. Is the project site or adjoining area currently used for hunting, trapping, fishing or shell fishing? ☐ Yes ☑ No
If yes, give a brief description of how the proposed action may affect that use: _____
_____

**E.3. Designated Public Resources On or Near Project Site**

a. Is the project site, or any portion of it, located in a designated agricultural district certified pursuant to Agriculture and Markets Law, Article 25-AA, Section 303 and 304? ☐ Yes ☑ No
If Yes, provide county plus district name/number: _____

b. Are agricultural lands consisting of highly productive soils present? ☐ Yes ☑ No
*i.* If Yes: acreage(s) on project site? _____
*ii.* Source(s) of soil rating(s): _____

c. Does the project site contain all or part of, or is it substantially contiguous to, a registered National Natural Landmark? ☐ Yes ☑ No
If Yes:
*i.* Nature of the natural landmark: ☐ Biological Community ☐ Geological Feature
*ii.* Provide brief description of landmark, including values behind designation and approximate size/extent: _____
_____
_____

d. Is the project site located in or does it adjoin a state listed Critical Environmental Area? ☐ Yes ☑ No
If Yes:
*i.* CEA name: _____
*ii.* Basis for designation: _____
*iii.* Designating agency and date: _____

e. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district which is listed on the National or State Register of Historic Places, or that has been determined by the Commissioner of the NYS Office of Parks, Recreation and Historic Preservation to be eligible for listing on the State Register of Historic Places? ☑ Yes ☐ No

If Yes:

*i.* Nature of historic/archaeological resource: ☐ Archaeological Site ☐ Historic Building or District

*ii.* Name: Mill Street - North Clover Street Historic District, Union Street Historic District, Vassar Institute, Mill - North Clover (Boundary Increase)

*iii.* Brief description of attributes on which listing is based:

Hillmann notes a SHPO determination dated November 17, 2020 concluded the proposed Project would have "No Adverse Effect". SHPO letter attached.

f. Is the project site, or any portion of it, located in or adjacent to an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory? ☑ Yes ☐ No

g. Have additional archaeological or historic site(s) or resources been identified on the project site? ☐ Yes ☑ No

If Yes:

*i.* Describe possible resource(s): _____

*ii.* Basis for identification: _____

h. Is the project site within fives miles of any officially designated and publicly accessible federal, state, or local scenic or aesthetic resource? ☑ Yes ☐ No

If Yes:

*i.* Identify resource: Wheaton Park

*ii.* Nature of, or basis for, designation (e.g., established highway overlook, state or local park, state historic trail or scenic byway, etc.): Local Park

*iii.* Distance between project and resource: 0.11 miles.

i. Is the project site located within a designated river corridor under the Wild, Scenic and Recreational Rivers Program 6 NYCRR 666? ☐ Yes ☑ No

If Yes:

*i.* Identify the name of the river and its designation: _____

*ii.* Is the activity consistent with development restrictions contained in 6NYCRR Part 666? ☐ Yes ☐ No

**F. Additional Information**

Attach any additional information which may be needed to clarify your project.

If you have identified any adverse impacts which could be associated with your proposal, please describe those impacts plus any measures which you propose to avoid or minimize them.

**G. Verification**

I certify that the information provided is true to the best of my knowledge.

Applicant/Sponsor Name Ken Spillberg Date 6/16/2021

Signature _____ Title Senior Vice President of Development

PRINT FORM




**Disclaimer:** The EAF Mapper is a screening tool intended to assist project sponsors and reviewing agencies in preparing an environmental assessment form (EAF). Not all questions asked in the EAF are answered by the EAF Mapper. Additional information on any EAF question can be obtained by consulting the EAF Workbooks. Although the EAF Mapper provides the most up-to-date digital data available to DEC, you may also need to contact local or other data sources in order to obtain data not provided by the Mapper. Digital data is not a substitute for agency determinations.




| | |
|---|---|
| B.i.i [Coastal or Waterfront Area] | Yes |
| B.i.ii [Local Waterfront Revitalization Area] | No |
| C.2.b. [Special Planning District] | Yes - Digital mapping data are not available for all Special Planning Districts. Refer to EAF Workbook. |
| C.2.b. [Special Planning District - Name] | Remediaton Sites:314071 |
| E.1.h [DEC Spills or Remediation Site - Potential Contamination History] | Yes - Digital mapping data for Spills Incidents are not available for this location. Refer to EAF Workbook. |
| E.1.h.i [DEC Spills or Remediation Site - Listed] | Yes |
| E.1.h.i [DEC Spills or Remediation Site - Environmental Site Remediation Database] | Yes |
| E.1.h.i [DEC Spills or Remediation Site - DEC ID Number] | 314071 |
| E.1.h.iii [Within 2,000' of DEC Remediation Site] | Yes |
| E.1.h.iii [Within 2,000' of DEC Remediation Site - DEC ID] | V00292, 314068, 314071, C314070, C314125, C314134, 314122, 546031 |
| E.2.g [Unique Geologic Features] | No |
| E.2.h.i [Surface Water Features] | No |
| E.2.h.ii [Surface Water Features] | No |
| E.2.h.iii [Surface Water Features] | No |
| E.2.h.v [Impaired Water Bodies] | No |
| E.2.i. [Floodway] | No |
| E.2.j. [100 Year Floodplain] | No |
| E.2.k. [500 Year Floodplain] | No |
| E.2.l. [Aquifers] | No |

| | |
|---|---|
| E.2.n. [Natural Communities] | No |
| E.2.o. [Endangered or Threatened Species] | Yes |
| E.2.o. [Endangered or Threatened Species - Name] | Atlantic Sturgeon, Shortnose Sturgeon |
| E.2.p. [Rare Plants or Animals] | No |
| E.3.a. [Agricultural District] | No |
| E.3.c. [National Natural Landmark] | No |
| E.3.d [Critical Environmental Area] | No |
| E.3.e. [National or State Register of Historic Places or State Eligible Sites] | Yes - Digital mapping data for archaeological site boundaries are not available. Refer to EAF Workbook. |
| E.3.e.ii [National or State Register of Historic Places or State Eligible Sites - Name] | Mill Street-North Clover Street Historic District, Union Street Historic District, Second Baptist Church, Vassar Home for Aged Men, Vassar Institute, Mill St.-North Clover St. Historic District (Boundary Increase) |
| E.3.f. [Archeological Sites] | Yes |
| E.3.i. [Designated River Corridor] | No |

NEW YORK STATE OF OPPORTUNITY. | Parks, Recreation, and Historic Preservation

**ANDREW M. CUOMO**
Governor

**ERIK KULLESEID**
Commissioner

November 17, 2020

Kenneth Spillberg
Senior VP Development - Omni New York LLC
909 Third Avenue
Floor 21
New York, NY 10022

Re: NYSHCR
Admiral Halsey Senior Village Phase II: New Construction
135 Main St, Poughkeepsie, NY 12601
20PR07157

Dear Mr. Spillberg:

Thank you for requesting the comments of the New York State Historic Preservation Office (SHPO). We have reviewed the provided documentation in accordance with Section 106 of the National Historic Preservation Act of 1966. These comments are those of the SHPO and relate only to Historic/Cultural resources. They do not include other environmental impacts to New York State Parkland that may be involved in or near your project. Such impacts must be considered as part of the environmental review of the project pursuant to the National Environmental Policy Act and/or the State Environmental Quality Review Act (New York Environmental Conservation Law Article 8).

The project area is located between the Mill Street-North Clover Street Historic District and the Union Street Historic District, both of which are listed in the State and National Registers of Historic Places. Our office has reviewed the proposed construction of a new 7-story residential building. Based upon our review, it is the SHPO's opinion that the project will have No Adverse Effect on historic or archaeological resources. If there are substantive changes to the project consultation with our office should resume.

If you have any questions, I can be reached by email.

Sincerely,

Derek Rohde
Historic Site Restoration Coordinator
e-mail: derek.rohde@parks.ny.gov

via e-mail only

HILLMANN
CONSULTING

# PHASE I ENVIRONMENTAL SITE ASSESSMENT




135 Main Street
Poughkeepsie, New York 12601

Prepared For:

OMNI New York, LLC
909 Third Avenue – 21st Floor
New York, New York 10022

October 27, 2020

Hillmann Project Number Z34631

**Your Property. Our Priority.**
*Making a better future for all the communities we touch.*
**www.HillmannConsulting.com**

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October 27, 2020

Mr. Paul Shevchuk
OMNI New York, LLC
909 Third Avenue – 21st Floor
New York, New York 10022

**RE: Phase I Environmental Site Assessment**
135 Main Street
Poughkeepsie, New York 12601
Hillmann Project No: Z34631

Dear Mr. Shevchuk:

Hillmann Consulting LLC is pleased to provide the results of our Phase I Environmental Site Assessment of the above referenced property. This assessment was performed in general accordance with the scope and limitations of ASTM Practice E 1527-13, which is the latest version of the E1527 standard published by the ASTM.

We appreciate the opportunity to provide environmental due diligence services. If you have any questions concerning this report, or if we can assist you in any other matter, please contact our office at 908-688-7800.

Sincerely,

Hillmann Consulting, LLC

Stephanie Lamb
Senior Project Manager

Chris Hirschmann
Environmental Services Director

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## List of Abbreviations/Acronyms

Hillmann may use the following abbreviations and acronyms for common terminology described in our report. Not all abbreviations or acronyms may be applicable to this report:

| | |
|---|---|
| ACM | – Asbestos Containing Material |
| AOC | – Area of Concern |
| AST | – Aboveground Storage Tank |
| ASTM | – American Society for Testing Materials |
| BER | – Business Environmental Risk |
| CEA | – Classification Exception Area |
| CERCLA | – Comprehensive Environmental Response Compensation and Liability Act |
| CERCLIS | – Comprehensive Environmental Response Compensation and Liability Information System |
| CESQG | – Conditionally Exempt Small Quantity Generator |
| COC | – Chemicals of Concern |
| CORRACTS | – Corrective Action Sites |
| CREC | – Controlled Recognized Environmental Condition |
| DNPL | – Delisted National Priority List |
| DTSC | – Department of Toxic Substances Control |
| ENG | – Engineering |
| ERNS | – Emergency Response Notification System |
| FDEP | – Florida Department of Environmental Protection |
| FDNY | – Fire Department, City of New York |
| FDOT | – Florida Department of Transportation |
| FOI/FOIA/FOIL | – Freedom of Information / Freedom of Information Act / Freedom of Information Letter |
| HVAC | – Heating Ventilation & Air Conditioning |
| HREC | – Historic Recognized Environmental Condition |
| IAQ | – Indoor Air Quality |
| ISRA | – Industrial Site Recovery Act |
| LBP | – Lead-Based Paint |
| LQG | – Large Quantity Generator |
| LTANK | – Leaking Storage Tank |
| LUST | – Leaking Underground Storage Tank |
| MassDEP | – Massachusetts Department of Environmental Protection |
| SDS/MSDS | – Safety Data Sheet / Material Safety Data Sheet |
| NA | – Not Applicable |
| NCDOH | – Nassau County Department of Health |
| NFA | – No Further Action |
| NFRAP | – No Further Remedial Actions Planned |
| NJDEP | – New Jersey Department of Environmental Protection |
| NPDES | – National Pollutant Discharge Elimination System |
| NPL | – National Priority List |
| NYCDEP | – New York City Department of Environmental Protection |
| NYCDOB | – New York City Department of Buildings |
| NYCOER | – New York City Office of Environmental Remediation |
| NYSDEC | – New York State Department of Environmental Conservation |
| OPRA | – Open Public Records Act |
| PADEP | – Pennsylvania Department of Environmental Protection |
| PAH | – Polycyclic Aromatic Hydrocarbon |
| PCE | – Perchloroethylene |
| RAO | – Response Action Outcome |
| RCRA | – Resource Conservation and Recovery Act |
| RCRIS | – Resource Conservation and Recovery Information System |
| REC | – Recognized Environmental Condition |
| RWQCB | – Regional Water Quality Control Board |
| SCAQMD | – South Coast Air Quality Management District |
| SCDHS | – Suffolk County Department of Health Services |
| SDG | – Significant Data Gap |
| SEMS | – Superfund Enterprise Management System |
| SRP | – Site Remediation Program |
| SQG | – Small Quantity Generator |
| SVOC | – Semi-Volatile Organic Compound |
| TCE | – Trichloroethylene |
| TSDF | – Treatment Storage and/or Disposal Facility |
| USEPA | – United States Environmental Protection Agency |
| UST | – Underground Storage Tank |
| VEC | – Vapor Encroachment Condition |
| VOC | – Volatile Organic Compound |

# 1.0 FINDINGS, OPINIONS, AND CONCLUSIONS

Hillmann Consulting, LLC (Hillmann) performed a Phase I Environmental Site Assessment (ESA) of 135 Main Street, Poughkeepsie, New York (the Property). The assessment has been conducted in accordance with our contracted scope of work and the ASTM Standard Practice E 1527-13 for Phase I Environmental Site Assessments and All Appropriate Inquiries (AAI) Final Rule 40 CFR Part 312. This section contains a summary of findings, opinions and conclusions made by this assessment. However, this section, alone, does not constitute the complete assessment. The report must be read in its entirety.

## 1.1 Summary of Project Details

| | | | | | |
|---|---|---|---|---|---|
| **Primary Street Address:** | | 135 Main Street | | | |
| **City:** | Poughkeepsie | **County:** | Dutchess | **State:** | New York |
| **Tax ID/Parcel Number:** | | Block 76, Lot 911 | | | |
| **Property Owner:** | | Admiral Halsey Apartments | | | |
| **Zoning Designation:** | | R6 (Residential) | | | |
| **Approx. Property Area:** | | 2.20 acres | | | |
| **Buildings/# of Floors** | | One building/13-story | | | |
| **Approx. Building Area:** | | 85,800 ft² | | | |
| **Approx. Year Built:** | | 1976 | | | |
| **Commercial Occupants:** | | None | | | |
| **Current Use:** | | Residential (Senior) | | | |
| **Prior Uses:** | | Commercial stores, Coal Manufactured Gas Plant | | | |
| **Inspected By:** | | Ms. Stephanie Lamb | | | |
| **Site Contact/Company:** | | Ms. Lori Ferguson/ Reliant Realty | | | |
| **Site Escort/Company:** | | Mr. Chris Green/ Reliant Realty | | | |
| **Inspection Date:** | | October 20, 2020 | | | |
| **Weather Conditions:** | | Overcast, 60 degrees F | | | |

## 1.2 Findings Summary Table

| Assessment Subject | No REC | REC | CREC | HREC | Rpt. Ref. |
|---|---|---|---|---|---|
| **Property Regulatory Records Review:** | X | | | | 4.3 |
| **Property Historical Records Review:** | X | | | | 4.2 |
| **Bulk Petroleum Storage:** | X | | | | 5.3 |
| **On-Site Operations:** | X | | | | 5.3 |
| **On-Site Haz-Mat Storage/Use/Spills:** | X | | | | 5.3 |
| **Transformers/Hydraulic Systems:** | X | | | | 5.3 |
| **Waste Discharges:** | X | | | | 5.3 |
| **Interviews:** | X | | | | 6.0 |
| **Adjoining & Nearby Properties:** | X | | | | 4.3<br>5.2 |
| **Prior Env. Reports/User Provided Info:** | | X | | | 3.0 |
| **Data Gaps:** | X | | | | 2.3 |

## 1.3 Findings, Opinions and Conclusions

### 1.3.1 Recognized Environmental Conditions

Hillmann has performed a Phase I Environmental Site Assessment in accordance with the scope and limitations of ASTM Practice E 1527-13 of the Property as described in Section 2 of this report. Any additions to, exceptions to, or deletions from this practice are also described in Section 2 of this report. This assessment has revealed no evidence of *recognized environmental conditions* in connection with the Property, except for the following:

| RECOGNIZED ENVIRONMENTAL CONDITIONS | |
|---|---|
| REC #1 | Subsurface testing conducted at the Property in 2007 and 2019 identified metals and SVOCs in soils and groundwater at concentrations exceeding regulatory cleanup standards. The identified contaminants were attributed to historical urban fill. Groundwater results in one location indicated VOC and PAH compounds exceeding the NYSDEC regulatory cleanup standards. These compounds are indicative of possible petroleum contamination due to recorded PID readings and staining observed in the corresponding soil boring. Due to the findings of the subsurface testing, the Property voluntarily procured a Soil and Groundwater Contamination Health and Safety Plan (EHI, 2007) that prescribed operational procedures for site personnel to follow during activities that disturb soil or groundwater. Since the identified urban fill and VOC contaminants in soil and groundwater are being managed in place under the Soil and Groundwater Contamination Health and Safety Plan the metals and SVOCs in soil and VOCs in groundwater are considered to be a REC in connection with the Property. |
| **HISTORICAL RECOGNIZED ENVIRONMENTAL CONDITIONS** | |
| | No HRECs were identified |
| **CONTROLLED RECOGNIZED ENVIRONMENTAL CONDITIONS** | |
| | No CRECs were identified |

| SIGNIFICANT DATA GAPS | |
|---|---|
| | No SDGs were identified. |

### 1.3.2 REC Response Action Recommendations

The following table presents recommended response actions to the identified RECs for further investigation and/or corrective action:

| REC RESPONSE ACTION SUMMARY TABLE | |
|---|---|
| **REC** | **Response Action** |
| REC #1 | Given the presence of metals, PAHs, and VOCs in soil and groundwater, and the current plans for new construction at the site, the site specific management plan for handling site soils and groundwater should be updated and followed during planned construction activities. |

### 1.3.3 Notable Environmental Conditions / De Minimis Conditions

The following environmental conditions were identified, but are not considered to be a REC in connection with the Property:

| NOTABLE ENVIRONMENTAL CONDITIONS / DE MINIMIS CONDITIONS | |
|---|---|
| 1. | The central and northern portions of the property were occupied by portions of a manufactured gas plant, currently known as the CH – Bayeaux Street Poughkeepsie MGP, from approximately the mid-19th to early-20th century. As further described in Section 4.3.1, the former MGP site is listed on the database of New York State Superfund sites and has undergone previous subsurface investigations with NYSDEC oversight due to the potential for subsurface impacts from the historical gas manufacturing operations. According to the NYSDEC published information, following the completions of site investigation work in 1990 and 2006, no significant MGP waste material was found and a NFA status was granted by NYSDEC on March 12, 2007. |
| 2. | A gasoline UST associated with a former dairy operation was depicted at the northeast portion of the Property by a 1952 fire insurance map. The entire property was redeveloped into the current senior housing complex in the mid-1970s. While disposition of the historical gasoline UST has not been determined, subsurface testing at the Property did not identify evidence of a petroleum release from the former gasoline UST. |
| 3. | A 10,000-gallon above ground storage tank (AST) was observed in the rear of the building, central portion of the Property. The tank is enclosed with a brick structure and accessed via permanent step ladder fixed to the concrete enclosure. No evidence of leakage was observed at the time of the inspection. |
| 4. | A 10,000-gallon #2 heating oil UST was closed in place in 1997. The UST closure was documented by a 1997 tank closure report by Conrad Geoscience, which concluded that all soil testing results were below NYSDEC standards. |
| 5. | One 55-gallon drum of floor cleaner was observed in the maintenance storage room. No signs of leaking or staining were observed in the area of the drum. |
| 6. | One hydraulic trash compactor was observed in the compactor room. No signs of leaking or staining were observed in the area of the compactor motor. |

### 1.3.4 Environmental Professional Statement

I declare that, to the best of my professional knowledge and belief, I meet the definition of *Environmental Professional* as defined in §312.10 of 40 CFR 312. I have the specific qualifications based on education, training and experience to assess a *property* of the nature, history and setting of the subject *property*. I have developed and performed all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Stephanie Lamb
Environmental Professional

## 1.4 Business Environmental Risks / Non-ASTM Scope

Hillmann has performed a limited review of the following potential Business Environmental Risks (BER), also known as "Non-ASTM Scope concerns", in accordance with the contracted scope of work scope for this assessment. The following is a summary of findings for applicable BERs. For a more detailed discussion of the findings and contracted scope of work, please see the referenced report section.

| BUSINESS ENVIRONMENTAL RISKS / NON-ASTM SCOPE | | | |
|---|---|---|---|
| **Subject** | **Findings** | **Not Appl.** | **Rpt. Ref.** |
| **Asbestos** | Based on the building age, asbestos may be present. Suspect ACM noted within the building included sheet rock wall materials in good condition, vinyl floor tiles and mastic in locally damaged condition, and glued on ceiling tiles in damaged condition. Although not observed, roofing materials are also assumed ACM. | | 7.1 |
| **Lead Paint** | Painted surfaces observed within the accessed areas of the residential building were noted to be in good condition. Hillmann was provided with a copy of a prior lead paint screening report titled Lead Paint Screening; by Environmental Health Investigations, dated October 9, 2007. Based on the results of the screening, no tested paint surfaces were found to contain lead paint. | | 7.2 |
| **Radon** | Property is located in the USEPA radon designation Zone 1 or 'high risk' area for radon. Hillmann was provided with a copy of a prior radon testing report titled Radon Testing; by Environmental Health Investigations, dated September 8, 2008. All sample results were below the EPA Action Level of 4.0 pCi/L. | | 7.3 |
| **Mold / Microbial Damage** | Hillmann did not observe any evidence of significant problems with moisture intrusion or mold/microbial growth at the Property. | | 7.4 |
| **NWI Wetlands** | No mapped wetland areas were depicted at the Property. | | 4.1 |
| **Lead in Drinking Water** | Potable water service at the Property is provided by a utility connection with the New York City Water Supply System. A recently published water quality report from the utility indicated compliance with USEPA water quality standards for lead in drinking water. | | 7.6 |

# 2.0 INTRODUCTION

## 2.1 Purpose and Scope

This assessment was conducted utilizing generally accepted Phase I ESA industry standards in accordance with the ASTM Standard Practice E 1527-13. The ASTM describes these methodologies as representing good commercial and customary practice in the United States of America for conducting an environmental site assessment of a parcel of commercial real estate with respect to the range of contaminants within the scope of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) and petroleum products. As such, this practice is intended to permit a user to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner or bona fide prospective purchaser limitations on CERCLA liability (hereinafter, the "landowner liability protections," or "LLPs"): that is, the practice that constitutes all appropriate inquiries into the previous ownership and uses the property consistent with good commercial and customary practice as defined at 42 U.S.C. §9601(35) (B). The primary goal of the processes established by ASTM E1527-13 is to identify *recognized environmental conditions* in connection with the Property.

The term *recognized environmental condition (REC)* is defined by the ASTM as the presence or likely presence of any hazardous substances or petroleum products in, on or at a property: (1) due to a release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment.

The ASTM has also defined the terms *historical recognized environmental conditions* and *controlled recognized environmental conditions* as two additional types of RECs. The term *historical recognized environmental condition (HREC)* is defined as a past release of any hazardous substances or petroleum products that has occurred in connection with the Property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the Property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls or engineering controls).

The term *controlled recognized environmental condition (CREC)* is defined as a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls.

Conditions determined to be *"de minimis conditions"* are not considered to be RECs, HRECs or CRECs. *De minimis condition* is defined by the ASTM, "…as a condition that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies."

The chief components of this assessment are generally described as follows:

- A non-invasive visual reconnaissance of the Property and adjoining properties in accordance with ASTM guidelines for evidence of RECs.

- Interviews of past and present owners and occupants and state and local government officials, seeking information related to the potential presence of RECs at the Property.

- A review of standard physical record sources for available topographic, geologic and groundwater data.

- A review of standard historic record sources, such as fire insurance maps, city directories, aerial photographs, prior reports and interviews, etc., to determine prior uses of the Property from the present, back to the Property's first developed use, or back to 1940, whichever is earlier.

- A review of standard environmental record sources including federal and state environmental databases, and additional environmental record sources, to identify potential regulatory concerns with the Property, adjoining properties and properties located within the surrounding area.

An evaluation of environmental or other regulatory compliance matters is excluded from the scope of this assessment.

These methodologies are described as representing good commercial and customary practice for conducting an Environmental Site Assessment of a property for the purpose of identifying recognized environmental conditions.

### 2.1.1 Business Environmental Risks/Non-ASTM Scope Considerations

In accordance with our contract agreement, Hillmann may have addressed the following potential environmental subject matters that are outside of the requirements of the ASTM E1527-13 standard:

Asbestos-Containing Materials (ACM): A cursory non-intrusive visual screening for the presence of suspect ACM within the accessed areas of buildings built prior to 1990 on the Property. It is emphasized that this cursory non-intrusive visual screening does not constitute an asbestos survey/inspection of the premises. An asbestos survey/inspection should be sought by the report User(s) if more certainty is desired regarding ACM and potential asbestos hazards at the Property. Furthermore, a review of regulatory compliance matters pertaining to asbestos is excluded from the scope of work.

Lead-Based Paint (LBP): A cursory non-intrusive visual screening of the condition of painted surfaces in the accessed areas of residential buildings/units built prior to 1980 on the Property. It is emphasized that this cursory non-intrusive visual screening does not constitute a comprehensive survey for LBP or potential lead hazards. A comprehensive inspection should be sought by the report User(s) if more certainty is desired regarding LBP at the Property. Furthermore, a review of regulatory compliance matters pertaining to lead-based paint is excluded from the scope of work.

USEPA Designated Radon Potential: Review of general non-site specific data published by the USEPA regarding the Radon Zone classification for the area of the Property.

Mold/Microbial Damage: A cursory non-intrusive visual screening within the accessed areas of buildings on the Property for evidence of systemic microbial problems, including visible mold growth, water damaged building materials or musty odors. It is emphasized that this cursory non-

intrusive visual screening does not constitute a comprehensive survey for moisture/mold/microbial damage. A more comprehensive inspection should be sought by the report User(s) if more certainty is desired regarding the potential for moisture/mold/microbial damages at the Property.

NWI Wetlands: Review of US Fish and Wildlife Service National Wetland Inventory digitized data of mapped wetlands as presented in the attached EDR Radius Map plus Geocheck Report.

It is emphasized that, regardless of the wetlands data obtained via the EDR Geocheck-Physical Setting Source Addendum, a delineation of regulated wetlands by a qualified professional would be warranted to determine the presence or absence of regulated wetlands at the Property.

Lead in Drinking Water: Review of the potential for elevated levels of lead in the drinking water by determining the source of the drinking water supply and a review of available testing or compliance data reports.

## 2.2 Property Location/Legal Description

Property location and legal description details are described as follows:

| | | | | | |
|---|---|---|---|---|---|
| **Primary Street Address:** | 135 Main Street | | | | |
| **City:** | Poughkeepsie | **County:** | Dutchess | **State:** | New York |
| **Tax ID/Parcel Number:** | Block 76, Lot 911 | | | | |
| **Approx. Land Area:** | 2.20 acres | | | | |
| **Apprx. Latitude/Longitude:** | North 41.7058760 degrees/West 73.9334410 degrees | | | | |
| **Additional Details (if appl.):** | Historic Address Ranges of 5-27 N. Perry St (Bayeaux Street) and 127-149 Main Street | | | | |
| **Property Owner:** | Admiral Halsey Apartments | | | | |
| **Zoning Designation:** | R6 (Residential) | | | | |

## 2.3 Data Gaps

A *data gap* is defined by the ASTM as a lack of or inability to obtain information required by this practice despite good faith efforts by the environmental professional to gather such information. A data gap is only significant if other information and/or professional experience raises reasonable concerns involving the data gap and the ability to determine the presence or absence of recognized environmental conditions. The following table summarizes data gaps encountered during the assessment as well as a discussion of their significance.

| Data Gap: | Significant (Yes/No)? | Discussion |
|---|---|---|
| Historical records data failure | No | The date and/or type of the first developed use of the Property was not documented.<br><br>Records gaps exceeding five years were encountered; however, no significant site use changes are suspected during these intervals. |

| | | |
|---|---|---|
| Response to agency records requests not received as of date of report. | No | Any additional information indicative of a REC will be forwarded upon receipt. |

## 2.4 User Reliance

This report is for the exclusive use of the User(s) named on the front cover. No other party(ies) shall have any right to rely on the content of this report without first obtaining the consent of the original report User; and without obtaining written consent from Hillmann in the form of a letter of reliance or report recertification.

## 2.5 Significant Assumptions

The following significant assumptions are made:

- The site operations at the time of the site visit are assumed to reflect typical site conditions relative to potential environmental conditions and that no concealment of environmental conditions or releases by site owners or occupants has occurred. Likewise, it is assumed that no areas of the Property with potential environmental concerns or RECs were concealed or otherwise not reported, intentionally or unknowingly, by the Property owners/occupants and/or site escort at the time of the site visit.

- For the purpose of estimating the approximate direction of groundwater flow in the absence of site specific groundwater data, unless indicated otherwise, an assumption has been made that the gradient of groundwater flow follows the surface topography of the Property and immediate surrounding area.

## 2.6 General Limitations and Exceptions

### 2.6.1 Limitations

The report turnaround time specified by the contract agreement for this assessment may present a limitation to the availability of pertinent regulatory agency records. Such limitations, if encountered, are further specified in Section 4.4.

Significant limitations related to the condition or accessibility of the Property at the time of the site reconnaissance, if encountered, are reported in Section 5.1.

### 2.6.2 Other Exceptions or Deletions

No other exceptions or deletions from the ASTM Standard E 1527-13 are reported.

### 2.6.3 Special Terms and Conditions

This Phase I Environmental Site Assessment has been prepared using reasonable efforts in each phase of its work to identify recognized environmental conditions associated with hazardous substances, wastes and petroleum products at the Property. Findings within this report are based on information collected from observations made on the day of the site reconnaissance and from reasonably ascertainable information obtained from governing public agencies and private sources.

This report is not definitive and should not be assumed to be a complete or specific definition of the conditions above or below grade. Information in this report is not intended to be used as a construction document and should not be used for demolition, renovation, site development, redevelopment, or other construction purposes. No representation or warranty is made that the past or current operations at the Property are, or have been, in compliance with all applicable federal, state and local laws, regulations and codes.

Findings, conclusions and recommendations presented in this report are based on visual observations of the Property, interviews conducted, the records reviewed, information provided by the Client, and/or a review of readily available and supplied drawings and documents. Information obtained during the assessment, whether written, graphic or verbal, provided by the Property contact(s) or as shown on any documents reviewed or received from the Property contact, owner or agent, or government agency source; is assumed to be accurate except as specifically stated otherwise in this report. Independent verification of the accuracy or completeness of all information reviewed or received during the course of this assessment is not made and excluded from the scope of work for this assessment. No warranty or guarantee is made of the accuracy or completeness of information that was obtained from ostensibly knowledgeable individuals, regulatory agency representatives or other secondary sources.

Regardless of the findings stated in this report, Hillmann is not responsible for consequences or conditions arising from facts that were concealed, withheld or not fully disclosed at the time the assessment was conducted.

This report does not warrant against future operations or conditions, nor does it warrant against operations or conditions present of a type or at a location not investigated.

The regulatory database report provided is based on an evaluation of the data collected and compiled by a contracted data research company. The regulatory research is designed to meet the requirements of ASTM Standard E 1527-13. Hillmann can neither warrant nor guarantee the accuracy or completeness of the information obtained from the regulatory database report provider during the course of this assessment.

Subsurface conditions may differ from the conditions implied by the surface observations and can only be reliably evaluated through intrusive techniques.

Reasonable efforts have been made during this assessment to identify aboveground and underground storage tanks and ancillary equipment. Reasonable efforts are limited to information gained from visual observation of largely unobstructed areas, recorded database information held in public record and available information gathered from interviews. Such methods may not identify surficial and subsurface features that may have been hidden from view due to parked automobiles

and other vehicles, snow cover, vegetative growth, pavement, construction or debris pile storage or incorrect information from sources.

No guarantee, explicit or implied, is made that the records pertaining to historical ownership or occupancy which were reviewed represent a comprehensive or precise delineation of past Property ownership or tenancy for legal purposes.

The ASTM E1527-13 standard states that recommendations are not required to be included in a Phase I ESA report; however, further that recommendations are an additional service that may be useful in the User's analysis of landowner liability protections or business environmental risks; and that the User should consider whether recommendations for additional inquiries or other services are desired.

The recommended response actions to the identified RECs presented in Section 1.3, if any, are not intended to represent the only course(s) of action to take; nor does it imply any opinion as to the timing of the action. Furthermore, it is emphasized that additional response actions may become warranted depending on the outcome of the initial action(s) taken. Hillmann advises that consultation with legal counsel familiar with environmental and real estate law may be beneficial to the decision making process for the type and timing of a response action to identified RECs, if any.

Due to the limited nature of our review of potential Business Environmental Risks, the User of the report should consider whether to take additional action(s) to further define, properly manage and/or mitigate potential BERs.

In the event of any conflict between the terms and conditions of this report and the terms and conditions of the consulting services agreement for this project, the consulting services agreement shall control.

# 3.0 USER PROVIDED INFORMATION

The term "User" is defined by ASTM as the party seeking to use Practice E1527 to complete an environmental site assessment of the Property; specifically, the entities named on the front cover to which the report has been addressed.

## 3.1 Prior Environmental Reports/Documentation

The following prior environmental reports/documentation was provided:

Phase I Environmental Site Assessment, 135 Main Street, Poughkeepsie, NY 12601; prepared by Hillmann Consulting, LLC and dated April 8, 2019. The report stated the following:

> *"Subsurface testing conducted at the Property in 2007 and 2019 identified metals and SVOCs in soils and groundwater at concentrations exceeding regulatory cleanup standards. The identified contaminants were attributed to historical urban fill. Groundwater results in one location indicated VOC and PAH exceeding the regulatory cleanup standards. These compounds are indicative of a possible petroleum contamination due to recorded PID readings and staining observed in the corresponding soil boring. Due to the findings of the subsurface testing, the Property voluntarily procured a Soil and Groundwater Contamination Health and Safety Plan (EHI, 2007) that prescribed operational procedures for site personnel to follow during activities that disturb soil or groundwater. Since the identified urban fill and VOC contaminants in soil and groundwater are being managed in place under the Soil and Groundwater Contamination Health and Safety Plan, the metals, SVOCs, in soil and VOCs in groundwater are considered to be a REC in connection with the Property."*

Phase II Subsurface Investigation Report, 135 Main Street, Poughkeepsie, NY; prepared by Hillmann Consulting, LLC and dated April 8, 2019. The report stated the following:

> *"Laboratory results indicated various exceedances of the Unrestricted Use Soil Cleanup Level but not the Restricted-Residential Soil Cleanup Level. The various detections are suspected as attributed to the historic fill material located on the Property. Arsenic that was the only compound in soil detected above the RRUSCO in several soil samples. The Arsenic detections are suspected as attributed to historic property use as a manufactured gas plant or historic fill material.*
>
> *During site redevelopment activities, all soil slated for removal off-site should be disposed of in accordance with federal, state and local regulations.*
>
> *The metals exceedances detected in groundwater are suspected as attributed to turbidity/particulates suspended in groundwater associated with temporary well point installation and not dissolved groundwater contamination. Several of the detected metals including Sodium, Selenium, Magnesium, Beryllium, Silver, and Nickel, are typically naturally occurring/background conditions.*
>
> *Groundwater results from sample TWP-1 indicated VOC and PAH compounds in exceedance of the GQS. These compounds are indicative of possible petroleum contamination due to recorded PID readings and staining observed in the corresponding soil boring.*
>
> *During site redevelopment activities, groundwater dewatering, if needed, should be performed in accordance with all federal, state and local regulations."*

Tank Closure Site Assessment Report; Admiral Halsey Village, 135 Main St., Poughkeepsie, New York; prepared by Conrad GeoScience Corp; dated November 18, 1997. The report documented

tank closure activities for a former 10,000-gallon heating oil UST located in the courtyard behind the apartment building. Initially planned for closure by removal, the report stated that the tank was abandoned in place on October 17, 1997 due to the proximity of a natural gas utility pipe and difficulties removing an UST anchor point. Three soil samples were collected from the bottom of the tank excavation and submitted for VOC and SVOC analysis. No VOCs were detected in any of the samples collected. Seven SVOCs were detected at concentrations well below NYSDEC standards. The report concluded:

> *"Considering the integrity of the UST upon cleaning and attempted excavation, along with the lack of petroleum contaminated soils, there is no evidence of prior leakage or spillage from this tank. In addition, SVOCs detected are well below NYSDEC standards and, therefore, no remedial activity is required. The SVOCs present may represent residual coal tar. No information pertaining to groundwater quality, and the presence of these compounds in groundwater is available at this time."*

Phase I Environmental Site Assessment – Update, 135 Main Street, Poughkeepsie, New York 12601; prepared by Hillmann Consulting on behalf of Admiral Halsey, L.P., c/o Omni New York, LLC, August 28, 2007. The report concluded the following with regard to recognized environmental conditions (RECs) in connection with the Property:

> *"This update assessment has revealed no evidence of recognized environmental conditions (RECs) in connection with the Property, except for the following:*
>
> *• A Limited Phase II Investigation report was prepared by Hillmann in March 2007 to evaluate two recognized environmental condition that were identified by Hillmann's prior Phase I ESA report. The RECs included a potential impact to the environment from a former coal gasification plant; and a historic underground storage tank (UST) that was identified by review of Sanborn Fire Insurance Maps of the Property. The investigation included the use of a GPR survey to identify any underground structures, utilities, or obstructions, and the collection and analysis of soil and groundwater samples. The results of the investigation identified the presence of residual contamination which could be attributed to the past manufactured gas plant usage. The Limited Phase II Investigation identified elevated levels of metals and PAHs in soils throughout the property. Hillmann understands that Omni has obtained a "Property Use and Work Plan" to protect against possible contamination exposure. This document provides insight on which procedures to follow during excavation activities. In addition, this document is site specific and will only pertain to the subject property. Hillmann has contacted the NYSDEC directly, and was informed that there is no requirement to report a spill to the NYSDEC. Therefore Hillmann does not recommend reporting the results to the NYSDEC. Hillmann notes that a Soil and Groundwater Contamination Health and Safety Plan was developed for the Property on behalf of Admiral Halsey LP, dated July 11, 2007."*

The August 28, 2007 Hillman Phase I ESA report also included a summary of a NYSDEC file review of the former Bayeaux Street Coal Gasification Plant. Documentation consisted of a series of reports concerning historic coal gasification plants located the City of Poughkeepsie. Much of the documentation pertained to a different historic coal gas plant located several blocks to the west of the Property along the Hudson River Waterfront. A Phase I investigation report of the Bayeaux Street Coal Gas Plant site was also included, as summarized below by the 2007 Phase I ESA:

> *Phase I Investigation Poughkeepsie (Bayeaux Street) Coal Gasification Plant Site, City of Poughkeepsie, Dutchess County, New York; prepared by EA Science and Technology of Middletown, New York; on behalf of Central Hudson Gas & electric Corporation, January 1987:*

*The report indicated that a historic coal gas plant that formerly occupied the Property operated from approximately 1850 to 1911, at which time it was replaced by a Water Street plant located several blocks to the west. The report concluded the following:*

*"The available data are considered insufficient to prepare a final HRS (Hazard Ranking System) score for this site. There is no documentation of hazardous waste or contamination at the former Poughkeepsie Bayeaux Street Coal Gas Plant site. Groundwater soil quality data lacking."*

*"In order to prepare a final HRS score for this site, analytical data regarding the quality of the ground-water and soil, and characteristics of waste (if present), will be necessary, thus requiring performance of a Phase II investigation. The proposed Phase II study would include the performance of a soil vapor survey, the installation of 4 observation wells and the collection and analysis of ground-water and soil samples."*

Limited Phase II Investigation, Admiral Halsey, 135 Main Street, Poughkeepsie, New York 12601; prepared by Hillmann Environmental Group LLC on behalf of Admiral Halsey, L.P., c/o Omni New York, LLC, May 2007.

The purpose of the Limited Phase II Investigation was to evaluate two RECs that were identified by a 2007 Phase I ESA report. The RECs included a potential impact to the environment from a former coal gasification plant; and a historic underground storage tank (UST) that was identified by review of Sanborn Fire Insurance Maps of the Property. The investigation included the use of a GPR survey to identify any underground structures, utilities, or obstructions, and the collection and analysis of soil samples. These samples were collected from boring locations in the asphalt parking lot, around the old UST and in the area of the historic coal gasification plant. A total of fourteen (14) soil and three (3) groundwater samples were collected and analyzed for parameters including volatile organic compounds (VOC), base neutrals and acid extractable (BNA), and Priority Pollutant List Metals.

The following is a summary of the conclusions of the Limited Phase II Investigation:

*"Hillmann has completed a Limited Phase II Investigation at 135 Main Street to assess the impact of former coal gasification plant and UST located on site. The completed scope of work included a GPR survey, the advancement of subsurface borings utilizing a Geoprobe and hand auguring. The following has been concluded from this investigation.*

1. *The results of the investigation have identified the presence of contamination which could be attributed to past site usage. The environmental concerns identified through laboratory and field observations are the presence of metals and Polynuclear Aromatic Hydrocarbons (PAHs) present in the soil and groundwater.*
2. *It appears that the contamination identified is the result of former coal gasification processes conducted on site.*
3. *Elevated levels of metals and PAHs are wide spread throughout the property. Minimal risk of exposure is expected in the areas of the parking lot and/or lawn area. Any excavation or prolonged contact with the subsurface soils may potentially cause exposure to the subsurface contaminants.*
4. *Due to the wide spread presence of elevated metals and PAHs around the property, Hillmann has determined that the contamination encountered is not from the UST, but as a result of the historic coal gasification plant. It is determined that the UST did not impact the surrounding environment.*
5. *Omni has decided to develop a raised garden bed system. This decision will protect the current residence using the garden area. A brief description of the garden area is described in the below section.*

6. *Additionally, Omni is in the process of obtaining a "Property Use and Work Plan" to protect against possible contamination exposure. This document will provide insight on which procedures to follow during excavation activities. This document will be site specific and will only pertain to the subject property. A copy of the work plan will be located at the facility."*

Vapor Intrusion Investigation, Admiral William F. Halsey Senior Village, 135 Main Street, Poughkeepsie, NY; prepared by Hillmann Environmental Group LLC on behalf of Admiral Halsey, L.P., c/o Omni New York, LLC, July 13, 2007.

The scope of work consisted of one round of sampling for VOCs by TO-15 Method. Samples were collected from the Sub-Basement, Maintenance Room, Community Room, on the 1st Floor Adjacent the Elevator, and on the 6th Floor Adjacent the Elevator. Also, one outdoor reference sample was collected. The conclusions and recommendations stated the following:

*4.1 Conclusions*
*Based on Hillmann's review, indoor air quality is not anticipated to cause occupant illness or require immediate remediation. Based on the data that we have at this time, Hillmann has found no evidence that an increase health risk exists from the previous Manufactured Gas Plant (MGP). Although the NYSDOH or Hillmann recognize the upper range of the comparative data as a valid reference, it should be noted that very few samples would exceed this level present in some non-impacted homes. Furthermore, it should be noted that samples were collected from areas susceptible to organic vapors from maintenance products and processes.*

*4.2 Recommendations*
*Based on Hillmann's review of indoor sample results, indoor air quality is not anticipated to cause occupant illness or require immediate remediation. In order to conduct a comprehensive vapor intrusion assessment NYSDOH Guidelines recommend that sub-slab soil vapor samples be collected. Sub-slab samples are an important component used to compare with indoor and outdoor samples in order to evaluate current and potential human exposures (e.g. if the building's structural integrity or use changes) and determine the site-specific attenuation factors, which compares the ratio of indoor air to sub-slab vapor concentrations. Furthermore, it may be prudent for follow-up sampling to be conducted on a periodic basis (such as annual or bi-annual) to ensure these conditions do not change over time. If significant changes occur at the building (increase or decrease HVAC, digging, vibration, etc) the potential for vapor intrusion may increase."*

Soil & Groundwater Contamination Health & Safety Plan, Admiral William F. Halsey Senior Village, 135 Main Street, Poughkeepsie, NY; prepared for Admiral Halsey L.P by Environmental Health Investigations, Inc.; dated July 11, 2007. The report established policy for managing potential exposures to chemicals which exist in low concentrations within the soil and ground water associated with the Admiral William F. Halsey Senior Village property located at 135 Main Street in Poughkeepsie, New York.

Supplemental Investigation of Poughkeepsie Bayeaux Street Site; prepared by Central Hudson & Electric Corporation, July 2006. This report detailed a supplemental investigation conducted following results finding from an August 1990 investigation and well installation. The 2006 investigation consisted of the installation of five soil borings in and around the former MGP structure at the site. Soil and monitoring well borings from 1990 consisted of fill material at various depths ranging from ground surface to approximately 8 feet below ground surface in most areas investigated. The four monitoring wells were installed at the Property to assess water quality in 1990. Based on the results from a 1990 Phase II investigation and 2006 supplemental investigation,

conclusions, Central Hudson requested that the NYSDEC delist the former Bayeaux Street site from the Inactive Hazardous Waste Disposal Site Program Registry and abandon all monitoring wells.

## 3.2 User Questionnaire

Section 6 of the ASTM E1527-13 standard describes certain tasks required to be performed by the report User in order to qualify for landowner liability protections to CERCLA liability. To assist the report User to meet these requirements, the ASTM E1527-13 standard recommends a questionnaire of inquiries (User Questionnaire) specified in 40 CFR 312.25, 312.28, 312.29, 312.30, and 312.31 be provided to the original report User. Hillmann has been informed by the User that, as a prospective lender, they have declined to complete the User Questionnaire.

| Question: | Yes/No: | Detail: |
|---|---|---|
| **Environmental liens that are filed or recorded against the property:** Did a search of recorded land title records identify any environmental liens filed or recorded against the property under federal, tribal, state or local law? | NR | |
| **Activity and use limitations that are in place on the property or that have been filed or recorded against the property:** Did a search of recorded land title records (or judicial records where appropriate, identify any AULs, such as engineering controls, land use restrictions or institutional controls that are in place at the property and/or have been filed or recorded against the property under federal, tribal, state or local law? | NR | |
| **Specialized knowledge or experience of the person seeking to qualify for the LLP:** Do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business? | NR | |
| **Relationship of the purchase price to the fair market value of the property if it were not contaminated:** Does the purchase price being paid for this property reasonably reflect the fair market value of the property? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property? | NR | |
| **Commonly Known or Reasonably Ascertainable Information:** Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example, | | |
| -Do you know the past uses of the property? | NR | |
| -Do you know of specific chemicals that are present or were once present at the property? | NR | |

| Question: | Yes/No: | Detail: |
|---|---|---|
| -Do you know of spills or other chemical releases that have taken place at the property? | NR | |
| -Do you know of any environmental cleanups that have taken place at the property? | NR | |
| **The degree of obviousness of the presence or likely presence of contamination at the property, and the ability to detect the contamination by appropriate investigation:** Based on your knowledge and experience related to the property are there any obvious indicators that point to the presence or likely presence of releases at the property? | NR | |
| **Litigation/Administrative Proceedings/Government Notices** As the User of this ESA, do you have knowledge of (1) any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the property; (2) any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on or from the property; and (3) any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products. | NR | |

*NR-no response*

## 3.3 Reason for Performing Phase I ESA

The User did not indicate the purpose of the assessment. In accordance with ASTM E1527-13, it is assumed that the Phase I ESA was being performed in order to qualify for landowner liability protection to CERCLA liability.

# 4.0 RECORDS REVIEW

## 4.1 Physical Setting Sources

The following physical setting sources were reviewed:

| Source | Discussion |
|---|---|
| USGS 7.5 minute Topographic Map Data: (EDR Geocheck-Physical Setting Source Addendum) | The Property lies at an elevation of approximately 112 feet above mean sea level. An interpretation of topographic contour lines as well as a review of the EDR Geocheck-General Topographic Gradient suggested terrain sloping downward towards the west. The closest down gradient water body is the Hudson River, located approximately 1,900 feet to the West. |
| USDA SCS Soil Data: (EDR Geocheck-Physical Setting Source Addendum) | The soil type at the Property is classified as "Udorthents". This soil type is described as a gravelly loam surface texture and is well drained with an intermediate water holding capacity |
| Geologic Data: (EDR Geocheck-Physical Setting Source Addendum) | The geologic formation in the vicinity of the Property is described as a stratified sequence of the Paleozoic Era, Ordovician System, and Middle Ordovician Series. |
| Prior Env. Reports: (Section 3.1) | No additional relevant site specific geologic data was noted from a review of the prior environmental reports listed in Section 3.1. |
| Additional Sources/ Data: | No additional physical setting sources or data was obtained. |
| Groundwater Flow Discussion: | Based on a review of the above information as well as observation of the site, the direction of shallow groundwater flow at the site is inferred to be towards the west. |
| NWI Wetlands Data: (EDR Geocheck-Physical Setting Source Addendum) | No NWI mapped wetlands areas were depicted at the Property. |

## 4.2 Historical Use – Property and Adjoining Properties

Research has been conducted in an attempt to develop a history of the previous uses of the property and surrounding area, in order to help identify the likelihood of past uses having led to RECs in connection with the property. Standard historical sources have been sought in an attempt to document the past uses of the Property as far back as it can be shown that the Property contained structures; or from the time the Property was first used for residential, agricultural, commercial, industrial or governmental purposes.

### 4.2.1 Fire Insurance Maps

A Certified Sanborn Map Report was obtained from EDR for a review of published historic fire insurance maps for the Property and surrounding area. The following is a summary of site uses and notable details depicted by the available maps:

| Year(s) | Description | |
|---|---|---|
| 1887 | **Property** | The Property is developed along Main Street in the southern portion and southwest along Bayeaux Street with various commercial stores and businesses. The central of the property is developed with pottery maker including a coal shed. The northern portion of the property is a developed with portions of the Poughkeepsie Gas Light company, a manufactured gas plant. An iron gas holder is depicted at the northeast corner of the site. |

| Year(s) | Description | |
|---|---|---|
| | **Adjoining Properties** | The adjoining properties are depicted with a school house to the north; developed residential dwellings and vacant building to the west; developed commercial businesses to the south including drugstore, grocery, butcher, carpeting and wall paper shop, and laundry facility; developed commercial businesses to the southeast, and portions of the Poughkeepsie Gas Light Company to the northeast. |
| 1895 | **Property** | The Property is depicted as developed with commercials business to the south along Main Street and southwestern portion along Bayeaux Street, in the central portion with a factory for stone, earthenware and piping; and the buried foundation of manufactured gas tank on the northern portion. |
| | **Adjoining Properties** | No significant changes. |
| 1913 | **Property** | The Property is depicted as developed in the southern portion along Main Street and southwestern portion along Bayeaux Street with commercial business. Central portion of the property along Bayeaux Street depicts a gas and electric store. The Poughkeepsie Gas Light Company is no longer depicted. |
| | **Adjoining Properties** | The adjoining property to the north of the site is depicted as a tenement. A gasometer labeled as "Not Used) is depicted in the northwest. No other significant changes. |
| 1950 | **Property** | Bayeaux Street is now named North Perry Street. The Property is depicted as developed in the southern portion along Main Street and southwestern portion along North Perry Street with commercial business. Central portion of the property along North Perry Street depicts a poultry market and vacant building. The northern portion of the property depicts a private garage for automobiles and "J. Schrauths Sons Inc." is labeled across the north portion. |
| | **Adjoining Properties** | The adjoining property to the north of the site is depicted as vacant and boarded up. A scrap metal yard is depicted adjoining to the northwest. No other significant changes. |
| 1952 | **Property** | The garage structure at the northern portion of the Property is now labeled as an ice cream distribution warehouse instead of a private garage. A buried gasoline tank is depicted adjacent to the southeast corner of the garage. No other significant changes. |
| | **Adjoining Properties** | No other significant changes. |
| 1990 | **Property** | The Property is depicted with the Admiral William F Halsey Senior village for housing at the southern end and the remaining portion of the site with no improvements. |
| | **Adjoining Properties** | The adjoining properties are depicted as developed with a parking lot to the southwest with commercial businesses and apartments, northwest and east adjoining depicts multifamily residential dwellings. The north adjoining property is depicted as a playground. The southern adjoining properties are depicted as vacant lots. |

A copy of the Certified Sanborn Map Report is attached in Appendix D.

### 4.2.2 City Directories

An EDR City Directory Abstract report was reviewed for data of former occupants of the Property's street address. The following is a generalized summary of the findings of city directory research for past occupants of the Property.

| Property | |
|---|---|
| **Occupant(s)** | **Appr. Date Range** |
| Residential and Commercial Listings (127-149 Main Street) | 1942 - 1970 |
| Self Service Laundry (145 Main Street) | 1963 |
| Disabled American Veterans | 2000 |

| Property | |
|---|---|
| **Occupant(s)** | **Appr. Date Range** |
| Residential occupants of Admiral Williams F Halsey Senior Village (135 Main Street) | 1980-1992, 2005-2014 |

The EDR City Directory Abstract report was also reviewed for listings of historic occupants of the adjoining properties. The following is a general summary of listings of historic adjoining property occupants:

| Adjoining Properties | | |
|---|---|---|
| **Address(es)** | **Historic Occupant(s)** | **Appr. Date Range** |
| 130-150 Main Street | Various Residential and commercial listings including a motor vehicle bureau, funeral home, plumbing supply store | 1942 – 1975 |
| 138-140 Main Street | Commercial listings including Irene Development Corp and River Valley Realty Corp, Peter J Liepmann MD LLC, & River Valley Care Center Inc | 2000-2014 |
| 98-128 Main Street | Residential and Commercial listings including shoe repair, electronic store, restaurant, motor cycle repair shop, fruit market, linen supply company | 1942 – 1980 |
| 110-116 Main Street | Various commercial listings including Ackerman Quinn Financial Services, Poughkeepsie Chamber of Commerce, Alternative Environmental Services, Marshall & Sterling Inc., etc. | 1992-2014 |
| 113-125 Main Street | Residential and Commercial listings including a tavern, janitor supply | 1942-1975 |
| 113-115 Main Street | Residential and Commercial listing including Milanese Restaurant | 1975-2014 |
| 157 - 161 Main Street | Residential Listing | 2010- 2014 |
| 12-42 North Perry Street | Residential listings | 1942-2000 |

A copy of the EDR City Directory report is attached in Appendix D.

### 4.2.3 Historical Topographic Maps

Due to the availability of alternate historic sources, as well as the likelihood that this source would not provide any significant data, historical topographic maps were not researched for this assessment.

| Year(s) | Summary | |
|---|---|---|
| | **Property:** | (not reviewed) |
| | **Adjoining:** | |

### 4.2.4 Historical Aerial Photographs

Due to the availability of alternate historic sources, as well as the likelihood that this source would not provide any significant data, historical aerial photographs were not researched for this assessment.

| Year(s) | Summary of Interpretation | |
|---|---|---|
| | **Property:** | (not reviewed) |
| | **Adjoining:** | |

### 4.2.5 EDR High-Risk Historical Records

The EDR Radius Map™ report, which is discussed in greater detail in Section 4.3, provided a search of proprietary databases of potential historical high-risk uses at or in the vicinity of the Property. These databases include EDR Historic Cleaners – a database of property addresses with records of historical occupancy by suspected cleaners businesses; EDR Historic Auto – a database of property addresses with records of historical occupancy by potential automotive gas/filling stations and repair facilities; and EDR MGP- a database of sites historically occupied by manufactured gas plants and related facilities.

| EDR Database | On-site Listings: | Adjoining/Off-Site Listings |
|---|---|---|
| **Historic Cleaners:** (on-site/adjoining only) | None | None |
| **Historic Auto:** (on-site/adjoining only) | None | None |
| **MGP:** (1-mile distance) | The Property is listed as a former MGP from as early as 1887 through approximately 1911. | Two additional MGP listings are identified within 1-mile search distance. One MGP site is located approximately 2,041 feet to the south-southwest of the Property. The second MGP site is located approximately 2,243 feet to the northwest of the Property. |

### 4.2.6 Petroleum/Natural Gas Well Review

The historical record sources were reviewed for records of historic petroleum and/or natural gas wells at the Property. No record of any historical petroleum/natural gas wells at or adjoining the Property was identified.

### 4.2.7 Additional Historical Data

Where applicable, the following additional pertinent historical data was obtained:

| | |
|---|---|
| **Interviews/Anecdotal:** | No additional pertinent historical data was obtained. |
| **Local Gov't Records:** | No additional pertinent historical data was obtained. |
| **Prior Env. Reports:** (Section 3.1) | Prior environmental reports reviewed as part of this assessment, as detailed in Section 3.1, did not provide additional pertinent detail of historical site usage. |
| **Site Observations:** | Indications of historic uses of the Property or adjoining properties were not observed during the site reconnaissance. |
| **Other Sources:** | No additional pertinent historical data was obtained. |

### 4.2.8 Summary of Identified Historic Uses

The following table presents a summary of the types and approximate date ranges of identified prior uses of the Property:

| **Property** | |
|---|---|
| **Date Range** | **Use** |
| 1887 to 1913 | Various commercial stores observed to the south of the property along Main street; Central portions of the property observed various commercial business; Northern portion of the property is observed with a manufactured gas plant. |
| 1913 to 1952 | Various commercial properties are observed in the south along Main Street. Central portions of the property is developed with commercial businesses, portions of a dairy and a vacant building; North portion of the property is developed with a private garage for automobiles. |
| Circa 1975 to Present | Senior Citizen Apartment Complex |

The following table presents a summary of the types of identified prior uses of the adjoining properties:

| **Adjoining Properties** | |
|---|---|
| **Date Range** | **Use** |
| 1887 to present | Residential, commercial, and storage |

### 4.2.9 Historical Records Data Failure

The ASTM E1527-13 standard defines data failure as a failure to achieve the ASTM specified historical research objectives after reviewing the standard historical sources that are reasonably ascertainable and likely to be useful. The objective is to identify all obvious uses of the property from the present, back to the property's first developed use, or back to 1940, whichever is earlier. Furthermore, records of historic use/conditions should be sought in intervals no less than approximately five years, unless the property conditions appear unchanged over a longer interval.

| Objective | Met? | Detail | Significant? |
|---|---|---|---|
| First developed use/date determined? | No | The earliest documented use of the Property was a mix of commercial stores/businesses and a manufactured gas plant in 1887. | No |

| Objective | Met? | Detail | Significant? |
|---|---|---|---|
| Record sources at 5-year intervals back to 1940 or first developed use? | No | Historical record gaps exceeding five years were encountered. However, significant site-use changes or undiscovered site uses appear unlikely to have occurred during the record gaps. | No |
| All obvious prior uses identified? | Yes | See Section 4.2.8. | No |

Please refer to Section 2.3 for additional discussion of data gaps and their significance to the findings of the assessment.

### 4.2.10 Historic Uses REC Discussion

The review of historical records did not indicate evidence of a REC in connection with the Property.

The central and north portions of the property were occupied by portions of a manufactured gas plant, currently known as the CH – Bayeaux Street Poughkeepsie MGP, from approximately the mid-19$^{th}$ to early-20$^{th}$ century. As further described in Section 4.3.1, the former MGP site is listed on the database of New York State Superfund sites and has undergone previous subsurface investigations with NYSDEC oversight due to the potential for subsurface impacts from the historical gas manufacturing operations. According to the NYSDEC published information, following the completions of site investigation work in 1990 and 2006, no significant MGP waste material was found and a NFA status was granted by NYSDEC on March 12, 2007.

The northern half of the Property was occupied by portions of a dairy in the mid-20$^{th}$ century, which included a garage structure and adjoining buried gasoline storage tank depicted by a 1952 historical fire insurance map. The site was redeveloped into the current configuration in the 1970s. Subsurface testing at the Property has not identified by evidence of a petroleum release in the vicinity of the historical UST; however, the disposition of the historical gasoline tank was not determined.

## 4.3 Standard Environmental Record Sources

A regulatory database report, titled EDR Radius Map™ Report, prepared by Environmental Data Resources of Shelton, CT was obtained and reviewed. The report provided a search of standard environmental record sources for listings of the Property, adjoining properties and sites within the surrounding area; and has been reviewed for the purpose of identifying listings suggesting a potential impact to the Property due to presence or migration of hazardous substances and/or petroleum products. Additional descriptions of the meaning and significance of the regulatory databases can be found in the regulatory database report in Appendix E. The EDR Radius Map™ Report provided a search of the following database categories in accordance with the requirements of the ASTM Standard E1527-13:

| Regulatory Database | Search Distance |
|---|---|
| Fed. National Priorities List (NPL/a.k.a. "Superfund" sites) & Proposed NPL | 1-mile |
| Fed. Delisted NPL | ½-mile |
| Fed. Superfund Enterprise Management System (SEMS; formerly CERCLIS) | ½-mile |
| Fed. SEMS-ARCHIVE (formerly known as CERCLIS NFRAP) | ½-mile |
| Fed. RCRA Corrective Action Sites (CORRACTS) | 1-mile |
| Fed. RCRA Transport/Storage/Disposal (TSD) sites | ½-mile |
| Fed. RCRA Generators (LQG, SGQ & CESQG) | Site & Adjoining |
| Fed. Institutional Control/Engineering Control (IC/EC) Registries | Site only |
| Fed. Emergency Response Notification System (ERNS) | Site only |
| State/Tribal Hazardous Waste Sites (SHWS) | 1-mile |
| State/Tribal Landfill and/or Solid Waste Disposal (LF/SWF) | ½-mile |
| State/Tribal Leaking Storage Tanks | ½-mile |
| State/Tribal Registered Storage Tanks | Site & Adjoining |
| State/Tribal IC/EC Registries | Site |
| State/Tribal Voluntary Cleanup Sites | ½-mile |
| State/Tribal Brownfields | ½-mile |
| Additional Federal, State, Tribal and Local Environmental Databases | Variable |

Reported distances for adjoining listings discussed in Section 4.3.4, if applicable, are approximate and indicative of the presence of a public roadway or right-of-way between the adjoining site and Property.

The reported gradients indicated where applicable in Sections 4.3.4 and 4.3.5 have been estimated based on a number of factors including but not necessarily limited to field observation, review of topographic maps, database listing details and/or site specific geo-technical data.

### 4.3.1 Supplemental Database Listings

The regulatory database report was also reviewed for listings on supplemental databases, in addition to the Standard Environmental Record Sources. Any property or adjoining property listings on such databases of significant concern, if identified, is discussed in Sections 4.3.3 and 4.3.4. Otherwise, none of the other supplemental database listings identified by the regulatory database report are considered to be a REC in connection with the Property.

### 4.3.2 Limited Tier I Vapor Encroachment Screening

Limited analysis of the details of on-site, adjoining and vicinity database sites was conducted to identify potential sources of sub-surface vapor encroachment. This review was based on elements of the ASTM "Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions" (ASTM E 2600-15); and also on elements of "Methodology for Identifying the Area of Concern Around a Property Potentially Impacted by Vapor Migration from Nearby Contaminated Sources" (Buonicore, 2011-S-103-AWMA). Vicinity database sites pertaining to non-petroleum product releases within 1,760 feet of the Property in the up-gradient direction, 365 feet of the Property in the cross gradient direction and 100 feet of the Property in the down gradient direction; and vicinity database sites pertaining to petroleum product releases within 528 feet of the Property in the up-gradient direction, 165 feet of the Property in the cross gradient direction and 100 feet of the Property in the down gradient direction were reviewed to identify active contamination sites with the potential to affect subsurface vapor conditions at the subject property. The potential for vapor encroachment was considered in assessing whether or not a REC exists in connection with the Property when reviewing applicable sites within those distances.

Regulatory database sites with active petroleum or non-petroleum releases that are considered to constitute a vapor encroachment condition (VEC) to the Property, if any, are identified and discussed in Sections 4.3.3, 4.3.4 and 4.3.5.

### 4.3.3 Property Listings

The following listings of the Property were identified:

| | |
|---|---|
| **Name/Address:** | Admiral William F. Halsey Senior Village, 135 Main Street |
| **Database(s):** | AST, UST |
| **Data Discussion:** | According to the database, a 10,000-gallon #2 heating oil UST was installed in 1976 and with the status "closed – removed" in 1997. The AST listing indicated a 10,000-gallon #2 heating oil tank installed in 2008 with the status "In Service". No indication of reported spills were noted for either tank. |
| **REC Discussion:** | Based on the details provided above, a REC is not suspected in connection with the Property. |
| **VEC Discussion:** | Based on the available data, a VEC is not suspected. |

| | |
|---|---|
| **Name/Address:** | CH - Bayeaux Street Poughkeepsie MGP, Main Street and North Perry Street |
| **Database(s):** | SHWS/NY HSWDS |
| **Data Discussion:** | The HSWDS listing reflected information dated 2003 that the former Bayeaux Street MGP was listed as a potential hazardous waste disposal site. Although not listed by EDR on the SHWS database, a search of the NYSDEC Environmental Site Remediation database listed the former Bayeaux Street MGP (#314071) in the state superfund program with "C" (completed) classification. Further, the database details state *"Site was given a class of R. Decision was made on 3/12/07 to classify as N. Reclassified to C. This was the site of a small MGP on Main Street and North Perry Street in Poughkeepsie. A senior citizens housing development occupies the site today. The site is included in a multi-site Consent Order #D3-0134-89-05 1/12/90. A Site Assessment (PSA) was performed in 1990. No significant MGP waste material was found, and an NFA letter was sent on 03/12/07. As DER's experience with MGP sites grew, a few data gaps were identified in the original PSA. Central Hudson completed additional investigation work in 2006 to more completely cover the full footprint of the site with borings and test pits. The additional work confirmed the original conclusion that no significant MGP waste was present at the site. A letter stating this conclusion was issued on 03/12/07."* |
| **REC Discussion:** | Based on the details provided above, a REC is not suspected in connection with the Property. |
| **VEC Discussion:** | Based on the available data, a VEC is not suspected. |

### 4.3.4 Adjoining Property Listings

The following adjoining property listings were identified. Reported distances, where applicable, are approximate and indicative of the presence of a public roadway or right-of-way between the adjoining site and Property. The reported gradient has been estimated based on a number of factors including but not necessarily limited to field observation, review of topographic maps, database listing details and/or site specific geo-technical data.

| | | | | | |
|---|---|---|---|---|---|
| **Name/Address:** | Salvation Army – 150 Main Street | | | | |
| **Database(s):** | NY SPILLS | | | | |
| **Distance in feet:** | 86 | **Direction:** | SSE | **Gradient:** | Up |
| **Data Discussion:** | According to the database, case number 1809200 was opened on December 1, 2018 when one gallon of fuel oil spilled onto the sidewalk due to a tank overfill. Corrective action was taken and the spill was closed on December 3, 2018 | | | | |
| **REC Discussion:** | Based on the details provided above, a REC is not suspected in connection with the Property. | | | | |
| **VEC Discussion:** | Based on the available data, a VEC is not suspected. | | | | |

| | | | | | |
|---|---|---|---|---|---|
| **Name/Address:** | NYSDOT Project, 133 Main Street, Spill number 9604735 | | | | |
| **Database(s):** | NY SPILLS | | | | |
| **Distance in feet:** | | **Direction:** | | **Gradient:** | |
| **Data Discussion:** | Although mistakenly listed as adjoining by EDR, the listing is actually for a site located in Carroll (Chautauqua County) , New York | | | | |
| **REC Discussion:** | Based on the details provided above, a REC is not suspected in connection with the Property. | | | | |
| **VEC Discussion:** | Based on the available data, a VEC is not suspected. | | | | |

| | | | | | |
|---|---|---|---|---|---|
| **Name/Address:** | River Care Nursing Home, 138-144 Main Street, Spill number 9714354 | | | | |
| **Database(s):** | UST, NY SPILLS | | | | |
| **Distance in feet:** | 1 | **Direction:** | S | **Gradient:** | Cross |
| **Data Discussion:** | The UST listing indicated a 1500-gallon #2 fuel oil UST was installed in 1998 and has been closed by removal. According to the NY Spills listing, contamination was discovered during the removal of a 275 gallon AST from the basement of a demolished building. The spill case was closed on March 26, 1998. | | | | |
| **REC Discussion:** | Based on the details provided above, a REC is not suspected in connection with the Property. | | | | |
| **VEC Discussion:** | Based on the available data, a VEC is not suspected. | | | | |

| | | | | | |
|---|---|---|---|---|---|
| **Name/Address:** | 115 Main Street, Spill number 9202522 | | | | |
| **Database(s):** | NY SPILLS | | | | |
| **Distance in feet:** | 130 | **Direction:** | WSW | **Gradient:** | Down |
| **Data Discussion:** | According to the database, an air eliminator truck malfunctioned causing an oil leak to the paved street. Driver applied Speedi-Dri® and confirmed cleanup, and the spill case was closed on June 2, 1992. | | | | |
| **REC Discussion:** | Based on the details provided above, a REC is not suspected in connection with the Property. | | | | |
| **VEC Discussion:** | Based on the available data, a VEC is not suspected. | | | | |

### 4.3.5 ASTM Search Distance Findings

The following is a discussion of non-adjoining sites identified as located within the ASTM specified search distance surrounding the Property. In order to keep this discussion informative and concise, discussion(s) is/are provided of the listed site(s) for each database category that appears most likely to impact the Property based on distance, area topography and/or regulatory status. Listings of sites within the applicable search distances not specifically discussed below were reviewed and

concluded not to be RECs in connection with the Property or VECs based on various factors including distance, area topography, known or inferred groundwater flow direction and/or regulatory status. Listings for the following databases, if identified, have been discussed above in Sections 4.3.3 and 4.3.4: Registered Storage Tanks, Federal RCRA Generators, Federal and State EC/IC, ERNS. A copy of the full regulatory database report, including available details of all listed sites, is included in Appendix E.

| **Federal NPL** | | | | **# of sites:** | 1 | **Search Distance:** | 1-mile |
|---|---|---|---|---|---|---|---|
| **Notable Listing:** | Hudson River PCBs | | | | | | |
| **Distance in feet:** | 1,814 | **Direction:** | W | **Gradient:** | Down | | |
| **Data Discussion:** | The site is a 40-mile stretch of the Hudson River between Mechanicsville and Fort Edward. General Electric discharged an estimated 1 million pounds of PCBs into that stretch of water. The State has identified 40 hot spots with contaminated sediments greater than 50 parts per million. EPA has prepared a feasibility study and to evaluate alternative remedial actions under CERCLA. EPA approved funding for cleanup and two potential parties responsible for waste associated with this site have been notified. | | | | | | |
| **REC Discussion:** | Based on the details provided above, a REC is not suspected in connection with the Property. | | | | | | |
| **VEC Discussion:** | Based on the available data, a VEC is not suspected. | | | | | | |

| **Federal Delisted NPL** | | | | **# of sites:** | 0 | **Search Distance:** | 1-mile |
|---|---|---|---|---|---|---|---|
| **Notable Listing:** | | | | | | | |
| **Distance in feet:** | | **Direction:** | | **Gradient:** | | | |
| **Data Discussion:** | | | | | | | |
| **REC Discussion:** | | | | | | | |
| **VEC Discussion:** | | | | | | | |

| **Federal SEMS** | | | | **# of sites:** | 1 | **Search Distance:** | ½-mile |
|---|---|---|---|---|---|---|---|
| **Notable Listing:** | Hudson River PCBs | | | | | | |
| **Distance in feet:** | 1,814 | **Direction:** | W | **Gradient:** | Down | | |
| **Data Discussion:** | This site is discussed in the NPL section above | | | | | | |
| **REC Discussion:** | Based on the details provided above, a REC is not suspected in connection with the Property. | | | | | | |
| **VEC Discussion:** | Based on the available data, a VEC is not suspected. | | | | | | |

| **Federal SEMS-ARCHIVE** | | | | **# of sites:** | 2 | **Search Distance:** | ½-mile |
|---|---|---|---|---|---|---|---|
| **Notable Listing:** | Berncolors-Poughkeepsie Inc – 75 N Water St | | | | | | |
| **Distance in feet:** | 1,830 | **Direction:** | NW | **Gradient:** | Down | | |
| **Data Discussion:** | This is the closest SEMS-ARCHIVE site to the Property. The site was indicated as Removal Only Site (No Site Assessment Work Needed) and is not on the NPL. | | | | | | |
| **REC Discussion:** | Based on the details provided above, a REC is not suspected in connection with the Property. | | | | | | |
| **VEC Discussion:** | Based on the available data, a VEC is not suspected. | | | | | | |

| **Federal CORRACTS** | | | | **# of sites:** | 0 | **Search Distance:** | 1-mile |
|---|---|---|---|---|---|---|---|
| **Notable Listing:** | None | | | | | | |
| **Distance in feet:** | | **Direction:** | | **Gradient:** | | | |
| **Data Discussion:** | | | | | | | |
| **REC Discussion:** | | | | | | | |
| **VEC Discussion:** | | | | | | | |

| **Federal RCRA-TSD** | | | | **# of sites:** | 0 | **Search Distance:** | ½-mile |
|---|---|---|---|---|---|---|---|
| **Notable Listing:** | None | | | | | | |
| **Distance in feet:** | | **Direction:** | | **Gradient:** | | | |
| **Data Discussion:** | | | | | | | |
| **REC Discussion:** | | | | | | | |
| **VEC Discussion:** | | | | | | | |

| **State HAZARDOUS WASTE SITE** | | | | **# of sites:** | 4 | **Search Distance:** | 1-mile |
|---|---|---|---|---|---|---|---|
| **Notable Listing:** | HRH Lead Abatement Site – 55 Garden Street | | | | | | |
| **Distance in feet:** | 1,954 | **Direction:** | E | **Gradient:** | Up | | |
| **Data Discussion:** | This is the closest SHWS site to the Property. According to the database, *"The primary contaminant associated with the site is lead, which resulted from the abatement of lead paint… All lead resulting from the abatement was containerized and properly disposed off-site."* | | | | | | |
| **REC Discussion:** | Based on the details provided above, a REC is not suspected in connection with the Property. | | | | | | |
| **VEC Discussion:** | Based on the available data, a VEC is not suspected. | | | | | | |

| **State SOLID WASTE FACILITY/LANDFILL** | | | | **# of sites:** | 1 | **Search Distance:** | ½-mile |
|---|---|---|---|---|---|---|---|
| **Notable Listing:** | GF Refuse TF – 240 Main St | | | | | | |
| **Distance in feet:** | 1,264 | **Direction:** | ESE | **Gradient:** | Up | | |
| **Data Discussion:** | According to the database, this site is an inactive transfer station. This address is not listed on any additional regulatory databases. | | | | | | |
| **REC Discussion:** | Based on the details provided above, a REC is not suspected in connection with the Property. | | | | | | |
| **VEC Discussion:** | Based on the available data, a VEC is not suspected. | | | | | | |

| **State LEAKING STORAGE TANKS** | | | | **# of sites:** | 24 | **Search Distance:** | ½-mile |
|---|---|---|---|---|---|---|---|
| **Notable Listing:** | Apt Milanese – 111 Main St | | | | | | |
| **Distance in feet:** | 225 | **Direction:** | W | **Gradient:** | Down | | |
| **Data Discussion:** | All of the 24 LTANKS listings have a closed regulatory status and none are considered RECs | | | | | | |
| **REC Discussion:** | Based on the details provided above, a REC is not suspected in connection with the Property. | | | | | | |
| **VEC Discussion:** | Based on the available data, a VEC is not suspected. | | | | | | |

| **State VOLUNTARY CLEANUP SITES** | | | | **# of sites:** | 1 | **Search Distance:** | ½-mile |
|---|---|---|---|---|---|---|---|
| **Notable Listing:** | CH - Water St. - Poughkeepsie MGP – North Water Street | | | | | | |
| **Distance in feet:** | 2,128 | **Direction:** | NW | **Gradient:** | Down | | |
| **Data Discussion:** | According to the database, the former MGP operated from 1911 to 1950, with contaminant of concern coal tar leaking from the storage vessels and piping and still present in the subsurface. Some tars continually to discharge into the Hudson River sporadically. Several environmental investigations indicated coal tar contains high levels of dissolved BTEX, PAH and metal compounds that has impacted the subsurface of the site, bedrock and Hudson River. Based on the active investigation, the flow of contamination towards the Hudson River, elevation and distance from the Property, this listing is not considered a REC in connection of the Property. | | | | | | |
| **REC Discussion:** | Based on the details provided above, a REC is not suspected in connection with the Property. | | | | | | |
| **VEC Discussion:** | Based on the available data, a VEC is not suspected. | | | | | | |

| State BROWNFIELD SITES | | | | # of sites: | 4 | Search Distance: | ½-mile |
|---|---|---|---|---|---|---|---|
| **Notable Listing:** | Queen City Lofts – 178-188 Main St & 11 S. Bridge St. | | | | | | |
| **Distance in feet:** | 311 | **Direction:** | SE | **Gradient:** | Up | | |
| **Data Discussion:** | According to the database, the site was used for various industrial, commercial and residential purposes including a machine shop and laundry facility from as early as 1887 until the mid-1980s. Contamination was identified during a subsurface investigation attributed to historic fill and two USTs. Contamination is documented to be contained within the site boundaries. Based on the subsurface investigation and no contamination leaching offsite, this listing is not considered to be a REC in connection with the Property. Based on various factors including distance, area topography and/or site status, none of the other BROWNFIELDS listings are considered to be a REC for the Property. | | | | | | |
| **REC Discussion:** | Based on the details provided above, a REC is not suspected in connection with the Property. | | | | | | |
| **VEC Discussion:** | Based on the available data, a VEC is not suspected. | | | | | | |

| UNMAPPED/ORPHAN LIST SITES | |
|---|---|
| | Hillmann has also reviewed a list of unmapped sites (a.k.a. "Orphan List" sites) indicated by the database report. Unmapped sites that were identified as falling within an applicable specific search distance or warranting discussion have either been discussed in the preceding tables or are detailed below: |
| **Notable Listings:** | None |

## 4.4 Additional Environmental Record Sources

Requests have been submitted to local, municipal and state agencies for pertinent records pertaining to the Property, particularly with regard to potential environmental concerns such as petroleum storage tanks, storage and usage of hazardous substances and petroleum products, and/or known or suspected environmental contamination. Where applicable, internet research of government environmental regulatory databases was also conducted, as well as a general cursory internet search of the Property address, for information indicative of a REC. The following table summarizes the findings of the research:

| Source | Type of Request | Outcome |
|---|---|---|
| NYS Dept of Environmental Conservation | FOI request | A response was recieved stating that no records were found. |
| Dutchess County | FOI request | A response was recieved stating that no records were found. |
| City of Poughkeepsie | FOI request | A response was received indicating building department records were available however as of the date of this report no records have been received. |
| EPA Envirofacts | Online search | Hillmann reviewed available on-line records pertaining to the Property. No information indicative of a REC was identified. |
| Internet Search Engine | Online search | Hillmann reviewed available on-line records pertaining to the Property. No information indicative of a REC was identified. |

# 5.0 SITE RECONNAISSANCE

## 5.1 Methodology and Limiting Conditions

The site reconnaissance consisted of visual and/or physical observations of the Property and improvements, adjoining properties as viewed from the Property boundaries and the surrounding area based on visual observations from adjoining public thoroughfares. Building exteriors were observed at ground level, unless otherwise indicated. Where applicable, representative areas of building interiors were accessed and observed to the extent they were made safely accessible with the cooperation of the site escort.

| | |
|---|---|
| **Site Inspection Personnel:** | Stephanie Lamb |
| **Property Escort/Company:** | Mr. Chris Green/ Reliant Realty |
| **Inspection Date:** | October 20, 2020 |
| **Weather Conditions:** | Overcast, 60 degrees F |

### 5.1.1 Significant Inaccessible Areas

No significant areas of the Property inaccessible at the time of the inspection were noted.

### 5.1.2 Significant Limiting Site Conditions

No significant limiting site conditions were noted at the time of the site reconnaissance.

## 5.2 General Site Setting

### 5.2.1 Site and Vicinity Characteristics

| | |
|---|---|
| **Abutting Roadways:** | Main Street to the south; North Perry Street to the west |
| **Current Property Use:** | Residential Senior Housing |
| **Evidence of Past Property Uses:** | None observed. |
| **Evidence of Past Adjoining Property Uses:** | None observed. |
| **Surrounding Area Uses:** | Commercial, residential, park |

### 5.2.2 Current Adjoining Property Uses

| Dir | Street Address | Description |
|---|---|---|
| **N** | 31-35 North Perry Street | City Park |
| **NW** | 20 North Perry Street | Apartments (Residential Multifamily) |
| **W** | 115 Main Street | Restaurant |
| **SW** | 110 Main Street | Offices |
| **S** | 140 Main Street | The Grand Rehabilitation & Nursing at River Valley |
| **E** | 20 North Bridge Street | Apartments (Residential Multifamily) |

No visual observations indicative of a potential environmental concern were noted on the adjoining properties.

### 5.2.3 Topographic Characteristics

| | |
|---|---|
| **Terrain:** | Flat to gently sloping |
| **Direction of Downward Slope:** | Towards the west |
| **On-site Water Bodies:** | None observed |
| **Other Significant Features:** | None observed |

### 5.2.4 General Description of Structures

| | |
|---|---|
| **Buildings/# of Floors** | One building/13-story |
| **Approx. Building Area:** | 85,800 ft² |
| **Approx. Year Built:** | 1976 |
| **Ancillary Structures:** | Heating Oil Storage Tank Building, 2 Small Sheds |
| **Sources of Heating & Cooling:** | Oil fired and electrical powered systems |
| **Potable Water/Sewage Disposal:** | Municipal utility connections |

## 5.3 Interior & Exterior Observations

### 5.3.1 Storage/Usage of Hazardous Substances and Petroleum Products

The following hazardous substances and petroleum products were observed to be stored and used by property occupants:

| Occupant | Substance | Qty/Container Type | Storage Conditions |
|---|---|---|---|
| Owner | Various cleaning and maintenance supplies | Multiple 1-5 gal Containers | In Maintenance Storage. |

### 5.3.2 Drums

The following hazardous substance or petroleum product drums were noted on the Property:

One 55-gallon drum of floor cleaner was observed in the maintenance storage room. No signs of leaking or staining were observed in the area of the drum.

### 5.3.3 Unidentified Substance Containers

No unidentified substance containers suspected of containing hazardous substance or petroleum product were noted on the Property.

### 5.3.4 Other Hazardous Substances/Petroleum Products

No other containers of hazardous substances or petroleum products were noted on the Property.

### 5.3.5 Bulk Petroleum/Hazardous Material Storage Tanks

The following storage tanks for bulk petroleum or hazardous material storage were identified or reported to be present; or are suspected to be present based on visual observations:

| AST/ UST | Product | Capacity | Construction | Year Installed | Status | Location/Notes |
|---|---|---|---|---|---|---|
| AST | No. 2 Fuel Oil | 10,000-gal | Steel | 2008 | In Service | Within sheltered enclosure; no evidence of a release was observed. |
| UST | No. 2 Fuel Oil | 10,000-gal | Steel | 1976 | Closed in Place | UST decommissioned in 1997; see UST closure report discussion in Section 3.1 |

Hillmann notes that the potential presence of abandoned USTs and/or associated buried piping at the Property cannot be ruled out. A 1952 Sanborn fire insurance map depicted a buried gasoline on the northeastern portion of the Property. The site was redeveloped into the current configuration in the 1970s. While subsurface testing at the Property has not identified by evidence of a petroleum release in the vicinity of the historical UST, the disposition of the historical gasoline tank was not determined.

### 5.3.6 PCBs in Oil Filled Electrical/Hydraulic Equipment

The existing site improvements were established prior to the ban of PCBs in 1979. The following oil-filled electrical/hydraulic equipment was identified at the Property:

One hydraulic trash compactor was observed in the compactor room. No signs of leaking or staining were observed in the area of the compactor motor.

### 5.3.7 Odors

No strong, pungent or noxious odors were noted at the Property.

### 5.3.8 Pools of Liquid

No standing water or pools of liquid likely to contain hazardous substances or petroleum products were noted at the Property.

### 5.3.9 Interior Stains or Corrosion

No interior stains or corrosion due to hazardous substance/petroleum products spills/releases were noted at the Property.

### 5.3.10 Interior Drains/Sumps

No floor drains or sump pits were noted at the Property other than for storm water or sewage management.

### 5.3.11 Exterior Pits/Ponds/Lagoons

No exterior pits, ponds or lagoons was identified on the Property in connection with waste treatment or disposal.

### 5.3.12 Stained Soil, Pavement/Stressed Vegetation

No stained soil, pavement or stressed vegetation was observed at the Property.

### 5.3.13 On-Site Solid Waste Disposal/Fill Material

No evidence of any on-site solid waste dumping was noted at the Property. No evidence of recently deposited fill materials was observed at the Property.

### 5.3.14 Waste Water

Sanitary sewage generated at the Property is discharged via a connection to the local public sewer system.

Storm water runoff at the Property is discharged via roof drains into the municipal sewer system.

No additional waste water discharges were identified at the Property.

### 5.3.15 Septic Systems

No septic systems were identified at the Property.

### 5.3.16 Wells

No potable, monitoring or other groundwater wells were identified at the Property.

### 5.3.17 Railroad Spurs

No railroad spurs were identified on the Property.

# 6.0 INTERVIEWS

## 6.1 Interviews with Past and Present Owners and Occupants

| Subject | Name/Affiliation | Summary |
|---|---|---|
| Property Owner / Representative | Ms. Lori Ferguson & Mr. Chris Green / Reliant Realty | Ms. Ferguson was provided an environmental questionnaire and Ms. Ferguson and Mr. Green were interviewed during the site inspection. Pertinent information from the interview, where applicable, has been referenced in various sections of this report. |
| Property Occupants | Not applicable | Property occupants were not available for interview at the time of the assessment. |
| Past Owners, Occupants, Operators | Not applicable | Past owners/occupants of the Property were not available for interview at the time of the assessment. |
| Owners/Occupants of Adjoining or Nearby Properties | Not applicable | The Property was not an abandoned property with evidence of unauthorized uses or uncontrolled access; therefore, interviews with adjoining or nearby property owners or occupants were not conducted. |

## 6.2 Interviews with State and/or Local Government Officials

Written and on-line requests for environmental records of the Property from State and Local governmental agencies are detailed in Section 4.4.

# 7.0 BUSINESS ENVIRONMENTAL RISKS

In accordance with the contract agreement for this assessment, Hillmann has performed cursory reviews of several potential Business Environmental Risks (also known as "Non-Scope Considerations"). The ASTM E1527-13 standard defines the term business environmental risk (BER) as, *"a risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated in this practice."*

## 7.1 Asbestos-Containing Material (ACM)

The contracted scope of work included a cursory visual screening of the accessed portions of buildings at the Property built prior to 1990 for suspect asbestos containing materials (ACM). The information provided in this section, where applicable, is limited to identification of potential suspect materials in the readily accessible and observed areas of the building, and their general condition. This is not intended to be a comprehensive survey for the presence of ACM, and no testing has been conducted.

Suspected ACM noted within the accessed building areas included floor tile and associated mastics, roofing materials, cover base and associated mastic, gypsum wallboard systems, suspended ceiling panels and thermal systems insulation.

Hillmann was provided with a copy of a prior asbestos survey report titled Asbestos Inspection Survey, Admiral Halsey Senior Housing Complex-135 Main Street, Poughkeepsie, NY; by Environmental Health Investigations, dated May 30, 2007. The survey was indicated to be non-intrusive. Fifty-six samples were collected for asbestos analysis. Identified ACM materials included roofing materials (assumed), floor tile and associated mastic, boiler flue insulation, rope-like boiler gasket and caulking/insulation.

## 7.2 Lead-Based Paint

The contracted scope of work included a cursory visual screening of the condition of painted surfaces in the accessed areas of residential buildings/units built prior to 1980. This is not intended to constitute a comprehensive survey for LBP or potential lead hazards, and no testing has been conducted.

Painted surfaces observed within the accessed areas of the residential building were noted to be in good condition.

Hillmann was provided with a copy of a prior lead paint screening report titled Lead Paint Screening; by Environmental Health Investigations, dated October 9, 2007. See below for the conclusions from the Lead Paint Screening report prepared by EHI:

> *"Based on the results of the screening, no tested paint surfaces were found to contain lead paint. However, many of the wall tiles in the bathrooms throughout the facility tested positive for lead. The wall tiles are not considered a lead painted surface but do contain levels of lead in them greater than or equal to 1.0 mg/cm2. Contractors performing any renovation or demolition activities that will impact*

*the wall tiles creating dust and debris should consult the Operations and Maintenance Plan to determine work practices and proper personal protective equipment."*

## 7.3 Radon

Data compiled by the USEPA, as summarized by the regulatory database report, indicated that the Property is located in an area classified as Zone 1 or 'high risk' area for radon. Radon testing was not included in the scope of this assessment.

Hillmann was provided with a copy of a prior radon testing report titled Radon Testing; by Environmental Health Investigations, dated September 8, 2008. The main office, community room, and boiler room were the sample locations for the radon test. See below for the conclusions from the Lead Paint Screening report prepared by EHI:

*"The US EPA has set an action level of 4.0 pico Curies per Liter (pCi/L) for a residence. The tests conducted at the Admiral Halsey are all well below the action level. The US EPA maintains a radon information website which includes copies of all publications, at www.epa.gov/iaq/radon."*

## 7.4 Mold/Microbial Damage

As per the contracted scope of work, Hillmann conducted a cursory visual screening of the accessed areas of the building for evidence of significant damage to building materials and finishes as result of moisture intrusion and/or mold/microbial growth. Hillmann did not observe evidence of significant problems with moisture intrusion or mold/microbial growth at the Property.

## 7.5 NWI Mapped Wetlands

As indicated in the Physical Setting Source table of Section 4.1, no NWI mapped wetlands areas were depicted at the Property by the EDR Geocheck-Physical Setting Source Addendum (attached in Appendic E).

The scope of work for this assessment excludes a visual determination of regulated wetlands at the Property. It is emphasized that, regardless of the wetlands data obtained via the EDR Geocheck-Physical Setting Source Addendum, a delineation of regulated wetlands by a qualified professional would be warranted to determine the presence or absence of regulated wetlands at the Property.

## 7.6 Lead in Drinking Water

The scope of work for this assessment included a review of the potential for elevated levels of lead in drinking water by determining the source of the drinking water supply and a review of available compliance or testing data.

Potable water service at the Property is provided by a utility connection with the City of Poughkeepsie A recently published water quality report from the utility indicated compliance with USEPA water quality standards for lead in drinking water. A copy of the report has been attached in Appendix F.

# 8.0 REFERENCES

ASTM E1527-13-Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process; ASTM International, 2013

ASTM E12600-15-Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transaction, ASTM International, 2015

EDR Radius Map Report, Environmental Data Resources, 2020

EDR City Directory Abstract Report, Environmental Data Resources, 2019

EDR Sanborn Map Report, Environmental Data Resources, 2019

Methodology for Identifying the Area of Concern Around a Property Potentially Impacted by Vapor Migration from Nearby Contaminated Sources; A. Buonicore, 2011

Phase I Environmental Site Assessment, 135 Main Street, Poughkeepsie, NY 12601; prepared by Hillmann Consulting, LLC and dated April 8, 2019.

Phase II Subsurface Investigation Report, 135 Main Street, Poughkeepsie, NY; prepared by Hillmann Consulting, LLC and dated April 8, 2019.

Tank Closure Site Assessment Report; Admiral Halsey Village, 135 Main St., Poughkeepsie, New York; prepared by Conrad GeoScience Corp; dated November 18, 1997.

Phase I Environmental Site Assessment – Update, 135 Main Street, Poughkeepsie, New York 12601; prepared by Hillmann Consulting on behalf of Admiral Halsey, L.P., c/o Omni New York, LLC, August 28, 2007.

Limited Phase II Investigation, Admiral Halsey, 135 Main Street, Poughkeepsie, New York 12601; prepared by Hillmann Environmental Group LLC on behalf of Admiral Halsey, L.P., c/o Omni New York, LLC, May 2007.

Vapor Intrusion Investigation, Admiral William F. Halsey Senior Village, 135 Main Street, Poughkeepsie, NY; prepared by Hillmann Environmental Group LLC on behalf of Admiral Halsey, L.P., c/o Omni New York, LLC, July 13, 2007.

Soil & Groundwater Contamination Health & Safety Plan, Admiral William F. Halsey Senior Village, 135 Main Street, Poughkeepsie, NY; prepared for Admiral Halsey L.P by Environmental Health Investigations, Inc.; dated July 11, 2007.

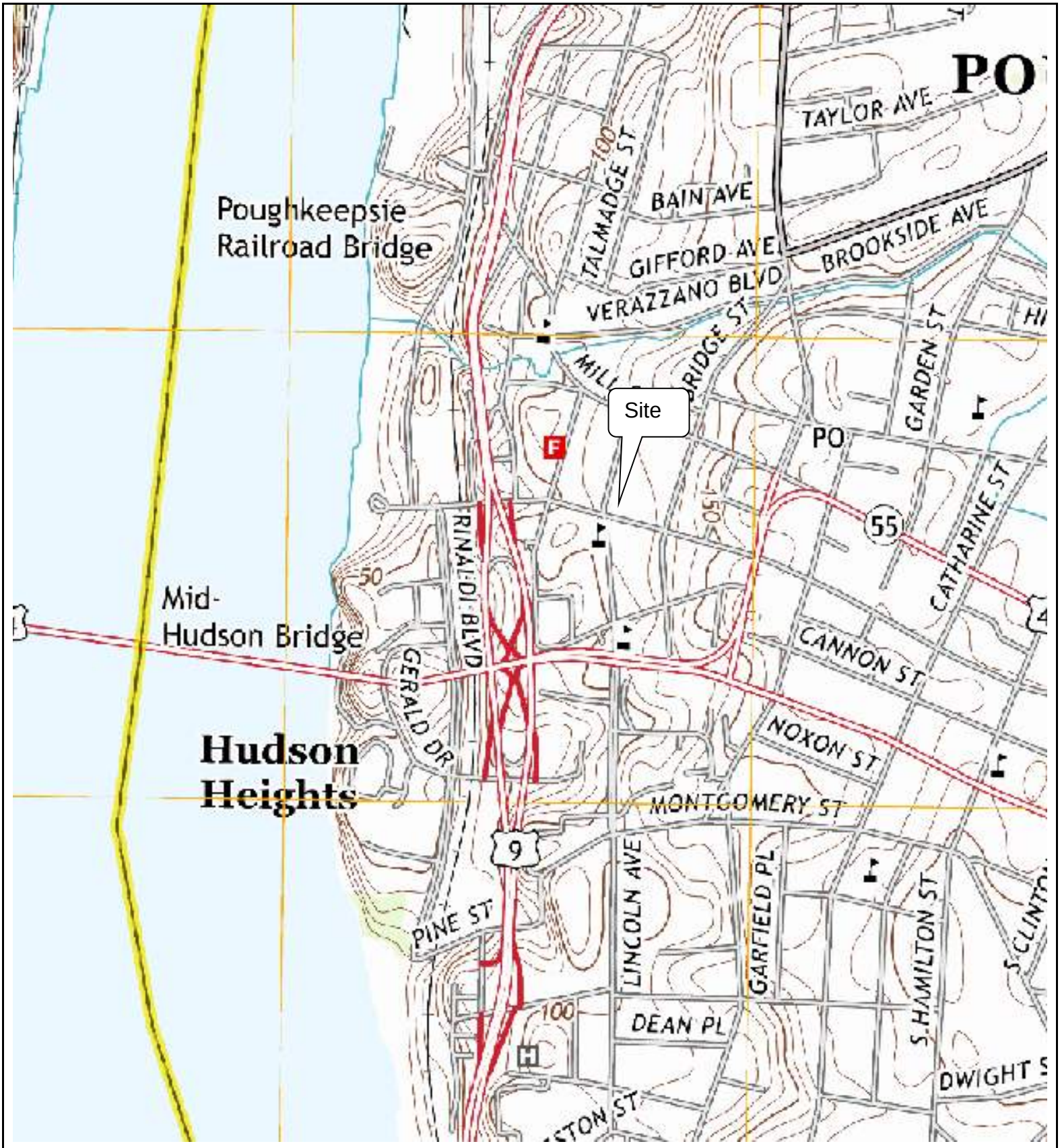
Supplemental Investigation of Poughkeepsie Bayeaux Street Site; prepared by Central Hudson & Electric Corporation, July 2006.

# 9.0 APPENDICES

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| Appendix B | Site Photographs |
| Appendix C | Questionnaires / User Provided Information |
| Appendix D | Historical Records Documentation |
| Appendix E | Regulatory Records Documentation |
| Appendix F | Other Documents / Lab Results |
| Appendix G | Project Personnel Qualifications |

# APPENDIX A

# MAPS / DIAGRAMS




HILLMANN CONSULTING

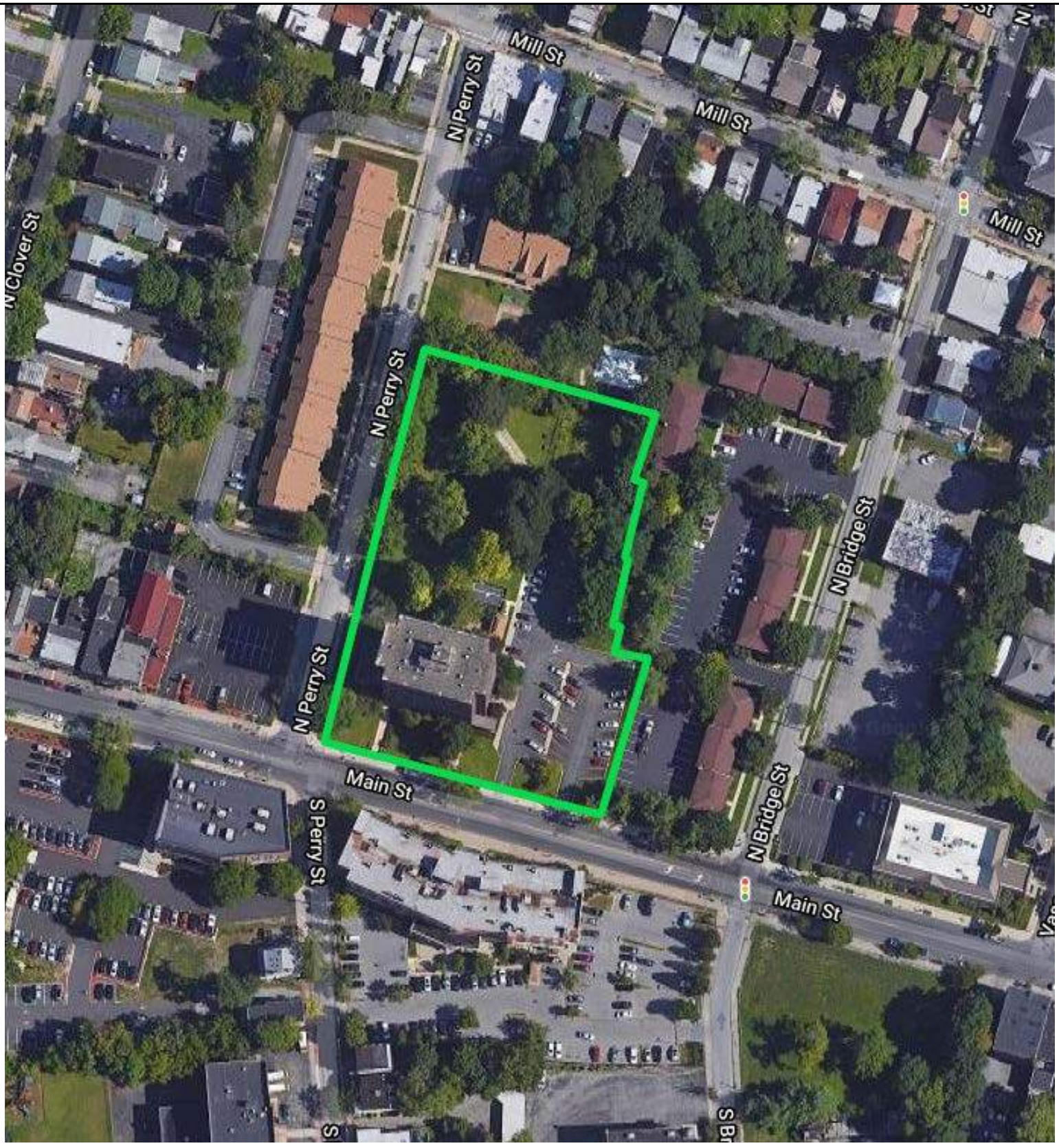
**Figure 1: Site Vicinity Map**

135 Main Street
Poughkeepsie, New York

N

SCALE: (NOT TO SCALE)

PROJECT No.: Z34631




HILLMANN CONSULTING

**Figure 2: Site Diagram**

135 Main Street
Poughkeepsie, New York

N

SCALE: (NOT TO SCALE)

PROJECT No.: Z34631

# APPENDIX B

# SITE PHOTOGRAPHS

PHOTO LOG
135 Main Street
Poughkeepsie, NY


Southeast Elevation of Property


North Side of Property


East Elevation of Property


Commercial Sites Adjacent to West


Southwest Elevation of Property


Residential Site Adjacent to East

Z34631

PHOTO LOG
135 Main Street
Poughkeepsie, NY


Residential Site Adjacent to South



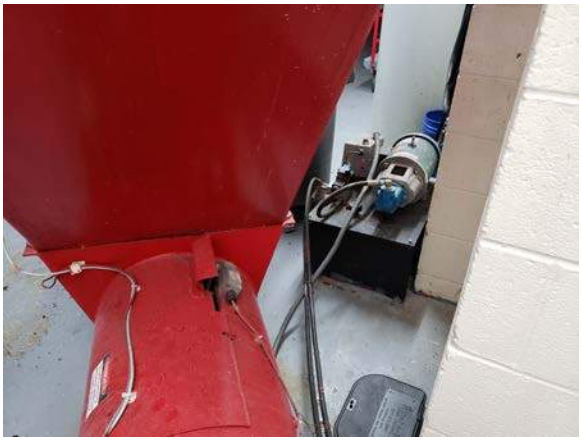
View of Maintenance and Cleaning Supplies


Heating Oil Storage Tank Building on North Side of Property



View of 55 Gallon Drum of Floor Cleaner


View of Heating Oil Fired Boilers


View of Hydraulic Trash Compactor Motor

Z34631

PHOTO LOG
135 Main Street
Poughkeepsie, NY


View of Community Room


Typical Apartment Bedroom



Typical Hallway


Typical Apartment Bathroom


Typical Stairwell


Typical Apartment Kitchen

Z34631

# APPENDIX C

# QUESTIONNAIRES/USER PROVIDED DOCUMENTATION

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# PHASE I ENVIRONMENTAL SITE ASSESSMENT



135 Main Street
Poughkeepsie, NY 12601

Prepared For:

Omni New York, LLC
909 Third Avenue, 21st Floor
New York, NY 10022

Hillmann Project Number G62423

April 8, 2019

HILLMANN
CONSULTING

April 8, 2019

Ms. Elizabeth Moronta
Omni New York, LLC
909 Third Avenue, 21st Floor
New York, New York 10022

**RE: Phase I Environmental Site Assessment**
135 Main Street
Poughkeepsie, NY 12601
Hillmann Project No: G62423

Dear Ms. Moronta:

Hillmann Consulting, LLC, is pleased to provide the results of our Phase I Environmental Site Assessment of the above referenced property. This assessment was performed in accordance with the scope and limitations of ASTM Practice E 1527-13, which is the latest version of the E1527 standard published by the ASTM.

We appreciate the opportunity to provide environmental due diligence services. If you have any questions concerning this report, or if we can assist you in any other matter, please contact our office at 908-688-7800.

Sincerely,

Hillmann Consulting, LLC

Ryan K. Powell, P.G.
Environmental Scientist

David Rutherford
Director of Quality Management

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## List of Abbreviations/Acronyms

Hillmann may use the following abbreviations and acronyms for common terminology described in our report. Not all abbreviations or acronyms may be applicable to this report:

| | |
|---|---|
| ACM | – Asbestos Containing Material |
| AOC | – Area of Concern |
| AST | – Aboveground Storage Tank |
| ASTM | – American Society for Testing Materials |
| BER | – Business Environmental Risk |
| CEA | – Classification Exception Area |
| CERCLA | – Comprehensive Environmental Response Compensation and Liability Act |
| CERCLIS | – Comprehensive Environmental Response Compensation and Liability Information System |
| CESQG | – Conditionally Exempt Small Quantity Generator |
| COC | – Chemicals of Concern |
| CORRACTS | – Corrective Action Sites |
| CREC | – Controlled Recognized Environmental Condition |
| DNPL | – Delisted National Priority List |
| ENG | – Engineering |
| ERNS | – Emergency Response Notification System |
| FDNY | – Fire Department, City of New York |
| FOI/FOIA/FOIL | – Freedom of Information / Freedom of Information Act / Freedom of Information Letter |
| HVAC | – Heating Ventilation & Air Conditioning |
| HREC | – Historic Recognized Environmental Condition |
| IAQ | – Indoor Air Quality |
| INST | – Institutional |
| ISRA | – Industrial Site Recovery Act |
| LBP | – Lead-Based Paint |
| LQG | – Large Quantity Generator |
| LTANK | – Leaking Storage Tank |
| LUST | – Leaking Underground Storage Tank |
| SDS/MSDS | – Safety Data Sheet / Material Safety Data Sheet |
| NA | – Not Applicable |
| NCDOH | – Nassau County Department of Health |
| NFA | – No Further Action |
| NFRAP | – No Further Remedial Actions Planned |
| NJDEP | – New Jersey Department of Environmental Protection |
| NPDES | – National Pollutant Discharge Elimination System |
| NPL | – National Priority List |
| NYCDEP | – New York City Department of Environmental Protection |
| NYCDOB | – New York City Department of Buildings |
| NYSDEC | – New York State Department of Environmental Conservation |
| OPRA | – Open Public Records Act |
| PADEP | – Pennsylvania Department of Environmental Protection |
| PAH | – Polycyclic Aromatic Hydrocarbon |
| PCE | – Perchloroethylene |
| RAO | – Response Action Outcome |
| RCRA | – Resource Conservation and Recovery Act |
| RCRIS | – Resource Conservation and Recovery Information System |
| REC | – Recognized Environmental Condition |
| SCDHS | – Suffolk County Department of Health Services |
| SDG | – Significant Data Gap |
| SEMS | – Superfund Enterprise Management System |
| SRP | – Site Remediation Program |
| SQG | – Small Quantity Generator |
| SVOC | – Semi-Volatile Organic Compound |
| TCE | – Trichloroethylene |
| TSDF | – Treatment Storage and/or Disposal Facility |
| USEPA | – United States Environmental Protection Agency |
| UST | – Underground Storage Tank |
| VEC | – Vapor Encroachment Condition |
| VOC | – Volatile Organic Compound |

# 1.0 FINDINGS, OPINIONS, AND CONCLUSIONS

Hillmann Consulting, LLC (Hillmann) performed a Phase I Environmental Site Assessment (ESA) at 135 Main Street, Poughkeepsie, New York (the Property). This assessment has been conducted in accordance with our contracted scope of work and the ASTM Standard Practice E 1527-13 for Phase I Environmental Site Assessments and All Appropriate Inquiries (AAI) Final Rule 40 CFR Part 312. This section contains a summary of findings, opinions and conclusions made by this assessment. However, this section, alone, does not constitute the complete assessment. The report must be read in its entirety.

## 1.1 Summary of Project Details

| | | | | | |
|---|---|---|---|---|---|
| **Project Name:** | | Admiral Halsey Apartments – New Construction | | | |
| **Primary Street Address:** | | 135 Main Street | | | |
| **City:** | Poughkeepsie | **County:** | Dutchess | **State:** | New York |
| **Tax ID/Parcel Number:** | | Block 76, Lot 911 | | | |
| **Property Owner:** | | Omni New York, LLC | | | |
| **Zoning Designation:** | | R-6 (Residential) | | | |
| **Approx. Property Area:** | | 2.20 acres | | | |
| **Buildings/# of Floors** | | 13 story plus sub-basement | | | |
| **Approx. Building Area:** | | 85,800 square feet | | | |
| **Approx. Year Built:** | | Circa 1976 | | | |
| **Commercial Occupants:** | | Not applicable | | | |
| **Current Use:** | | Senior citizen housing and landscaped property in the rear | | | |
| **Prior Uses:** | | Commercial stores along Main Street. Former Coal MGP in the central and north portions of the property until approximately 1911 | | | |
| **Inspected By:** | | Mr. Ryan K. Powell | | | |
| **Property Contact/Company:** | | Ms. Elizabeth Moronta | | | |
| **Property Escort/Company:** | | Mr. Robert Poppo (Property Porter) | | | |
| **Inspection Date:** | | March 20, 2019 | | | |
| **Weather Conditions:** | | Clear, 50 degrees F | | | |

## 1.2 Findings Summary Table

| PHASE I ENVIRONMENTAL SITE ASSESSMENT | | | | |
|---|---|---|---|---|
| **Assessment Subject** | **No Notable Finding** | **Notable Findings** | **REC ?** | **Rpt. Ref.** |
| User Provided Info | X | | | 3.0 |
| Data Gaps | X | | | 2.3 |
| Property Regulatory Records Review | | The Property was listed in the EDR report with AST and UST designations in the database. A 10,000-g. UST was closed in place in 1997. | No | 4.3.1 |
| Property Historical Records Review | X | Portions of the Property were occupied by a manufactured gas plant from mid-19th to early-20th century. A gasoline UST at the Property was depicted by 1952 fire insurance maps. | No | 4.2 |
| Site Reconnaissance | X | | | 5.0 |
| Interviews | X | | | 6.0 |
| Adjoining & Nearby Properties | | The adjoining properties River Care Nursing Home - 138-144 Main Street and Milanese Restaurant - 115 Main Street are listed in the EDR report under the NY Spills database. | No | 4.3.2 5.2.8 |
| **BUSINESS ENVIRONMENTAL RISKS / NON-ASTM SCOPE** | | | | |
| **BER** | **Not Applicable** | **Findings** | | **Rep. Ref.** |
| Asbestos Containing Materials (ACM) | | An Asbestos Inspection Survey conducted in May 2007 by EHI identified ACM in the form of roofing materials (assumed), floor tile and associated mastic, boiler flue insulation, rope-like boiler gasket and caulking/insulation. | | 7.1 |
| Lead Based Paint (LBP) | | A Lead Paint Screening conducted in October 2007 by EHI concluded that no lead painted surfaces were detected. | | 7.2 |
| Radon | | Three radon tests were performed 8/26/2008 through 8/28/2008 by EHI. Results indicated no exceedance of the EPA radon standards. | | 7.3 |
| Mold | | A limited cursory visual screening for evidence of mold/moisture intrusion did not identify any significant mold/microbial growth in the building. | | 7.4 |
| Wetlands | | The EDR Geocheck Physical Setting Source addendum depicted no state or federal (NWI) mapped wetlands on the Property. | | 7.5 |

## 1.3 Findings and Conclusions

### 1.3.1 Recognized Environmental Conditions

Hillmann has performed a Phase I Environmental Site Assessment in accordance with the scope and limitations of ASTM Practice E 1527-13 of the Property as described in Section 2 of this report. Any additions to, exceptions to, or deletions from this practice are also described in Section 2 of this report. This assessment has revealed no evidence of *recognized environmental conditions* in connection with the Property, except for the following:

| RECOGNIZED ENVIRONMENTAL CONDITIONS | |
|---|---|
| REC #1 | Subsurface testing conducted at the Property in 2007 and 2019 identified metals and SVOCs in soils and groundwater at concentrations exceeding regulatory cleanup standards. The identified contaminants were attributed to historical urban fill. Groundwater results in one location indicated VOC and PAH exceeding the regulatory cleanup standards. These compounds are indicative of a possible petroleum contamination due to recorded PID readings and staining observed in the corresponding soil boring. Due to the findings of the subsurface testing, the Property voluntarily procured a Soil and Groundwater Contamination Health and Safety Plan (EHI, 2007) that prescribed operational procedures for site personnel to follow during activities that disturb soil or groundwater. Since the identified urban fill and VOC contaminants in soil and groundwater are being managed in place under the Soil and Groundwater Contamination Health and Safety Plan, the metals, SVOCs, in soil and VOCs in groundwater are considered to be a REC in connection with the Property. |
| **HISTORICAL RECOGNIZED ENVIRONMENTAL CONDITIONS** | |
| | No HRECs were identified. |
| **CONTROLLED RECOGNIZED ENVIRONMENTAL CONDITIONS** | |
| | No CRECs were identified. |
| **SIGNIFICANT DATA GAPS** | |
| | No SDGs were identified. |

### 1.3.2 REC Response Action Recommendations

The following table presents recommended response actions to the identified RECs for further investigation and/or corrective action:

| REC RESPONSE ACTION SUMMARY TABLE | |
|---|---|
| **REC #** | **Response Action** |
| REC#1 | Given the presence of metals, PAHs, and VOCs, in soil and groundwater, and the current plans for new construction at the site, the site specific management plan for handling site soils and groundwater should be updated and followed during planned construction activities. |

### 1.3.3 Additional Findings

The following environmental conditions were identified, but are not considered to be a REC in connection with the Property:

| NOTABLE ENVIRONMENTAL CONDITIONS | |
|---|---|
| 1. | The central and northern portions of the property were occupied by portions of a manufactured gas plant, currently known as the CH – Bayeaux Street Poughkeepsie MGP, from approximately the mid-19th to early-20th century. As further described in Section 4.3.1, the former MGP site is listed on the database of New York State Superfund sites and has undergone previous subsurface investigations with NYSDEC oversight due to the potential for subsurface impacts from the historical gas manufacturing operations. According to the NYSDEC published information, following the completions of site investigation work in 1990 and 2006, no significant MGP waste material was found and a NFA status was granted by NYSDEC on March 12, 2007. |
| 2. | A gasoline UST associated with a former dairy operation was depicted at the northeast portion of the Property by a 1952 fire insurance map. The entire property was redeveloped into the current senior housing complex in the mid-1970s. While disposition of the historical gasoline UST has not been determined, subsurface testing at the Property did not identify evidence of a petroleum release from the former gasoline UST. |
| 3. | A 10,000-gallon above ground storage tank (AST) was observed in the rear of the building, central portion of the Property. The tank is enclosed with a brick structure and accessed via permanent step ladder fixed to the concrete enclosure. No evidence of leakage was observed at the time of the inspection. |

| | |
|---|---|
| 4. | A 10,000-gallon #2 heating oil UST was closed in place in 1997. The UST closure was documented by a 1997 tank closure report by Conrad Geoscience, which concluded that all soil testing results were below NYSDEC standards. |
| 5. | Hydraulic fluid is used inside the garbage compactor in the garbage compactor room. Based on the age of the construction, the original equipment may have utilized fluids containing PCBs. No evidence of a significant release was identified. |
| 6. | Hillmann notes that the potential presence of abandoned USTs and/or associated buried piping at the Property cannot be ruled out. A 1952 Sanborn fire insurance map depicted a buried gasoline on the northeastern portion of the Property. The site was redeveloped into the current configuration in the 1970s. While subsurface testing at the Property has not identified by evidence of a petroleum release in the vicinity of the former UST, the disposition of the historical gasoline tank was not determined. |

## 1.4 Environmental Professional Statement

I declare that, to the best of my professional knowledge and belief, I meet the definition of *Environmental Professional* as defined in §312.10 of 40 CFR 312. I have the specific qualifications based on education, training and experience to assess a *property* of the nature, history and setting of the subject *property*. I have developed and performed all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.



Ryan K. Powell, P.G.
Environmental Professional

# 2.0 INTRODUCTION

## 2.1 Purpose and Scope

This assessment was conducted utilizing generally accepted Phase I ESA industry standards in accordance with the ASTM Standard Practice E 1527-13. The ASTM describes these methodologies as representing good commercial and customary practice in the United States of America for conducting an environmental site assessment of a parcel of commercial real estate with respect to the range of contaminants within the scope of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) and petroleum products. As such, this practice is intended to permit a user to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner or bona fide prospective purchaser limitations on CERCLA liability (hereinafter, the "landowner liability protections," or "LLPs"): that is, the practice that constitutes all appropriate inquiries into the previous ownership and uses the property consistent with good commercial and customary practice as defined at 42 U.S.C. §9601(35) (B). The primary goal of the processes established by ASTM E1527-13 is to identify *recognized environmental conditions* in connection with the Property.

The term *recognized environmental condition (REC)* is defined by the ASTM as the presence or likely presence of any hazardous substances or petroleum products in, on or at a property: (1) due to a release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment.

The ASTM has also defined the terms *historical recognized environmental conditions* and *controlled recognized environmental conditions* as two additional types of RECs. The term *historical recognized environmental condition (HREC)* is defined as a past release of any hazardous substances or petroleum products that has occurred in connection with the Property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the Property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls or engineering controls).

The term *controlled recognized environmental condition (CREC)* is defined as a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls.

Conditions determined to be *"de minimis conditions"* are not considered to be RECs, HRECs or CRECs. *De minimis condition* is defined by the ASTM, "…as a condition that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies."

The chief components of this assessment are generally described as follows:

- A non-invasive visual reconnaissance of the Property and adjoining properties in accordance with ASTM guidelines for evidence of RECs.

- Interviews of past and present owners and occupants and state and local government officials, seeking information related to the potential presence of RECs at the Property.

- A review of standard physical record sources for available topographic, geologic and groundwater data.

- A review of standard historic record sources, such as fire insurance maps, city directories, aerial photographs, prior reports and interviews, etc., to determine prior uses of the Property from the present, back to the Property's first developed use, or back to 1940, whichever is earlier.

- A review of standard environmental record sources including federal and state environmental databases, and additional environmental record sources, to identify potential regulatory concerns with the Property, adjoining properties and properties located within the surrounding area.

An evaluation of environmental or other regulatory compliance matters is excluded from the scope of this assessment.

These methodologies are described as representing good commercial and customary practice for conducting an Environmental Site Assessment of a property for the purpose of identifying recognized environmental conditions.

### 2.1.1 Business Environmental Risks/Non-ASTM Scope Considerations

In accordance with our contract agreement, Hillmann may have addressed the following potential environmental subject matters that are outside of the requirements of the ASTM E1527-13 standard:

Asbestos-Containing Materials (ACM): A cursory non-intrusive visual screening for the presence of suspect ACM within the accessed areas of buildings built prior to 1990 on the Property. It is emphasized that this cursory non-intrusive visual screening does not constitute an asbestos survey/inspection of the premises. An asbestos survey/inspection should be sought by the report User(s) if more certainty is desired regarding ACM and potential asbestos hazards at the Property. Furthermore, a review of regulatory compliance matters pertaining to asbestos is excluded from the scope of work.

Lead-Based Paint (LBP): A cursory non-intrusive visual screening of the condition of painted surfaces in the accessed areas of residential buildings/units built prior to 1980 on the Property. It is emphasized that this cursory non-intrusive visual screening does not constitute a comprehensive survey for LBP or potential lead hazards. A comprehensive inspection should be sought by the report User(s) if more certainty is desired regarding LBP at the Property. Furthermore, a review of regulatory compliance matters pertaining to lead-based paint is excluded from the scope of work.

USEPA Designated Radon Potential: Review of general non-site specific data published by the USEPA regarding the Radon Zone classification for the area of the Property.

Mold: A cursory non-intrusive visual screening within the accessed areas of buildings on the Property for evidence of systemic microbial problems, including visible mold growth, water

damaged building materials or musty odors. It is emphasized that this cursory non-intrusive visual screening does not constitute a comprehensive survey for moisture/mold/microbial damage. A more comprehensive inspection should be sought by the report User(s) if more certainty is desired regarding the potential for moisture/mold/microbial damages at the Property.

## 2.2 Property Location/Legal Description

Property location and legal description details are described as follows:

| | | | | | |
|---|---|---|---|---|---|
| **Primary Street Address:** | | 135 Main Street | | | |
| **City:** | Poughkeepsie | **County:** | Dutchess | **State:** | New York |
| **Tax ID/Parcel Number:** | | Block 76, Lot 911 | | | |
| **Approx. Land Area:** | | 2.20 acres | | | |
| **Approx. Latitude/Longitude:** | | North 41.7058760 degrees/West 73.9334410 degrees | | | |
| **Additional Details (if appl.):** | | The Property address range includes the landscaped portion rear of the existing building | | | |

## 2.3 Data Gaps

A *data gap* is defined by the ASTM as a lack of or inability to obtain information required by this practice despite good faith efforts by the environmental professional to gather such information. A data gap is only significant if other information and/or professional experience raises reasonable concerns involving the data gap and the ability to determine the presence or absence of recognized environmental conditions. The following table summarizes data gaps encountered during the assessment as well as a discussion of their significance.

| Data Gap: | Significant (Yes/No)? | Discussion |
|---|---|---|
| Historical records data failure | Yes | See Section 4.2.9 |
| Response to agency records requests not received as of date of report. | No | Any additional information indicative of a REC will be forwarded upon receipt. |

## 2.4 User Reliance

This report is for the exclusive use of the User(s) named on the front cover. No other party(ies) shall have any right to rely on the content of this report without first obtaining the consent of the original report User; and without obtaining written consent from Hillmann in the form of a letter of reliance or report recertification.

## 2.5 Significant Assumptions

The following significant assumptions are made:

- Hillmann has assumed that the site operations at the time of the site visit reflect typical site conditions relative to potential environmental conditions and that no concealment of environmental conditions or releases by site owners or occupants has occurred. Likewise, Hillmann has also assumed that no areas of the Property with potential environmental concerns or RECs were concealed or otherwise not made known to us, intentionally or unknowingly, by the Property owners/occupants and/or site escort at the time of the site visit.

- For the purpose of estimating the approximate direction of groundwater flow in the absence of site specific groundwater data, unless indicated otherwise, Hillmann has assumed that the gradient of groundwater flow follows the surface topography of the Property and immediate surrounding area.

## 2.6 General Limitations and Exceptions

### 2.6.1 Limitations

The report turnaround time specified by the contract agreement for this assessment may present a limitation to Hillmann's ability to access and review pertinent regulatory agency records. Such limitations, if encountered, are further specified in Section 4.4.

Significant limitations related to the condition or accessibility of the Property at the time of the site reconnaissance, if encountered, are reported in Section 5.1.

### 2.6.2 Other Exceptions or Deletions

No other exceptions or deletions from the ASTM Standard E 1527-13 are reported.

### 2.6.3 Special Terms and Conditions

Hillmann has prepared this Phase I Environmental Site Assessment using reasonable efforts in each phase of its work to identify recognized environmental conditions associated with hazardous substances, wastes and petroleum products at the Property. Findings within this report are based on information collected from observations made on the day of the site reconnaissance and from reasonably ascertainable information obtained from governing public agencies and private sources.

This report is not definitive and should not be assumed to be a complete or specific definition of the conditions above or below grade. Information in this report is not intended to be used as a construction document and should not be used for demolition, renovation, site development, redevelopment, or other construction purposes. Hillmann makes no representation or warranty that the past or current operations at the Property are, or have been, in compliance with all applicable federal, state and local laws, regulations and codes.

Findings, conclusions and recommendations presented in this report are based on our visual observations of the Property, interviews conducted, the records reviewed, information provided by the Client, and/or a review of readily available and supplied drawings and documents. Hillmann relies upon the information, whether written, graphic or verbal, provided by the Property contact(s) or as shown on any documents reviewed or received from the Property contact, owner or agent, or

municipal source; and assumes that information to be true and correct. Although there may have been some degree of overlap in the information provided by these various sources, Hillmann did not attempt to independently verify the accuracy or completeness of all information reviewed or received during the course of this assessment. Hillmann can neither warrant nor guarantee the accuracy or completeness of information that was obtained from ostensibly knowledgeable individuals, regulatory agency representatives or other secondary sources.

Regardless of the findings stated in this report, Hillmann is not responsible for consequences or conditions arising from facts that were concealed, withheld or not fully disclosed at the time the assessment was conducted.

This report does not warrant against future operations or conditions, nor does it warrant against operations or conditions present of a type or at a location not investigated.

The regulatory database report provided is based on an evaluation of the data collected and compiled by a contracted data research company. The regulatory research is designed to meet the requirements of ASTM Standard E 1527-13. Hillmann can neither warrant nor guarantee the accuracy or completeness of the information obtained from the regulatory database report provider during the course of this assessment.

Subsurface conditions may differ from the conditions implied by the surface observations and can only be reliably evaluated through intrusive techniques.

Reasonable efforts have been made during this assessment to identify aboveground and underground storage tanks and ancillary equipment. “Reasonable efforts” are limited to information gained from visual observation of largely unobstructed areas, recorded database information held in public record and available information gathered from interviews. Such methods may not identify surficial and subsurface features that may have been hidden from view due to parked automobiles and other vehicles, snow cover, vegetative growth, pavement, construction or debris pile storage or incorrect information from sources.

Hillmann is not a professional title insurance firm and makes no guarantee, explicit or implied, that the records which were reviewed represent a comprehensive or precise delineation of past Property ownership or tenancy for legal purposes.

The ASTM E1527-13 standard states that recommendations are not required to be included in a Phase I ESA report; however, further that recommendations are an additional service that may be useful in the User’s analysis of landowner liability protections or business environmental risks; and that the User should consider whether recommendations for additional inquiries or other services are desired.

The recommended response actions to the identified RECs presented in Section 1.3, if any, are not intended to represent the only course(s) of action to take; nor does it imply any opinion as to the timing of the action. Furthermore, it is emphasized that additional response actions may become warranted depending on the outcome of the initial action(s) taken. Hillmann advises that consultation with legal counsel familiar with environmental and real estate law may be beneficial

to the decision making process for the type and timing of a response action to identified RECs, if any.

Due to the limited nature of our review of potential Business Environmental Risks, the User of the report should consider whether to take additional action(s) to further define, properly manage and/or mitigate potential BERs.

In the event of any conflict between the terms and conditions of this report and the terms and conditions of the consulting services agreement for this project, the consulting services agreement shall control.

# 3.0 USER PROVIDED INFORMATION

The term "User" is defined by ASTM as the party seeking to use Practice E1527 to complete an environmental site assessment of the Property; specifically, the entities named on the front cover to which the report has been addressed.

## 3.1 Prior Environmental Reports/Documentation

The following prior environmental investigation reports and documentation were provided to Hillmann:

Tank Closure Site Assessment Report; Admiral Halsey Village, 135 Main St., Poughkeepsie, New York; prepared by Conrad GeoScience Corp; dated November 18, 1997. The report documented tank closure activities for a former 10,000-gallon heating oil UST located in the courtyard behind the apartment building. Initially planned for closure by removal, the report stated that the tank was abandoned in place on October 17, 1997 due to the proximity of a natural gas utility pipe and difficulties removing an UST anchor point. Three soil samples were collected from the bottom of the tank excavation and submitted for VOC and SVOC analysis. No VOCs were detected in any of the samples collected. Seven SVOCs were detected at concentrations well below NYSDEC standards. The report concluded:

> *"Considering the integrity of the UST upon cleaning and attempted excavation, along with the lack of petroleum contaminated soils, there is no evidence of prior leakage or spillage from this tank. In addition, SVOCs detected are well below NYSDEC standards and, therefore, no remedial activity is required. The SVOCs present may represent residual coal tar. No information pertaining to groundwater quality, and the presence of these compounds in groundwater is available at this time."*

Phase I Environmental Site Assessment – Update, 135 Main Street, Poughkeepsie, New York 12601; prepared by Hillmann Consulting on behalf of Admiral Halsey, L.P., c/o Omni New York, LLC, August 28, 2007. The report concluded the following with regard to recognized environmental conditions (RECs) in connection with the Property:

> *"This update assessment has revealed no evidence of recognized environmental conditions (RECs) in connection with the Property, except for the following:*
>
> *• A Limited Phase II Investigation report was prepared by Hillmann in March 2007 to evaluate two recognized environmental condition that were identified by Hillmann's prior Phase I ESA report. The RECs included a potential impact to the environment from a former coal gasification plant; and a historic underground storage tank (UST) that was identified by review of Sanborn Fire Insurance Maps of the Property. The investigation included the use of a GPR survey to identify any underground structures, utilities, or obstructions, and the collection and analysis of soil and groundwater samples. The results of the investigation identified the presence of residual contamination which could be attributed to the past manufactured gas plant usage. The Limited Phase II Investigation identified elevated levels of metals and PAHs in soils throughout the property. Hillmann understands that Omni has obtained a "Property Use and Work Plan" to protect against possible contamination exposure. This document provides insight on which procedures to follow during excavation activities. In addition, this document is site specific and will only pertain to the subject property. Hillmann has contacted the NYSDEC directly, and was informed that there is no requirement to report a spill to the NYSDEC. Therefore Hillmann does not recommend reporting the results to the NYSDEC. Hillmann notes that a*

*Soil and Groundwater Contamination Health and Safety Plan was developed for the Property on behalf of Admiral Halsey LP, dated July 11, 2007."*

The August 28, 2007 Hillman Phase I ESA report also included a summary of a NYSDEC file review of the former Bayeaux Street Coal Gasification Plant. Documentation consisted of a series of reports concerning historic coal gasification plants located the City of Poughkeepsie. Much of the documentation pertained to a different historic coal gas plant located several blocks to the west of the Property along the Hudson River Waterfront. A Phase I investigation report of the Bayeaux Street Coal Gas Plant site was also included, as summarized below by the 2007 Phase I ESA:

*Phase I Investigation Poughkeepsie (Bayeaux Street) Coal Gasification Plant Site, City of Poughkeepsie, Dutchess County, New York; prepared by EA Science and Technology of Middletown, New York; on behalf of Central Hudson Gas & electric Corporation, January 1987:*

*The report indicated that a historic coal gas plant that formerly occupied the Property operated from approximately 1850 to 1911, at which time it was replaced by a Water Street plant located several blocks to the west. The report concluded the following:*

*"The available data are considered insufficient to prepare a final HRS (Hazard Ranking System) score for this site. There is no documentation of hazardous waste or contamination at the former Poughkeepsie Bayeaux Street Coal Gas Plant site. Groundwater soil quality data lacking."*

*"In order to prepare a final HRS score for this site, analytical data regarding the quality of the ground-water and soil, and characteristics of waste (if present), will be necessary, thus requiring performance of a Phase II investigation. The proposed Phase II study would include the performance of a soil vapor survey, the installation of 4 observation wells and the collection and analysis of ground-water and soil samples."*

Limited Phase II Investigation, Admiral Halsey, 135 Main Street, Poughkeepsie, New York 12601; prepared by Hillmann Environmental Group LLC on behalf of Admiral Halsey, L.P., c/o Omni New York, LLC, May 2007.

The purpose of the Limited Phase II Investigation was to evaluate two RECs that were identified by a 2007 Phase I ESA report. The RECs included a potential impact to the environment from a former coal gasification plant; and a historic underground storage tank (UST) that was identified by review of Sanborn Fire Insurance Maps of the Property. The investigation included the use of a GPR survey to identify any underground structures, utilities, or obstructions, and the collection and analysis of soil samples. These samples were collected from boring locations in the asphalt parking lot, around the old UST and in the area of the historic coal gasification plant. A total of fourteen (14) soil and three (3) groundwater samples were collected and analyzed for parameters including volatile organic compounds (VOC), base neutrals and acid extractable (BNA), and Priority Pollutant List Metals.

The following is a summary of the conclusions of the Limited Phase II Investigation:

*"Hillmann has completed a Limited Phase II Investigation at 135 Main Street to assess the impact of former coal gasification plant and UST located on site. The completed scope of work included a GPR survey, the advancement of subsurface borings utilizing a Geoprobe and hand auguring. The following has been concluded from this investigation.*

1. *The results of the investigation have identified the presence of contamination which could be attributed to past site usage. The environmental concerns identified through laboratory and field observations are the presence of metals and Polynuclear Aromatic Hydrocarbons (PAHs) present in the soil and groundwater.*
2. *It appears that the contamination identified is the result of former coal gasification processes conducted on site.*
3. *Elevated levels of metals and PAHs are wide spread throughout the property. Minimal risk of exposure is expected in the areas of the parking lot and/or lawn area. Any excavation or prolonged contact with the subsurface soils may potentially cause exposure to the subsurface contaminants.*
4. *Due to the wide spread presence of elevated metals and PAHs around the property, Hillmann has determined that the contamination encountered is not from the UST, but as a result of the historic coal gasification plant. It is determined that the UST did not impact the surrounding environment.*
5. *Omni has decided to develop a raised garden bed system. This decision will protect the current residence using the garden area. A brief description of the garden area is described in the below section.*
6. *Additionally, Omni is in the process of obtaining a "Property Use and Work Plan" to protect against possible contamination exposure. This document will provide insight on which procedures to follow during excavation activities. This document will be site specific and will only pertain to the subject property. A copy of the work plan will be located at the facility."*

Vapor Intrusion Investigation, Admiral William F. Halsey Senior Village, 135 Main Street, Poughkeepsie, NY; prepared by Hillmann Environmental Group LLC on behalf of Admiral Halsey, L.P., c/o Omni New York, LLC, July 13, 2007.

The scope of work consisted of one round of sampling for VOCs by TO-15 Method. Samples were collected from the Sub-Basement, Maintenance Room, Community Room, on the 1st Floor Adjacent the Elevator, and on the 6th Floor Adjacent the Elevator. Also, one outdoor reference sample was collected. The conclusions and recommendations stated the following:

*4.1 Conclusions*
*Based on Hillmann's review, indoor air quality is not anticipated to cause occupant illness or require immediate remediation. Based on the data that we have at this time, Hillmann has found no evidence that an increase health risk exists from the previous Manufactured Gas Plant (MGP). Although the NYSDOH or Hillmann recognize the upper range of the comparative data as a valid reference, it should be noted that very few samples would exceed this level present in some non-impacted homes. Furthermore, it should be noted that samples were collected from areas susceptible to organic vapors from maintenance products and processes.*

*4.2 Recommendations*
*Based on Hillmann's review of indoor sample results, indoor air quality is not anticipated to cause occupant illness or require immediate remediation. In order to conduct a comprehensive vapor intrusion assessment NYSDOH Guidelines recommend that sub-slab soil vapor samples be collected. Sub-slab samples are an important component used to compare with indoor and outdoor samples in order to evaluate current and potential human exposures (e.g. if the building's structural integrity or use changes) and determine the site-specific attenuation factors, which compares the ratio of indoor air to sub-slab vapor concentrations. Furthermore, it may be prudent for follow-up sampling to be conducted on a periodic basis (such as annual or bi-annual) to ensure these conditions do not change over time. If significant changes occur at the building (increase or decrease HVAC, digging, vibration, etc) the potential for vapor intrusion may increase."*

Soil & Groundwater Contamination Health & Safety Plan, Admiral William F. Halsey Senior Village, 135 Main Street, Poughkeepsie, NY; prepared for Admiral Halsey L.P by Environmental Health Investigations, Inc.; dated July 11, 2007. The report established policy for managing potential exposures to chemicals which exist in low concentrations within the soil and ground water associated with the Admiral William F. Halsey Senior Village property located at 135 Main Street in Poughkeepsie, New York.

Supplemental Investigation of Poughkeepsie Bayeaux Street Site; prepared by Central Hudson & Electric Corporation, July 2006. This report detailed a supplemental investigation conducted following results finding from an August 1990 investigation and well installation. The 2006 investigation consisted of the installation of five soil borings in and around the former MGP structure at the site. Soil and monitoring well borings from 1990 consisted of fill material at various depths ranging from ground surface to approximately 8 feet below ground surface in most areas investigated. The four monitoring wells were installed at the Property to assess water quality in 1990. Based on the results from a 1990 Phase II investigation and 2006 supplemental investigation, conclusions, Central Hudson requested that the NYSDEC delist the former Bayeaux Street site from the Inactive Hazardous Waste Disposal Site Program Registry and abandon all monitoring wells.

Hillmann notes that a Phase II Site Investigation is being conducted by Hillmann concurrently with this Phase I ESA report and will be submitted under separate cover.

### 3.2 User Questionnaire

Section 6 of the ASTM E1527-13 standard describes certain tasks required to be performed by the report User in order to qualify for landowner liability protections to CERCLA liability. To assist the report User to meet these requirements, and as recommended by the ASTM E1527-13 standard, a Questionnaire of inquiries (User Questionnaire) specified in 40 CFR 312.25, 312.28, 312.29, 312.30, and 312.31 has been provided to the original report User. The following is a summary of the User's response:

| Question: | Yes/No: | Detail: |
|---|---|---|
| **Environmental liens that are filed or recorded against the property:** Did a search of recorded land title records identify any environmental liens filed or recorded against the property under federal, tribal, state or local law? | NR | Questionnaire provided to User. Question not answered by User. |
| **Activity and use limitations that are in place on the property or that have been filed or recorded against the property:** Did a search of recorded land title records (or judicial records where appropriate, identify any AULs, such as engineering controls, land use restrictions or institutional controls that are in place at the property and/or have been filed or recorded against the property under federal, tribal, state or local law? | NR | Questionnaire provided to User. Question not answered by User. |
| **Specialized knowledge or experience of the person seeking to qualify for the LLP:** Do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you | Yes | |

| Question: | Yes/No: | Detail: |
|---|---|---|
| would have specialized knowledge of the chemicals and processes used by this type of business? | | |
| **Relationship of the purchase price to the fair market value of the property if it were not contaminated:** Does the purchase price being paid for this property reasonably reflect the fair market value of the property? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property? | NR | Questionnaire provided to User. Question not answered by User. |
| **Commonly Known or Reasonably Ascertainable Information:** Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example, | | |
| -Do you know the past uses of the property? | No | |
| -Do you know of specific chemicals that are present or were once present at the property? | No | |
| -Do you know of spills or other chemical releases that have taken place at the property? | No | |
| -Do you know of any environmental cleanups that have taken place at the property? | No | |
| **The degree of obviousness of the presence or likely presence of contamination at the property, and the ability to detect the contamination by appropriate investigation:** Based on your knowledge and experience related to the property are there any obvious indicators that point to the presence or likely presence of releases at the property? | NR | Questionnaire provided to User. Question not answered by User. |
| **Litigation/Administrative Proceedings/Government Notices** As the User of this ESA, do you have knowledge of (1) any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the property; (2) any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on or from the property; and (3) any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products. | No | Questionnaire provided to User. Question not answered by User. |

*NR-no response*

## 3.3 Reason for Performing Phase I ESA

The User did not indicate the purpose of the assessment. Hillmann assumes that the Phase I ESA was being performed in order to qualify for landowner liability protection to CERCLA liability.

# 4.0 RECORDS REVIEW

## 4.1 Physical Setting Sources

The following physical setting sources were reviewed:

| Source | Discussion |
|---|---|
| USGS 7.5 minute Topographic Map Data: (EDR Geocheck-Physical Setting Source Addendum) | The Property lies at an elevation of approximately 112 feet above mean sea level on the New York 7.5 Minute Series Topographic Quadrangle map. The terrain at the Property is generally flat with a regional trend that slopes slightly downward to the west. The closest down gradient waster body is the Hudson River approximately 1,900 away to the west. |
| USDA SCS Soil Data: (EDR Geocheck-Physical Setting Source Addendum) | The soil type at the Property is classified as "Udorthents". The Udorthents designation is characterized by a gravelly loam surface texture and is well drained with an intermediate water holding capacity. |
| Geologic Data: (EDR Geocheck-Physical Setting Source Addendum) | The Property is underlain by a stratified sequence of materials of the Paleozoic Era., Ordovician System and Middle Ordovician Series. The depth to bedrock is typically greater than 60 inches below ground surface. |
| Wetlands Data: (EDR Geocheck-Physical Setting Source Addendum) | The EDR Geocheck Physical Setting Source addendum depicted no state or federal (NWI) mapped wetlands at the Property. |
| Additional Sources/ Data: | NA |
| Groundwater Flow Discussion: | Based on a review of the above information as well as past subsurface investigations at the Property, the direction of shallow groundwater flow at the site is inferred to be generally from east to west. |

## 4.2 Historical Use – Property and Adjoining Properties

Hillmann has conducted research in order to help identify the likelihood of past uses having led to recognized environmental conditions in connection with the Property. Standard historical sources have been sought in an attempt to document the past uses of the Property as far back as it can be shown that the Property contained structures; or from the time the Property was first used for residential, agricultural, commercial, industrial or governmental purposes.

### 4.2.1 Fire Insurance Maps

Hillmann obtained a Certified Sanborn Map Report from EDR in order to research published historic fire insurance maps for the Property and surrounding area. A copy of the report is included in Appendix D. The following is a summary of site use information interpreted from a review of the report: The property is not shown in the 1984 Sanborn Map.

| Year(s) | Description | |
|---|---|---|
| 1887 | **Property** | The Property is developed along Main Street in the southern portion and southwest along Bayeaux Street with various commercial stores and businesses. The central of the property is developed with pottery maker including a coal shed. The northern portion of the property is a developed with portions of the Poughkeepsie Gas Light company, a manufactured gas plant. An iron gas holder is depicted at the northeast corner of the site. |

| Year(s) | Description | |
|---|---|---|
| | **Adjoining Properties** | The adjoining properties are depicted with a school house to the north; developed residential dwellings and vacant building to the west; developed commercial businesses to the south including drugstore, grocery, butcher, carpeting and wall paper shop, and laundry facility; developed commercial businesses to the southeast, and portions of the Poughkeepsie Gas Light Company to the northeast. |
| 1895 | **Property** | The Property is depicted as developed with commercials business to the south along Main Street and southwestern portion along Bayeaux Street, in the central portion with a factory for stone, earthenware and piping; and the buried foundation of manufactured gas tank on the northern portion. |
| | **Adjoining Properties** | No significant changes. |
| 1913 | **Property** | The Property is depicted as developed in the southern portion along Main Street and southwestern portion along Bayeaux Street with commercial business. Central portion of the property along Bayeaux Street depicts a gas and electric store. The Poughkeepsie Gas Light Company is no longer depicted. |
| | **Adjoining Properties** | The adjoining property to the north of the site is depicted as a tenement. A gasometer labeled as "Not Used) is depicted in the northwest. No other significant changes. |
| 1950 | **Property** | Bayeaux Street is now named North Perry Street. The Property is depicted as developed in the southern portion along Main Street and southwestern portion along North Perry Street with commercial business. Central portion of the property along North Perry Street depicts a poultry market and vacant building. The northern portion of the property depicts a private garage for automobiles and "J. Schrauths Sons Inc." is labeled across the north portion. |
| | **Adjoining Properties** | The adjoining property to the north of the site is depicted as vacant and boarded up. A scrap metal yard is depicted adjoining to the northwest. No other significant changes. |
| 1952 | **Property** | The garage structure at the northern portion of the Property is now labeled as an ice cream distribution warehouse instead of a private garage. A buried gasoline tank is depicted adjacent to the southeast corner of the garage. No other significant changes. |
| | **Adjoining Properties** | No other significant changes. |
| 1990 | **Property** | The Property is depicted with the Admiral William F Halsey Senior village for housing at the southern end and the remaining portion of the site with no improvements. |
| | **Adjoining Properties** | The adjoining properties are depicted as developed with a parking lot to the southwest with commercial businesses and apartments, northwest and east adjoining depicts multifamily residential dwellings. The north adjoining property is depicted as a playground. The southern adjoining properties are depicted as vacant lots. |

### 4.2.2 City Directories

Hillmann obtained an EDR City Directory Abstract report to review data of historic occupants of the Property's street address. The following is a generalized summary of the findings of City Directory Research for past occupants of the Property, indicating occupants and the years indicated by the listings.

| Property | |
|---|---|
| **Occupant(s)** | **Appr. Date Range** |
| Residential and Commercial Listings (127-149 Main Street) | 1942 - 1970 |
| Self Service Laundry (145 Main Street) | 1963 |
| Disabled American Veterans | 2000 |

| | |
|---|---|
| Residential occupants of Admiral Williams F Halsey Senior Village (135 Main Street) | 1980-1992, 2005-2014 |

Hillmann also reviewed the EDR City Directory Abstract report for listings of historic occupants of the adjoining properties. The following is a general summary of listings of historic adjoining property occupants:

| Adjoining Properties | | |
|---|---|---|
| **Address(es)** | **Historic Occupant(s)** | **Appr. Date Range** |
| 130-150 Main Street | Various Residential and commercial listings including a motor vehicle bureau, funeral home, plumbing supply store | 1942 – 1975 |
| 138-140 Main Street | Commercial listings including Irene Development Corp and River Valley Realty Corp, Peter J Liepmann MD LLC, & River Valley Care Center Inc | 2000-2014 |
| 98-128 Main Street | Residential and Commercial listings including shoe repair, electronic store, restaurant, motor cycle repair shop, fruit market, linen supply company | 1942 – 1980 |
| 110-116 Main Street | Various commercial listings including Ackerman Quinn Financial Services, Poughkeepsie Chamber of Commerce, Alternative Environmental Services, Marshall & Sterling Inc., etc. | 1992-2014 |
| 113-125 Main Street | Residential and Commercial listings including a tavern, janitor supply | 1942-1975 |
| 113-115 Main Street | Residential and Commercial listing including Milanese Restaurant | 1975-2014 |
| 157 - 161 Main Street | Residential Listing | 2010- 2014 |
| 12-42 North Perry Street | Residential listings | 1942-2000 |

### 4.2.3 Historical Topographic Map Review

Due to the availability of alternate historic sources, as well as the likelihood that this source would not provide any significant data, historical topographic maps were not researched for this assessment.

### 4.2.4 Aerial Photograph Review

Due to the availability of alternate historic sources, as well as the likelihood that this source would not provide any significant data, historical topographic maps were not researched for this assessment.

### 4.2.5 EDR High-Risk Historical Records

The EDR Radius Map™ report, which will be discussed in greater detail in Section 4.3, provided a search of proprietary databases of potential historical high-risk uses at or in the vicinity of the Property. These databases include EDR Historic Cleaners – a database of property addresses with records of historical occupancy by suspected cleaners businesses; EDR Historic Auto – a database of property addresses with records of historical occupancy by potential automotive gas/filling stations and repair facilities; and EDR MGP- a database of sites historically occupied by manufactured gas plants and related facilities.

| | |
|---|---|
| EDR Historic Cleaners | No on-site or adjoining listings identified. |
| EDR Historic Auto | No on-site or adjoining listings identified. |

| | |
|---|---|
| EDR MGP | The Property is listed as a former MGP from as early as 1887 through approximately 1911.<br><br>Two additional MGP listings are identified within 1-mile search distance. One MGP site is located approximately 2,041 feet to the south-southwest of the Property. The second MGP site is located approximately 2,243 feet to the northwest of the Property. |

### 4.2.6 Petroleum/Natural Gas Well Review

Hillmann reviewed the historical record sources for evidence of historic petroleum and/or natural gas wells at the Property. No record of any historical petroleum/natural gas wells at the Property was identified.

### 4.2.7 Additional Historical Data

No additional prior historical data was reviewed except for the prior Phase I ESA report discussed in Section 3.1.

### 4.2.8 Summary of Identified Historic Uses

The following table presents a summary of the types and approximate timeframes of identified prior uses of the Property:

| **Property** | |
|---|---|
| **Years (Approx.)** | **Use** |
| 1887 to 1913 | Various commercial stores observed to the south of the property along Main street; Central portions of the property observed various commercial business; Northern portion of the property is observed with a manufactured gas plant. |
| 1913 to 1952 | Various commercial properties are observed in the south along Main Street. Central portions of the property is developed with commercial businesses, portions of a dairy and a vacant building; North portion of the property is developed with a private garage for automobiles. |
| Circa 1975 to Present | Senior Citizen Apartment Complex |

The following table presents a summary of the types of identified prior uses of the adjoining properties:

| **Adjoining Properties** | |
|---|---|
| **Years (Approx.)** | **Use** |
| 1887 to present | Residential, commercial, and storage |

### 4.2.9 Historical Records Data Failure

The ASTM E1527-13 standard defines data failure as a failure to achieve the ASTM specified historical research objectives after reviewing the standard historical sources that are reasonably ascertainable and likely to be useful. The objective is to identify all obvious uses of the property from the present, back to the property's first developed use, or back to 1940, whichever is earlier. Furthermore, records of historic use/conditions should be sought in intervals no less than approximately five years, unless the property conditions appear unchanged over a longer interval.

| Objective | Met? | Detail | Significant Data Gap? |
|---|---|---|---|
| First developed use/date determined? | No | The earliest determined uses consisted of a mix of commercial stores/businesses and a manufactured gas plant in 1887. | No |
| Record sources at 5-year intervals back to 1940 or first developed use? | No | Historical record gaps exceeding five years were encountered. However, significant site-use changes or undiscovered site uses appear unlikely to have occurred during the record gaps. | No |
| All obvious prior uses identified? | Yes | See Section 4.2.8. | No |

Please refer to Section 2.3 for additional discussion of data gaps and their significance to the findings of the assessment.

### 4.2.10 Historic Uses REC Discussion

The central and north portions of the property were occupied by portions of a manufactured gas plant, currently known as the CH – Bayeaux Street Poughkeepsie MGP, from approximately the mid-19$^{th}$ to early-20$^{th}$ century. As further described in Section 4.3.1, the former MGP site is listed on the database of New York State Superfund sites and has undergone previous subsurface investigations with NYSDEC oversight due to the potential for subsurface impacts from the historical gas manufacturing operations. According to the NYSDEC published information, following the completions of site investigation work in 1990 and 2006, no significant MGP waste material was found and a NFA status was granted by NYSDEC on March 12, 2007.

The northern half of the Property was occupied by portions of a dairy in the mid-20$^{th}$ century, which included a garage structure and adjoining buried gasoline storage tank depicted by a 1952 historical fire insurance map. The site was redeveloped into the current configuration in the 1970s. Subsurface testing at the Property has not identified by evidence of a petroleum release in the vicinity of the historical UST; however, the disposition of the historical gasoline tank was not determined.

## 4.3 Standard Environmental Record Sources

Hillmann obtained a regulatory database report, titled EDR Radius Map™ Report, from Environmental Data Resources of Shelton, CT. The report provided a search of standard environmental record sources in general accordance with the requirements of the ASTM E1527-13. Hillmann has reviewed the regulatory database report, and a summary of findings has been presented in the following tables and report sections. Hillmann has also reviewed the list of unmapped sites (a.k.a. "Orphan List" sites). Unmapped sites identified as falling within an applicable specific search distance or warranting discussion in the report, if any, have been included in the information presented below. Detailed descriptions of the meaning and significance of the regulatory databases can be found in the regulatory database report in Appendix E.

| Regulatory Database | Search Distance | Property Listed? | Adj. Properties Listed? | Total Listings Within Search Distance |
|---|---|---|---|---|
| Fed. NPL/Proposed NPL | 1-mile | No | No | 1 |
| Fed. Delisted NPL | ½-mile | No | No | 0 |
| Fed. SEMS | ½-mile | No | No | 1 |
| Fed. SEMS-ARCHIVE | ½-mile | No | No | 2 |
| Fed. RCRA CORRACTS | 1-mile | No | No | 0 |
| Fed. RCRA TSD | ½-mile | No | No | 0 |
| Fed. RCRA LQG | Site & Adj. | No | No | |
| Fed. RCRA SQG | Site & Adj. | No | No | |
| Fed. RCRA CESQG | Site & Adj. | No | No | |
| Fed. ENG Control List | Site | No | | |
| Fed. INST Control List | Site | No | | |
| Fed. ERNS | Site | No | | |
| State/Tribal Hazardous Waste Site | 1-mile | No | No | 4 |
| State/Tribal Landfill/Solid Waste | ½-mile | No | No | 1 |
| State/Tribal Leaking Storage Tanks | ½-mile | No | No | 24 |
| State/Tribal Registered Storage Tanks | Site & Adj. | No | Yes | |
| State/Tribal Eng. Control List | Site | No | | |
| State/Tribal Inst. Control List | Site | No | | |
| State/Tribal Voluntary Cleanup Sites | ½-mile | No | No | 1 |
| State/Tribal Brownfields | ½-mile | No | No | 3 |
| Supplemental Regulatory Databases | Site & Adj. | No | Yes | |

### 4.3.1 Property Listings

The following Property listings were identified:

- UST/AST – Admiral William F. Halsey Senior Village, 135 Main Street: According to the database, a 10,000-gallon #2 heating oil UST was installed in 1976 and with the status "closed – removed" in 1997. The AST listing indicated a 10,000-gallon #2 heating oil tank installed in 2008 with the status "In Service". No indication of reported spills were noted for either tank. Therefore, the UST/AST listings are not considered to be a REC in connection with the Property.

SHWS/NY HSWDS – CH - Bayeaux Street Poughkeepsie MGP, Main Street and North Perry Street: The HSWDS listing reflected information dated 2003 that the former Bayeaux Street MGP was listed as a potential hazardous waste disposal site. Although not listed by EDR on the SHWS database, a search of the NYSDEC Environmental Site Remediation database listed the former Bayeaux Street MGP (#314071) in the state superfund program with "C" (completed) classification. Further, the database details stated the following:

> *"Site was given a class of R. Decision was made on 3/12/07 to classify as N. Reclassified to C. This was the site of a small MGP on Main Street and North Perry Street in Poughkeepsie. A senior citizens housing development occupies the site today. The site is included in a multi-site Consent Order #D3-0134-89-05 1/12/90. A Site Assessment (PSA) was performed in 1990. No significant MGP waste material was found, and an NFA letter was sent on 03/12/07. As DER's experience with MGP sites grew, a few data gaps were identified in the original PSA. Central Hudson completed additional investigation work in 2006 to more completely cover the full footprint of the site with borings and test pits. The additional work confirmed the original conclusion that no significant MGP waste was present at the site. A letter stating this conclusion was issued on 03/12/07."*

Based on the database details discussed above, these listings are not considered to be a REC in connection with the Property.

### 4.3.2 Adjoining Property Listings

The following adjoining property listings were identified:

- NYSPILLS – NYSDOT Project, 133 Main Street, Spill number 9604735: Although mistakenly listed as adjoining by EDR, the listing is actually for a site located in Carroll (Chautauqua County) , New York and therefore is not a REC in connection with the Property.

- UST, NYSPILLS – River Care Nursing Home, 138-144 Main Street, Spill number 9714354: This site adjoins the Property to the south and is cross gradient based on area topography. The UST listing indicated a 1500-gallon #2 fuel oil UST was installed in 1998 and has been closed by removal. According to the NY Spills listing, contamination was discovered during the removal of a 275 gallon AST from the basement of a demolished building. The spill case was closed on March 26, 1998. Based on the description and regulatory statuses, these listings are not considered to be a REC in connection with the Property.

- NYSPILLS – 115 Main Street, Spill number 9202522: This site adjoins the Property to the west and is down gradient based on area topography. According to the database, an air eliminator truck malfunctioned causing an oil leak to the paved street. Driver applied Speedi-Dri® and confirmed cleanup, and the spill case was closed on June 2, 1992. Based on the description and regulatory status, this listing is not considered to be a REC in connection with the Property.

### 4.3.3 ASTM Search Distance Findings

The following is a summary of the findings of the regulatory database review with regard to sites identified as located within the ASTM specified search distance surrounding the Property. In order to keep this report informative and yet concise, Hillmann has provided a brief discussion of the listed site(s) for each database category that appears most likely to impact the Property based on

distance, topography and/or case status. A copy of the full regulatory database report, including available details of all listed sites, is included in Appendix E.

Note that listings for the following databases, if identified, would be discussed above in Sections 4.3.1 and 4.3.2: Registered Storage Tanks, Federal RCRA Generators, Federal and State INST and ENG Controls, ERNS.)

**Federal NPL:** One (1) NPL listing was identified within a one-mile radius of the Property. The listing named Hudson River PCBs, has no applicable street name and is located approximately 1,800 feet west of the Property and down gradient from the Property. The site is a 40-mile stretch of the Hudson River between Mechanicsville and Fort Edward. General Electric discharged an estimated 1 million pounds of PCBs into that stretch of water. The State has identified 40 hot spots with contaminated sediments greater than 50 parts per million. EPA has prepared a feasibility study and to evaluate alternative remedial actions under CERCLA. EPA approved funding for cleanup and two potential parties responsible for waste associated with this site have been notified. Based on the status, distance and nature of the site, this listing is not considered to be a REC in connection with the Property.

**Federal Delisted NPL:** No DNPL listings were identified within a ½-mile radius of the Property.

**Federal SEMS (formerly CERCLIS):** One (1) SEMS listings was identified within a ½-mile radius of the Property. The listing is named Hudson River PCBs. Please refer to the above section Federal NPL listing for description.

**Federal SEMS-ARCHIVE (former CERC-NFRAP):** Two (2) SEMS-ARCHIVE listings were identified within a ½-mile radius of the Property.

One site, Orchard Place (Qual Krom), 28 Orchard Place, is located approximately 2500-feet to the northeast and higher in elevation relative to the Property. The site was indicated as Removal Only Site (No Site Assessment Work Needed) and is not on the NPL. Based on the distance and status, this listing is not considered to be a REC in connection with the Property.

The other SEMS-Archive site, Bern Colors- 75 North Water Street, is located approximately 1,830 feet to the northwest and is lower in elevation relative to the Property. The site was indicated as Removal Only Site (No Site Assessment Work Needed) and is not on the NPL. Based on the distance and status, this listing is not considered to be a REC in connection with the Property.

**Federal RCRA-CORRACTS:** No CORRACTS listings were identified within a one-mile radius of the Property.

**Federal RCRA-TSD:** No TSD listings were identified within a ½-mile radius of the Property.

**State/Tribal Hazardous Waste Sites:** Four (4) SHWS listings were identified within a one-mile radius of the Property. The closest SHWS site, HRH Lead Abatement Site-55 Garden Street, is located approximately 1,954 feet to the east and up gradient of the Property. The site was listed due to lead abatement activities. Based on distance and nature of the site, this listing is not considered to be a REC in connection with the Property. Based on various factors including

distance, area topography and/or site status, none of the other SHWS listings are considered to be a REC for the Property.

**State/Tribal Landfill/Solid Waste Disposal Sites:** One SWF/LF listings was identified within a ½-mile radius of the Property. The site, G.F Refuse T.S-240 Main Street is located approximately 1,264 feet east-southeast and up gradient from the Property. Current description of the facility is an inactive/ retired transfer station. Based on the distance, description and inactive status, this listing is not considered to be a REC in connection with the Property.

**State/Tribal Leaking Storage Tanks:** Twenty-four (24) LTANKS listings were identified within a ½-mile radius of the Property. All 24 LTANKS sites within ½ mile were indicated to have closed case statuses. The closest LUST listing, Apt. Milanese-111 Main Street-spill number #9312029, is located approximately 225 feet to the west and downgradient of the Property. A tank test failure was reported on January 12, 1994 and the spill case was closed on January 19, 2004. Based on the closed spill case statuses, none of the 24 LTANKS sites identified by EDR within a ½ mile of the Property is considered to be a REC for the Property.

**State/Tribal Voluntary Cleanup Sites:** One (1) VCP listings was identified within a ½-mile radius of the Property. The site, CH-Water St. - Poughkeepsie MGP-North Water Street, is located approximately 2,128 feet to the northwest and down gradient of the Property. According to the database, the former MGP operated from 1911 to 1950, with contaminant of concern coal tar leaking from the storage vessels and piping and still present in the subsurface. Some tars continually to discharge into the Hudson River sporadically. Several environmental investigations indicated coal tar contains high levels of dissolved BTEX, PAH and metal compounds that has impacted the subsurface of the site, bedrock and Hudson River. Based on the active investigation, the flow of contamination towards the Hudson River, elevation and distance from the Property, this listing is not considered a REC in connection of the Property.

**State/Tribal Brownfields:** Four (4) BROWNFIELDS listings were identified within a ½-mile radius of the Property. The closest BROWNFIELDS site, Queen City Lofts, 178-182 Main Street, is located approximately 311 feet to the east-southeast and up gradient of the Property. According to the database, the site was used for various industrial, commercial and residential purposes including a machine shop and laundry facility from as early as 1887 until the mid-1980s. Contamination was identified during a subsurface investigation attributed to historic fill and two USTs. Contamination is documented to be contained within the site boundaries. Based on the subsurface investigation and no contamination leaching offsite, this listing is not considered to be a REC in connection with the Property. Based on various factors including distance, area topography and/or site status, none of the other BROWNFIELDS listings are considered to be a REC for the Property.

Review of the sites identified within the ASTM search parameters did not identify any nearby or surrounding area sites that are considered to be a REC in connection with the Property, unless as discussed otherwise previously in this section.

### 4.3.4 Tier I Vapor Encroachment Screening

Hillmann reviewed adjoining and vicinity database sites to identify potential off-site sources of sub-surface vapor encroachment. This review was based upon the current ASTM "Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions" (ASTM E 2600-15); and also utilizing the "Methodology for Identifying the Area of Concern Around a Property Potentially Impacted by Vapor Migration from Nearby Contaminated Sources" (Buonicore, 2011-S-103-AWMA). Vicinity database sites pertaining to non-petroleum product releases within 1,760 feet of the Property in the up-gradient direction, 365 feet of the Property in the cross gradient direction and 100 feet of the Property in the down gradient direction; and vicinity database sites pertaining to petroleum product releases within 528 feet of the Property in the up-gradient direction, 165 feet of the Property in the cross gradient direction and 100 feet of the Property in the down gradient direction were reviewed to identify active contamination sites with the potential to affect subsurface vapor conditions at the subject property. The potential for vapor encroachment was considered in assessing whether or not a REC exists in connection with the Property when reviewing applicable sites within those distances.

Hillmann did not identify sites with active petroleum or non-petroleum releases within the search criteria specified in the preceding paragraph that are considered to be RECs due to a risk of vapor encroachment. Additional discussion, where applicable, has been provided in Sections 4.3.2 and 4.3.3.

## 4.4 Additional Environmental Record Sources

### 4.4.1 Supplemental Database Listings

Hillmann reviewed the regulatory database report for listings on supplemental databases that were searched in addition to the Standard Environmental Record Sources. Any property or adjoining property listings on such databases, if identified, would be discussed in Section 4.3.1 and 4.3.2. None of the other supplemental database listings identified by the regulatory database report are considered to be a REC in connection with the Property.

### 4.4.2 Local Agency & Internet Research

Hillmann has submitted requests to local and municipal agencies for pertinent records pertaining to the Property, particularly with regard to potential environmental concerns such as petroleum storage tanks, storage and usage of hazardous substances and petroleum products, and/or known or suspected environmental contamination. Hillmann also conducted online research of government environmental regulatory databases where available, as well as a general cursory internet search of the Property address, for information indicative of a REC. The following table summarizes the findings of the research:

| Source | Type of Request | Outcome |
|---|---|---|
| City of Poughkeepsie | FOI | A response was received indicating building department records were available however as of the date of this report no records have been received. |
| Dutchess County | FOI | A response was received indicating no records were found. |

| Source | Type of Request | Outcome |
|---|---|---|
| New York State Department of Environmental Conservation | FOI | A response was received indicating no records were found. |
| USEPA Envirofacts search http://www.epa.gov/enviro/index.html | Internet Search | The Property addresses were searched. No information indicative of a REC was identified. |
| www.google.com | Internet Search | The Property addresses were searched. No information indicative of a REC was identified. |
| Other: | | |

# 5.0 SITE RECONNAISSANCE

## 5.1 Methodology and Limiting Conditions

The site reconnaissance consisted of visual and/or physical observations of the Property and improvements, adjoining properties as viewed from the Property boundaries and the surrounding area based on visual observations from adjoining public thoroughfares. Building exteriors were observed at ground level, unless otherwise indicated. Where applicable, Hillmann accessed and observed representative areas of building interiors to the extent they were made safely accessible with the cooperation of the site escort.

| | |
|---|---|
| **Site Inspection Personnel:** | Mr. Ryan K Powell |
| **Property Escort/Company:** | Mr. Robert Poppo |
| **Inspection Date:** | March 20, 2019 |
| **Weather Conditions:** | Clear, 50 degrees F |

### 5.1.1 Significant Inaccessible Areas

Hillmann is not aware of any significant areas of the Property that were inaccessible at the time of the inspection.

## 5.2 General Site Setting

### 5.2.1 Site and Vicinity Characteristics

The Property is approximately 2.20-acre in size and located on the north side of Main Street and east of North Perry Street. The site is east of North Perry Street and west of North Bridge Street. The lot is improved with an existing 13 story senior apartment building in the southern portion of the property with landscaped area to the north.

### 5.2.2 Topographic Characteristics

The terrain of the Property appeared to be relatively flat. No natural surface water bodies were noted at the Property.

### 5.2.3 General Description of Structures

A 13-story senior apartment building is located on the southern portion of the property. Several additional outbuildings were observed on the property including two storage sheds, gazebo, and brick enclosure that houses a 10,000 gallon capacity heating oil AST.

### 5.2.4 Sources of Heating and Cooling

The Property is heated by a two natural gas-fired boiler system located in the sub-basement. Ground floor of building utilized forced air for heating and cooling. Upper floors containing apartments

utilize baseboard heat. Cooling for upper floor apartments are provided by mobile/window air conditioning units.

### 5.2.5 Potable Water Source/Sewage Disposal System

The Property is currently serviced by water or sewer by the City of Poughkeepsie.

### 5.2.6 Current Use(s) of the Property

The Property is currently utilized as a senior housing complex.

### 5.2.7 Past Use(s) of the Property

No obvious indication of past Property usage likely to have involved the use, treatment, storage, disposal or generation of hazardous substances or petroleum products was observed at the time of the site visit. Please refer to Section 4.2 for findings of historical site use research.

### 5.2.8 Current Use(s) of the Adjoining Properties

The following table describes the current uses of the adjoining properties:

| Dir | Street Address | Description |
|---|---|---|
| **N** | 31-35 North Perry Street | City Park |
| **NW** | 20 North Perry Street | Apartment Complex (Residential Multifamily) |
| **W** | 115 Main Street | Milanese Restaurant w/ asphalt parking lot |
| **SW** | 110 Main Street | Marshall & Sterling Insurance |
| **S** | 140 Main Street | The Grand Rehabilitation & Nursing at River Valley |
| **E** | 20 North Bridge Street | Bridge Park Apartments (Residential Multifamily) |

No visual observations indicative of a potential environmental concern were noted on the adjoining properties.

### 5.2.9 Past Use(s) of the Adjoining Properties

No indication of past uses of the adjoining properties was noted at the time of the site visit. Please refer to Section 4.2 for the findings of historical site use research.

### 5.2.10 Current/Past Uses of Surrounding Area

The vicinity of the Property consists primarily of residential and commercial. No indications of past Property uses that differ substantially from current conditions were observed at the time of the site visit.

## 5.3 Interior & Exterior Observations

### 5.3.1 Storage/Usage of Hazardous Substances and Petroleum Products

The following hazardous substances and petroleum products were observed to be stored and used by property occupants:

| Occupant | Substance | Qty/Container Type | Storage Conditions |
|---|---|---|---|
| Admiral Wm. F Halsey Apts | No. 2 Fuel Oil | 10,000 gallon AST | Inside an enclosure with roof |

### 5.3.2 Drums

No drums were observed at the Property.

### 5.3.3 Unidentified Substance Containers

No unidentified containers suspected of containing hazardous substances or petroleum products were noted on the Property.

### 5.3.4 Other Hazardous Substances/Petroleum Products

No other containers of hazardous substances or petroleum products were noted on the Property at the time of the site visit.

### 5.3.5 Bulk Petroleum/Hazardous Material Storage Tanks

The following storage tanks for bulk petroleum or hazardous material storage were identified or reported to be present; or are suspected to be present based on visual observations:

| AST/ UST | Product | Capacity | Construction | Year Installed | Status | Location/Notes |
|---|---|---|---|---|---|---|
| AST | No. 2 Fuel Oil | 10,000 gal | Steel | 2008 | Good | Within sheltered enclosure; no evidence of a release was observed. |
| UST | No. 2 Fuel Oil | 10,000 gal | Steel | 1976 | Closed in place | UST decommissioned in 1997; see UST closure report discussion in Section 3.1 |

Hillmann notes that the potential presence of abandoned USTs and/or associated buried piping at the Property cannot be ruled out. A 1952 Sanborn fire insurance map depicted a buried gasoline on the northeastern portion of the Property. The site was redeveloped into the current configuration in the 1970s. While subsurface testing at the Property has not identified by evidence of a petroleum release in the vicinity of the historical UST, the disposition of the historical gasoline tank was not determined.

### 5.3.6 PCBs in Electrical/Hydraulic Equipment

Hydraulic fluid is used inside the garbage compactor in the garbage compactor room. Based on the

age of the construction, the original equipment may have utilized fluids containing PCBs. No evidence of a significant release was identified.

### 5.3.7 Odors

No strong, unusual or pungent odors were noted on the Property.

### 5.3.8 Pools of Liquid

No standing water or pools of liquid likely to contain hazardous substances or petroleum products were noted at the Property.

### 5.3.9 Interior Stains or Corrosion

No interior stains or corrosion due to hazardous substance/petroleum products spills/releases were observed.

### 5.3.10 Interior Drains/Sumps

No floor drains or sump pits were noted at the Property other than for storm water or sewage management.

### 5.3.11 Exterior Pits/Ponds/Lagoons

No evidence of exterior pits, ponds or lagoons was identified on the Property in connection with waste treatment or disposal.

### 5.3.12 Stained Soil, Pavement/Stressed Vegetation

No stained soil, pavement or stressed vegetation was observed at the Property.

### 5.3.13 On-Site Solid Waste Disposal/Fill Material

No evidence of on-site solid waste dumping was noted at the Property.

### 5.3.14 Wastewater

Storm water runoff generated on-site is discharged into the municipal sewer system. No other waste discharges were noted at the Property.

### 5.3.15 Septic Systems

No indication of a septic system was noted on the Property.

### 5.3.16 Wells

No indication of a well was noted on the Property.

### 5.3.17 Railroad Spurs

No railroad spurs were noted on the Property at the time of the assessment.

# 6.0 INTERVIEWS

## 6.1 Interviews with Past and Present Owners and Occupants

| Subject | Name/Affiliation | Summary |
|---|---|---|
| Property Owner / Representative | Omni / Elizabeth Moronta<br><br>Robert Poppo-porter | Hillmann forwarded an environmental questionnaire to be completed by a representative of the Property. A response was not received prior to report completion. Mr. Poppo was interviewed during the site reconnaissance. In addition, Omni provided several prior environmental report and related documentation, which were previously discussed in Section 3.1. |
| Property Occupants | Not applicable | The Property was fully occupied with tenants and building workers. |
| Past Owners, Occupants, Operators | Not applicable | Past owners/occupants of the Property were not available for interview at the time of the assessment. |
| Owners/Occupants of Adjoining or Nearby Properties | Not applicable | Occupants of adjoining nearby properties were not available for interview during the time of the assessment. |

## 6.2 Interviews with State and/or Local Government Officials

Written and on-line requests for environmental records of the Property from State and Local governmental agencies are detailed in Section 4.4.2.

# 7.0 BUSINESS ENVIRONMENTAL RISKS

In accordance with the contract agreement for this assessment, Hillmann has performed cursory reviews of several potential Business Environmental Risks (also known as "Non-Scope Considerations"). The ASTM E1527-13 standard defines the term business environmental risk (BER) as, *"a risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated in this practice."*

## 7.1 Asbestos-Containing Material (ACM)

The contracted scope of work included a cursory visual screening of the accessed portions of buildings at the Property built prior to 1990 for suspect asbestos containing materials (ACM). The information provided in this section, where applicable, is limited to identification of potential suspect materials and their general condition. This is not intended to be a comprehensive survey for the presence of ACM, and no testing has been conducted.

Suspect ACM observed at the site included floor tile and associated mastics, roofing materials, cover base and associated mastic, gypsum wallboard systems, suspended ceiling panels and thermal systems insulation.

Hillmann was provided with a copy of a prior asbestos survey report titled Asbestos Inspection Survey, Admiral Halsey Senior Housing Complex-135 Main Street, Poughkeepsie, NY; by Environmental Health Investigations, dated May 30, 2007. The survey was indicated to be non-intrusive. Fifty-six samples were collected for asbestos analysis. Identified ACM materials included roofing materials (assumed), floor tile and associated mastic, boiler flue insulation, rope-like boiler gasket and caulking/insulation.

## 7.2 Lead-Based Paint (LBP)

The contracted scope of work included a cursory visual screening of the condition of painted surfaces in the accessed areas of residential buildings/units built prior to 1980. In general, painted surfaces within the apartment units and common areas was observed to be in good overall condition.

Hillmann was provided with a copy of a prior lead paint screening report titled Lead Paint Screening; by Environmental Health Investigations, dated October 9, 2007. See below for the conclusions from the Lead Paint Screening report prepared by EHI:

> *"Based on the results of the screening, no tested paint surfaces were found to contain lead paint. However, many of the wall tiles in the bathrooms throughout the facility tested positive for lead. The wall tiles are not considered a lead painted surface but do contain levels of lead in them greater than or equal to 1.0 mg/cm2. Contractors performing any renovation or demolition activities that will impact the wall tiles creating dust and debris should consult the Operations and Maintenance Plan to determine work practices and proper personal protective equipment."*

### 7.3 Radon

Based on information obtained from data obtained by the US EPA, the Property is located in an area designated by the USEPA with a high potential for radon concentrations that exceed current USEPA action guidelines. Dutchess County is classified as a Zone 1 or 'high risk' area for radon.

Hillmann was provided with a copy of a prior radon testing report titled Radon Testing; by Environmental Health Investigations, dated September 8, 2008. The main office, community room, and boiler room were the sample locations for the radon test. See below for the conclusions from the Lead Paint Screening report prepared by EHI:

> *"The US EPA has set an action level of 4.0 pico Curies per Liter (pCi/L) for a residence. The tests conducted at the Admiral Halsey are all well below the action level. The US EPA maintains a radon information website which includes copies of all publications, at www.epa.gov/iaq/radon."*

### 7.4 Mold/Microbial Damage

A limited cursory visual screening for evidence of significant damage to building materials and finishes as result of moisture intrusion was conducted during the ESA. No mold/microbial growth was not observed.

### 7.5 Wetlands

The EDR Geocheck Physical Setting Source addendum depicted no state or federal (NWI) mapped wetlands on the Property.

# 8.0 REFERENCES

ASTM E1527-13-Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process; ASTM International, 2013

ASTM E12600-15-Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transaction, ASTM International, 2015

EDR Radius Map Report with GeoCheck™, Environmental Data Resources, 2019

EDR City Directory Abstract Report, Environmental Data Resources, 2019

EDR Sanborn Map Report, Environmental Data Resources, 2019

Methodology for Identifying the Area of Concern Around a Property Potentially Impacted by Vapor Migration from Nearby Contaminated Sources; A. Buonicore, 2011

# 9.0 APPENDICES

| | |
|---|---|
| Appendix A | Site Diagram / Vicinity Map |
| Appendix B | Site Photographs |
| Appendix C | Questionnaires / User Provided Information |
| Appendix D | Historical Records Documentation |
| Appendix E | Regulatory Records Documentation |
| Appendix F | Other Documents |
| Appendix G | Project Personnel Qualifications |

HILLMANN
CONSULTING

April 8, 2019

Ms. Elizabeth Moronta
Omni New York LLC
909 Third Avenue, 21st Floor
New York, NY 10022

**Re: Phase II Subsurface Investigation Report**
**135 Main Street**
**Poughkeepsie, NY**
**Hillmann Project #G6-2423**

Dear Ms. Moronta:

As requested, Hillmann Consulting, LLC (Hillmann) conducted a Phase II Subsurface Investigation at 135 Main Street, Poughkeepsie, New York. Based on a previous Phase I Environmental Site Assessment (ESA) completed April 2019, several Controlled Recognized Environmental Conditions (CRECs) were noted at the Property from past investigations and findings including past subsurface investigation and analysis conducted by Hillmann in 2007. The investigation identified semi-volatile organic compounds (SVOCs) and metals in soil and groundwater but was attributed to historic urban material. Historic property use at the Property includes a mid-19 century to early 20th century manufactured gas plant and use of a underground storage tank (UST) for gasoline depicted in a 1952 fire insurance map. A 10,000 gallon underground storage tank (UST) also exists at the Property rear of the current building has been closed in place in 1997.

In addition to the CRECs noted at the Property, the rear landscaped portion of the Property is slated for construction activities. No current RECs were identified in the ESA. This Phase II Investigation was conducted to further assess whether the subsurface soil and groundwater was impacted from historic Property use and excavation and dewatering purposes. This Phase II Subsurface Investigation Report presents the findings and recommendations associated with the investigative activities conducted by Hillmann.

## FIELD ACTIVITIES (MARCH 20, 2019)

Hand auguring and direct push technology (i.e. Geoprobe®) was used to advance eight borings, SB1 through SB8, in potential areas of concern indicated by the Phase I ESA and to classify soil in planned redevelopment activities. Hand auguring was completed from ground surface to 2 feet below ground surface (bgs) with the drilling completing the remainder of the borings. Borings depths were advanced between 6-10 feet bgs. Boring refusal and bedrock was not encountered.

All recovered soil was field screened using visual and olfactory senses as well as a photoionization detector (PID). Soil stratigraphy consisted of mainly fill material in all soil borings; extending from below ground surface to boring termination. A total of eight soil samples were collected with one sample collected per

boring. Field screening of boring of SB1 indicated a mild petroleum odor and soil staining at the 9-10 foot bgs interval with a PID reading at 10.9ppm. Soil boring logs are included on the attached Table 3.

Groundwater was observed in each boring at various depths ranging from 3-5 feet bgs. Three borings (SB1, SB3 and SB8) were converted to temporary well points (TWP) for collection of groundwater. TWP construction consisted of slotted ¾ inch diameter PVC well pipe inserted into the designated boring with the top approximately 1 foot above the ground surface. Prior to purging, static groundwater levels were measured in these areas prior to collection and depth to water ranged from 6.23 - 6.75 bgs. A peristaltic pump with dedicated tubing was utilized to purge groundwater for collection.

Soil and groundwater samples were placed in laboratory approved containers and kept cool during transport to a New York certified laboratory under chain of custody protocol. Samples were analyzed for the Target Analyte List/Target Compound List (TAL/TCL+30) which includes: Volatile Organic Compounds (VOCs) by EPA method 8260 and Semi-Volatile Organic Compounds (SVOCs) by EPA method 8270, pesticides and polychlorinated biphenyls (PCBs) by EPA method 8081 and 8082 and TAL metals by EPA method 6010.

All sampling locations are shown on the attached Figure 1.

## RESULTS

The soil and groundwater samples were compared to the applicable New York State Department of Environmental Conservation's (NYSDEC) Soil Cleanup Objectives (SCOs) for Unrestricted Use (UU) and Restricted-Residential Use (RRU) and Technical & Operational Guidance Series (TOGS) Groundwater Quality Standards (GQS); respectively.

Laboratory results indicated exceedances of VO compound Acetone in soil samples S-5 (0.076 mg/kg) and S-7 (0.6 mg/kg) above the UUSCO standards but below RRUSCO. Three pesticides were in exceedance above the UUSCO but below the RRUSCO in sample S-5 including 4,4'-DDE (0.121 mg/kg), 4,4'-DDT (0.256 mg/kg), and Dieldrin (0.00547 mg/kg).

Metal compound arsenic was detected in exceedance of both UUSCO and RRUSCO in four samples: S-2 (61 mg/kg), S-3 (57.2 mg/kg), S-4 (16.8 mg/kg) and S-6 (21.1 mg/kg). Arsenic was also in exceedance of the UUSCO but below the RRUSCO in sample S-8 (14.1 mg/kg).

Metal compound Copper was identified in soil sample S-6 (53.3 mg/kg), Lead identified in soil sample S-5 (159 mg/kg), and Zinc identified in soil samples S-4 (152 mg/kg) and S-5 (208 mg/kg): all detections were above the UUSCO but below the RRUSCO.

The results of all other analyzed compounds were detected or below the applicable NYSDEC SCOs.

The groundwater samples were compared to the NYSDEC GQS. Several Polycyclic Aromatic Hydrocarbons (PAHs) compounds in samples TWP-1 and TWP-3 and VO compounds in sample TWP-1 were detected in exceedance of the GQS.

TWP-1 PAH compounds in exceedance of the applicable GQS include Benzo(a)anthracene (38 µg/L); Benzo(a)pyrene (29 µg/L); Benzo(b)fluoranthene (22 µg/L); Benzo(k)fluoranthene (23 µg/L), Chrysene (27 µg/L), Fluoranthene (68 µg/L) , and Indeno(1,2,3-cd)pyrene (17 µg/L), Naphthalene (150 µg/L) and Pyrene (58 µg/L). Analyzed VOCs in this location also indicated exceedances above the GQS including 1,2,4-Trimethylbenzene (16 µg/L), 1,3,5-Trimethylbenzene (6.6 µg/L), Benzene (2.7 µg/L), Naphthalene (480 µg/L), o-Xylene (11µg/L), and p/m Xylene (29 µg/L) .

TWP-3 PAH compounds in exceedance of the GWS include Benzo(a)anthracene (2.9 µg/L); Benzo(a)pyrene (3.2 µg/L); Benzo(b)fluoranthene (2.7 µg/L); Benzo(k)fluoranthene (2.6 µg/L), Chrysene (2.8 µg/L), and Indeno(1,2,3-cd)pyrene (2.1 µg/L).

Several metal compounds were detected in exceedance of the GQS in samples TWP-1 and TWP-8. Cyanide was identified in sample TWP-3 (547 µg/L) above the GQS.

A summary of the groundwater results is included as Table 2. Full laboratory data package for both soil and groundwater is including soil as Attachment A.

## CONCLUSIONS AND RECOMMEDATIONS

Laboratory results indicated various exceedances of the Unrestricted Use Soil Cleanup Level but not the Restricted-Residential Soil Cleanup Level. The various detections are suspected as attributed to the historic fill material located on the Property. Arsenic that was the only compound in soil detected above the RRUSCO in several soil samples. The Arsenic detections are suspected as attributed to historic property use as a manufactured gas plant or historic fill material.

During site redevelopment activities, all soil slated for removal off-site should be disposed of in accordance with federal, state and local regulations.

The metals exceedances detected in groundwater are suspected as attributed to turbidity/particulates suspended in groundwater associated with temporary well point installation and not dissolved groundwater contamination. Several of the detected metals including Sodium, Selenium, Magnesium, Beryllium, Silver, and Nickel, are typically naturally occurring/background conditions.

Groundwater results from sample TWP-1 indicated VOC and PAH compounds in exceedance of the GQS. These compounds are indicative of possible petroleum contamination due to recorded PID readings and staining observed in the corresponding soil boring.

During site redevelopment activities, groundwater dewatering, if needed, should be performed in accordance with all federal, state and local regulations.

We thank you for the opportunity to provide you with our services. If you have any questions or comments, please feel free to contact us at any time.

Sincerely,

Hillmann Consulting, LLC

Ryan K. Powell, P.G.
Environmental Scientist

Chris Hirschmann, CHMM
Director, Environmental Services

N

N. PERRY ST

MAIN ST

S-5

S-2

S-1
TWP-1

S-4

S-3
TWP-3

10,000-Gal
AST

S-6

S-7

S-8
TWP-8

0 25 50 100
Feet

**Legend**

- Soil Sample
- Groundwater Sample
- Approximate Property Boundary

Notes:
Property boundary determined from Tax Map provided by Dutchess County ParcelAccess, last updated 2018.
Aerial imagery basemap obtained from GoogleEarth Pro, dated 8/3/2016.
Figure created by JLD Mapping Services LLC.

HILLMANN CONSULTING
1600 Route 22 East, Suite #107
Union, NJ 07083

4/2/2019

**March 20, 2019 Sample Location Map**

Admiral Halsey - New Construction
135 Main Street
Poughkeepsie, Dutchess County, NY

| SIZE | | DWG NO. | REV |
|---|---|---|---|
| 11x17 | | Figure XX | 1 |
| SCALE: 1 in = 50 ft | PROJECT No.: G6-2423 | SHEET | 1 OF 1 |

**Table 1 - Soil Results - VOCs**
**135 Main Street**
**Poughkeepsie, New York**

**Hillmann Consulting, LLC**
**Project #: G6-2423**

**Sample Date: 03/20/2019**

| Target Compounds | Track 1 NYSDEC Unrestricted Use SCO | Track 2 NYSDEC Restricted Residential SCO | S-1 Sample Depth: 5.0-6.0' | | | | S-2 Sample Depth: 5.0-6.0' | | | | S-3 Sample Depth: 5.0-6.0' | | | | S-4 Sample Depth: 5.0-6.0' | | | | S-5 Sample Depth: 5.0-6.0' | | | | S-6 Sample Depth: 5.0-6.0' | | | | S-7 Sample Depth: 3.0-4.0' | | | | S-8 Sample Depth: 5.0-6.0' | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Volatiles (mg/Kg)** | | | Conc | Q | RL | MDL | Conc | Q | RL | MDL | Conc | Q | RL | MDL | Conc | Q | RL | MDL | Conc | Q | RL | MDL | Conc | Q | RL | MDL | Conc | Q | RL | MDL | Conc | Q | RL | MDL |
| 1,1,1,2-Tetrachloroethane | NS | NS | ND | | 0.00043 | 0.00011 | ND | | 0.00049 | 0.00013 | ND | | 0.00066 | 0.00017 | ND | | 0.0006 | 0.00016 | ND | | 0.00057 | 0.00015 | ND | | 0.00051 | 0.00013 | ND | | 0.025 | 0.0065 | ND | | 0.00053 | 0.00014 |
| 1,1,1-Trichloroethane | 0.68 | 100 | ND | | 0.00043 | 0.00014 | ND | | 0.00049 | 0.00016 | ND | | 0.00066 | 0.00022 | ND | | 0.0006 | 0.0002 | ND | | 0.00057 | 0.00019 | ND | | 0.00051 | 0.00017 | ND | | 0.025 | 0.0083 | ND | | 0.00053 | 0.00018 |
| 1,1,2,2-Tetrachloroethane | NS | NS | ND | | 0.00043 | 0.00014 | ND | | 0.00049 | 0.00016 | ND | | 0.00066 | 0.00022 | ND | | 0.0006 | 0.0002 | ND | | 0.00057 | 0.00019 | ND | | 0.00051 | 0.00017 | ND | | 0.025 | 0.0082 | ND | | 0.00053 | 0.00018 |
| 1,1,2-Trichloroethane | NS | NS | ND | | 0.00086 | 0.00023 | ND | | 0.00098 | 0.00026 | ND | | 0.0013 | 0.00035 | ND | | 0.0012 | 0.00032 | ND | | 0.0011 | 0.00031 | ND | | 0.001 | 0.00027 | ND | | 0.05 | 0.013 | ND | | 0.0011 | 0.00028 |
| 1,1-Dichloroethane | 0.27 | 26 | ND | | 0.00086 | 0.00012 | ND | | 0.00098 | 0.00014 | ND | | 0.0013 | 0.00019 | ND | | 0.0012 | 0.00017 | ND | | 0.0011 | 0.00017 | ND | | 0.001 | 0.00015 | ND | | 0.05 | 0.0072 | ND | | 0.0011 | 0.00015 |
| 1,1-Dichloroethene | 0.33 | 100 | ND | | 0.00086 | 0.0002 | ND | | 0.00098 | 0.00023 | ND | | 0.0013 | 0.00031 | ND | | 0.0012 | 0.00028 | ND | | 0.0011 | 0.00027 | ND | | 0.001 | 0.00024 | ND | | 0.05 | 0.012 | ND | | 0.0011 | 0.00025 |
| 1,1-Dichloropropene | NS | NS | ND | | 0.00043 | 0.00014 | ND | | 0.00049 | 0.00016 | ND | | 0.00066 | 0.00021 | ND | | 0.0006 | 0.00019 | ND | | 0.00057 | 0.00018 | ND | | 0.00051 | 0.00016 | ND | | 0.025 | 0.0079 | ND | | 0.00053 | 0.00017 |
| 1,2,3-Trichlorobenzene | NS | NS | ND | | 0.0017 | 0.00028 | ND | | 0.002 | 0.00032 | ND | | 0.0026 | 0.00042 | ND | | 0.0024 | 0.00038 | ND | | 0.0023 | 0.00037 | ND | | 0.002 | 0.00033 | ND | | 0.099 | 0.016 | ND | | 0.0021 | 0.00034 |
| 1,2,3-Trichloropropane | NS | NS | ND | | 0.0017 | 0.00011 | ND | | 0.002 | 0.00012 | ND | | 0.0026 | 0.00017 | ND | | 0.0024 | 0.00015 | ND | | 0.0023 | 0.00014 | ND | | 0.002 | 0.00013 | ND | | 0.099 | 0.0063 | ND | | 0.0021 | 0.00014 |
| 1,2,4,5-Tetramethylbenzene | NS | NS | 0.00016 | J | 0.0017 | 0.00016 | ND | | 0.002 | 0.00019 | ND | | 0.0026 | 0.00025 | ND | | 0.0024 | 0.00023 | ND | | 0.0023 | 0.00022 | ND | | 0.002 | 0.00019 | 0.012 | J | 0.099 | 0.0094 | ND | | 0.0021 | 0.0002 |
| 1,2,4-Trichlorobenzene | NS | NS | ND | | 0.0017 | 0.00023 | ND | | 0.002 | 0.00027 | ND | | 0.0026 | 0.00036 | ND | | 0.0024 | 0.00032 | ND | | 0.0023 | 0.00031 | ND | | 0.002 | 0.00028 | ND | | 0.099 | 0.013 | ND | | 0.0021 | 0.00029 |
| 1,2,4-Trimethylbenzene | 3.6 | 52 | 0.00048 | J | 0.0017 | 0.00029 | ND | | 0.002 | 0.00033 | ND | | 0.0026 | 0.00044 | ND | | 0.0024 | 0.0004 | ND | | 0.0023 | 0.00038 | ND | | 0.002 | 0.00034 | 0.04 | J | 0.099 | 0.016 | ND | | 0.0021 | 0.00036 |
| 1,2-Dibromo-3-chloropropane | NS | NS | ND | | 0.0026 | 0.00086 | ND | | 0.0029 | 0.00098 | ND | | 0.0039 | 0.0013 | ND | | 0.0036 | 0.0012 | ND | | 0.0034 | 0.0011 | ND | | 0.003 | 0.001 | ND | | 0.15 | 0.049 | ND | | 0.0032 | 0.0011 |
| 1,2-Dibromoethane | NS | NS | ND | | 0.00086 | 0.00024 | ND | | 0.00098 | 0.00027 | ND | | 0.0013 | 0.00037 | ND | | 0.0012 | 0.00033 | ND | | 0.0011 | 0.00032 | ND | | 0.001 | 0.00028 | ND | | 0.05 | 0.014 | ND | | 0.0011 | 0.0003 |
| 1,2-Dichlorobenzene | 1.1 | 100 | ND | | 0.0017 | 0.00012 | ND | | 0.002 | 0.00014 | ND | | 0.0026 | 0.00019 | ND | | 0.0024 | 0.00017 | ND | | 0.0023 | 0.00016 | ND | | 0.002 | 0.00014 | ND | | 0.099 | 0.0071 | ND | | 0.0021 | 0.00015 |
| 1,2-Dichloroethane | 0.02 | 3.1 | ND | | 0.00086 | 0.00022 | ND | | 0.00098 | 0.00025 | ND | | 0.0013 | 0.00034 | ND | | 0.0012 | 0.00031 | ND | | 0.0011 | 0.0003 | ND | | 0.001 | 0.00026 | ND | | 0.05 | 0.013 | ND | | 0.0011 | 0.00027 |
| 1,2-Dichloroethene, Total | NS | NS | ND | | 0.00086 | 0.00012 | ND | | 0.00098 | 0.00013 | ND | | 0.0013 | 0.00018 | ND | | 0.0012 | 0.00016 | ND | | 0.0011 | 0.00016 | ND | | 0.001 | 0.00014 | ND | | 0.05 | 0.0068 | ND | | 0.0011 | 0.00014 |
| 1,2-Dichloropropane | NS | NS | ND | | 0.00086 | 0.00011 | ND | | 0.00098 | 0.00012 | ND | | 0.0013 | 0.00016 | ND | | 0.0012 | 0.00015 | ND | | 0.0011 | 0.00014 | ND | | 0.001 | 0.00013 | ND | | 0.05 | 0.0062 | ND | | 0.0011 | 0.00013 |
| 1,3,5-Trimethylbenzene | 8.4 | 52 | ND | | 0.0017 | 0.00016 | ND | | 0.002 | 0.00019 | ND | | 0.0026 | 0.00025 | ND | | 0.0024 | 0.00023 | ND | | 0.0023 | 0.00022 | ND | | 0.002 | 0.0002 | ND | | 0.099 | 0.0096 | ND | | 0.0021 | 0.0002 |
| 1,3-Dichlorobenzene | 2.4 | 49 | ND | | 0.0017 | 0.00013 | ND | | 0.002 | 0.00014 | ND | | 0.0026 | 0.00019 | ND | | 0.0024 | 0.00018 | ND | | 0.0023 | 0.00017 | ND | | 0.002 | 0.00015 | ND | | 0.099 | 0.0073 | ND | | 0.0021 | 0.00016 |
| 1,3-Dichloropropane | NS | NS | ND | | 0.0017 | 0.00014 | ND | | 0.002 | 0.00016 | ND | | 0.0026 | 0.00022 | ND | | 0.0024 | 0.0002 | ND | | 0.0023 | 0.00019 | ND | | 0.002 | 0.00017 | ND | | 0.099 | 0.0083 | ND | | 0.0021 | 0.00018 |
| 1,3-Dichloropropene, Total | NS | NS | ND | | 0.00043 | 0.00014 | ND | | 0.00049 | 0.00015 | ND | | 0.00066 | 0.00021 | ND | | 0.0006 | 0.00019 | ND | | 0.00057 | 0.00018 | ND | | 0.00051 | 0.00016 | ND | | 0.025 | 0.0078 | ND | | 0.00053 | 0.00017 |
| 1,4-Dichlorobenzene | 1.8 | 13 | ND | | 0.0017 | 0.00015 | ND | | 0.002 | 0.00017 | ND | | 0.0026 | 0.00022 | ND | | 0.0024 | 0.0002 | ND | | 0.0023 | 0.0002 | ND | | 0.002 | 0.00017 | ND | | 0.099 | 0.0085 | ND | | 0.0021 | 0.00018 |
| 1,4-Dioxane | 0.1 | 13 | ND | | 0.069 | 0.03 | ND | | 0.078 | 0.034 | ND | | 0.1 | 0.046 | ND | | 0.096 | 0.042 | ND | | 0.092 | 0.04 | ND | | 0.081 | 0.036 | ND | | 4 | 1.7 | ND | | 0.085 | 0.037 |
| 2,2-Dichloropropane | NS | NS | ND | | 0.0017 | 0.00017 | ND | | 0.002 | 0.0002 | ND | | 0.0026 | 0.00026 | ND | | 0.0024 | 0.00024 | ND | | 0.0023 | 0.00023 | ND | | 0.002 | 0.0002 | ND | | 0.099 | 0.01 | ND | | 0.0021 | 0.00022 |
| 2-Butanone | 0.12 | 100 | ND | | 0.0086 | 0.0019 | ND | | 0.0098 | 0.0022 | ND | | 0.013 | 0.0029 | ND | | 0.012 | 0.0026 | ND | | 0.011 | 0.0026 | ND | | 0.01 | 0.0022 | ND | | 0.5 | 0.11 | ND | | 0.011 | 0.0024 |
| 2-Hexanone | NS | NS | ND | | 0.0086 | 0.001 | ND | | 0.0098 | 0.0012 | ND | | 0.013 | 0.0015 | ND | | 0.012 | 0.0014 | ND | | 0.011 | 0.0014 | ND | | 0.01 | 0.0012 | ND | | 0.5 | 0.058 | ND | | 0.011 | 0.0012 |
| 4-Methyl-2-pentanone | NS | NS | ND | | 0.0086 | 0.0011 | ND | | 0.0098 | 0.0012 | ND | | 0.013 | 0.0017 | ND | | 0.012 | 0.0015 | ND | | 0.011 | 0.0015 | ND | | 0.01 | 0.0013 | ND | | 0.5 | 0.063 | ND | | 0.011 | 0.0014 |
| Acetone | 0.05 | 100 | 0.0067 | J | 0.0086 | 0.0041 | ND | | 0.0098 | 0.0047 | 0.013 | | 0.013 | 0.0063 | 0.012 | | 0.012 | 0.0057 | **0.076** | | 0.011 | 0.0055 | 0.0056 | J | 0.01 | 0.0049 | **0.6** | | 0.5 | 0.24 | ND | | 0.011 | 0.0051 |
| Acrylonitrile | NS | NS | ND | | 0.0034 | 0.00099 | ND | | 0.0039 | 0.0011 | ND | | 0.0052 | 0.0015 | ND | | 0.0048 | 0.0014 | ND | | 0.0046 | 0.0013 | ND | | 0.004 | 0.0012 | ND | | 0.2 | 0.057 | ND | | 0.0043 | 0.0012 |
| Benzene | 0.06 | 4.8 | 0.00016 | J | 0.00043 | 0.00014 | ND | | 0.00049 | 0.00016 | ND | | 0.00066 | 0.00022 | ND | | 0.0006 | 0.0002 | ND | | 0.00057 | 0.00019 | ND | | 0.00051 | 0.00017 | 0.053 | | 0.025 | 0.0082 | 0.0008 | | 0.00053 | 0.00018 |
| Bromobenzene | NS | NS | ND | | 0.0017 | 0.00012 | ND | | 0.002 | 0.00014 | ND | | 0.0026 | 0.00019 | ND | | 0.0024 | 0.00017 | ND | | 0.0023 | 0.00017 | ND | | 0.002 | 0.00015 | ND | | 0.099 | 0.0072 | ND | | 0.0021 | 0.00015 |
| Bromochloromethane | NS | NS | ND | | 0.0017 | 0.00018 | ND | | 0.002 | 0.0002 | ND | | 0.0026 | 0.00027 | ND | | 0.0024 | 0.00024 | ND | | 0.0023 | 0.00024 | ND | | 0.002 | 0.00021 | ND | | 0.099 | 0.01 | ND | | 0.0021 | 0.00022 |
| Bromodichloromethane | NS | NS | ND | | 0.00043 | 0.00009 | ND | | 0.00049 | 0.00011 | ND | | 0.00066 | 0.00014 | ND | | 0.0006 | 0.00013 | ND | | 0.00057 | 0.00012 | ND | | 0.00051 | 0.00011 | ND | | 0.025 | 0.0054 | ND | | 0.00053 | 0.00012 |
| Bromoform | NS | NS | ND | | 0.0034 | 0.00021 | ND | | 0.0039 | 0.00024 | ND | | 0.0052 | 0.00032 | ND | | 0.0048 | 0.00029 | ND | | 0.0046 | 0.00028 | ND | | 0.004 | 0.00025 | ND | | 0.2 | 0.012 | ND | | 0.0043 | 0.00026 |
| Bromomethane | NS | NS | ND | | 0.0017 | 0.0005 | ND | | 0.002 | 0.00057 | ND | | 0.0026 | 0.00076 | ND | | 0.0024 | 0.00069 | ND | | 0.0023 | 0.00067 | ND | | 0.002 | 0.00059 | ND | | 0.099 | 0.029 | ND | | 0.0021 | 0.00062 |
| Carbon disulfide | NS | NS | ND | | 0.0086 | 0.0039 | ND | | 0.0098 | 0.0045 | ND | | 0.013 | 0.006 | ND | | 0.012 | 0.0054 | ND | | 0.011 | 0.0052 | ND | | 0.01 | 0.0046 | ND | | 0.5 | 0.22 | ND | | 0.011 | 0.0048 |
| Carbon tetrachloride | 0.76 | 2.4 | ND | | 0.00086 | 0.0002 | ND | | 0.00098 | 0.00022 | ND | | 0.0013 | 0.0003 | ND | | 0.0012 | 0.00027 | ND | | 0.0011 | 0.00026 | ND | | 0.001 | 0.00023 | ND | | 0.05 | 0.011 | ND | | 0.0011 | 0.00024 |
| Chlorobenzene | 1.1 | 100 | ND | | 0.00043 | 0.00011 | ND | | 0.00049 | 0.00012 | ND | | 0.00066 | 0.00017 | ND | | 0.0006 | 0.00015 | ND | | 0.00057 | 0.00014 | ND | | 0.00051 | 0.00013 | ND | | 0.025 | 0.0063 | ND | | 0.00053 | 0.00014 |
| Chloroethane | NS | NS | ND | | 0.0017 | 0.00039 | ND | | 0.002 | 0.00044 | ND | | 0.0026 | 0.00059 | ND | | 0.0024 | 0.00054 | ND | | 0.0023 | 0.00052 | ND | | 0.002 | 0.00046 | ND | | 0.099 | 0.022 | ND | | 0.0021 | 0.00048 |
| Chloroform | 0.37 | 49 | ND | | 0.0013 | 0.00012 | ND | | 0.0015 | 0.00014 | ND | | 0.002 | 0.00018 | ND | | 0.0018 | 0.00017 | ND | | 0.0017 | 0.00016 | ND | | 0.0015 | 0.00014 | ND | | 0.074 | 0.0069 | ND | | 0.0016 | 0.00015 |
| Chloromethane | NS | NS | ND | | 0.0034 | 0.0008 | ND | | 0.0039 | 0.00091 | ND | | 0.0052 | 0.0012 | ND | | 0.0048 | 0.0011 | ND | | 0.0046 | 0.0011 | ND | | 0.004 | 0.00094 | ND | | 0.2 | 0.046 | ND | | 0.0043 | 0.00099 |
| cis-1,2-Dichloroethene | 0.25 | 100 | ND | | 0.00086 | 0.00015 | ND | | 0.00098 | 0.00017 | ND | | 0.0013 | 0.00023 | ND | | 0.0012 | 0.00021 | ND | | 0.0011 | 0.0002 | ND | | 0.001 | 0.00018 | ND | | 0.05 | 0.0087 | ND | | 0.0011 | 0.00019 |
| cis-1,3-Dichloropropene | NS | NS | ND | | 0.00043 | 0.00014 | ND | | 0.00049 | 0.00015 | ND | | 0.00066 | 0.00021 | ND | | 0.0006 | 0.00019 | ND | | 0.00057 | 0.00018 | ND | | 0.00051 | 0.00016 | ND | | 0.025 | 0.0078 | ND | | 0.00053 | 0.00017 |
| Dibromochloromethane | NS | NS | ND | | 0.00086 | 0.00012 | ND | | 0.00098 | 0.00014 | ND | | 0.0013 | 0.00018 | ND | | 0.0012 | 0.00017 | ND | | 0.0011 | 0.00016 | ND | | 0.001 | 0.00014 | ND | | 0.05 | 0.0069 | ND | | 0.0011 | 0.00015 |
| Dibromomethane | NS | NS | ND | | 0.0017 | 0.0002 | ND | | 0.002 | 0.00023 | ND | | 0.0026 | 0.00031 | ND | | 0.0024 | 0.00028 | ND | | 0.0023 | 0.00027 | ND | | 0.002 | 0.00024 | ND | | 0.099 | 0.012 | ND | | 0.0021 | 0.00025 |
| Dichlorodifluoromethane | NS | NS | ND | | 0.0086 | 0.00078 | ND | | 0.0098 | 0.0009 | ND | | 0.013 | 0.0012 | ND | | 0.012 | 0.0011 | ND | | 0.011 | 0.001 | ND | | 0.01 | 0.00093 | ND | | 0.5 | 0.045 | ND | | 0.011 | 0.00097 |
| Ethyl ether | NS | NS | ND | | 0.0017 | 0.00029 | ND | | 0.002 | 0.00033 | ND | | 0.0026 | 0.00045 | ND | | 0.0024 | 0.00041 | ND | | 0.0023 | 0.00039 | ND | | 0.002 | 0.00034 | ND | | 0.099 | 0.017 | ND | | 0.0021 | 0.00036 |
| Ethylbenzene | 1 | 41 | 0.00025 | J | 0.00086 | 0.00012 | ND | | 0.00098 | 0.00014 | ND | | 0.0013 | 0.00018 | ND | | 0.0012 | 0.00017 | ND | | 0.0011 | 0.00016 | ND | | 0.001 | 0.00014 | ND | | 0.05 | 0.007 | ND | | 0.0011 | 0.00015 |
| Hexachlorobutadiene | NS | NS | ND | | 0.0034 | 0.00014 | ND | | 0.0039 | 0.00016 | ND | | 0.0052 | 0.00022 | ND | | 0.0048 | 0.0002 | ND | | 0.0046 | 0.00019 | ND | | 0.004 | 0.00017 | ND | | 0.2 | 0.0084 | ND | | 0.0043 | 0.00018 |
| Isopropylbenzene | NS | NS | ND | | 0.00086 | 0.00009 | ND | | 0.00098 | 0.00011 | ND | | 0.0013 | 0.00014 | ND | | 0.0012 | 0.00013 | ND | | 0.0011 | 0.00012 | ND | | 0.001 | 0.00011 | 0.035 | J | 0.05 | 0.0054 | ND | | 0.0011 | 0.00012 |
| Methyl tert butyl ether | 0.93 | 100 | ND | | 0.0017 | 0.00017 | ND | | 0.002 | 0.0002 | ND | | 0.0026 | 0.00026 | ND | | 0.0024 | 0.00024 | ND | | 0.0023 | 0.00023 | ND | | 0.002 | 0.0002 | ND | | 0.099 | 0.01 | ND | | 0.0021 | 0.00021 |
| Methylene chloride | 0.05 | 100 | ND | | 0.0043 | 0.002 | ND | | 0.0049 | 0.0022 | ND | | 0.0066 | 0.003 | ND | | 0.006 | 0.0027 | ND | | 0.0057 | 0.0026 | ND | | 0.0051 | 0.0023 | ND | | 0.25 | 0.11 | ND | | 0.0053 | 0.0024 |
| Naphthalene | 12 | 100 | 0.0038 | | 0.0034 | 0.00056 | ND | | 0.0039 | 0.00064 | 0.0025 | J | 0.0052 | 0.00085 | ND | | 0.0048 | 0.00078 | ND | | 0.0046 | 0.00075 | ND | | 0.004 | 0.00066 | 0.18 | J | 0.2 | 0.032 | ND | | 0.0043 | 0.00069 |
| n-Butylbenzene | 12 | 100 | ND | | 0.00086 | 0.00014 | ND | | 0.00098 | 0.00016 | ND | | 0.0013 | 0.00022 | ND | | 0.0012 | 0.0002 | ND | | 0.0011 | 0.00019 | ND | | 0.001 | 0.00017 | ND | | 0.05 | 0.0083 | ND | | 0.0011 | 0.00018 |
| n-Propylbenzene | 3.9 | 100 | ND | | 0.00086 | 0.00015 | ND | | 0.00098 | 0.00017 | ND | | 0.0013 | 0.00022 | ND | | 0.0012 | 0.0002 | ND | | 0.0011 | 0.0002 | ND | | 0.001 | 0.00017 | ND | | 0.05 | 0.0085 | ND | | 0.0011 | 0.00018 |
| o-Chlorotoluene | NS | NS | ND | | 0.0017 | 0.00016 | ND | | 0.002 | 0.00019 | ND | | 0.0026 | 0.00025 | ND | | 0.0024 | 0.00023 | ND | | 0.0023 | 0.00022 | ND | | 0.002 | 0.00019 | ND | | 0.099 | 0.0094 | ND | | 0.0021 | 0.0002 |
| o-Xylene | NS | NS | 0.00026 | J | 0.00086 | 0.00025 | ND | | 0.00098 | 0.00028 | ND | | 0.0013 | 0.00038 | ND | | 0.0012 | 0.00035 | ND | | 0.0011 | 0.00033 | ND | | 0.001 | 0.00029 | 0.028 | J | 0.05 | 0.014 | ND | | 0.0011 | 0.00031 |
| p/m-Xylene | NS | NS | 0.00056 | J | 0.0017 | 0.00048 | ND | | 0.002 | 0.00055 | ND | | 0.0026 | 0.00074 | ND | | 0.0024 | 0.00067 | ND | | 0.0023 | 0.00064 | ND | | 0.002 | 0.00057 | 0.03 | J | 0.099 | 0.028 | ND | | 0.0021 | 0.0006 |
| p-Chlorotoluene | NS | NS | ND | | 0.0017 | 0.00009 | ND | | 0.002 | 0.0001 | ND | | 0.0026 | 0.00014 | ND | | 0.0024 | 0.00013 | ND | | 0.0023 | 0.00012 | ND | | 0.002 | 0.00011 | ND | | 0.099 | 0.0053 | ND | | 0.0021 | 0.00012 |
| p-Diethylbenzene | NS | NS | ND | | 0.0017 | 0.00015 | ND | | 0.002 | 0.00017 | ND | | 0.0026 | 0.00023 | ND | | 0.0024 | 0.00021 | ND | | 0.0023 | 0.0002 | ND | | 0.002 | 0.00018 | ND | | 0.099 | 0.0088 | ND | | 0.0021 | 0.00019 |
| p-Ethyltoluene | NS | NS | ND | | 0.0017 | 0.00033 | ND | | 0.002 | 0.00038 | ND | | 0.0026 | 0.0005 | ND | | 0.0024 | 0.00046 | ND | | 0.0023 | 0.00044 | ND | | 0.002 | 0.00039 | ND | | 0.099 | 0.019 | ND | | 0.0021 | 0.00041 |
| p-Isopropyltoluene | NS | NS | ND | | 0.00086 | 0.00009 | ND | | 0.00098 | 0.00011 | ND | | 0.0013 | 0.00014 | ND | | 0.0012 | 0.00013 | ND | | 0.0011 | 0.00012 | ND | | 0.001 | 0.00011 | ND | | 0.05 | 0.0054 | ND | | 0.0011 | 0.00012 |
| sec-Butylbenzene | 11 | 100 | ND | | 0.00086 | 0.00012 | ND | | 0.00098 | 0.00014 | ND | | 0.0013 | 0.00019 | ND | | 0.0012 | 0.00017 | ND | | 0.0011 | 0.00017 | ND | | 0.001 | 0.00015 | ND | | 0.05 | 0.0072 | ND | | 0.0011 | 0.00016 |
| Styrene | NS | NS | ND | | 0.00086 | 0.00017 | ND | | 0.00098 | 0.00019 | ND | | 0.0013 | 0.00026 | ND | | 0.0012 | 0.00023 | ND | | 0.0011 | 0.00022 | ND | | 0.001 | 0.0002 | ND | | 0.05 | 0.0097 | ND | | 0.0011 | 0.00021 |
| tert-Butylbenzene | 5.9 | 100 | ND | | 0.0017 | 0.0001 | ND | | 0.002 | 0.00012 | ND | | 0.0026 | 0.00015 | ND | | 0.0024 | 0.00014 | ND | | 0.0023 | 0.00014 | ND | | 0.002 | 0.00012 | ND | | 0.099 | 0.0058 | ND | | 0.0021 | 0.00012 |
| Tetrachloroethene | 1.3 | 19 | ND | | 0.00043 | 0.00017 | ND | | 0.00049 | 0.00019 | 0.00045 | J | 0.00066 | 0.00026 | ND | | 0.0006 | 0.00023 | 0.00032 | J | 0.00057 | 0.00022 | ND | | 0.00051 | 0.0002 | ND | | 0.025 | 0.0097 | ND | | 0.00053 | 0.00021 |
| Toluene | 0.7 | 100 | ND | | 0.00086 | 0.00047 | ND | | 0.00098 | 0.00053 | ND | | 0.0013 | 0.00071 | ND | | 0.0012 | 0.00065 | ND | | 0.0011 | 0.00062 | ND | | 0.001 | 0.00055 | ND | | 0.05 | 0.027 | ND | | 0.0011 | 0.00058 |
| trans-1,2-Dichloroethene | 0.19 | 100 | ND | | 0.0013 | 0.00012 | ND | | 0.0015 | 0.00013 | ND | | 0.002 | 0.00018 | ND | | 0.0018 | 0.00016 | ND | | 0.0017 | 0.00016 | ND | | 0.0015 | 0.00014 | ND | | 0.074 | 0.0068 | ND | | 0.0016 | 0.00014 |
| trans-1,3-Dichloropropene | NS | NS | ND | | 0.00086 | 0.00023 | ND | | 0.00098 | 0.00027 | ND | | 0.0013 | 0.00036 | ND | | 0.0012 | 0.00033 | ND | | 0.0011 | 0.00031 | ND | | 0.001 | 0.00028 | ND | | 0.05 | 0.014 | ND | | 0.0011 | 0.00029 |
| trans-1,4-Dichloro-2-butene | NS | NS | ND | | 0.0043 | 0.0012 | ND | | 0.0049 | 0.0014 | ND | | 0.0066 | 0.0019 | ND | | 0.006 | 0.0017 | ND | | 0.0057 | 0.0014 | ND | | 0.0051 | 0.0014 | ND | | 0.25 | 0.07 | ND | | 0.0053 | 0.0015 |
| Trichloroethene | 0.47 | 21 | ND | | 0.00043 | 0.00012 | ND | | 0.00049 | 0.00013 | ND | | 0.00066 | 0.00018 | ND | | 0.0006 | 0.00016 | ND | | 0.00057 | 0.00016 | ND | | 0.00051 | 0.00014 | ND | | 0.025 | 0.0068 | ND | | 0.00053 | 0.00014 |
| Trichlorofluoromethane | NS | NS | ND | | 0.0034 | 0.0006 | ND | | 0.0039 | 0.00068 | ND | | 0.0052 | 0.00091 | ND | | 0.0048 | 0.00083 | ND | | 0.0046 | 0.0008 | ND | | 0.004 | 0.0007 | ND | | 0.2 | 0.034 | ND | | 0.0043 | 0.00074 |
| Vinyl acetate | NS | NS | ND | | 0.0086 | 0.0018 | ND | | 0.0098 | 0.0021 | ND | | 0.013 | 0.0028 | ND | | 0.012 | 0.0026 | ND | | 0.011 | 0.0025 | ND | | 0.01 | 0.0022 | ND | | 0.5 | 0.11 | ND | | 0.011 | 0.0023 |
| Vinyl chloride | 0.02 | 0.9 | ND | | 0.00086 | 0.00029 | ND | | 0.00098 | 0.00033 | ND | | 0.0013 | 0.00044 | ND | | 0.0012 | 0.0004 | ND | | 0.0011 | 0.00038 | ND | | 0.001 | 0.00034 | ND | | 0.05 | 0.016 | ND | | 0.0011 | 0.00036 |
| Xylenes, Total | 0.26 | 100 | 0.00082 | J | 0.00086 | 0.00025 | ND | | 0.00098 | 0.00028 | ND | | 0.0013 | 0.00038 | ND | | 0.0012 | 0.00035 | ND | | 0.0011 | 0.00033 | ND | | 0.001 | 0.00029 | 0.058 | J | 0.05 | 0.014 | ND | | 0.0011 | 0.00031 |
| Total VOCs | NS | NS | 0.01237 | - | - | - | - | - | - | - | 0.01595 | - | - | - | 0.012 | - | - | - | 0.07632 | - | - | - | 0.0056 | - | - | - | 0.978 | - | - | - | 0.0008 | - | - | - |

**Results in Yellow Highlight displays exceedance above the UUSCO regulatory standard**
**Results in Green Highlight displays exceedance above both UUSCO & RRUSCO regulatory standard**
**J = Concentration detected at a value below the RL and above the MDL for target compounds**
**P = The RPD between the results for the two columns exceeds the method-specified criteria**

**NS = No Standard Available**
**I = The lower value for the two columns has been reported due to obvious interference**
**ND = Analyzed for but Not Detected at the MDL**

**Table 1 (Cont'd) - Soil Results - SVOCs**
**135 Main Street**
**Poughkeepsie, New York**

**Hillmann Consulting, LLC**
**Project #: G6-2423**

| Target Compounds | Track 1 NYSDEC Unrestricted Use SCO | Track 2 NYSDEC Restricted Residential SCO | S-1 Sample Depth: 5.0-6.0' | | | | S-2 Sample Depth: 5.0-6.0' | | | | S-3 Sample Depth: 5.0-6.0' | | | | S-4 Sample Depth: 5.0-6.0' | | | | S-5 Sample Depth: 5.0-6.0' | | | | S-6 Sample Depth: 5.0-6.0' | | | | S-7 Sample Depth: 3.0-4.0' | | | | S-8 Sample Depth: 5.0-6.0' | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatiles - BNA (mg/Kg)** | | | Conc | Q | RL | MDL | Conc | Q | RL | MDL | Conc | Q | RL | MDL | Conc | Q | RL | MDL | Conc | Q | RL | MDL | Conc | Q | RL | MDL | Conc | Q | RL | MDL | Conc | Q | RL | MDL |
| 1,2,4,5-Tetrachlorobenzene | NS | NS | ND | | 0.19 | 0.02 | ND | | 0.19 | 0.02 | ND | | 0.22 | 0.023 | ND | | 0.2 | 0.021 | ND | | 0.2 | 0.021 | ND | | 0.19 | 0.02 | ND | | 0.18 | 0.019 | ND | | 0.19 | 0.02 |
| 1,2,4-Trichlorobenzene | NS | NS | ND | | 0.19 | 0.022 | ND | | 0.19 | 0.022 | ND | | 0.22 | 0.026 | ND | | 0.2 | 0.023 | ND | | 0.2 | 0.023 | ND | | 0.19 | 0.022 | ND | | 0.18 | 0.021 | ND | | 0.19 | 0.022 |
| 1,2-Dichlorobenzene | 1.1 | 100 | ND | | 0.19 | 0.034 | ND | | 0.19 | 0.034 | ND | | 0.22 | 0.04 | ND | | 0.2 | 0.037 | ND | | 0.2 | 0.036 | ND | | 0.19 | 0.035 | ND | | 0.18 | 0.033 | ND | | 0.19 | 0.034 |
| 1,3-Dichlorobenzene | 2.4 | 49 | ND | | 0.19 | 0.033 | ND | | 0.19 | 0.032 | ND | | 0.22 | 0.039 | ND | | 0.2 | 0.035 | ND | | 0.2 | 0.035 | ND | | 0.19 | 0.033 | ND | | 0.18 | 0.031 | ND | | 0.19 | 0.032 |
| 1,4-Dichlorobenzene | 1.8 | 13 | ND | | 0.19 | 0.034 | ND | | 0.19 | 0.033 | ND | | 0.22 | 0.039 | ND | | 0.2 | 0.036 | ND | | 0.2 | 0.035 | ND | | 0.19 | 0.034 | ND | | 0.18 | 0.032 | ND | | 0.19 | 0.033 |
| 2,4,5-Trichlorophenol | NS | NS | ND | | 0.19 | 0.037 | ND | | 0.19 | 0.036 | ND | | 0.22 | 0.043 | ND | | 0.2 | 0.039 | ND | | 0.2 | 0.039 | ND | | 0.19 | 0.037 | ND | | 0.18 | 0.035 | ND | | 0.19 | 0.036 |
| 2,4,6-Trichlorophenol | NS | NS | ND | | 0.12 | 0.036 | ND | | 0.11 | 0.036 | ND | | 0.13 | 0.043 | ND | | 0.12 | 0.039 | ND | | 0.12 | 0.038 | ND | | 0.12 | 0.036 | ND | | 0.11 | 0.035 | ND | | 0.11 | 0.036 |
| 2,4-Dichlorophenol | NS | NS | ND | | 0.17 | 0.031 | ND | | 0.17 | 0.03 | ND | | 0.2 | 0.036 | ND | | 0.18 | 0.033 | ND | | 0.18 | 0.032 | ND | | 0.17 | 0.031 | ND | | 0.16 | 0.029 | ND | | 0.17 | 0.03 |
| 2,4-Dimethylphenol | NS | NS | ND | | 0.19 | 0.063 | ND | | 0.19 | 0.062 | ND | | 0.22 | 0.074 | ND | | 0.2 | 0.068 | ND | | 0.2 | 0.067 | ND | | 0.19 | 0.064 | ND | | 0.18 | 0.06 | ND | | 0.19 | 0.062 |
| 2,4-Dinitrophenol | NS | NS | ND | | 0.92 | 0.089 | ND | | 0.91 | 0.088 | ND | | 1.1 | 0.1 | ND | | 0.98 | 0.095 | ND | | 0.97 | 0.094 | ND | | 0.92 | 0.09 | ND | | 0.88 | 0.085 | ND | | 0.91 | 0.088 |
| 2,4-Dinitrotoluene | NS | NS | ND | | 0.19 | 0.038 | ND | | 0.19 | 0.038 | ND | | 0.22 | 0.045 | ND | | 0.2 | 0.041 | ND | | 0.2 | 0.04 | ND | | 0.19 | 0.038 | ND | | 0.18 | 0.036 | ND | | 0.19 | 0.038 |
| 2,6-Dinitrotoluene | NS | NS | ND | | 0.19 | 0.033 | ND | | 0.19 | 0.032 | ND | | 0.22 | 0.039 | ND | | 0.2 | 0.035 | ND | | 0.2 | 0.035 | ND | | 0.19 | 0.033 | ND | | 0.18 | 0.031 | ND | | 0.19 | 0.032 |
| 2-Chloronaphthalene | NS | NS | ND | | 0.19 | 0.019 | ND | | 0.19 | 0.019 | ND | | 0.22 | 0.022 | ND | | 0.2 | 0.02 | ND | | 0.2 | 0.02 | ND | | 0.19 | 0.019 | ND | | 0.18 | 0.018 | ND | | 0.19 | 0.019 |
| 2-Chlorophenol | NS | NS | ND | | 0.19 | 0.023 | ND | | 0.19 | 0.022 | ND | | 0.22 | 0.026 | ND | | 0.2 | 0.024 | ND | | 0.2 | 0.024 | ND | | 0.19 | 0.023 | ND | | 0.18 | 0.022 | ND | | 0.19 | 0.022 |
| 2-Methylnaphthalene | NS | NS | ND | | 0.23 | 0.023 | ND | | 0.23 | 0.023 | ND | | 0.27 | 0.027 | ND | | 0.24 | 0.025 | ND | | 0.24 | 0.024 | ND | | 0.23 | 0.023 | 0.064 | J | 0.22 | 0.022 | ND | | 0.23 | 0.023 |
| 2-Methylphenol | 0.33 | 100 | ND | | 0.19 | 0.03 | ND | | 0.19 | 0.029 | ND | | 0.22 | 0.035 | ND | | 0.2 | 0.032 | ND | | 0.2 | 0.031 | ND | | 0.19 | 0.03 | ND | | 0.18 | 0.028 | ND | | 0.19 | 0.029 |
| 2-Nitroaniline | NS | NS | ND | | 0.19 | 0.037 | ND | | 0.19 | 0.036 | ND | | 0.22 | 0.043 | ND | | 0.2 | 0.039 | ND | | 0.2 | 0.039 | ND | | 0.19 | 0.037 | ND | | 0.18 | 0.035 | ND | | 0.19 | 0.036 |
| 2-Nitrophenol | NS | NS | ND | | 0.41 | 0.072 | ND | | 0.41 | 0.071 | ND | | 0.48 | 0.084 | ND | | 0.44 | 0.077 | ND | | 0.44 | 0.076 | ND | | 0.42 | 0.072 | ND | | 0.39 | 0.069 | ND | | 0.41 | 0.071 |
| 3,3'-Dichlorobenzidine | NS | NS | ND | | 0.19 | 0.051 | ND | | 0.19 | 0.05 | ND | | 0.22 | 0.06 | ND | | 0.2 | 0.054 | ND | | 0.2 | 0.054 | ND | | 0.19 | 0.051 | ND | | 0.18 | 0.049 | ND | | 0.19 | 0.05 |
| 3-Methylphenol/4-Methylphenol | 0.33 | 100 | ND | | 0.28 | 0.03 | ND | | 0.27 | 0.03 | ND | | 0.32 | 0.035 | ND | | 0.29 | 0.032 | ND | | 0.29 | 0.032 | ND | | 0.28 | 0.03 | ND | | 0.26 | 0.029 | ND | | 0.27 | 0.03 |
| 3-Nitroaniline | NS | NS | ND | | 0.19 | 0.036 | ND | | 0.19 | 0.036 | ND | | 0.22 | 0.042 | ND | | 0.2 | 0.038 | ND | | 0.2 | 0.038 | ND | | 0.19 | 0.036 | ND | | 0.18 | 0.034 | ND | | 0.19 | 0.036 |
| 4,6-Dinitro-o-cresol | NS | NS | ND | | 0.5 | 0.092 | ND | | 0.49 | 0.091 | ND | | 0.58 | 0.11 | ND | | 0.53 | 0.098 | ND | | 0.53 | 0.097 | ND | | 0.5 | 0.092 | ND | | 0.48 | 0.088 | ND | | 0.49 | 0.091 |
| 4-Bromophenyl phenyl ether | NS | NS | ND | | 0.19 | 0.029 | ND | | 0.19 | 0.029 | ND | | 0.22 | 0.034 | ND | | 0.2 | 0.031 | ND | | 0.2 | 0.031 | ND | | 0.19 | 0.029 | ND | | 0.18 | 0.028 | ND | | 0.19 | 0.029 |
| 4-Chloroaniline | NS | NS | ND | | 0.19 | 0.035 | ND | | 0.19 | 0.034 | ND | | 0.22 | 0.041 | ND | | 0.2 | 0.037 | ND | | 0.2 | 0.037 | ND | | 0.19 | 0.035 | ND | | 0.18 | 0.033 | ND | | 0.19 | 0.034 |
| 4-Chlorophenyl phenyl ether | NS | NS | ND | | 0.19 | 0.02 | ND | | 0.19 | 0.02 | ND | | 0.22 | 0.024 | ND | | 0.2 | 0.022 | ND | | 0.2 | 0.022 | ND | | 0.19 | 0.021 | ND | | 0.18 | 0.02 | ND | | 0.19 | 0.02 |
| 4-Nitroaniline | NS | NS | ND | | 0.19 | 0.079 | ND | | 0.19 | 0.078 | ND | | 0.22 | 0.093 | ND | | 0.2 | 0.085 | ND | | 0.2 | 0.084 | ND | | 0.19 | 0.08 | ND | | 0.18 | 0.076 | ND | | 0.19 | 0.078 |
| 4-Nitrophenol | NS | NS | ND | | 0.27 | 0.078 | ND | | 0.26 | 0.077 | ND | | 0.31 | 0.092 | ND | | 0.29 | 0.083 | ND | | 0.28 | 0.083 | ND | | 0.27 | 0.079 | ND | | 0.26 | 0.074 | ND | | 0.26 | 0.077 |
| Acenaphthene | 20 | 100 | ND | | 0.15 | 0.02 | ND | | 0.15 | 0.02 | ND | | 0.18 | 0.023 | ND | | 0.16 | 0.021 | ND | | 0.16 | 0.021 | ND | | 0.15 | 0.02 | 0.26 | | 0.15 | 0.019 | ND | | 0.15 | 0.02 |
| Acenaphthylene | 100 | 100 | ND | | 0.15 | 0.03 | ND | | 0.15 | 0.029 | ND | | 0.18 | 0.035 | ND | | 0.16 | 0.032 | ND | | 0.16 | 0.031 | ND | | 0.15 | 0.03 | 0.14 | J | 0.15 | 0.028 | ND | | 0.15 | 0.029 |
| Acetophenone | NS | NS | ND | | 0.19 | 0.024 | ND | | 0.19 | 0.023 | ND | | 0.22 | 0.028 | ND | | 0.2 | 0.025 | ND | | 0.2 | 0.025 | ND | | 0.19 | 0.024 | ND | | 0.18 | 0.023 | ND | | 0.19 | 0.023 |
| Anthracene | 100 | 100 | ND | | 0.12 | 0.037 | ND | | 0.11 | 0.037 | ND | | 0.13 | 0.044 | ND | | 0.12 | 0.04 | 0.055 | J | 0.12 | 0.039 | ND | | 0.12 | 0.038 | 0.62 | | 0.11 | 0.036 | ND | | 0.11 | 0.037 |
| Benzo(a)anthracene | 1 | 1 | 0.14 | | 0.12 | 0.022 | ND | | 0.11 | 0.021 | ND | | 0.13 | 0.025 | ND | | 0.12 | 0.023 | 0.084 | J | 0.12 | 0.023 | ND | | 0.12 | 0.022 | 0.89 | | 0.11 | 0.02 | ND | | 0.11 | 0.021 |
| Benzo(a)pyrene | 1 | 1 | 0.18 | | 0.15 | 0.047 | ND | | 0.15 | 0.046 | ND | | 0.18 | 0.055 | ND | | 0.16 | 0.05 | 0.099 | J | 0.16 | 0.049 | ND | | 0.15 | 0.047 | 0.69 | | 0.15 | 0.044 | ND | | 0.15 | 0.046 |
| Benzo(b)fluoranthene | 1 | 1 | 0.19 | | 0.12 | 0.032 | ND | | 0.11 | 0.032 | ND | | 0.13 | 0.038 | ND | | 0.12 | 0.034 | 0.11 | J | 0.12 | 0.034 | ND | | 0.12 | 0.032 | 0.81 | | 0.11 | 0.031 | ND | | 0.11 | 0.032 |
| Benzo(ghi)perylene | 100 | 100 | 0.1 | J | 0.15 | 0.022 | ND | | 0.15 | 0.022 | ND | | 0.18 | 0.026 | ND | | 0.16 | 0.024 | 0.063 | J | 0.16 | 0.024 | ND | | 0.15 | 0.023 | 0.37 | | 0.15 | 0.021 | ND | | 0.15 | 0.022 |
| Benzo(k)fluoranthene | 0.8 | 3.9 | 0.073 | J | 0.12 | 0.031 | ND | | 0.11 | 0.03 | ND | | 0.13 | 0.036 | ND | | 0.12 | 0.033 | 0.041 | J | 0.12 | 0.032 | ND | | 0.12 | 0.031 | 0.28 | | 0.11 | 0.029 | ND | | 0.11 | 0.03 |
| Benzoic Acid | NS | NS | ND | | 0.62 | 0.19 | ND | | 0.61 | 0.19 | ND | | 0.73 | 0.23 | ND | | 0.66 | 0.21 | ND | | 0.66 | 0.2 | ND | | 0.62 | 0.2 | ND | | 0.59 | 0.18 | ND | | 0.61 | 0.19 |
| Benzyl Alcohol | NS | NS | ND | | 0.19 | 0.059 | ND | | 0.19 | 0.058 | ND | | 0.22 | 0.069 | ND | | 0.2 | 0.063 | ND | | 0.2 | 0.062 | ND | | 0.19 | 0.059 | ND | | 0.18 | 0.056 | ND | | 0.19 | 0.058 |
| Biphenyl | NS | NS | ND | | 0.44 | 0.044 | ND | | 0.43 | 0.044 | ND | | 0.51 | 0.052 | ND | | 0.47 | 0.047 | ND | | 0.46 | 0.047 | ND | | 0.44 | 0.045 | ND | | 0.42 | 0.042 | ND | | 0.43 | 0.044 |
| Bis(2-chloroethoxy)methane | NS | NS | ND | | 0.21 | 0.019 | ND | | 0.2 | 0.019 | ND | | 0.24 | 0.022 | ND | | 0.22 | 0.02 | ND | | 0.22 | 0.02 | ND | | 0.21 | 0.019 | ND | | 0.2 | 0.018 | ND | | 0.2 | 0.019 |
| Bis(2-chloroethyl)ether | NS | NS | ND | | 0.17 | 0.026 | ND | | 0.17 | 0.026 | ND | | 0.2 | 0.03 | ND | | 0.18 | 0.028 | ND | | 0.18 | 0.027 | ND | | 0.17 | 0.026 | ND | | 0.16 | 0.025 | ND | | 0.17 | 0.026 |
| Bis(2-chloroisopropyl)ether | NS | NS | ND | | 0.23 | 0.033 | ND | | 0.23 | 0.032 | ND | | 0.27 | 0.038 | ND | | 0.24 | 0.035 | ND | | 0.24 | 0.034 | ND | | 0.23 | 0.033 | ND | | 0.22 | 0.031 | ND | | 0.23 | 0.032 |
| Bis(2-ethylhexyl)phthalate | NS | NS | ND | | 0.19 | 0.066 | ND | | 0.19 | 0.066 | ND | | 0.22 | 0.078 | ND | | 0.2 | 0.071 | ND | | 0.2 | 0.07 | ND | | 0.19 | 0.067 | ND | | 0.18 | 0.063 | ND | | 0.19 | 0.066 |
| Butyl benzyl phthalate | NS | NS | ND | | 0.19 | 0.048 | ND | | 0.19 | 0.048 | ND | | 0.22 | 0.057 | ND | | 0.2 | 0.052 | ND | | 0.2 | 0.051 | ND | | 0.19 | 0.048 | ND | | 0.18 | 0.046 | ND | | 0.19 | 0.048 |
| Carbazole | NS | NS | 0.023 | J | 0.19 | 0.019 | ND | | 0.19 | 0.018 | ND | | 0.22 | 0.022 | ND | | 0.2 | 0.02 | 0.063 | J | 0.2 | 0.02 | ND | | 0.19 | 0.019 | 0.072 | J | 0.18 | 0.018 | ND | | 0.19 | 0.018 |
| Chrysene | 1 | 3.9 | 0.13 | | 0.12 | 0.02 | ND | | 0.11 | 0.02 | ND | | 0.13 | 0.023 | ND | | 0.12 | 0.021 | 0.092 | J | 0.12 | 0.021 | ND | | 0.12 | 0.02 | 0.75 | | 0.11 | 0.019 | ND | | 0.11 | 0.02 |
| Di-n-butylphthalate | 0.33 | 0.33 | 0.033 | J | 0.12 | 0.022 | ND | | 0.11 | 0.022 | ND | | 0.13 | 0.026 | ND | | 0.12 | 0.024 | ND | | 0.12 | 0.023 | ND | | 0.12 | 0.022 | 0.09 | J | 0.11 | 0.021 | ND | | 0.11 | 0.022 |
| Di-n-octylphthalate | 7 | 59 | ND | | 0.19 | 0.018 | ND | | 0.19 | 0.018 | 0.022 | J | 0.22 | 0.021 | ND | | 0.2 | 0.019 | ND | | 0.2 | 0.019 | ND | | 0.19 | 0.018 | 0.07 | J | 0.18 | 0.017 | ND | | 0.19 | 0.018 |
| Dibenzo(a,h)anthracene | NS | NS | ND | | 0.19 | 0.018 | ND | | 0.19 | 0.018 | ND | | 0.22 | 0.021 | ND | | 0.2 | 0.019 | ND | | 0.2 | 0.019 | ND | | 0.19 | 0.018 | ND | | 0.18 | 0.017 | ND | | 0.19 | 0.018 |
| Dibenzofuran | NS | NS | ND | | 0.19 | 0.04 | ND | | 0.19 | 0.04 | ND | | 0.22 | 0.047 | ND | | 0.2 | 0.043 | ND | | 0.2 | 0.042 | ND | | 0.19 | 0.04 | ND | | 0.18 | 0.038 | ND | | 0.19 | 0.04 |
| Diethyl phthalate | NS | NS | ND | | 0.19 | 0.036 | ND | | 0.19 | 0.036 | ND | | 0.22 | 0.043 | ND | | 0.2 | 0.039 | ND | | 0.2 | 0.038 | ND | | 0.19 | 0.036 | ND | | 0.18 | 0.035 | ND | | 0.19 | 0.036 |
| Dimethyl phthalate | NS | NS | ND | | 0.19 | 0.065 | ND | | 0.19 | 0.064 | ND | | 0.22 | 0.076 | ND | | 0.2 | 0.07 | ND | | 0.2 | 0.069 | ND | | 0.19 | 0.066 | ND | | 0.18 | 0.062 | ND | | 0.19 | 0.064 |
| Fluoranthene | 100 | 100 | 0.13 | | 0.12 | 0.022 | ND | | 0.11 | 0.022 | ND | | 0.13 | 0.026 | ND | | 0.12 | 0.023 | 0.11 | J | 0.12 | 0.023 | ND | | 0.12 | 0.022 | 2 | | 0.11 | 0.021 | ND | | 0.11 | 0.022 |
| Fluorene | 30 | 100 | ND | | 0.19 | 0.019 | ND | | 0.19 | 0.018 | ND | | 0.22 | 0.022 | ND | | 0.2 | 0.02 | ND | | 0.2 | 0.02 | ND | | 0.19 | 0.019 | 0.33 | | 0.18 | 0.018 | ND | | 0.19 | 0.018 |
| Hexachlorobenzene | 0.33 | 1.2 | ND | | 0.12 | 0.021 | ND | | 0.11 | 0.021 | ND | | 0.13 | 0.025 | ND | | 0.12 | 0.023 | ND | | 0.12 | 0.023 | ND | | 0.12 | 0.022 | ND | | 0.11 | 0.02 | ND | | 0.11 | 0.021 |
| Hexachlorobutadiene | NS | NS | ND | | 0.19 | 0.028 | ND | | 0.19 | 0.028 | ND | | 0.22 | 0.033 | ND | | 0.2 | 0.03 | ND | | 0.2 | 0.03 | ND | | 0.19 | 0.028 | ND | | 0.18 | 0.027 | ND | | 0.19 | 0.028 |
| Hexachlorocyclopentadiene | NS | NS | ND | | 0.55 | 0.17 | ND | | 0.54 | 0.17 | ND | | 0.64 | 0.2 | ND | | 0.58 | 0.18 | ND | | 0.58 | 0.18 | ND | | 0.55 | 0.17 | ND | | 0.52 | 0.16 | ND | | 0.54 | 0.17 |
| Hexachloroethane | NS | NS | ND | | 0.15 | 0.031 | ND | | 0.15 | 0.031 | ND | | 0.18 | 0.036 | ND | | 0.16 | 0.033 | ND | | 0.16 | 0.033 | ND | | 0.15 | 0.031 | ND | | 0.15 | 0.03 | ND | | 0.15 | 0.031 |
| Indeno(1,2,3-cd)pyrene | 0.5 | 0.5 | 0.1 | J | 0.15 | 0.027 | ND | | 0.15 | 0.026 | ND | | 0.18 | 0.031 | ND | | 0.16 | 0.028 | 0.068 | J | 0.16 | 0.028 | ND | | 0.15 | 0.027 | 0.39 | | 0.15 | 0.025 | ND | | 0.15 | 0.026 |
| Isophorone | NS | NS | ND | | 0.17 | 0.025 | ND | | 0.17 | 0.024 | ND | | 0.2 | 0.029 | ND | | 0.18 | 0.026 | ND | | 0.18 | 0.026 | ND | | 0.17 | 0.025 | ND | | 0.16 | 0.024 | ND | | 0.17 | 0.024 |
| n-Nitrosodi-n-propylamine | 12 | 100 | ND | | 0.19 | 0.03 | ND | | 0.19 | 0.029 | ND | | 0.22 | 0.035 | ND | | 0.2 | 0.032 | ND | | 0.2 | 0.031 | ND | | 0.19 | 0.03 | ND | | 0.18 | 0.028 | ND | | 0.19 | 0.029 |
| Naphthalene | NS | NS | ND | | 0.19 | 0.023 | ND | | 0.19 | 0.023 | 0.1 | J | 0.22 | 0.027 | ND | | 0.2 | 0.025 | 0.026 | J | 0.2 | 0.025 | ND | | 0.19 | 0.023 | 0.8 | | 0.18 | 0.022 | ND | | 0.19 | 0.023 |
| NDPA/DPA | NS | NS | ND | | 0.15 | 0.022 | ND | | 0.15 | 0.022 | ND | | 0.18 | 0.026 | ND | | 0.16 | 0.023 | ND | | 0.16 | 0.023 | ND | | 0.15 | 0.022 | ND | | 0.15 | 0.021 | ND | | 0.15 | 0.022 |
| Nitrobenzene | NS | NS | ND | | 0.17 | 0.028 | ND | | 0.17 | 0.028 | ND | | 0.2 | 0.033 | ND | | 0.18 | 0.03 | ND | | 0.18 | 0.03 | ND | | 0.17 | 0.028 | ND | | 0.16 | 0.027 | ND | | 0.17 | 0.028 |
| p-Chloro-m-cresol | NS | NS | ND | | 0.19 | 0.028 | ND | | 0.19 | 0.028 | ND | | 0.22 | 0.034 | ND | | 0.2 | 0.03 | ND | | 0.2 | 0.03 | ND | | 0.19 | 0.029 | ND | | 0.18 | 0.027 | ND | | 0.19 | 0.028 |
| Pentachlorophenol | 0.8 | 6.7 | ND | | 0.15 | 0.042 | ND | | 0.15 | 0.042 | ND | | 0.18 | 0.049 | ND | | 0.16 | 0.045 | ND | | 0.16 | 0.044 | ND | | 0.15 | 0.042 | ND | | 0.15 | 0.04 | ND | | 0.15 | 0.042 |
| Phenanthrene | 100 | 100 | 0.079 | J | 0.12 | 0.023 | ND | | 0.11 | 0.023 | 0.04 | J | 0.13 | 0.027 | ND | | 0.12 | 0.025 | 0.096 | J | 0.12 | 0.025 | ND | | 0.12 | 0.023 | 1.3 | | 0.11 | 0.022 | ND | | 0.11 | 0.023 |
| Phenol | 0.33 | 100 | ND | | 0.19 | 0.029 | ND | | 0.19 | 0.028 | ND | | 0.22 | 0.034 | ND | | 0.2 | 0.031 | ND | | 0.2 | 0.03 | ND | | 0.19 | 0.029 | ND | | 0.18 | 0.028 | ND | | 0.19 | 0.029 |
| Pyrene | 100 | 100 | 0.12 | | 0.12 | 0.019 | ND | | 0.11 | 0.019 | ND | | 0.13 | 0.022 | ND | | 0.12 | 0.02 | 0.081 | J | 0.12 | 0.02 | ND | | 0.12 | 0.019 | 1.6 | | 0.11 | 0.018 | ND | | 0.11 | 0.019 |
| Total SVOCs | NS | NS | 1.298 | - | - | - | - | - | - | - | 0.162 | - | - | - | - | - | - | - | 0.988 | - | - | - | - | - | - | - | - | - | - | - | 11.526 | - | - | - |

**Results in Yellow Highlight displays exceedance above the UUSCO regulatory standard**
**Results in Green Highlight displays exceedance above both UUSCO & RRUSCO regulatory standard**
**J = Concentration detected at a value below the RL and above the MDL for target compounds**
**P = The RPD between the results for the two columns exceeds the method-specified criteria**

**NS = No Standard Available**
**I = The lower value for the two columns has been reported due to obvious interference**
**ND = Analyzed for but Not Detected at the MDL**

**Table 1 (Cont'd) - Soil Results - PCBs, Pesticides, Metals**
**4519-4523 White Plains Rd.**
**Bronx, New York**

**Hillmann Consulting, LLC**
**Project #: G6-2401**

| Target Compounds | Track 1 NYSDEC Unrestricted Use SCO | Track 2 NYSDEC Restricted Residential SCO | S-1 Sample Depth: 5.0-6.0' | | | | S-2 Sample Depth: 5.0-6.0' | | | | S-3 Sample Depth: 5.0-6.0' | | | | S-4 Sample Depth: 5.0-6.0' | | | | S-5 Sample Depth: 5.0-6.0' | | | | S-6 Sample Depth: 5.0-6.0' | | | | S-7 Sample Depth: 3.0-4.0' | | | | S-8 Sample Depth: 5.0-6.0' | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **PCB's (mg/Kg)** | | | Conc | Q | RL | MDL | Conc | Q | RL | MDL | Conc | Q | RL | MDL | Conc | Q | RL | MDL | Conc | Q | RL | MDL | Conc | Q | RL | MDL | Conc | Q | RL | MDL | Conc | Q | RL | MDL |
| Aroclor 1016 | **0.1** | **1** | ND | | 0.0389 | 0.00345 | ND | | 0.0372 | 0.00331 | ND | | 0.0441 | 0.00392 | ND | | 0.0397 | 0.00352 | ND | | 0.0398 | 0.00354 | ND | | 0.0383 | 0.0034 | ND | | 0.0355 | 0.00315 | ND | | 0.0379 | 0.00337 |
| Aroclor 1221 | **0.1** | **1** | ND | | 0.0389 | 0.0039 | ND | | 0.0372 | 0.00373 | ND | | 0.0441 | 0.00442 | ND | | 0.0397 | 0.00397 | ND | | 0.0398 | 0.00399 | ND | | 0.0383 | 0.00384 | ND | | 0.0355 | 0.00356 | ND | | 0.0379 | 0.0038 |
| Aroclor 1232 | **0.1** | **1** | ND | | 0.0389 | 0.00824 | ND | | 0.0372 | 0.00789 | ND | | 0.0441 | 0.00935 | ND | | 0.0397 | 0.00841 | ND | | 0.0398 | 0.00845 | ND | | 0.0383 | 0.00812 | ND | | 0.0355 | 0.00753 | ND | | 0.0379 | 0.00804 |
| Aroclor 1242 | **0.1** | **1** | ND | | 0.0389 | 0.00524 | ND | | 0.0372 | 0.00502 | ND | | 0.0441 | 0.00595 | ND | | 0.0397 | 0.00535 | ND | | 0.0398 | 0.00537 | ND | | 0.0383 | 0.00517 | ND | | 0.0355 | 0.00479 | ND | | 0.0379 | 0.00511 |
| Aroclor 1248 | **0.1** | **1** | ND | | 0.0389 | 0.00583 | ND | | 0.0372 | 0.00558 | ND | | 0.0441 | 0.00662 | ND | | 0.0397 | 0.00595 | ND | | 0.0398 | 0.00598 | ND | | 0.0383 | 0.00575 | ND | | 0.0355 | 0.00533 | ND | | 0.0379 | 0.00569 |
| Aroclor 1254 | **0.1** | **1** | ND | | 0.0389 | 0.00425 | ND | | 0.0372 | 0.00407 | ND | | 0.0441 | 0.00483 | ND | | 0.0397 | 0.00434 | ND | | 0.0398 | 0.00436 | ND | | 0.0383 | 0.00419 | ND | | 0.0355 | 0.00388 | ND | | 0.0379 | 0.00415 |
| Aroclor 1260 | **0.1** | **1** | ND | | 0.0389 | 0.00718 | ND | | 0.0372 | 0.00688 | ND | | 0.0441 | 0.00815 | ND | | 0.0397 | 0.00733 | 0.017 | J | 0.0398 | 0.00736 | ND | | 0.0383 | 0.00708 | ND | | 0.0355 | 0.00656 | ND | | 0.0379 | 0.00701 |
| Aroclor 1262 | **0.1** | **1** | ND | | 0.0389 | 0.00494 | ND | | 0.0372 | 0.00473 | ND | | 0.0441 | 0.0056 | ND | | 0.0397 | 0.00504 | ND | | 0.0398 | 0.00506 | ND | | 0.0383 | 0.00487 | ND | | 0.0355 | 0.00451 | ND | | 0.0379 | 0.00482 |
| Aroclor 1268 | **0.1** | **1** | ND | | 0.0389 | 0.00403 | ND | | 0.0372 | 0.00386 | ND | | 0.0441 | 0.00457 | ND | | 0.0397 | 0.00411 | 0.0106 | JP | 0.0398 | 0.00413 | ND | | 0.0383 | 0.00397 | ND | | 0.0355 | 0.00368 | ND | | 0.0379 | 0.00393 |
| PCBs, Total | **0.1** | **1** | ND | | 0.0389 | 0.00345 | ND | | 0.0372 | 0.00331 | ND | | 0.0441 | 0.00392 | ND | | 0.0397 | 0.00352 | 0.0276 | J | 0.0398 | 0.00354 | ND | | 0.0383 | 0.0034 | ND | | 0.0355 | 0.00315 | ND | | 0.0379 | 0.00337 |

| Pesticides (mg/Kg) | | | Conc | Q | RL | MDL | Conc | Q | RL | MDL | Conc | Q | RL | MDL | Conc | Q | RL | MDL | Conc | Q | RL | MDL | Conc | Q | RL | MDL | Conc | Q | RL | MDL | Conc | Q | RL | MDL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4,4'-DDD | **0.0033** | **13** | ND | | 0.00184 | 0.000658 | ND | | 0.0018 | 0.000643 | ND | | 0.00212 | 0.000758 | ND | | 0.00194 | 0.00069 | 0.00232 | | 0.00188 | 0.000671 | ND | | 0.00179 | 0.000637 | ND | | 0.0849 | 0.0303 | ND | | 0.00183 | 0.000653 |
| 4,4'-DDE | **0.0033** | **8.9** | ND | | 0.00184 | 0.000426 | ND | | 0.0018 | 0.000417 | ND | | 0.00212 | 0.000492 | ND | | 0.00194 | 0.000448 | **0.121** | | 0.00188 | 0.000435 | ND | | 0.00179 | 0.000413 | ND | | 0.0849 | 0.0196 | ND | | 0.00183 | 0.000423 |
| 4,4'-DDT | **0.0033** | **7.9** | ND | | 0.00346 | 0.00148 | ND | | 0.00338 | 0.00145 | ND | | 0.00398 | 0.00171 | ND | | 0.00363 | 0.00156 | **0.256** | E | 0.00352 | 0.00151 | ND | | 0.00335 | 0.00144 | ND | | 0.159 | 0.0683 | ND | | 0.00343 | 0.00147 |
| Aldrin | **0.005** | **0.097** | ND | | 0.00184 | 0.000649 | ND | | 0.0018 | 0.000634 | ND | | 0.00212 | 0.000748 | ND | | 0.00194 | 0.000682 | ND | | 0.00188 | 0.000662 | ND | | 0.00179 | 0.000629 | ND | | 0.0849 | 0.0299 | ND | | 0.00183 | 0.000645 |
| Alpha-BHC | **0.02** | **0.48** | ND | | 0.000768 | 0.000218 | ND | | 0.000751 | 0.000213 | ND | | 0.000886 | 0.000252 | ND | | 0.000807 | 0.000229 | ND | | 0.000783 | 0.000222 | ND | | 0.000745 | 0.000211 | ND | | 0.0354 | 0.01 | ND | | 0.000763 | 0.000217 |
| Beta-BHC | **0.036** | **0.36** | ND | | 0.00184 | 0.000699 | ND | | 0.0018 | 0.000683 | ND | | 0.00212 | 0.000806 | ND | | 0.00194 | 0.000734 | ND | | 0.00188 | 0.000713 | ND | | 0.00179 | 0.000678 | ND | | 0.0849 | 0.0322 | ND | | 0.00183 | 0.000694 |
| Chlordane | **NS** | **NS** | ND | | 0.015 | 0.00611 | ND | | 0.0146 | 0.00597 | ND | | 0.0173 | 0.00704 | ND | | 0.0157 | 0.00641 | ND | | 0.0153 | 0.00623 | ND | | 0.0145 | 0.00592 | ND | | 0.69 | 0.281 | ND | | 0.0149 | 0.00606 |
| cis-Chlordane | **0.094** | **4.2** | ND | | 0.0023 | 0.000642 | ND | | 0.00225 | 0.000628 | ND | | 0.00266 | 0.00074 | ND | | 0.00242 | 0.000674 | 0.00476 | P | 0.00235 | 0.000655 | ND | | 0.00223 | 0.000622 | ND | | 0.106 | 0.0296 | ND | | 0.00229 | 0.000638 |
| Delta-BHC | **0.04** | **100** | ND | | 0.00184 | 0.000361 | ND | | 0.0018 | 0.000353 | ND | | 0.00212 | 0.000416 | ND | | 0.00194 | 0.000379 | ND | | 0.00188 | 0.000368 | ND | | 0.00179 | 0.00035 | ND | | 0.0849 | 0.0166 | ND | | 0.00183 | 0.000358 |
| Dieldrin | **0.005** | **0.2** | ND | | 0.00115 | 0.000576 | ND | | 0.00113 | 0.000563 | ND | | 0.00133 | 0.000664 | ND | | 0.00121 | 0.000605 | **0.00547** | | 0.00118 | 0.000588 | ND | | 0.00112 | 0.000558 | ND | | 0.053 | 0.0265 | ND | | 0.00114 | 0.000572 |
| Endosulfan I | **2.4** | **24** | ND | | 0.00184 | 0.000436 | ND | | 0.0018 | 0.000426 | ND | | 0.00212 | 0.000502 | ND | | 0.00194 | 0.000457 | ND | | 0.00188 | 0.000444 | ND | | 0.00179 | 0.000422 | ND | | 0.0849 | 0.02 | ND | | 0.00183 | 0.000432 |
| Endosulfan II | **2.4** | **24** | ND | | 0.00184 | 0.000616 | ND | | 0.0018 | 0.000602 | ND | | 0.00212 | 0.00071 | ND | | 0.00194 | 0.000647 | ND | | 0.00188 | 0.000628 | ND | | 0.00179 | 0.000597 | ND | | 0.0849 | 0.0284 | ND | | 0.00183 | 0.000612 |
| Endosulfan sulfate | **2.4** | **24** | ND | | 0.000768 | 0.000366 | ND | | 0.000751 | 0.000357 | ND | | 0.000886 | 0.000422 | ND | | 0.000807 | 0.000384 | ND | | 0.000783 | 0.000373 | ND | | 0.000745 | 0.000354 | ND | | 0.0354 | 0.0168 | ND | | 0.000763 | 0.000363 |
| Endrin | **0.014** | **11** | ND | | 0.000768 | 0.000315 | ND | | 0.000751 | 0.000308 | ND | | 0.000886 | 0.000363 | ND | | 0.000807 | 0.000331 | ND | | 0.000783 | 0.000321 | ND | | 0.000745 | 0.000305 | ND | | 0.0354 | 0.0145 | ND | | 0.000763 | 0.000313 |
| Endrin aldehyde | **NS** | **NS** | ND | | 0.0023 | 0.000807 | ND | | 0.00225 | 0.000788 | ND | | 0.00266 | 0.00093 | ND | | 0.00242 | 0.000847 | ND | | 0.00235 | 0.000823 | ND | | 0.00223 | 0.000782 | ND | | 0.106 | 0.0371 | ND | | 0.00229 | 0.000801 |
| Endrin ketone | **NS** | **NS** | ND | | 0.00184 | 0.000475 | ND | | 0.0018 | 0.000464 | ND | | 0.00212 | 0.000547 | ND | | 0.00194 | 0.000498 | ND | | 0.00188 | 0.000484 | ND | | 0.00179 | 0.00046 | ND | | 0.0849 | 0.0218 | ND | | 0.00183 | 0.000471 |
| Heptachlor | **0.042** | **2.1** | ND | | 0.000922 | 0.000413 | ND | | 0.000901 | 0.000404 | ND | | 0.00106 | 0.000476 | ND | | 0.000968 | 0.000434 | ND | | 0.00094 | 0.000421 | ND | | 0.000894 | 0.000401 | ND | | 0.0424 | 0.019 | ND | | 0.000916 | 0.00041 |
| Heptachlor epoxide | **NS** | **NS** | ND | | 0.00346 | 0.00104 | ND | | 0.00338 | 0.00101 | ND | | 0.00398 | 0.0012 | ND | | 0.00363 | 0.00109 | ND | | 0.00352 | 0.00106 | ND | | 0.00335 | 0.001 | ND | | 0.159 | 0.0478 | ND | | 0.00343 | 0.00103 |
| Lindane | **0.1** | **1.3** | ND | | 0.000768 | 0.000344 | ND | | 0.000751 | 0.000336 | ND | | 0.000886 | 0.000396 | ND | | 0.000807 | 0.00036 | ND | | 0.000783 | 0.00035 | ND | | 0.000745 | 0.000333 | ND | | 0.0354 | 0.0158 | ND | | 0.000763 | 0.000341 |
| Methoxychlor | **NS** | **NS** | ND | | 0.00346 | 0.00108 | ND | | 0.00338 | 0.00105 | ND | | 0.00398 | 0.00124 | ND | | 0.00363 | 0.00113 | ND | | 0.00352 | 0.0011 | ND | | 0.00335 | 0.00104 | ND | | 0.159 | 0.0495 | ND | | 0.00343 | 0.00107 |
| Toxaphene | **NS** | **NS** | ND | | 0.0346 | 0.00968 | ND | | 0.0338 | 0.00946 | ND | | 0.0398 | 0.0112 | ND | | 0.0363 | 0.0102 | ND | | 0.0352 | 0.00987 | ND | | 0.0335 | 0.00938 | ND | | 1.59 | 0.446 | ND | | 0.0343 | 0.00961 |
| trans-Chlordane | **NS** | **NS** | ND | | 0.0023 | 0.000609 | ND | | 0.00225 | 0.000595 | ND | | 0.00266 | 0.000702 | ND | | 0.00242 | 0.000639 | 0.00465 | P | 0.00235 | 0.00062 | ND | | 0.00223 | 0.00059 | ND | | 0.106 | 0.028 | ND | | 0.00229 | 0.000604 |

| Metals (mg/Kg) | | | Conc | Q | RL | MDL | Conc | Q | RL | MDL | Conc | Q | RL | MDL | Conc | Q | RL | MDL | Conc | Q | RL | MDL | Conc | Q | RL | MDL | Conc | Q | RL | MDL | Conc | Q | RL | MDL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aluminum, Total | **NS** | **NS** | 10900 | | 9.44 | 2.55 | 10700 | | 8.7 | 2.35 | 10200 | | 10.6 | 2.85 | 13600 | | 9.64 | 2.6 | 10300 | | 9.45 | 2.55 | 6260 | | 9.11 | 2.46 | 8980 | | 8.57 | 2.31 | 9580 | | 9.12 | 2.46 |
| Antimony, Total | **NS** | **NS** | 0.387 | J | 4.72 | 0.359 | 0.391 | J | 4.35 | 0.33 | 0.676 | J | 5.28 | 0.401 | 1.92 | J | 4.82 | 0.366 | 0.69 | J | 4.73 | 0.359 | ND | | 4.55 | 0.346 | 0.48 | J | 4.29 | 0.326 | 1.06 | J | 4.56 | 0.347 |
| Arsenic, Total | **13** | **16** | 3.96 | | 0.944 | 0.196 | **61** | | 0.87 | 0.181 | **57.2** | | 1.06 | 0.22 | **16.8** | | 0.964 | 0.2 | 6.46 | | 0.945 | 0.197 | **20.1** | | 0.911 | 0.189 | 2.78 | | 0.857 | 0.178 | **14.1** | | 0.912 | 0.19 |
| Barium, Total | **350** | **400** | 31.7 | | 0.944 | 0.164 | 53.3 | | 0.87 | 0.151 | 88.1 | | 1.06 | 0.184 | 48 | | 0.964 | 0.168 | 114 | | 0.945 | 0.164 | 30.6 | | 0.911 | 0.158 | 33 | | 0.857 | 0.149 | 63.9 | | 0.912 | 0.159 |
| Beryllium, Total | **7.2** | **72** | 0.406 | J | 0.472 | 0.031 | 0.435 | | 0.435 | 0.029 | 0.602 | | 0.528 | 0.035 | 0.588 | | 0.482 | 0.032 | 0.293 | J | 0.473 | 0.031 | 0.319 | J | 0.455 | 0.03 | 0.326 | J | 0.429 | 0.028 | 0.511 | | 0.456 | 0.03 |
| Cadmium, Total | **2.5** | **4.3** | 0.236 | J | 0.944 | 0.093 | 0.33 | J | 0.87 | 0.085 | 0.422 | J | 1.06 | 0.103 | 0.607 | J | 0.964 | 0.094 | 0.52 | J | 0.945 | 0.093 | 0.146 | J | 0.911 | 0.089 | 0.248 | J | 0.857 | 0.084 | 0.374 | J | 0.912 | 0.089 |
| Calcium, Total | **NS** | **NS** | 1720 | | 9.44 | 3.3 | 1450 | | 8.7 | 3.04 | 2480 | | 10.6 | 3.69 | 6370 | | 9.64 | 3.37 | 79300 | | 9.45 | 3.31 | 1580 | | 9.11 | 3.19 | 3570 | | 8.57 | 3 | 2820 | | 9.12 | 3.19 |
| Chromium, Total | **NS** | **NS** | 11.7 | | 0.944 | 0.091 | 11.2 | | 0.87 | 0.084 | 11 | | 1.06 | 0.101 | 15.1 | | 0.964 | 0.093 | 20 | | 0.945 | 0.091 | 5.89 | | 0.911 | 0.087 | 9.64 | | 0.857 | 0.082 | 11.9 | | 0.912 | 0.088 |
| Cobalt, Total | **NS** | **NS** | 5.38 | | 1.89 | 0.157 | 8.98 | | 1.74 | 0.144 | 7.01 | | 2.11 | 0.175 | 9.78 | | 1.93 | 0.16 | 7.66 | | 1.89 | 0.157 | 3.35 | | 1.82 | 0.151 | 7.78 | | 1.71 | 0.142 | 11.6 | | 1.82 | 0.151 |
| Copper, Total | **50** | **270** | 16.1 | | 0.944 | 0.244 | 31.6 | | 0.87 | 0.224 | 21.9 | | 1.06 | 0.272 | 49.7 | | 0.964 | 0.249 | 35.2 | | 0.945 | 0.244 | **53.3** | | 0.911 | 0.235 | 22.9 | | 0.857 | 0.221 | 35.6 | | 0.912 | 0.235 |
| Iron, Total | **NS** | **NS** | 22100 | | 4.72 | 0.853 | 22100 | | 4.35 | 0.786 | 26700 | | 5.28 | 0.953 | 34300 | | 4.82 | 0.87 | 23600 | | 4.73 | 0.854 | 9000 | | 4.55 | 0.822 | 19600 | | 4.29 | 0.774 | 24400 | | 4.56 | 0.824 |
| Lead, Total | **63** | **400** | 10.5 | | 4.72 | 0.253 | 23.5 | | 4.35 | 0.233 | 15.5 | | 5.28 | 0.283 | 39.2 | | 4.82 | 0.258 | **159** | | 4.73 | 0.253 | 10.2 | | 4.55 | 0.244 | 27.8 | | 4.29 | 0.23 | 42.2 | | 4.56 | 0.244 |
| Magnesium, Total | **NS** | **NS** | 3180 | | 9.44 | 1.45 | 3400 | | 8.7 | 1.34 | 2040 | | 10.6 | 1.62 | 6630 | | 9.64 | 1.48 | 6340 | | 9.45 | 1.46 | 1080 | | 9.11 | 1.4 | 4250 | | 8.57 | 1.32 | 3440 | | 9.12 | 1.4 |
| Manganese, Total | **1600** | **2000** | 189 | | 0.944 | 0.15 | 781 | | 0.87 | 0.138 | 1440 | | 1.06 | 0.168 | 920 | | 0.964 | 0.153 | 501 | | 0.945 | 0.15 | 112 | | 0.911 | 0.145 | 491 | | 0.857 | 0.136 | 876 | | 0.912 | 0.145 |
| Mercury, Total | **0.18** | **0.81** | ND | | 0.075 | 0.016 | 0.064 | J | 0.073 | 0.015 | ND | | 0.086 | 0.018 | 0.046 | J | 0.079 | 0.017 | 0.075 | J | 0.077 | 0.016 | ND | | 0.074 | 0.016 | 0.035 | J | 0.071 | 0.015 | 0.125 | | 0.073 | 0.016 |
| Nickel, Total | **30** | **310** | 14.1 | | 2.36 | 0.228 | 15.8 | | 2.17 | 0.21 | 11.2 | | 2.64 | 0.255 | 27.5 | | 2.41 | 0.233 | 21.6 | | 2.36 | 0.229 | 6.13 | | 2.28 | 0.22 | 15.5 | | 2.14 | 0.207 | 21.7 | | 2.28 | 0.221 |
| Potassium, Total | **NS** | **NS** | 381 | | 236 | 13.6 | 365 | | 217 | 12.5 | 431 | | 264 | 15.2 | 575 | | 241 | 13.9 | 533 | | 236 | 13.6 | 201 | J | 228 | 13.1 | 421 | | 214 | 12.3 | 616 | | 228 | 13.1 |
| Selenium, Total | **3.9** | **180** | ND | | 1.89 | 0.244 | ND | | 1.74 | 0.224 | 0.686 | J | 2.11 | 0.272 | ND | | 1.93 | 0.249 | ND | | 1.89 | 0.244 | 0.273 | J | 1.82 | 0.235 | ND | | 1.71 | 0.221 | 0.292 | J | 1.82 | 0.235 |
| Silver, Total | **2** | **180** | ND | | 0.944 | 0.267 | ND | | 0.87 | 0.246 | ND | | 1.06 | 0.299 | ND | | 0.964 | 0.273 | ND | | 0.945 | 0.268 | ND | | 0.911 | 0.258 | ND | | 0.857 | 0.242 | ND | | 0.912 | 0.258 |
| Sodium, Total | **NS** | **NS** | 57.9 | J | 189 | 2.98 | 27.5 | J | 174 | 2.74 | 33.7 | J | 211 | 3.32 | 42.8 | J | 193 | 3.04 | 144 | J | 189 | 2.98 | 32.1 | J | 182 | 2.87 | 49.7 | J | 171 | 2.7 | 39.2 | J | 182 | 2.87 |
| Thallium, Total | **NS** | **NS** | ND | | 1.89 | 0.298 | 0.304 | J | 1.74 | 0.274 | 1.14 | J | 2.11 | 0.332 | 0.559 | J | 1.93 | 0.304 | ND | | 1.89 | 0.298 | ND | | 1.82 | 0.287 | ND | | 1.71 | 0.27 | 0.338 | J | 1.82 | 0.287 |
| Vanadium, Total | **NS** | **NS** | 16.9 | | 0.944 | 0.192 | 15.1 | | 0.87 | 0.176 | 16.6 | | 1.06 | 0.214 | 22 | | 0.964 | 0.196 | 15.6 | | 0.945 | 0.192 | 8.93 | | 0.911 | 0.185 | 11.7 | | 0.857 | 0.174 | 15.9 | | 0.912 | 0.185 |
| Zinc, Total | **109** | **10000** | 47.5 | | 4.72 | 0.277 | 72.3 | | 4.35 | 0.255 | 51.3 | | 5.28 | 0.309 | **152** | | 4.82 | 0.282 | **208** | | 4.73 | 0.277 | 21.1 | | 4.55 | 0.267 | 56.3 | | 4.29 | 0.251 | **72.2** | | 4.56 | 0.267 |
| **General Analytical** | | | **Conc** | **Q** | **RL** | **MDL** | **Conc** | **Q** | **RL** | **MDL** | **Conc** | **Q** | **RL** | **MDL** | **Conc** | **Q** | **RL** | **MDL** | **Conc** | **Q** | **4.73** | **MDL** | **Conc** | **Q** | **RL** | **MDL** | **Conc** | **Q** | **RL** | **MDL** | **Conc** | **Q** | **RL** | **MDL** |
| Cyanide, Total | **27** | **27** | ND | | 1.1 | 0.23 | ND | | 1.1 | 0.22 | 1.1 | J | 1.3 | 0.27 | ND | | 1.2 | 0.26 | ND | | 4.73 | 0.26 | ND | | 1.1 | 0.23 | 0.47 | J | 1.1 | 0.23 | ND | | 1.2 | 0.24 |

**Results in Yellow Highlight displays exceedance above the UUSCO regulatory standard**
**Results in Green Highlight displays exceedance above both UUSCO & RRUSCO regulatory standard**
**J = Concentration detected at a value below the RL and above the MDL for target compounds**
**P = The RPD between the results for the two columns exceeds the method-specified criteria**

**NS = No Standard Available**

**ND = Analyzed for but Not Detected at the MDL**

**Table 2 - Groundwater Results - VOCs, Metals**
**135 Main Street**
**Poughkeepsie, New York**

**Hillmann Consulting, LLC**
**Project #: G6-2423**

| Target Compounds | Groundwater Effluent Limitations (Class GA) | TWP-1 | | | | TWP-3 | | | | TWP-8 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Volatiles (µg/L)** | | Conc | Q | RL | MDL | Conc | Q | RL | MDL | Conc | Q | RL | MDL |
| 1,1,1,2-Tetrachloroethane | 5 | ND | | 10 | 2.8 | ND | | 2.5 | 0.7 | ND | | 2.5 | 0.7 |
| 1,1,1-Trichloroethane | 5 | ND | | 10 | 2.8 | ND | | 2.5 | 0.7 | ND | | 2.5 | 0.7 |
| 1,1,2,2-Tetrachloroethane | 5 | ND | | 2 | 0.67 | ND | | 0.5 | 0.17 | ND | | 0.5 | 0.17 |
| 1,1,2-Trichloroethane | 1 | ND | | 6 | 2 | ND | | 1.5 | 0.5 | ND | | 1.5 | 0.5 |
| 1,1-Dichloroethane | 5 | ND | | 10 | 2.8 | ND | | 2.5 | 0.7 | ND | | 2.5 | 0.7 |
| 1,1-Dichloroethene | 5 | ND | | 2 | 0.68 | ND | | 0.5 | 0.17 | ND | | 0.5 | 0.17 |
| 1,1-Dichloropropene | 5 | ND | | 10 | 2.8 | ND | | 2.5 | 0.7 | ND | | 2.5 | 0.7 |
| 1,2,3-Trichlorobenzene | 5 | ND | | 10 | 2.8 | ND | | 2.5 | 0.7 | ND | | 2.5 | 0.7 |
| 1,2,3-Trichloropropane | 0.04 | ND | | 10 | 2.8 | ND | | 2.5 | 0.7 | ND | | 2.5 | 0.7 |
| 1,2,4,5-Tetramethylbenzene | 5 | ND | | 8 | 2.2 | ND | | 2 | 0.54 | ND | | 2 | 0.54 |
| 1,2,4-Trichlorobenzene | 5 | ND | | 10 | 2.8 | ND | | 2.5 | 0.7 | ND | | 2.5 | 0.7 |
| 1,2,4-Trimethylbenzene | 5 | 16 | | 10 | 2.8 | ND | | 2.5 | 0.7 | ND | | 2.5 | 0.7 |
| 1,2-Dibromo-3-chloropropane | 0.04 | ND | | 10 | 2.8 | ND | | 2.5 | 0.7 | ND | | 2.5 | 0.7 |
| 1,2-Dibromoethane | 0.0006 | ND | | 8 | 2.6 | ND | | 2 | 0.65 | ND | | 2 | 0.65 |
| 1,2-Dichlorobenzene | 3 | ND | | 10 | 2.8 | ND | | 2.5 | 0.7 | ND | | 2.5 | 0.7 |
| 1,2-Dichloroethane | 0.6 | ND | | 2 | 0.53 | ND | | 0.5 | 0.13 | ND | | 0.5 | 0.13 |
| 1,2-Dichloroethene, Total | NS | ND | | 10 | 2.8 | ND | | 2.5 | 0.7 | ND | | 2.5 | 0.7 |
| 1,2-Dichloropropane | 1 | ND | | 4 | 0.55 | ND | | 1 | 0.14 | ND | | 1 | 0.14 |
| 1,3,5-Trimethylbenzene | 5 | 6.6 | J | 10 | 2.8 | ND | | 2.5 | 0.7 | ND | | 2.5 | 0.7 |
| 1,3-Dichlorobenzene | 3 | ND | | 10 | 2.8 | ND | | 2.5 | 0.7 | ND | | 2.5 | 0.7 |
| 1,3-Dichloropropane | 5 | ND | | 10 | 2.8 | ND | | 2.5 | 0.7 | ND | | 2.5 | 0.7 |
| 1,3-Dichloropropene, Total | NS | ND | | 2 | 0.58 | ND | | 0.5 | 0.14 | ND | | 0.5 | 0.14 |
| 1,4-Dichlorobenzene | 3 | ND | | 10 | 2.8 | ND | | 2.5 | 0.7 | ND | | 2.5 | 0.7 |
| 1,4-Dioxane | NS | ND | | 1000 | 240 | ND | | 250 | 61 | ND | | 250 | 61 |
| 2,2-Dichloropropane | 5 | ND | | 10 | 2.8 | ND | | 2.5 | 0.7 | ND | | 2.5 | 0.7 |
| 2-Butanone | 50 | ND | | 20 | 7.8 | ND | | 5 | 1.9 | ND | | 5 | 1.9 |
| 2-Hexanone | 50 | ND | | 20 | 4 | ND | | 5 | 1 | ND | | 5 | 1 |
| 4-Methyl-2-pentanone | NS | ND | | 20 | 4 | ND | | 5 | 1 | ND | | 5 | 1 |
| Acetone | 50 | 8.3 | J | 20 | 5.8 | 5.3 | | 5 | 1.5 | 4.8 | J | 5 | 1.5 |
| Acrylonitrile | 5 | ND | | 20 | 6 | ND | | 5 | 1.5 | ND | | 5 | 1.5 |
| Benzene | 1 | 2.7 | | 2 | 0.64 | 0.61 | | 0.5 | 0.16 | ND | | 0.5 | 0.16 |
| Bromobenzene | 5 | ND | | 10 | 2.8 | ND | | 2.5 | 0.7 | ND | | 2.5 | 0.7 |
| Bromochloromethane | 5 | ND | | 10 | 2.8 | ND | | 2.5 | 0.7 | ND | | 2.5 | 0.7 |
| Bromodichloromethane | 50 | ND | | 2 | 0.77 | ND | | 0.5 | 0.19 | ND | | 0.5 | 0.19 |
| Bromoform | 50 | ND | | 8 | 2.6 | ND | | 2 | 0.65 | ND | | 2 | 0.65 |
| Bromomethane | 5 | ND | | 10 | 2.8 | ND | | 2.5 | 0.7 | ND | | 2.5 | 0.7 |
| Carbon disulfide | 60 | ND | | 20 | 4 | ND | | 5 | 1 | ND | | 5 | 1 |
| Carbon tetrachloride | 5 | ND | | 2 | 0.54 | ND | | 0.5 | 0.13 | ND | | 0.5 | 0.13 |
| Chlorobenzene | 5 | ND | | 10 | 2.8 | ND | | 2.5 | 0.7 | ND | | 2.5 | 0.7 |
| Chloroethane | 5 | ND | | 10 | 2.8 | ND | | 2.5 | 0.7 | ND | | 2.5 | 0.7 |
| Chloroform | 7 | ND | | 10 | 2.8 | ND | | 2.5 | 0.7 | ND | | 2.5 | 0.7 |
| Chloromethane | NS | ND | | 10 | 2.8 | ND | | 2.5 | 0.7 | ND | | 2.5 | 0.7 |
| cis-1,2-Dichloroethene | 5 | ND | | 10 | 2.8 | ND | | 2.5 | 0.7 | ND | | 2.5 | 0.7 |
| cis-1,3-Dichloropropene | 0.4 | ND | | 2 | 0.58 | ND | | 0.5 | 0.14 | ND | | 0.5 | 0.14 |
| Dibromochloromethane | 50 | ND | | 2 | 0.6 | ND | | 0.5 | 0.15 | ND | | 0.5 | 0.15 |
| Dibromomethane | 5 | ND | | 20 | 4 | ND | | 5 | 1 | ND | | 5 | 1 |
| Dichlorodifluoromethane | 5 | ND | | 20 | 4 | ND | | 5 | 1 | ND | | 5 | 1 |
| Ethyl ether | NS | ND | | 10 | 2.8 | ND | | 2.5 | 0.7 | ND | | 2.5 | 0.7 |
| Ethylbenzene | 5 | ND | | 10 | 2.8 | ND | | 2.5 | 0.7 | ND | | 2.5 | 0.7 |
| Hexachlorobutadiene | 0.5 | ND | | 10 | 2.8 | ND | | 2.5 | 0.7 | ND | | 2.5 | 0.7 |
| Isopropylbenzene | 5 | ND | | 10 | 2.8 | ND | | 2.5 | 0.7 | ND | | 2.5 | 0.7 |
| Methyl tert butyl ether | 10 | ND | | 10 | 2.8 | ND | | 2.5 | 0.7 | ND | | 2.5 | 0.7 |
| Methylene chloride | 5 | ND | | 10 | 2.8 | ND | | 2.5 | 0.7 | ND | | 2.5 | 0.7 |
| Naphthalene | 10 | 480 | | 10 | 2.8 | ND | | 2.5 | 0.7 | ND | | 2.5 | 0.7 |
| n-Butylbenzene | 5 | ND | | 10 | 2.8 | ND | | 2.5 | 0.7 | ND | | 2.5 | 0.7 |
| n-Propylbenzene | 5 | ND | | 10 | 2.8 | ND | | 2.5 | 0.7 | ND | | 2.5 | 0.7 |
| o-Chlorotoluene | 5 | ND | | 10 | 2.8 | ND | | 2.5 | 0.7 | ND | | 2.5 | 0.7 |
| o-Xylene | 5 | 11 | | 10 | 2.8 | ND | | 2.5 | 0.7 | ND | | 2.5 | 0.7 |
| p/m-Xylene | 5 | 29 | | 10 | 2.8 | 0.7 | J | 2.5 | 0.7 | ND | | 2.5 | 0.7 |
| p-Chlorotoluene | 5 | ND | | 10 | 2.8 | ND | | 2.5 | 0.7 | ND | | 2.5 | 0.7 |
| p-Diethylbenzene | NS | ND | | 8 | 2.8 | ND | | 2 | 0.7 | ND | | 2 | 0.7 |
| p-Ethyltoluene | NS | 3.6 | J | 8 | 2.8 | ND | | 2 | 0.7 | ND | | 2 | 0.7 |
| p-Isopropyltoluene | 5 | ND | | 10 | 2.8 | ND | | 2.5 | 0.7 | ND | | 2.5 | 0.7 |
| sec-Butylbenzene | 5 | ND | | 10 | 2.8 | ND | | 2.5 | 0.7 | ND | | 2.5 | 0.7 |
| Styrene | 930 | ND | | 10 | 2.8 | ND | | 2.5 | 0.7 | ND | | 2.5 | 0.7 |
| tert-Butylbenzene | 5 | ND | | 10 | 2.8 | ND | | 2.5 | 0.7 | ND | | 2.5 | 0.7 |
| Tetrachloroethene | 5 | ND | | 2 | 0.72 | ND | | 0.5 | 0.18 | ND | | 0.5 | 0.18 |
| Toluene | 5 | ND | | 10 | 2.8 | ND | | 2.5 | 0.7 | ND | | 2.5 | 0.7 |
| trans-1,2-Dichloroethene | 5 | ND | | 10 | 2.8 | ND | | 2.5 | 0.7 | ND | | 2.5 | 0.7 |
| trans-1,3-Dichloropropene | 0.4 | ND | | 2 | 0.66 | ND | | 0.5 | 0.16 | ND | | 0.5 | 0.16 |
| trans-1,4-Dichloro-2-butene | 5 | ND | | 10 | 2.8 | ND | | 2.5 | 0.7 | ND | | 2.5 | 0.7 |
| Trichloroethene | 5 | ND | | 2 | 0.7 | ND | | 0.5 | 0.18 | ND | | 0.5 | 0.18 |
| Trichlorofluoromethane | 5 | ND | | 10 | 2.8 | ND | | 2.5 | 0.7 | ND | | 2.5 | 0.7 |
| Vinyl acetate | NS | ND | | 20 | 4 | ND | | 5 | 1 | ND | | 5 | 1 |
| Vinyl chloride | 2 | ND | | 4 | 0.28 | ND | | 1 | 0.07 | ND | | 1 | 0.07 |
| Xylenes, Total | NS | 40 | | 10 | 2.8 | 0.7 | J | 2.5 | 0.7 | ND | | 2.5 | 0.7 |
| Total TICs | NS | 10.5 | J | 0 | 0 | ND | | 0 | 0 | ND | | 0 | 0 |
| Total VOCs | NS | 557.2 | - | - | - | 6.61 | - | - | - | 4.8 | - | - | - |

| Target Compounds | Groundwater Effluent Limitations (Class GA) | TWP-1 | | | | TWP-3 | | | | TWP-8 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals (µg/L)** | | Conc | Q | RL | MDL | Conc | Q | RL | MDL | Conc | Q | RL | MDL |
| Aluminum, Total | NS | 168000 | | 500 | 164 | 9880 | | 10 | 3.27 | 288000 | | 1000 | 327 |
| Antimony, Total | 3 | ND | | 4 | 0.42 | ND | | 4 | 0.42 | 2.03 | J | 8 | 0.85 |
| Arsenic, Total | 25 | 46.37 | | 0.5 | 0.16 | 14.43 | | 0.5 | 0.16 | 549.1 | | 1 | 0.33 |
| Barium, Total | 1000 | 1840 | | 25 | 8.65 | 106 | | 0.5 | 0.17 | 7488 | | 50 | 17.3 |
| Beryllium, Total | 3 | 10.12 | | 0.5 | 0.1 | 0.82 | | 0.5 | 0.1 | 8.49 | | 1 | 0.21 |
| Cadmium, Total | 5 | 2.66 | | 0.2 | 0.05 | 1.47 | | 0.2 | 0.05 | 8.66 | | 0.4 | 0.11 |
| Calcium, Total | NS | 221000 | | 100 | 39.4 | 297000 | | 100 | 39.4 | 3180000 | | 10000 | 3940 |
| Chromium, Total | 50 | 147.6 | | 1 | 0.17 | 15.14 | | 1 | 0.17 | 389.1 | | 2 | 0.35 |
| Cobalt, Total | NS | 134.7 | | 0.5 | 0.16 | 20.05 | | 0.5 | 0.16 | 475.6 | | 1 | 0.32 |
| Copper, Total | 200 | 258.5 | | 1 | 0.38 | 20.24 | | 1 | 0.38 | 2350 | | 100 | 38.4 |
| Iron, Total | NS | 187000 | | 3000 | 955 | 26800 | | 60 | 19.1 | 903000 | | 5000 | 1910 |
| Lead, Total | 25 | 332.7 | | 1 | 0.34 | 29.18 | | 1 | 0.34 | 1092 | | 100 | 34.3 |
| Magnesium, Total | 35000 | 59400 | | 70 | 24.2 | 31600 | | 70 | 24.2 | 205000 | | 140 | 48.4 |
| Manganese, Total | NS | 5584 | | 50 | 22 | 5746 | | 50 | 22 | 72500 | | 100 | 44 |
| Mercury, Total | 0.7 | 0.11 | J | 0.2 | 0.06 | ND | | 0.2 | 0.06 | 0.15 | J | 0.2 | 0.06 |
| Nickel, Total | 100 | 266.2 | | 2 | 0.55 | 39.61 | | 2 | 0.55 | 766.2 | | 4 | 1.11 |
| Potassium, Total | NS | 13800 | | 100 | 30.9 | 30000 | | 100 | 30.9 | 22100 | | 200 | 61.8 |
| Selenium, Total | 10 | 100 | | 5 | 1.73 | 8.87 | | 5 | 1.73 | 85.9 | | 10 | 3.46 |
| Silver, Total | 50 | 1.52 | | 0.4 | 0.16 | 0.18 | J | 0.4 | 0.16 | 4.03 | | 0.8 | 0.32 |
| Sodium, Total | 20000 | 57700 | | 100 | 29.3 | 16900 | | 350 | 29.3 | 57000 | | 200 | 58.6 |
| Thallium, Total | 0.5 | 0.43 | J | 0.5 | 0.14 | ND | | 0.5 | 0.14 | 1.94 | | 1 | 0.28 |
| Vanadium, Total | NS | 87.9 | | 5 | 1.57 | 18.57 | | 5 | 1.57 | 311.1 | | 10 | 3.14 |
| Zinc, Total | 2000 | 1308 | | 500 | 170.5 | 64.66 | | 10 | 3.41 | 4470 | | 1000 | 341 |

| Target Compounds | Groundwater Effluent Limitations (Class GA) | TWP-1 | | | | TWP-3 | | | | TWP-8 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry (µg/L)** | | Conc | Q | RL | MDL | Conc | Q | RL | MDL | Conc | Q | RL | MDL |
| Cyanide, Total | 400 | 364 | | 5 | 1 | 547 | | 10 | 3 | 186 | | 5 | 1 |

**Results in Blue Highlight displays exceedance above the Groundwater Effluent Limitations**
NS = No Standard Available
ND = Analyzed for but Not Detected at the MDL
J = Concentration detected at a value below the RL and above the MDL for target compounds

P = The RPD between the results for the two columns exceeds the method-specified criteria

**Table 2 (Cont'd) - Groundwater Results - SVOCs, PCBS, Pesticides**
**135 Main Street**
**Poughkeepsie, New York**

**Hillmann Consulting, LLC**
**Project #: G6-2423**

| Target Compounds | Groundwater Effluent Limitations (Class GA) | TWP-1 | | | | TWP-3 | | | | TWP-8 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatiles - (µg/L)** | | Conc | Q | RL | MDL | Conc | Q | RL | MDL | Conc | Q | RL | MDL |
| 1,2,4,5-Tetrachlorobenzene | **5** | ND | | 10 | 0.44 | ND | | 10 | 0.44 | ND | | 10 | 0.44 |
| 1,2,4-Trichlorobenzene | **5** | ND | | 5 | 0.5 | ND | | 5 | 0.5 | ND | | 5 | 0.5 |
| 1,2-Dichlorobenzene | **3** | ND | | 2 | 0.45 | ND | | 2 | 0.45 | ND | | 2 | 0.45 |
| 1,3-Dichlorobenzene | **3** | ND | | 2 | 0.4 | ND | | 2 | 0.4 | ND | | 2 | 0.4 |
| 1,4-Dichlorobenzene | **3** | ND | | 2 | 0.43 | ND | | 2 | 0.43 | ND | | 2 | 0.43 |
| 2,4,5-Trichlorophenol | **NS** | ND | | 5 | 0.77 | ND | | 5 | 0.77 | ND | | 5 | 0.77 |
| 2,4,6-Trichlorophenol | **NS** | ND | | 5 | 0.61 | ND | | 5 | 0.61 | ND | | 5 | 0.61 |
| 2,4-Dichlorophenol | **2** | ND | | 5 | 0.41 | ND | | 5 | 0.41 | ND | | 5 | 0.41 |
| 2,4-Dimethylphenol | **2** | ND | | 5 | 1.8 | ND | | 5 | 1.8 | ND | | 5 | 1.8 |
| 2,4-Dinitrophenol | **2** | ND | | 20 | 6.6 | ND | | 20 | 6.6 | ND | | 20 | 6.6 |
| 2,4-Dinitrotoluene | **5** | ND | | 5 | 1.2 | ND | | 5 | 1.2 | ND | | 5 | 1.2 |
| 2,6-Dinitrotoluene | **5** | ND | | 5 | 0.93 | ND | | 5 | 0.93 | ND | | 5 | 0.93 |
| 2-Chlorophenol | **NS** | ND | | 2 | 0.48 | ND | | 2 | 0.48 | ND | | 2 | 0.48 |
| 2-Methylphenol | **NS** | ND | | 5 | 0.49 | ND | | 5 | 0.49 | ND | | 5 | 0.49 |
| 2-Nitroaniline | **5** | ND | | 5 | 0.5 | ND | | 5 | 0.5 | ND | | 5 | 0.5 |
| 2-Nitrophenol | **NS** | ND | | 10 | 0.85 | ND | | 10 | 0.85 | ND | | 10 | 0.85 |
| 3,3'-Dichlorobenzidine | **5** | ND | | 5 | 1.6 | ND | | 5 | 1.6 | ND | | 5 | 1.6 |
| 3-Methylphenol/4-Methylphenol | **NS** | ND | | 5 | 0.48 | ND | | 5 | 0.48 | ND | | 5 | 0.48 |
| 3-Nitroaniline | **5** | ND | | 5 | 0.81 | ND | | 5 | 0.81 | ND | | 5 | 0.81 |
| 4,6-Dinitro-o-cresol | **NS** | ND | | 10 | 1.8 | ND | | 10 | 1.8 | ND | | 10 | 1.8 |
| 4-Bromophenyl phenyl ether | **NS** | ND | | 2 | 0.38 | ND | | 2 | 0.38 | ND | | 2 | 0.38 |
| 4-Chloroaniline | **5** | ND | | 5 | 1.1 | ND | | 5 | 1.1 | ND | | 5 | 1.1 |
| 4-Chlorophenyl phenyl ether | **NS** | ND | | 2 | 0.49 | ND | | 2 | 0.49 | ND | | 2 | 0.49 |
| 4-Nitroaniline | **5** | ND | | 5 | 0.8 | ND | | 5 | 0.8 | ND | | 5 | 0.8 |
| 4-Nitrophenol | **NS** | ND | | 10 | 0.67 | ND | | 10 | 0.67 | ND | | 10 | 0.67 |
| Acetophenone | **NS** | ND | | 5 | 0.53 | ND | | 5 | 0.53 | ND | | 5 | 0.53 |
| Benzoic Acid | **NS** | ND | | 50 | 2.6 | ND | | 50 | 2.6 | ND | | 50 | 2.6 |
| Benzyl Alcohol | **NS** | ND | | 2 | 0.59 | ND | | 2 | 0.59 | ND | | 2 | 0.59 |
| Biphenyl | **NS** | 2.9 | | 2 | 0.46 | ND | | 2 | 0.46 | ND | | 2 | 0.46 |
| Bis(2-chloroethoxy)methane | **5** | ND | | 5 | 0.5 | ND | | 5 | 0.5 | ND | | 5 | 0.5 |
| Bis(2-chloroethyl)ether | **1** | ND | | 2 | 0.5 | ND | | 2 | 0.5 | ND | | 2 | 0.5 |
| Bis(2-chloroisopropyl)ether | **5** | ND | | 2 | 0.53 | ND | | 2 | 0.53 | ND | | 2 | 0.53 |
| Bis(2-ethylhexyl)phthalate | **5** | ND | | 3 | 1.5 | ND | | 3 | 1.5 | ND | | 3 | 1.5 |
| Butyl benzyl phthalate | **50** | ND | | 5 | 1.2 | ND | | 5 | 1.2 | ND | | 5 | 1.2 |
| Carbazole | **NS** | 5.8 | | 2 | 0.49 | ND | | 2 | 0.49 | ND | | 2 | 0.49 |
| Dibenzofuran | **NS** | 6.8 | | 2 | 0.5 | ND | | 2 | 0.5 | ND | | 2 | 0.5 |
| Diethyl phthalate | **50** | ND | | 5 | 0.38 | ND | | 5 | 0.38 | ND | | 5 | 0.38 |
| Dimethyl phthalate | **50** | ND | | 5 | 1.8 | ND | | 5 | 1.8 | ND | | 5 | 1.8 |
| Di-n-butylphthalate | **50** | ND | | 5 | 0.39 | ND | | 5 | 0.39 | ND | | 5 | 0.39 |
| Di-n-octylphthalate | **50** | ND | | 5 | 1.3 | ND | | 5 | 1.3 | ND | | 5 | 1.3 |
| Hexachlorocyclopentadiene | **5** | ND | | 20 | 0.69 | ND | | 20 | 0.69 | ND | | 20 | 0.69 |
| Isophorone | **50** | ND | | 5 | 1.2 | ND | | 5 | 1.2 | ND | | 5 | 1.2 |
| NDPA/DPA | **50** | ND | | 2 | 0.42 | ND | | 2 | 0.42 | ND | | 2 | 0.42 |
| Nitrobenzene | **0.4** | ND | | 2 | 0.77 | ND | | 2 | 0.77 | ND | | 2 | 0.77 |
| n-Nitrosodi-n-propylamine | **NS** | ND | | 5 | 0.64 | ND | | 5 | 0.64 | ND | | 5 | 0.64 |
| p-Chloro-m-cresol | **NS** | ND | | 2 | 0.35 | ND | | 2 | 0.35 | ND | | 2 | 0.35 |
| Phenol | **2** | ND | | 5 | 0.57 | ND | | 5 | 0.57 | ND | | 5 | 0.57 |
| Total TICs | **NS** | 150 | J | 0 | 0 | 47.7 | J | 0 | 0 | 42.6 | J | 0 | 0 |
| Total SVOCs | **NS** | 15.5 | - | - | - | - | - | - | - | - | - | - | - |
| **Semivolatiles - SIM (µg/L)** | | Conc | Q | RL | MDL | Conc | Q | RL | MDL | Conc | Q | RL | MDL |
| 2-Chloronaphthalene | **10** | ND | | 0.2 | 0.02 | ND | | 0.2 | 0.02 | ND | | 0.2 | 0.02 |
| 2-Methylnaphthalene | **NS** | 4.7 | | 0.1 | 0.02 | 0.12 | | 0.1 | 0.02 | ND | | 0.1 | 0.02 |
| Acenaphthene | **20** | 2.6 | | 0.1 | 0.01 | 0.06 | J | 0.1 | 0.01 | ND | | 0.1 | 0.01 |
| Acenaphthylene | **NS** | 3.9 | | 0.1 | 0.01 | 0.37 | | 0.1 | 0.01 | ND | | 0.1 | 0.01 |
| Anthracene | **50** | 18 | | 0.1 | 0.01 | 0.42 | | 0.1 | 0.01 | ND | | 0.1 | 0.01 |
| Benzo(a)anthracene | **0.002** | **38** | E | 0.1 | 0.02 | **2.9** | | 0.1 | 0.02 | ND | | 0.1 | 0.02 |
| Benzo(a)pyrene | **0** | **29** | | 0.1 | 0.02 | **3.2** | | 0.1 | 0.02 | ND | | 0.1 | 0.02 |
| Benzo(b)fluoranthene | **0.002** | **22** | | 0.1 | 0.01 | **2.7** | | 0.1 | 0.01 | ND | | 0.1 | 0.01 |
| Benzo(ghi)perylene | **NS** | 18 | | 0.1 | 0.01 | 2.2 | | 0.1 | 0.01 | ND | | 0.1 | 0.01 |
| Benzo(k)fluoranthene | **0.002** | **23** | | 0.1 | 0.01 | **2.6** | | 0.1 | 0.01 | ND | | 0.1 | 0.01 |
| Chrysene | **0.002** | **27** | | 0.1 | 0.01 | **2.8** | | 0.1 | 0.01 | ND | | 0.1 | 0.01 |
| Dibenzo(a,h)anthracene | **NS** | 5.4 | | 0.1 | 0.01 | 0.8 | | 0.1 | 0.01 | ND | | 0.1 | 0.01 |
| Fluoranthene | **50** | **68** | E | 0.1 | 0.02 | 4.1 | | 0.1 | 0.02 | ND | | 0.1 | 0.02 |
| Fluorene | **50** | 4.6 | | 0.1 | 0.01 | 0.16 | | 0.1 | 0.01 | ND | | 0.1 | 0.01 |
| Hexachlorobenzene | **0.04** | ND | | 0.8 | 0.01 | ND | | 0.8 | 0.01 | ND | | 0.8 | 0.01 |
| Hexachlorobutadiene | **0.5** | ND | | 0.5 | 0.05 | ND | | 0.5 | 0.05 | ND | | 0.5 | 0.05 |
| Hexachloroethane | **5** | ND | | 0.8 | 0.06 | ND | | 0.8 | 0.06 | ND | | 0.8 | 0.06 |
| Indeno(1,2,3-cd)pyrene | **0.002** | **17** | | 0.1 | 0.01 | **2.1** | | 0.1 | 0.01 | ND | | 0.1 | 0.01 |
| Naphthalene | **10** | **150** | E | 0.1 | 0.05 | 0.36 | | 0.1 | 0.05 | ND | | 0.1 | 0.05 |
| Pentachlorophenol | **2** | ND | | 0.8 | 0.01 | ND | | 0.8 | 0.01 | ND | | 0.8 | 0.01 |
| Phenanthrene | **50** | 15 | | 0.1 | 0.02 | 1.2 | | 0.1 | 0.02 | 0.03 | J | 0.1 | 0.02 |
| Pyrene | **50** | **58** | E | 0.1 | 0.02 | 4.6 | | 0.1 | 0.02 | ND | | 0.1 | 0.02 |
| Total SVOCs | **NS** | 504.2 | - | - | - | 30.69 | - | - | - | 0.03 | - | - | - |

| Target Compounds | Groundwater Effluent Limitations (Class GA) | TWP-1 | | | TWP-3 | | | TWP-8 | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **PCBs (µg/L)** | | Conc | Q | RL | MDL | Conc | Q | RL | MDL | Conc | Q | RL | MDL | Conc | Q | RL | MDL |
| Aroclor 1016 | **0.09** | ND | | 0.082 | 0.034 | ND | | 0.082 | 0.034 | ND | | 0.129 | 0.053 |
| Aroclor 1221 | **0.09** | ND | | 0.082 | 0.066 | ND | | 0.082 | 0.066 | ND | | 0.129 | 0.103 |
| Aroclor 1232 | **0.09** | ND | | 0.082 | 0.045 | ND | | 0.082 | 0.045 | ND | | 0.129 | 0.07 |
| Aroclor 1242 | **0.09** | ND | | 0.082 | 0.038 | ND | | 0.082 | 0.038 | ND | | 0.129 | 0.06 |
| Aroclor 1248 | **0.09** | ND | | 0.082 | 0.048 | ND | | 0.082 | 0.048 | ND | | 0.129 | 0.076 |
| Aroclor 1254 | **0.09** | ND | | 0.082 | 0.039 | ND | | 0.082 | 0.039 | ND | | 0.129 | 0.06 |
| Aroclor 1260 | **0.09** | ND | | 0.082 | 0.032 | ND | | 0.082 | 0.032 | ND | | 0.129 | 0.049 |
| Aroclor 1262 | **0.09** | ND | | 0.082 | 0.034 | ND | | 0.082 | 0.034 | ND | | 0.129 | 0.054 |
| Aroclor 1268 | **0.09** | ND | | 0.082 | 0.033 | ND | | 0.082 | 0.033 | ND | | 0.129 | 0.052 |
| PCBs, Total | **0.09** | ND | | 0.082 | 0.032 | ND | | 0.082 | 0.032 | ND | | 0.129 | 0.049 |

| Target Compounds | Groundwater Effluent Limitations (Class GA) | TWP-1 | | | TWP-3 | | | TWP-8 | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Pesticides (µg/L)** | | Conc | Q | RL | MDL | Conc | Q | RL | MDL | Conc | Q | RL | MDL | Conc | Q | RL | MDL |
| 4,4'-DDD | **0.3** | ND | | 0.029 | 0.003 | ND | | 0.029 | 0.003 | ND | | 0.044 | 0.005 |
| 4,4'-DDE | **0.2** | ND | | 0.029 | 0.003 | ND | | 0.029 | 0.003 | ND | | 0.044 | 0.004 |
| 4,4'-DDT | **0.2** | ND | | 0.029 | 0.003 | ND | | 0.029 | 0.003 | ND | | 0.044 | 0.005 |
| Aldrin | **0** | ND | | 0.014 | 0.002 | ND | | 0.014 | 0.002 | ND | | 0.022 | 0.002 |
| Alpha-BHC | **0.01** | ND | | 0.014 | 0.003 | ND | | 0.014 | 0.003 | ND | | 0.022 | 0.005 |
| Beta-BHC | **0.04** | ND | | 0.014 | 0.004 | ND | | 0.014 | 0.004 | ND | | 0.022 | 0.006 |
| Chlordane | **0.05** | ND | | 0.143 | 0.033 | ND | | 0.143 | 0.033 | ND | | 0.222 | 0.051 |
| cis-Chlordane | **NS** | ND | | 0.014 | 0.005 | ND | | 0.014 | 0.005 | ND | | 0.022 | 0.007 |
| Delta-BHC | **0.04** | ND | | 0.014 | 0.003 | ND | | 0.014 | 0.003 | ND | | 0.022 | 0.005 |
| Dieldrin | **0.004** | ND | | 0.029 | 0.003 | ND | | 0.029 | 0.003 | ND | | 0.044 | 0.005 |
| Endosulfan I | **NS** | ND | | 0.014 | 0.002 | ND | | 0.014 | 0.002 | ND | | 0.022 | 0.004 |
| Endosulfan II | **NS** | ND | | 0.029 | 0.004 | ND | | 0.029 | 0.004 | ND | | 0.044 | 0.006 |
| Endosulfan sulfate | **NS** | ND | | 0.029 | 0.003 | ND | | 0.029 | 0.003 | ND | | 0.044 | 0.005 |
| Endrin | **0** | ND | | 0.029 | 0.003 | ND | | 0.029 | 0.003 | ND | | 0.044 | 0.005 |
| Endrin aldehyde | **5** | ND | | 0.029 | 0.006 | ND | | 0.029 | 0.006 | ND | | 0.044 | 0.009 |
| Endrin ketone | **5** | ND | | 0.029 | 0.003 | ND | | 0.029 | 0.003 | ND | | 0.044 | 0.005 |
| Heptachlor | **0.04** | ND | | 0.014 | 0.002 | ND | | 0.014 | 0.002 | ND | | 0.022 | 0.003 |
| Heptachlor epoxide | **0.03** | ND | | 0.014 | 0.003 | ND | | 0.014 | 0.003 | ND | | 0.022 | 0.005 |
| Lindane | **0.05** | ND | | 0.014 | 0.003 | ND | | 0.014 | 0.003 | ND | | 0.022 | 0.005 |
| Methoxychlor | **35** | ND | | 0.143 | 0.005 | ND | | 0.143 | 0.005 | ND | | 0.222 | 0.008 |
| Toxaphene | **0.06** | ND | | 0.143 | 0.045 | ND | | 0.143 | 0.045 | ND | | 0.222 | 0.07 |
| trans-Chlordane | **NS** | ND | | 0.014 | 0.004 | ND | | 0.014 | 0.004 | ND | | 0.022 | 0.007 |

**Results in Blue Highlight displays exceedance above the Groundwater Effluent Limitations**
NS = No Standard Available
ND = Analyzed for but Not Detected at the MDL
J = Concentration detected at a value below the RL and above the MDL for target compounds

P = The RPD between the results for the two columns exceeds the method-specified criteria

## Table 3: Soil Boring Field Logs

**135 Main St, Poughkeepsie, NY**
**Project: G6-2423**
**Sample Date: 3/20/2019**

| Soil Boring ID | Boring Depth (bgs) | Subsurface Stratigraphy (bgs) | Water Depth (bgs) | Field Notes |
|---|---|---|---|---|
| **SB1** | Boring Terminated at 10' | 0-3' Fill material (Brick Fragments, Non-homogenous Clays) 3-9' Brown Sand, Gravel<br>9-10' Brown/ Grey Sand, moist, staining observed, feint petroleum odor | 6.75' | PID Readings: 9-10' = 10.9ppm<br>Samples Collected:<br>**Soil Sample S-1 collected 5-6' bgs**<br>**TWP-1 water sample collected**<br>**Gauged: Static Water Level = 6.75' bgs** |
| **SB2** | Boring Terminated at 7' | 0-7' Fill material sand, wet at 4.5' | 4.5' | No PID Readings<br>Samples Collected:<br>**Soil Sample S2 5-6' bgs** |
| **SB3** | Refusal on rock at 8' | 0-8' Fill Material, wet at | 4.5' | No PID Readings<br>Samples Collected:<br>**Soil Sample S3 5-6' bgs**<br>**TWP-3 water sample collected from temp well point**<br>**Gauged: Static Water = 6.23' bgs** |
| **SB4** | Boring Terminated at 6' | 0-6' Fill material, wet at 4.5' | 4.5' | No PID Readings:<br>Samples Collected:<br>**Soil Sample S-4 5-6' bgs** |
| **SB5** | Boring Terminated at 6' | 0-6' Fill material, wet | 4' | Highest PID Readings: 5.5ppm (5-6ft)<br>Samples Collected:<br>**Soil Sample S-5 collected 5-6' bgs** |
| **SB6** | Boring Terminated at 7' | 0-6' Fill material, wet at 4' | 4' | No PID Readings<br>Samples Collected:<br>***Soil Sample* S-6 collected 5-*6' bgs*** |
| **SB7** | Boring Terminated at 6' | 0-6' Fill material, wet at 4' | 4' | No PID Readings<br>Samples Collected:<br>**Soil Sample S-7 collected 3-4' bgs** |
| **SB8** | Boring Terminated at 10' | 0-10' Fill Material; wet at 5' | 5' | No PID Readings<br>Samples Collected:<br>**Soil Sample S-8 collected 5-6' bgs**<br>**TWP-8 water sample collected**<br>**Gauged: Static Water = 6.17' bgs** |

# Attachment A

## March 2019 Soil & Groundwater

## Laboratory Analysis

ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L1911169 |
| Client: | Hillmann Consulting, LLC<br>1600 Route 22 East<br>Union, NJ 07083 |
| ATTN: | Ryan Powell |
| Phone: | (908) 688-7800 |
| Project Name: | G6-2423 |
| Project Number: | G6-2423 |
| Report Date: | 03/29/19 |

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

**Project Name:** G6-2423
**Project Number:** G6-2423

**Lab Number:** L1911169
**Report Date:** 03/29/19

| Alpha Sample ID | Client ID | Matrix | Sample Location | Collection Date/Time | Receive Date |
|---|---|---|---|---|---|
| L1911169-01 | S-1 | SOIL | NY | 03/20/19 09:10 | 03/21/19 |
| L1911169-02 | S-2 | SOIL | NY | 03/20/19 09:45 | 03/21/19 |
| L1911169-03 | S-3 | SOIL | NY | 03/20/19 10:05 | 03/21/19 |
| L1911169-04 | S-4 | SOIL | NY | 03/20/19 11:00 | 03/21/19 |
| L1911169-05 | S-5 | SOIL | NY | 03/20/19 11:20 | 03/21/19 |
| L1911169-06 | S-6 | SOIL | NY | 03/20/19 11:30 | 03/21/19 |
| L1911169-07 | S-7 | SOIL | NY | 03/20/19 11:50 | 03/21/19 |
| L1911169-08 | S-8 | SOIL | NY | 03/20/19 12:05 | 03/21/19 |
| L1911169-09 | TWP-1 | WATER | NY | 03/20/19 10:45 | 03/21/19 |
| L1911169-10 | TWP-3 | WATER | NY | 03/20/19 11:35 | 03/21/19 |
| L1911169-11 | TWP-8 | WATER | NY | 03/20/19 12:25 | 03/21/19 |

| | | | |
|---|---|---|---|
| **Project Name:** | G6-2423 | **Lab Number:** | L1911169 |
| **Project Number:** | G6-2423 | **Report Date:** | 03/29/19 |

## Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

| | | | |
|---|---|---|---|
| **Project Name:** | G6-2423 | **Lab Number:** | L1911169 |
| **Project Number:** | G6-2423 | **Report Date:** | 03/29/19 |

**Case Narrative (continued)**

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Semivolatile Organics

The WG1219094-2 LCS recovery, associated with L1911169-09 through -11, is below the acceptance criteria for benzoic acid (0%); however, it has been identified as a "difficult" analyte. The results of the associated samples are reported.

PCBs

L1911169-10: The surrogate recoveries were outside the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (20%/26%) and decachlorobiphenyl (23%/22%); however, the criteria were achieved upon re-extraction outside of holding time. The results of both extractions are reported.

L1911169-11: The sample has elevated detection limits due to limited sample volume available for analysis.

WG1219258-3: The internal standard (IS) response for 1-bromo-2-nitrobenzene was above the acceptance criteria; however, the sample was not re-analyzed due to obvious interferences isolated to the primary column.

Pesticides

L1911169-07: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

L1911169-07: The surrogate recoveries are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (0%) and decachlorobiphenyl (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

L1911169-11: The sample has elevated detection limits due to limited sample volume available for analysis.

Total Metals

L1911169-01 through -08: The sample has elevated detection limits for all elements, with the exception of

| | | | |
|---|---|---|---|
| **Project Name:** | G6-2423 | **Lab Number:** | L1911169 |
| **Project Number:** | G6-2423 | **Report Date:** | 03/29/19 |

**Case Narrative (continued)**

mercury, due to the dilution required by matrix interferences encountered during analysis.

L1911169-11: The sample has elevated detection limits for all elements, with the exception of mercury, due to the prep dilution required by the sample matrix.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative Date: 03/29/19

# ORGANICS

# VOLATILES

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-01
Client ID: S-1
Sample Location: NY

Date Collected: 03/20/19 09:10
Date Received: 03/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/28/19 01:27
Analyst: MV
Percent Solids: 85%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 5035 Low - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/kg | 4.3 | 2.0 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 0.86 | 0.12 | 1 |
| Chloroform | ND | | ug/kg | 1.3 | 0.12 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 0.86 | 0.20 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 0.86 | 0.11 | 1 |
| Dibromochloromethane | ND | | ug/kg | 0.86 | 0.12 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 0.86 | 0.23 | 1 |
| Tetrachloroethene | ND | | ug/kg | 0.43 | 0.17 | 1 |
| Chlorobenzene | ND | | ug/kg | 0.43 | 0.11 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 3.4 | 0.60 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 0.86 | 0.22 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 0.43 | 0.14 | 1 |
| Bromodichloromethane | ND | | ug/kg | 0.43 | 0.09 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 0.86 | 0.23 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 0.43 | 0.14 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 0.43 | 0.14 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 0.43 | 0.14 | 1 |
| Bromoform | ND | | ug/kg | 3.4 | 0.21 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 0.43 | 0.14 | 1 |
| Benzene | 0.16 | J | ug/kg | 0.43 | 0.14 | 1 |
| Toluene | ND | | ug/kg | 0.86 | 0.47 | 1 |
| Ethylbenzene | 0.25 | J | ug/kg | 0.86 | 0.12 | 1 |
| Chloromethane | ND | | ug/kg | 3.4 | 0.80 | 1 |
| Bromomethane | ND | | ug/kg | 1.7 | 0.50 | 1 |
| Vinyl chloride | ND | | ug/kg | 0.86 | 0.29 | 1 |
| Chloroethane | ND | | ug/kg | 1.7 | 0.39 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 0.86 | 0.20 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 1.3 | 0.12 | 1 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-01 Date Collected: 03/20/19 09:10

Client ID: S-1 Date Received: 03/21/19

Sample Location: NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 5035 Low - Westborough Lab** | | | | | | |
| Trichloroethene | ND | | ug/kg | 0.43 | 0.12 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 1.7 | 0.12 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 1.7 | 0.13 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 1.7 | 0.15 | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 1.7 | 0.17 | 1 |
| p/m-Xylene | 0.56 | J | ug/kg | 1.7 | 0.48 | 1 |
| o-Xylene | 0.26 | J | ug/kg | 0.86 | 0.25 | 1 |
| Xylenes, Total | 0.82 | J | ug/kg | 0.86 | 0.25 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 0.86 | 0.15 | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 0.86 | 0.12 | 1 |
| Dibromomethane | ND | | ug/kg | 1.7 | 0.20 | 1 |
| Styrene | ND | | ug/kg | 0.86 | 0.17 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 8.6 | 0.78 | 1 |
| Acetone | 6.7 | J | ug/kg | 8.6 | 4.1 | 1 |
| Carbon disulfide | ND | | ug/kg | 8.6 | 3.9 | 1 |
| 2-Butanone | ND | | ug/kg | 8.6 | 1.9 | 1 |
| Vinyl acetate | ND | | ug/kg | 8.6 | 1.8 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 8.6 | 1.1 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 1.7 | 0.11 | 1 |
| 2-Hexanone | ND | | ug/kg | 8.6 | 1.0 | 1 |
| Bromochloromethane | ND | | ug/kg | 1.7 | 0.18 | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 1.7 | 0.17 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 0.86 | 0.24 | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 1.7 | 0.14 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 0.43 | 0.11 | 1 |
| Bromobenzene | ND | | ug/kg | 1.7 | 0.12 | 1 |
| n-Butylbenzene | ND | | ug/kg | 0.86 | 0.14 | 1 |
| sec-Butylbenzene | ND | | ug/kg | 0.86 | 0.12 | 1 |
| tert-Butylbenzene | ND | | ug/kg | 1.7 | 0.10 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 1.7 | 0.16 | 1 |
| p-Chlorotoluene | ND | | ug/kg | 1.7 | 0.09 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 2.6 | 0.86 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 3.4 | 0.14 | 1 |
| Isopropylbenzene | ND | | ug/kg | 0.86 | 0.09 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 0.86 | 0.09 | 1 |
| Naphthalene | 3.8 | | ug/kg | 3.4 | 0.56 | 1 |
| Acrylonitrile | ND | | ug/kg | 3.4 | 0.99 | 1 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-01 Date Collected: 03/20/19 09:10

Client ID: S-1 Date Received: 03/21/19

Sample Location: NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 5035 Low - Westborough Lab** | | | | | | |
| n-Propylbenzene | ND | | ug/kg | 0.86 | 0.15 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 1.7 | 0.28 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 1.7 | 0.23 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 1.7 | 0.16 | 1 |
| 1,2,4-Trimethylbenzene | 0.48 | J | ug/kg | 1.7 | 0.29 | 1 |
| 1,4-Dioxane | ND | | ug/kg | 69 | 30. | 1 |
| p-Diethylbenzene | ND | | ug/kg | 1.7 | 0.15 | 1 |
| p-Ethyltoluene | ND | | ug/kg | 1.7 | 0.33 | 1 |
| 1,2,4,5-Tetramethylbenzene | 0.16 | J | ug/kg | 1.7 | 0.16 | 1 |
| Ethyl ether | ND | | ug/kg | 1.7 | 0.29 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 4.3 | 1.2 | 1 |
| **Tentatively Identified Compounds** | | | | | | |
| Total TIC Compounds | 29.2 | J | ug/kg | | | 1 |
| Unknown | 20.1 | J | ug/kg | | | 1 |
| Unknown | 2.28 | J | ug/kg | | | 1 |
| Unknown Alkane | 4.30 | J | ug/kg | | | 1 |
| Cyclotrisiloxane, Hexamethyl- | 2.52 | NJ | ug/kg | | | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 98 | | 70-130 |
| Toluene-d8 | 100 | | 70-130 |
| 4-Bromofluorobenzene | 94 | | 70-130 |
| Dibromofluoromethane | 100 | | 70-130 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-02
Client ID: S-2
Sample Location: NY

Date Collected: 03/20/19 09:45
Date Received: 03/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/28/19 01:55
Analyst: MV
Percent Solids: 86%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 5035 Low - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/kg | 4.9 | 2.2 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 0.98 | 0.14 | 1 |
| Chloroform | ND | | ug/kg | 1.5 | 0.14 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 0.98 | 0.22 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 0.98 | 0.12 | 1 |
| Dibromochloromethane | ND | | ug/kg | 0.98 | 0.14 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 0.98 | 0.26 | 1 |
| Tetrachloroethene | ND | | ug/kg | 0.49 | 0.19 | 1 |
| Chlorobenzene | ND | | ug/kg | 0.49 | 0.12 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 3.9 | 0.68 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 0.98 | 0.25 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 0.49 | 0.16 | 1 |
| Bromodichloromethane | ND | | ug/kg | 0.49 | 0.11 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 0.98 | 0.27 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 0.49 | 0.15 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 0.49 | 0.15 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 0.49 | 0.16 | 1 |
| Bromoform | ND | | ug/kg | 3.9 | 0.24 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 0.49 | 0.16 | 1 |
| Benzene | ND | | ug/kg | 0.49 | 0.16 | 1 |
| Toluene | ND | | ug/kg | 0.98 | 0.53 | 1 |
| Ethylbenzene | ND | | ug/kg | 0.98 | 0.14 | 1 |
| Chloromethane | ND | | ug/kg | 3.9 | 0.91 | 1 |
| Bromomethane | ND | | ug/kg | 2.0 | 0.57 | 1 |
| Vinyl chloride | ND | | ug/kg | 0.98 | 0.33 | 1 |
| Chloroethane | ND | | ug/kg | 2.0 | 0.44 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 0.98 | 0.23 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 1.5 | 0.13 | 1 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-02 Date Collected: 03/20/19 09:45

Client ID: S-2 Date Received: 03/21/19

Sample Location: NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 5035 Low - Westborough Lab** | | | | | | |
| Trichloroethene | ND | | ug/kg | 0.49 | 0.13 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 2.0 | 0.14 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 2.0 | 0.14 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 2.0 | 0.17 | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 2.0 | 0.20 | 1 |
| p/m-Xylene | ND | | ug/kg | 2.0 | 0.55 | 1 |
| o-Xylene | ND | | ug/kg | 0.98 | 0.28 | 1 |
| Xylenes, Total | ND | | ug/kg | 0.98 | 0.28 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 0.98 | 0.17 | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 0.98 | 0.13 | 1 |
| Dibromomethane | ND | | ug/kg | 2.0 | 0.23 | 1 |
| Styrene | ND | | ug/kg | 0.98 | 0.19 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 9.8 | 0.90 | 1 |
| Acetone | ND | | ug/kg | 9.8 | 4.7 | 1 |
| Carbon disulfide | ND | | ug/kg | 9.8 | 4.5 | 1 |
| 2-Butanone | ND | | ug/kg | 9.8 | 2.2 | 1 |
| Vinyl acetate | ND | | ug/kg | 9.8 | 2.1 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 9.8 | 1.2 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 2.0 | 0.12 | 1 |
| 2-Hexanone | ND | | ug/kg | 9.8 | 1.2 | 1 |
| Bromochloromethane | ND | | ug/kg | 2.0 | 0.20 | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 2.0 | 0.20 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 0.98 | 0.27 | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 2.0 | 0.16 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 0.49 | 0.13 | 1 |
| Bromobenzene | ND | | ug/kg | 2.0 | 0.14 | 1 |
| n-Butylbenzene | ND | | ug/kg | 0.98 | 0.16 | 1 |
| sec-Butylbenzene | ND | | ug/kg | 0.98 | 0.14 | 1 |
| tert-Butylbenzene | ND | | ug/kg | 2.0 | 0.12 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 2.0 | 0.19 | 1 |
| p-Chlorotoluene | ND | | ug/kg | 2.0 | 0.10 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 2.9 | 0.98 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 3.9 | 0.16 | 1 |
| Isopropylbenzene | ND | | ug/kg | 0.98 | 0.11 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 0.98 | 0.11 | 1 |
| Naphthalene | ND | | ug/kg | 3.9 | 0.64 | 1 |
| Acrylonitrile | ND | | ug/kg | 3.9 | 1.1 | 1 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-02 Date Collected: 03/20/19 09:45

Client ID: S-2 Date Received: 03/21/19

Sample Location: NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 5035 Low - Westborough Lab** | | | | | | |
| n-Propylbenzene | ND | | ug/kg | 0.98 | 0.17 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 2.0 | 0.32 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 2.0 | 0.27 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 2.0 | 0.19 | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 2.0 | 0.33 | 1 |
| 1,4-Dioxane | ND | | ug/kg | 78 | 34. | 1 |
| p-Diethylbenzene | ND | | ug/kg | 2.0 | 0.17 | 1 |
| p-Ethyltoluene | ND | | ug/kg | 2.0 | 0.38 | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 2.0 | 0.19 | 1 |
| Ethyl ether | ND | | ug/kg | 2.0 | 0.33 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 4.9 | 1.4 | 1 |
| **Tentatively Identified Compounds** | | | | | | |
| Total TIC Compounds | 17.9 | J | ug/kg | | | 1 |
| Unknown Alkane | 5.45 | J | ug/kg | | | 1 |
| Unknown Alkane | 2.11 | J | ug/kg | | | 1 |
| Silanol, Trimethyl- | 7.96 | NJ | ug/kg | | | 1 |
| Unknown | 2.33 | J | ug/kg | | | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 98 | | 70-130 |
| Toluene-d8 | 102 | | 70-130 |
| 4-Bromofluorobenzene | 97 | | 70-130 |
| Dibromofluoromethane | 99 | | 70-130 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-03
Client ID: S-3
Sample Location: NY

Date Collected: 03/20/19 10:05
Date Received: 03/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/28/19 11:32
Analyst: MV
Percent Solids: 74%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 5035 Low - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/kg | 6.6 | 3.0 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 1.3 | 0.19 | 1 |
| Chloroform | ND | | ug/kg | 2.0 | 0.18 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 1.3 | 0.30 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 1.3 | 0.16 | 1 |
| Dibromochloromethane | ND | | ug/kg | 1.3 | 0.18 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 1.3 | 0.35 | 1 |
| Tetrachloroethene | 0.45 | J | ug/kg | 0.66 | 0.26 | 1 |
| Chlorobenzene | ND | | ug/kg | 0.66 | 0.17 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 5.2 | 0.91 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 1.3 | 0.34 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 0.66 | 0.22 | 1 |
| Bromodichloromethane | ND | | ug/kg | 0.66 | 0.14 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 1.3 | 0.36 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 0.66 | 0.21 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 0.66 | 0.21 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 0.66 | 0.21 | 1 |
| Bromoform | ND | | ug/kg | 5.2 | 0.32 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 0.66 | 0.22 | 1 |
| Benzene | ND | | ug/kg | 0.66 | 0.22 | 1 |
| Toluene | ND | | ug/kg | 1.3 | 0.71 | 1 |
| Ethylbenzene | ND | | ug/kg | 1.3 | 0.18 | 1 |
| Chloromethane | ND | | ug/kg | 5.2 | 1.2 | 1 |
| Bromomethane | ND | | ug/kg | 2.6 | 0.76 | 1 |
| Vinyl chloride | ND | | ug/kg | 1.3 | 0.44 | 1 |
| Chloroethane | ND | | ug/kg | 2.6 | 0.59 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 1.3 | 0.31 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 2.0 | 0.18 | 1 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-03 Date Collected: 03/20/19 10:05

Client ID: S-3 Date Received: 03/21/19

Sample Location: NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 5035 Low - Westborough Lab** | | | | | | |
| Trichloroethene | ND | | ug/kg | 0.66 | 0.18 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 2.6 | 0.19 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 2.6 | 0.19 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 2.6 | 0.22 | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 2.6 | 0.26 | 1 |
| p/m-Xylene | ND | | ug/kg | 2.6 | 0.74 | 1 |
| o-Xylene | ND | | ug/kg | 1.3 | 0.38 | 1 |
| Xylenes, Total | ND | | ug/kg | 1.3 | 0.38 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 1.3 | 0.23 | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 1.3 | 0.18 | 1 |
| Dibromomethane | ND | | ug/kg | 2.6 | 0.31 | 1 |
| Styrene | ND | | ug/kg | 1.3 | 0.26 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 13 | 1.2 | 1 |
| Acetone | 13 | | ug/kg | 13 | 6.3 | 1 |
| Carbon disulfide | ND | | ug/kg | 13 | 6.0 | 1 |
| 2-Butanone | ND | | ug/kg | 13 | 2.9 | 1 |
| Vinyl acetate | ND | | ug/kg | 13 | 2.8 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 13 | 1.7 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 2.6 | 0.17 | 1 |
| 2-Hexanone | ND | | ug/kg | 13 | 1.5 | 1 |
| Bromochloromethane | ND | | ug/kg | 2.6 | 0.27 | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 2.6 | 0.26 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 1.3 | 0.37 | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 2.6 | 0.22 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 0.66 | 0.17 | 1 |
| Bromobenzene | ND | | ug/kg | 2.6 | 0.19 | 1 |
| n-Butylbenzene | ND | | ug/kg | 1.3 | 0.22 | 1 |
| sec-Butylbenzene | ND | | ug/kg | 1.3 | 0.19 | 1 |
| tert-Butylbenzene | ND | | ug/kg | 2.6 | 0.15 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 2.6 | 0.25 | 1 |
| p-Chlorotoluene | ND | | ug/kg | 2.6 | 0.14 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 3.9 | 1.3 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 5.2 | 0.22 | 1 |
| Isopropylbenzene | ND | | ug/kg | 1.3 | 0.14 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 1.3 | 0.14 | 1 |
| Naphthalene | 2.5 | J | ug/kg | 5.2 | 0.85 | 1 |
| Acrylonitrile | ND | | ug/kg | 5.2 | 1.5 | 1 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-03 Date Collected: 03/20/19 10:05

Client ID: S-3 Date Received: 03/21/19

Sample Location: NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 5035 Low - Westborough Lab** | | | | | | |
| n-Propylbenzene | ND | | ug/kg | 1.3 | 0.22 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 2.6 | 0.42 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 2.6 | 0.36 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 2.6 | 0.25 | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 2.6 | 0.44 | 1 |
| 1,4-Dioxane | ND | | ug/kg | 100 | 46. | 1 |
| p-Diethylbenzene | ND | | ug/kg | 2.6 | 0.23 | 1 |
| p-Ethyltoluene | ND | | ug/kg | 2.6 | 0.50 | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 2.6 | 0.25 | 1 |
| Ethyl ether | ND | | ug/kg | 2.6 | 0.45 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 6.6 | 1.9 | 1 |
| **Tentatively Identified Compounds** | | | | | | |
| Total TIC Compounds | 26.2 | J | ug/kg | | | 1 |
| Unknown | 17.6 | J | ug/kg | | | 1 |
| Unknown | 3.68 | J | ug/kg | | | 1 |
| Unknown | 4.91 | J | ug/kg | | | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 99 | | 70-130 |
| Toluene-d8 | 100 | | 70-130 |
| 4-Bromofluorobenzene | 96 | | 70-130 |
| Dibromofluoromethane | 99 | | 70-130 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-04
Client ID: S-4
Sample Location: NY

Date Collected: 03/20/19 11:00
Date Received: 03/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/28/19 12:00
Analyst: MV
Percent Solids: 81%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 5035 Low - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/kg | 6.0 | 2.7 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 1.2 | 0.17 | 1 |
| Chloroform | ND | | ug/kg | 1.8 | 0.17 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 1.2 | 0.27 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 1.2 | 0.15 | 1 |
| Dibromochloromethane | ND | | ug/kg | 1.2 | 0.17 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 1.2 | 0.32 | 1 |
| Tetrachloroethene | ND | | ug/kg | 0.60 | 0.23 | 1 |
| Chlorobenzene | ND | | ug/kg | 0.60 | 0.15 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 4.8 | 0.83 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 1.2 | 0.31 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 0.60 | 0.20 | 1 |
| Bromodichloromethane | ND | | ug/kg | 0.60 | 0.13 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 1.2 | 0.33 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 0.60 | 0.19 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 0.60 | 0.19 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 0.60 | 0.19 | 1 |
| Bromoform | ND | | ug/kg | 4.8 | 0.29 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 0.60 | 0.20 | 1 |
| Benzene | ND | | ug/kg | 0.60 | 0.20 | 1 |
| Toluene | ND | | ug/kg | 1.2 | 0.65 | 1 |
| Ethylbenzene | ND | | ug/kg | 1.2 | 0.17 | 1 |
| Chloromethane | ND | | ug/kg | 4.8 | 1.1 | 1 |
| Bromomethane | ND | | ug/kg | 2.4 | 0.69 | 1 |
| Vinyl chloride | ND | | ug/kg | 1.2 | 0.40 | 1 |
| Chloroethane | ND | | ug/kg | 2.4 | 0.54 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 1.2 | 0.28 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 1.8 | 0.16 | 1 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-04 Date Collected: 03/20/19 11:00

Client ID: S-4 Date Received: 03/21/19

Sample Location: NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 5035 Low - Westborough Lab** | | | | | | |
| Trichloroethene | ND | | ug/kg | 0.60 | 0.16 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 2.4 | 0.17 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 2.4 | 0.18 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 2.4 | 0.20 | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 2.4 | 0.24 | 1 |
| p/m-Xylene | ND | | ug/kg | 2.4 | 0.67 | 1 |
| o-Xylene | ND | | ug/kg | 1.2 | 0.35 | 1 |
| Xylenes, Total | ND | | ug/kg | 1.2 | 0.35 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 1.2 | 0.21 | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 1.2 | 0.16 | 1 |
| Dibromomethane | ND | | ug/kg | 2.4 | 0.28 | 1 |
| Styrene | ND | | ug/kg | 1.2 | 0.23 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 12 | 1.1 | 1 |
| Acetone | 12 | | ug/kg | 12 | 5.7 | 1 |
| Carbon disulfide | ND | | ug/kg | 12 | 5.4 | 1 |
| 2-Butanone | ND | | ug/kg | 12 | 2.6 | 1 |
| Vinyl acetate | ND | | ug/kg | 12 | 2.6 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 12 | 1.5 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 2.4 | 0.15 | 1 |
| 2-Hexanone | ND | | ug/kg | 12 | 1.4 | 1 |
| Bromochloromethane | ND | | ug/kg | 2.4 | 0.24 | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 2.4 | 0.24 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 1.2 | 0.33 | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 2.4 | 0.20 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 0.60 | 0.16 | 1 |
| Bromobenzene | ND | | ug/kg | 2.4 | 0.17 | 1 |
| n-Butylbenzene | ND | | ug/kg | 1.2 | 0.20 | 1 |
| sec-Butylbenzene | ND | | ug/kg | 1.2 | 0.17 | 1 |
| tert-Butylbenzene | ND | | ug/kg | 2.4 | 0.14 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 2.4 | 0.23 | 1 |
| p-Chlorotoluene | ND | | ug/kg | 2.4 | 0.13 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 3.6 | 1.2 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 4.8 | 0.20 | 1 |
| Isopropylbenzene | ND | | ug/kg | 1.2 | 0.13 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 1.2 | 0.13 | 1 |
| Naphthalene | ND | | ug/kg | 4.8 | 0.78 | 1 |
| Acrylonitrile | ND | | ug/kg | 4.8 | 1.4 | 1 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-04 Date Collected: 03/20/19 11:00

Client ID: S-4 Date Received: 03/21/19

Sample Location: NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 5035 Low - Westborough Lab** | | | | | | |
| n-Propylbenzene | ND | | ug/kg | 1.2 | 0.20 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 2.4 | 0.38 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 2.4 | 0.32 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 2.4 | 0.23 | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 2.4 | 0.40 | 1 |
| 1,4-Dioxane | ND | | ug/kg | 96 | 42. | 1 |
| p-Diethylbenzene | ND | | ug/kg | 2.4 | 0.21 | 1 |
| p-Ethyltoluene | ND | | ug/kg | 2.4 | 0.46 | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 2.4 | 0.23 | 1 |
| Ethyl ether | ND | | ug/kg | 2.4 | 0.41 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 6.0 | 1.7 | 1 |
| **Tentatively Identified Compounds** | | | | | | |
| Total TIC Compounds | 28.0 | J | ug/kg | | | 1 |
| Unknown | 10.0 | J | ug/kg | | | 1 |
| Unknown | 3.85 | J | ug/kg | | | 1 |
| Unknown Alkane | 2.83 | J | ug/kg | | | 1 |
| Unknown | 3.28 | J | ug/kg | | | 1 |
| Unknown Alkane | 8.07 | J | ug/kg | | | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 102 | | 70-130 |
| Toluene-d8 | 100 | | 70-130 |
| 4-Bromofluorobenzene | 97 | | 70-130 |
| Dibromofluoromethane | 106 | | 70-130 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-05
Client ID: S-5
Sample Location: NY

Date Collected: 03/20/19 11:20
Date Received: 03/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/28/19 12:56
Analyst: MKS
Percent Solids: 81%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 5035 Low - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/kg | 5.7 | 2.6 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 1.1 | 0.17 | 1 |
| Chloroform | ND | | ug/kg | 1.7 | 0.16 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 1.1 | 0.26 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 1.1 | 0.14 | 1 |
| Dibromochloromethane | ND | | ug/kg | 1.1 | 0.16 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 1.1 | 0.31 | 1 |
| Tetrachloroethene | 0.32 | J | ug/kg | 0.57 | 0.22 | 1 |
| Chlorobenzene | ND | | ug/kg | 0.57 | 0.14 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 4.6 | 0.80 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 1.1 | 0.30 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 0.57 | 0.19 | 1 |
| Bromodichloromethane | ND | | ug/kg | 0.57 | 0.12 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 1.1 | 0.31 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 0.57 | 0.18 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 0.57 | 0.18 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 0.57 | 0.18 | 1 |
| Bromoform | ND | | ug/kg | 4.6 | 0.28 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 0.57 | 0.19 | 1 |
| Benzene | ND | | ug/kg | 0.57 | 0.19 | 1 |
| Toluene | ND | | ug/kg | 1.1 | 0.62 | 1 |
| Ethylbenzene | ND | | ug/kg | 1.1 | 0.16 | 1 |
| Chloromethane | ND | | ug/kg | 4.6 | 1.1 | 1 |
| Bromomethane | ND | | ug/kg | 2.3 | 0.67 | 1 |
| Vinyl chloride | ND | | ug/kg | 1.1 | 0.38 | 1 |
| Chloroethane | ND | | ug/kg | 2.3 | 0.52 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 1.1 | 0.27 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 1.7 | 0.16 | 1 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-05 Date Collected: 03/20/19 11:20

Client ID: S-5 Date Received: 03/21/19

Sample Location: NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 5035 Low - Westborough Lab** | | | | | | |
| Trichloroethene | ND | | ug/kg | 0.57 | 0.16 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 2.3 | 0.16 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 2.3 | 0.17 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 2.3 | 0.20 | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 2.3 | 0.23 | 1 |
| p/m-Xylene | ND | | ug/kg | 2.3 | 0.64 | 1 |
| o-Xylene | ND | | ug/kg | 1.1 | 0.33 | 1 |
| Xylenes, Total | ND | | ug/kg | 1.1 | 0.33 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 1.1 | 0.20 | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 1.1 | 0.16 | 1 |
| Dibromomethane | ND | | ug/kg | 2.3 | 0.27 | 1 |
| Styrene | ND | | ug/kg | 1.1 | 0.22 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 11 | 1.0 | 1 |
| Acetone | 76 | | ug/kg | 11 | 5.5 | 1 |
| Carbon disulfide | ND | | ug/kg | 11 | 5.2 | 1 |
| 2-Butanone | ND | | ug/kg | 11 | 2.6 | 1 |
| Vinyl acetate | ND | | ug/kg | 11 | 2.5 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 11 | 1.5 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 2.3 | 0.14 | 1 |
| 2-Hexanone | ND | | ug/kg | 11 | 1.4 | 1 |
| Bromochloromethane | ND | | ug/kg | 2.3 | 0.24 | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 2.3 | 0.23 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 1.1 | 0.32 | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 2.3 | 0.19 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 0.57 | 0.15 | 1 |
| Bromobenzene | ND | | ug/kg | 2.3 | 0.17 | 1 |
| n-Butylbenzene | ND | | ug/kg | 1.1 | 0.19 | 1 |
| sec-Butylbenzene | ND | | ug/kg | 1.1 | 0.17 | 1 |
| tert-Butylbenzene | ND | | ug/kg | 2.3 | 0.14 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 2.3 | 0.22 | 1 |
| p-Chlorotoluene | ND | | ug/kg | 2.3 | 0.12 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 3.4 | 1.1 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 4.6 | 0.19 | 1 |
| Isopropylbenzene | ND | | ug/kg | 1.1 | 0.12 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 1.1 | 0.12 | 1 |
| Naphthalene | ND | | ug/kg | 4.6 | 0.75 | 1 |
| Acrylonitrile | ND | | ug/kg | 4.6 | 1.3 | 1 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-05 Date Collected: 03/20/19 11:20

Client ID: S-5 Date Received: 03/21/19

Sample Location: NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 5035 Low - Westborough Lab** | | | | | | |
| n-Propylbenzene | ND | | ug/kg | 1.1 | 0.20 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 2.3 | 0.37 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 2.3 | 0.31 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 2.3 | 0.22 | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 2.3 | 0.38 | 1 |
| 1,4-Dioxane | ND | | ug/kg | 92 | 40. | 1 |
| p-Diethylbenzene | ND | | ug/kg | 2.3 | 0.20 | 1 |
| p-Ethyltoluene | ND | | ug/kg | 2.3 | 0.44 | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 2.3 | 0.22 | 1 |
| Ethyl ether | ND | | ug/kg | 2.3 | 0.39 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 5.7 | 1.6 | 1 |
| **Tentatively Identified Compounds** | | | | | | |
| Total TIC Compounds | 38.1 | J | ug/kg | | | 1 |
| Unknown | 4.83 | J | ug/kg | | | 1 |
| Cyclotrisiloxane, Hexamethyl- | 4.68 | NJ | ug/kg | | | 1 |
| Unknown | 28.6 | J | ug/kg | | | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 101 | | 70-130 |
| Toluene-d8 | 101 | | 70-130 |
| 4-Bromofluorobenzene | 93 | | 70-130 |
| Dibromofluoromethane | 104 | | 70-130 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-06
Client ID: S-6
Sample Location: NY

Date Collected: 03/20/19 11:30
Date Received: 03/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/28/19 13:24
Analyst: MKS
Percent Solids: 85%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 5035 Low - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/kg | 5.1 | 2.3 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 1.0 | 0.15 | 1 |
| Chloroform | ND | | ug/kg | 1.5 | 0.14 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 1.0 | 0.23 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 1.0 | 0.13 | 1 |
| Dibromochloromethane | ND | | ug/kg | 1.0 | 0.14 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 1.0 | 0.27 | 1 |
| Tetrachloroethene | ND | | ug/kg | 0.51 | 0.20 | 1 |
| Chlorobenzene | ND | | ug/kg | 0.51 | 0.13 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 4.0 | 0.70 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 1.0 | 0.26 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 0.51 | 0.17 | 1 |
| Bromodichloromethane | ND | | ug/kg | 0.51 | 0.11 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 1.0 | 0.28 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 0.51 | 0.16 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 0.51 | 0.16 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 0.51 | 0.16 | 1 |
| Bromoform | ND | | ug/kg | 4.0 | 0.25 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 0.51 | 0.17 | 1 |
| Benzene | ND | | ug/kg | 0.51 | 0.17 | 1 |
| Toluene | ND | | ug/kg | 1.0 | 0.55 | 1 |
| Ethylbenzene | ND | | ug/kg | 1.0 | 0.14 | 1 |
| Chloromethane | ND | | ug/kg | 4.0 | 0.94 | 1 |
| Bromomethane | ND | | ug/kg | 2.0 | 0.59 | 1 |
| Vinyl chloride | ND | | ug/kg | 1.0 | 0.34 | 1 |
| Chloroethane | ND | | ug/kg | 2.0 | 0.46 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 1.0 | 0.24 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 1.5 | 0.14 | 1 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-06 Date Collected: 03/20/19 11:30

Client ID: S-6 Date Received: 03/21/19

Sample Location: NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 5035 Low - Westborough Lab** | | | | | | |
| Trichloroethene | ND | | ug/kg | 0.51 | 0.14 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 2.0 | 0.14 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 2.0 | 0.15 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 2.0 | 0.17 | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 2.0 | 0.20 | 1 |
| p/m-Xylene | ND | | ug/kg | 2.0 | 0.57 | 1 |
| o-Xylene | ND | | ug/kg | 1.0 | 0.29 | 1 |
| Xylenes, Total | ND | | ug/kg | 1.0 | 0.29 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 1.0 | 0.18 | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 1.0 | 0.14 | 1 |
| Dibromomethane | ND | | ug/kg | 2.0 | 0.24 | 1 |
| Styrene | ND | | ug/kg | 1.0 | 0.20 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 10 | 0.93 | 1 |
| Acetone | 5.6 | J | ug/kg | 10 | 4.9 | 1 |
| Carbon disulfide | ND | | ug/kg | 10 | 4.6 | 1 |
| 2-Butanone | ND | | ug/kg | 10 | 2.2 | 1 |
| Vinyl acetate | ND | | ug/kg | 10 | 2.2 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 10 | 1.3 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 2.0 | 0.13 | 1 |
| 2-Hexanone | ND | | ug/kg | 10 | 1.2 | 1 |
| Bromochloromethane | ND | | ug/kg | 2.0 | 0.21 | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 2.0 | 0.20 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 1.0 | 0.28 | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 2.0 | 0.17 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 0.51 | 0.13 | 1 |
| Bromobenzene | ND | | ug/kg | 2.0 | 0.15 | 1 |
| n-Butylbenzene | ND | | ug/kg | 1.0 | 0.17 | 1 |
| sec-Butylbenzene | ND | | ug/kg | 1.0 | 0.15 | 1 |
| tert-Butylbenzene | ND | | ug/kg | 2.0 | 0.12 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 2.0 | 0.19 | 1 |
| p-Chlorotoluene | ND | | ug/kg | 2.0 | 0.11 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 3.0 | 1.0 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 4.0 | 0.17 | 1 |
| Isopropylbenzene | ND | | ug/kg | 1.0 | 0.11 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 1.0 | 0.11 | 1 |
| Naphthalene | ND | | ug/kg | 4.0 | 0.66 | 1 |
| Acrylonitrile | ND | | ug/kg | 4.0 | 1.2 | 1 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-06 Date Collected: 03/20/19 11:30

Client ID: S-6 Date Received: 03/21/19

Sample Location: NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 5035 Low - Westborough Lab** | | | | | | |
| n-Propylbenzene | ND | | ug/kg | 1.0 | 0.17 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 2.0 | 0.33 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 2.0 | 0.28 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 2.0 | 0.20 | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 2.0 | 0.34 | 1 |
| 1,4-Dioxane | ND | | ug/kg | 81 | 36. | 1 |
| p-Diethylbenzene | ND | | ug/kg | 2.0 | 0.18 | 1 |
| p-Ethyltoluene | ND | | ug/kg | 2.0 | 0.39 | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 2.0 | 0.19 | 1 |
| Ethyl ether | ND | | ug/kg | 2.0 | 0.34 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 5.1 | 1.4 | 1 |
| **Tentatively Identified Compounds** | | | | | | |
| Total TIC Compounds | 23.0 | J | ug/kg | | | 1 |
| Unknown | 7.05 | J | ug/kg | | | 1 |
| Unknown | 2.47 | J | ug/kg | | | 1 |
| Unknown | 2.76 | J | ug/kg | | | 1 |
| Unknown | 7.63 | J | ug/kg | | | 1 |
| Unknown | 3.07 | J | ug/kg | | | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 103 | | 70-130 |
| Toluene-d8 | 101 | | 70-130 |
| 4-Bromofluorobenzene | 92 | | 70-130 |
| Dibromofluoromethane | 104 | | 70-130 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-07
Client ID: S-7
Sample Location: NY

Date Collected: 03/20/19 11:50
Date Received: 03/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/27/19 23:54
Analyst: BD
Percent Solids: 91%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 5035 High - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/kg | 250 | 110 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 50 | 7.2 | 1 |
| Chloroform | ND | | ug/kg | 74 | 6.9 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 50 | 11. | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 50 | 6.2 | 1 |
| Dibromochloromethane | ND | | ug/kg | 50 | 6.9 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 50 | 13. | 1 |
| Tetrachloroethene | ND | | ug/kg | 25 | 9.7 | 1 |
| Chlorobenzene | ND | | ug/kg | 25 | 6.3 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 200 | 34. | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 50 | 13. | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 25 | 8.3 | 1 |
| Bromodichloromethane | ND | | ug/kg | 25 | 5.4 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 50 | 14. | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 25 | 7.8 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 25 | 7.8 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 25 | 7.9 | 1 |
| Bromoform | ND | | ug/kg | 200 | 12. | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 25 | 8.2 | 1 |
| Benzene | 53 | | ug/kg | 25 | 8.2 | 1 |
| Toluene | ND | | ug/kg | 50 | 27. | 1 |
| Ethylbenzene | ND | | ug/kg | 50 | 7.0 | 1 |
| Chloromethane | ND | | ug/kg | 200 | 46. | 1 |
| Bromomethane | ND | | ug/kg | 99 | 29. | 1 |
| Vinyl chloride | ND | | ug/kg | 50 | 16. | 1 |
| Chloroethane | ND | | ug/kg | 99 | 22. | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 50 | 12. | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 74 | 6.8 | 1 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-07 Date Collected: 03/20/19 11:50

Client ID: S-7 Date Received: 03/21/19

Sample Location: NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 5035 High - Westborough Lab** | | | | | | |
| Trichloroethene | ND | | ug/kg | 25 | 6.8 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 99 | 7.1 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 99 | 7.3 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 99 | 8.5 | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 99 | 10. | 1 |
| p/m-Xylene | 30 | J | ug/kg | 99 | 28. | 1 |
| o-Xylene | 28 | J | ug/kg | 50 | 14. | 1 |
| Xylenes, Total | 58 | J | ug/kg | 50 | 14. | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 50 | 8.7 | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 50 | 6.8 | 1 |
| Dibromomethane | ND | | ug/kg | 99 | 12. | 1 |
| Styrene | ND | | ug/kg | 50 | 9.7 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 500 | 45. | 1 |
| Acetone | 600 | | ug/kg | 500 | 240 | 1 |
| Carbon disulfide | ND | | ug/kg | 500 | 220 | 1 |
| 2-Butanone | ND | | ug/kg | 500 | 110 | 1 |
| Vinyl acetate | ND | | ug/kg | 500 | 110 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 500 | 63. | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 99 | 6.3 | 1 |
| 2-Hexanone | ND | | ug/kg | 500 | 58. | 1 |
| Bromochloromethane | ND | | ug/kg | 99 | 10. | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 99 | 10. | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 50 | 14. | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 99 | 8.3 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 25 | 6.5 | 1 |
| Bromobenzene | ND | | ug/kg | 99 | 7.2 | 1 |
| n-Butylbenzene | ND | | ug/kg | 50 | 8.3 | 1 |
| sec-Butylbenzene | ND | | ug/kg | 50 | 7.2 | 1 |
| tert-Butylbenzene | ND | | ug/kg | 99 | 5.8 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 99 | 9.4 | 1 |
| p-Chlorotoluene | ND | | ug/kg | 99 | 5.3 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 150 | 49. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 200 | 8.4 | 1 |
| Isopropylbenzene | 35 | J | ug/kg | 50 | 5.4 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 50 | 5.4 | 1 |
| Naphthalene | 180 | J | ug/kg | 200 | 32. | 1 |
| Acrylonitrile | ND | | ug/kg | 200 | 57. | 1 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-07 Date Collected: 03/20/19 11:50

Client ID: S-7 Date Received: 03/21/19

Sample Location: NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 5035 High - Westborough Lab** | | | | | | |
| n-Propylbenzene | ND | | ug/kg | 50 | 8.5 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 99 | 16. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 99 | 13. | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 99 | 9.6 | 1 |
| 1,2,4-Trimethylbenzene | 40 | J | ug/kg | 99 | 16. | 1 |
| 1,4-Dioxane | ND | | ug/kg | 4000 | 1700 | 1 |
| p-Diethylbenzene | ND | | ug/kg | 99 | 8.8 | 1 |
| p-Ethyltoluene | ND | | ug/kg | 99 | 19. | 1 |
| 1,2,4,5-Tetramethylbenzene | 12 | J | ug/kg | 99 | 9.4 | 1 |
| Ethyl ether | ND | | ug/kg | 99 | 17. | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 250 | 70. | 1 |
| **Tentatively Identified Compounds** | | | | | | |
| Total TIC Compounds | 2120 | J | ug/kg | | | 1 |
| Indane | 1330 | NJ | ug/kg | | | 1 |
| Unknown | 178 | J | ug/kg | | | 1 |
| Unknown Aromatic | 137 | J | ug/kg | | | 1 |
| Unknown | 294 | J | ug/kg | | | 1 |
| Unknown Naphthalene | 176 | J | ug/kg | | | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 99 | | 70-130 |
| Toluene-d8 | 101 | | 70-130 |
| 4-Bromofluorobenzene | 100 | | 70-130 |
| Dibromofluoromethane | 96 | | 70-130 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-08
Client ID: S-8
Sample Location: NY

Date Collected: 03/20/19 12:05
Date Received: 03/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/28/19 13:52
Analyst: MKS
Percent Solids: 86%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 5035 Low - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/kg | 5.3 | 2.4 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 1.1 | 0.15 | 1 |
| Chloroform | ND | | ug/kg | 1.6 | 0.15 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 1.1 | 0.24 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 1.1 | 0.13 | 1 |
| Dibromochloromethane | ND | | ug/kg | 1.1 | 0.15 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 1.1 | 0.28 | 1 |
| Tetrachloroethene | ND | | ug/kg | 0.53 | 0.21 | 1 |
| Chlorobenzene | ND | | ug/kg | 0.53 | 0.14 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 4.3 | 0.74 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 1.1 | 0.27 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 0.53 | 0.18 | 1 |
| Bromodichloromethane | ND | | ug/kg | 0.53 | 0.12 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 1.1 | 0.29 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 0.53 | 0.17 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 0.53 | 0.17 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 0.53 | 0.17 | 1 |
| Bromoform | ND | | ug/kg | 4.3 | 0.26 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 0.53 | 0.18 | 1 |
| Benzene | 0.80 | | ug/kg | 0.53 | 0.18 | 1 |
| Toluene | ND | | ug/kg | 1.1 | 0.58 | 1 |
| Ethylbenzene | ND | | ug/kg | 1.1 | 0.15 | 1 |
| Chloromethane | ND | | ug/kg | 4.3 | 0.99 | 1 |
| Bromomethane | ND | | ug/kg | 2.1 | 0.62 | 1 |
| Vinyl chloride | ND | | ug/kg | 1.1 | 0.36 | 1 |
| Chloroethane | ND | | ug/kg | 2.1 | 0.48 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 1.1 | 0.25 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 1.6 | 0.14 | 1 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-08 Date Collected: 03/20/19 12:05

Client ID: S-8 Date Received: 03/21/19

Sample Location: NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 5035 Low - Westborough Lab** | | | | | | |
| Trichloroethene | ND | | ug/kg | 0.53 | 0.14 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 2.1 | 0.15 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 2.1 | 0.16 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 2.1 | 0.18 | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 2.1 | 0.21 | 1 |
| p/m-Xylene | ND | | ug/kg | 2.1 | 0.60 | 1 |
| o-Xylene | ND | | ug/kg | 1.1 | 0.31 | 1 |
| Xylenes, Total | ND | | ug/kg | 1.1 | 0.31 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 1.1 | 0.19 | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 1.1 | 0.14 | 1 |
| Dibromomethane | ND | | ug/kg | 2.1 | 0.25 | 1 |
| Styrene | ND | | ug/kg | 1.1 | 0.21 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 11 | 0.97 | 1 |
| Acetone | ND | | ug/kg | 11 | 5.1 | 1 |
| Carbon disulfide | ND | | ug/kg | 11 | 4.8 | 1 |
| 2-Butanone | ND | | ug/kg | 11 | 2.4 | 1 |
| Vinyl acetate | ND | | ug/kg | 11 | 2.3 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 11 | 1.4 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 2.1 | 0.14 | 1 |
| 2-Hexanone | ND | | ug/kg | 11 | 1.2 | 1 |
| Bromochloromethane | ND | | ug/kg | 2.1 | 0.22 | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 2.1 | 0.22 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 1.1 | 0.30 | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 2.1 | 0.18 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 0.53 | 0.14 | 1 |
| Bromobenzene | ND | | ug/kg | 2.1 | 0.15 | 1 |
| n-Butylbenzene | ND | | ug/kg | 1.1 | 0.18 | 1 |
| sec-Butylbenzene | ND | | ug/kg | 1.1 | 0.16 | 1 |
| tert-Butylbenzene | ND | | ug/kg | 2.1 | 0.12 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 2.1 | 0.20 | 1 |
| p-Chlorotoluene | ND | | ug/kg | 2.1 | 0.12 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 3.2 | 1.1 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 4.3 | 0.18 | 1 |
| Isopropylbenzene | ND | | ug/kg | 1.1 | 0.12 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 1.1 | 0.12 | 1 |
| Naphthalene | ND | | ug/kg | 4.3 | 0.69 | 1 |
| Acrylonitrile | ND | | ug/kg | 4.3 | 1.2 | 1 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-08 Date Collected: 03/20/19 12:05

Client ID: S-8 Date Received: 03/21/19

Sample Location: NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 5035 Low - Westborough Lab** | | | | | | |
| n-Propylbenzene | ND | | ug/kg | 1.1 | 0.18 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 2.1 | 0.34 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 2.1 | 0.29 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 2.1 | 0.20 | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 2.1 | 0.36 | 1 |
| 1,4-Dioxane | ND | | ug/kg | 85 | 37. | 1 |
| p-Diethylbenzene | ND | | ug/kg | 2.1 | 0.19 | 1 |
| p-Ethyltoluene | ND | | ug/kg | 2.1 | 0.41 | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 2.1 | 0.20 | 1 |
| Ethyl ether | ND | | ug/kg | 2.1 | 0.36 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 5.3 | 1.5 | 1 |
| **Tentatively Identified Compounds** | | | | | | |
| Total TIC Compounds | 18.7 | J | ug/kg | | | 1 |
| Unknown | 2.88 | J | ug/kg | | | 1 |
| Unknown Alkane | 7.81 | J | ug/kg | | | 1 |
| Unknown | 2.54 | J | ug/kg | | | 1 |
| Unknown | 2.67 | J | ug/kg | | | 1 |
| Unknown | 2.75 | J | ug/kg | | | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 101 | | 70-130 |
| Toluene-d8 | 100 | | 70-130 |
| 4-Bromofluorobenzene | 91 | | 70-130 |
| Dibromofluoromethane | 103 | | 70-130 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-09 D
Client ID: TWP-1
Sample Location: NY

Date Collected: 03/20/19 10:45
Date Received: 03/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/26/19 14:18
Analyst: PK

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/l | 10 | 2.8 | 4 |
| 1,1-Dichloroethane | ND | | ug/l | 10 | 2.8 | 4 |
| Chloroform | ND | | ug/l | 10 | 2.8 | 4 |
| Carbon tetrachloride | ND | | ug/l | 2.0 | 0.54 | 4 |
| 1,2-Dichloropropane | ND | | ug/l | 4.0 | 0.55 | 4 |
| Dibromochloromethane | ND | | ug/l | 2.0 | 0.60 | 4 |
| 1,1,2-Trichloroethane | ND | | ug/l | 6.0 | 2.0 | 4 |
| Tetrachloroethene | ND | | ug/l | 2.0 | 0.72 | 4 |
| Chlorobenzene | ND | | ug/l | 10 | 2.8 | 4 |
| Trichlorofluoromethane | ND | | ug/l | 10 | 2.8 | 4 |
| 1,2-Dichloroethane | ND | | ug/l | 2.0 | 0.53 | 4 |
| 1,1,1-Trichloroethane | ND | | ug/l | 10 | 2.8 | 4 |
| Bromodichloromethane | ND | | ug/l | 2.0 | 0.77 | 4 |
| trans-1,3-Dichloropropene | ND | | ug/l | 2.0 | 0.66 | 4 |
| cis-1,3-Dichloropropene | ND | | ug/l | 2.0 | 0.58 | 4 |
| 1,3-Dichloropropene, Total | ND | | ug/l | 2.0 | 0.58 | 4 |
| 1,1-Dichloropropene | ND | | ug/l | 10 | 2.8 | 4 |
| Bromoform | ND | | ug/l | 8.0 | 2.6 | 4 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/l | 2.0 | 0.67 | 4 |
| Benzene | 2.7 | | ug/l | 2.0 | 0.64 | 4 |
| Toluene | ND | | ug/l | 10 | 2.8 | 4 |
| Ethylbenzene | ND | | ug/l | 10 | 2.8 | 4 |
| Chloromethane | ND | | ug/l | 10 | 2.8 | 4 |
| Bromomethane | ND | | ug/l | 10 | 2.8 | 4 |
| Vinyl chloride | ND | | ug/l | 4.0 | 0.28 | 4 |
| Chloroethane | ND | | ug/l | 10 | 2.8 | 4 |
| 1,1-Dichloroethene | ND | | ug/l | 2.0 | 0.68 | 4 |
| trans-1,2-Dichloroethene | ND | | ug/l | 10 | 2.8 | 4 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-09 D
Client ID: TWP-1
Sample Location: NY

Date Collected: 03/20/19 10:45
Date Received: 03/21/19
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Trichloroethene | ND | | ug/l | 2.0 | 0.70 | 4 |
| 1,2-Dichlorobenzene | ND | | ug/l | 10 | 2.8 | 4 |
| 1,3-Dichlorobenzene | ND | | ug/l | 10 | 2.8 | 4 |
| 1,4-Dichlorobenzene | ND | | ug/l | 10 | 2.8 | 4 |
| Methyl tert butyl ether | ND | | ug/l | 10 | 2.8 | 4 |
| p/m-Xylene | 29 | | ug/l | 10 | 2.8 | 4 |
| o-Xylene | 11 | | ug/l | 10 | 2.8 | 4 |
| Xylenes, Total | 40 | | ug/l | 10 | 2.8 | 4 |
| cis-1,2-Dichloroethene | ND | | ug/l | 10 | 2.8 | 4 |
| 1,2-Dichloroethene, Total | ND | | ug/l | 10 | 2.8 | 4 |
| Dibromomethane | ND | | ug/l | 20 | 4.0 | 4 |
| 1,2,3-Trichloropropane | ND | | ug/l | 10 | 2.8 | 4 |
| Acrylonitrile | ND | | ug/l | 20 | 6.0 | 4 |
| Styrene | ND | | ug/l | 10 | 2.8 | 4 |
| Dichlorodifluoromethane | ND | | ug/l | 20 | 4.0 | 4 |
| Acetone | 8.3 | J | ug/l | 20 | 5.8 | 4 |
| Carbon disulfide | ND | | ug/l | 20 | 4.0 | 4 |
| 2-Butanone | ND | | ug/l | 20 | 7.8 | 4 |
| Vinyl acetate | ND | | ug/l | 20 | 4.0 | 4 |
| 4-Methyl-2-pentanone | ND | | ug/l | 20 | 4.0 | 4 |
| 2-Hexanone | ND | | ug/l | 20 | 4.0 | 4 |
| Bromochloromethane | ND | | ug/l | 10 | 2.8 | 4 |
| 2,2-Dichloropropane | ND | | ug/l | 10 | 2.8 | 4 |
| 1,2-Dibromoethane | ND | | ug/l | 8.0 | 2.6 | 4 |
| 1,3-Dichloropropane | ND | | ug/l | 10 | 2.8 | 4 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/l | 10 | 2.8 | 4 |
| Bromobenzene | ND | | ug/l | 10 | 2.8 | 4 |
| n-Butylbenzene | ND | | ug/l | 10 | 2.8 | 4 |
| sec-Butylbenzene | ND | | ug/l | 10 | 2.8 | 4 |
| tert-Butylbenzene | ND | | ug/l | 10 | 2.8 | 4 |
| o-Chlorotoluene | ND | | ug/l | 10 | 2.8 | 4 |
| p-Chlorotoluene | ND | | ug/l | 10 | 2.8 | 4 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/l | 10 | 2.8 | 4 |
| Hexachlorobutadiene | ND | | ug/l | 10 | 2.8 | 4 |
| Isopropylbenzene | ND | | ug/l | 10 | 2.8 | 4 |
| p-Isopropyltoluene | ND | | ug/l | 10 | 2.8 | 4 |
| Naphthalene | 480 | | ug/l | 10 | 2.8 | 4 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-09 D Date Collected: 03/20/19 10:45

Client ID: TWP-1 Date Received: 03/21/19

Sample Location: NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| n-Propylbenzene | ND | | ug/l | 10 | 2.8 | 4 |
| 1,2,3-Trichlorobenzene | ND | | ug/l | 10 | 2.8 | 4 |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 10 | 2.8 | 4 |
| 1,3,5-Trimethylbenzene | 6.6 | J | ug/l | 10 | 2.8 | 4 |
| 1,2,4-Trimethylbenzene | 16 | | ug/l | 10 | 2.8 | 4 |
| 1,4-Dioxane | ND | | ug/l | 1000 | 240 | 4 |
| p-Diethylbenzene | ND | | ug/l | 8.0 | 2.8 | 4 |
| p-Ethyltoluene | 3.6 | J | ug/l | 8.0 | 2.8 | 4 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/l | 8.0 | 2.2 | 4 |
| Ethyl ether | ND | | ug/l | 10 | 2.8 | 4 |
| trans-1,4-Dichloro-2-butene | ND | | ug/l | 10 | 2.8 | 4 |
| **Tentatively Identified Compounds** | | | | | | |
| Total TIC Compounds | 10.5 | J | ug/l | | | 4 |
| Unknown Aromatic | 5.40 | J | ug/l | | | 4 |
| Indane | 5.12 | NJ | ug/l | | | 4 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 107 | | 70-130 |
| Toluene-d8 | 104 | | 70-130 |
| 4-Bromofluorobenzene | 97 | | 70-130 |
| Dibromofluoromethane | 102 | | 70-130 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-10
Client ID: TWP-3
Sample Location: NY

Date Collected: 03/20/19 11:35
Date Received: 03/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/26/19 13:42
Analyst: PK

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,1-Dichloroethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Chloroform | ND | | ug/l | 2.5 | 0.70 | 1 |
| Carbon tetrachloride | ND | | ug/l | 0.50 | 0.13 | 1 |
| 1,2-Dichloropropane | ND | | ug/l | 1.0 | 0.14 | 1 |
| Dibromochloromethane | ND | | ug/l | 0.50 | 0.15 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/l | 1.5 | 0.50 | 1 |
| Tetrachloroethene | ND | | ug/l | 0.50 | 0.18 | 1 |
| Chlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Trichlorofluoromethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2-Dichloroethane | ND | | ug/l | 0.50 | 0.13 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Bromodichloromethane | ND | | ug/l | 0.50 | 0.19 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/l | 0.50 | 0.16 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/l | 0.50 | 0.14 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/l | 0.50 | 0.14 | 1 |
| 1,1-Dichloropropene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Bromoform | ND | | ug/l | 2.0 | 0.65 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/l | 0.50 | 0.17 | 1 |
| Benzene | 0.61 | | ug/l | 0.50 | 0.16 | 1 |
| Toluene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Ethylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Chloromethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Bromomethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Vinyl chloride | ND | | ug/l | 1.0 | 0.07 | 1 |
| Chloroethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,1-Dichloroethene | ND | | ug/l | 0.50 | 0.17 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 | 1 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-10 Date Collected: 03/20/19 11:35

Client ID: TWP-3 Date Received: 03/21/19

Sample Location: NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Trichloroethene | ND | | ug/l | 0.50 | 0.18 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Methyl tert butyl ether | ND | | ug/l | 2.5 | 0.70 | 1 |
| p/m-Xylene | 0.70 | J | ug/l | 2.5 | 0.70 | 1 |
| o-Xylene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Xylenes, Total | 0.70 | J | ug/l | 2.5 | 0.70 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/l | 2.5 | 0.70 | 1 |
| Dibromomethane | ND | | ug/l | 5.0 | 1.0 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Acrylonitrile | ND | | ug/l | 5.0 | 1.5 | 1 |
| Styrene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Dichlorodifluoromethane | ND | | ug/l | 5.0 | 1.0 | 1 |
| Acetone | 5.3 | | ug/l | 5.0 | 1.5 | 1 |
| Carbon disulfide | ND | | ug/l | 5.0 | 1.0 | 1 |
| 2-Butanone | ND | | ug/l | 5.0 | 1.9 | 1 |
| Vinyl acetate | ND | | ug/l | 5.0 | 1.0 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/l | 5.0 | 1.0 | 1 |
| 2-Hexanone | ND | | ug/l | 5.0 | 1.0 | 1 |
| Bromochloromethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 2,2-Dichloropropane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2-Dibromoethane | ND | | ug/l | 2.0 | 0.65 | 1 |
| 1,3-Dichloropropane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Bromobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| n-Butylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| sec-Butylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| tert-Butylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| o-Chlorotoluene | ND | | ug/l | 2.5 | 0.70 | 1 |
| p-Chlorotoluene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Hexachlorobutadiene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Isopropylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| p-Isopropyltoluene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Naphthalene | ND | | ug/l | 2.5 | 0.70 | 1 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-10 Date Collected: 03/20/19 11:35

Client ID: TWP-3 Date Received: 03/21/19

Sample Location: NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| n-Propylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,4-Dioxane | ND | | ug/l | 250 | 61. | 1 |
| p-Diethylbenzene | ND | | ug/l | 2.0 | 0.70 | 1 |
| p-Ethyltoluene | ND | | ug/l | 2.0 | 0.70 | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/l | 2.0 | 0.54 | 1 |
| Ethyl ether | ND | | ug/l | 2.5 | 0.70 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/l | 2.5 | 0.70 | 1 |
| **Tentatively Identified Compounds** | | | | | | |
| No Tentatively Identified Compounds | ND | | ug/l | | | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 106 | | 70-130 |
| Toluene-d8 | 104 | | 70-130 |
| 4-Bromofluorobenzene | 100 | | 70-130 |
| Dibromofluoromethane | 100 | | 70-130 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-11
Client ID: TWP-8
Sample Location: NY

Date Collected: 03/20/19 12:25
Date Received: 03/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/26/19 13:05
Analyst: PK

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,1-Dichloroethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Chloroform | ND | | ug/l | 2.5 | 0.70 | 1 |
| Carbon tetrachloride | ND | | ug/l | 0.50 | 0.13 | 1 |
| 1,2-Dichloropropane | ND | | ug/l | 1.0 | 0.14 | 1 |
| Dibromochloromethane | ND | | ug/l | 0.50 | 0.15 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/l | 1.5 | 0.50 | 1 |
| Tetrachloroethene | ND | | ug/l | 0.50 | 0.18 | 1 |
| Chlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Trichlorofluoromethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2-Dichloroethane | ND | | ug/l | 0.50 | 0.13 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Bromodichloromethane | ND | | ug/l | 0.50 | 0.19 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/l | 0.50 | 0.16 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/l | 0.50 | 0.14 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/l | 0.50 | 0.14 | 1 |
| 1,1-Dichloropropene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Bromoform | ND | | ug/l | 2.0 | 0.65 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/l | 0.50 | 0.17 | 1 |
| Benzene | ND | | ug/l | 0.50 | 0.16 | 1 |
| Toluene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Ethylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Chloromethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Bromomethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Vinyl chloride | ND | | ug/l | 1.0 | 0.07 | 1 |
| Chloroethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,1-Dichloroethene | ND | | ug/l | 0.50 | 0.17 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 | 1 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-11 Date Collected: 03/20/19 12:25

Client ID: TWP-8 Date Received: 03/21/19

Sample Location: NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Trichloroethene | ND | | ug/l | 0.50 | 0.18 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Methyl tert butyl ether | ND | | ug/l | 2.5 | 0.70 | 1 |
| p/m-Xylene | ND | | ug/l | 2.5 | 0.70 | 1 |
| o-Xylene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Xylenes, Total | ND | | ug/l | 2.5 | 0.70 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/l | 2.5 | 0.70 | 1 |
| Dibromomethane | ND | | ug/l | 5.0 | 1.0 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Acrylonitrile | ND | | ug/l | 5.0 | 1.5 | 1 |
| Styrene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Dichlorodifluoromethane | ND | | ug/l | 5.0 | 1.0 | 1 |
| Acetone | 4.8 | J | ug/l | 5.0 | 1.5 | 1 |
| Carbon disulfide | ND | | ug/l | 5.0 | 1.0 | 1 |
| 2-Butanone | ND | | ug/l | 5.0 | 1.9 | 1 |
| Vinyl acetate | ND | | ug/l | 5.0 | 1.0 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/l | 5.0 | 1.0 | 1 |
| 2-Hexanone | ND | | ug/l | 5.0 | 1.0 | 1 |
| Bromochloromethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 2,2-Dichloropropane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2-Dibromoethane | ND | | ug/l | 2.0 | 0.65 | 1 |
| 1,3-Dichloropropane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Bromobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| n-Butylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| sec-Butylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| tert-Butylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| o-Chlorotoluene | ND | | ug/l | 2.5 | 0.70 | 1 |
| p-Chlorotoluene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Hexachlorobutadiene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Isopropylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| p-Isopropyltoluene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Naphthalene | ND | | ug/l | 2.5 | 0.70 | 1 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-11 Date Collected: 03/20/19 12:25

Client ID: TWP-8 Date Received: 03/21/19

Sample Location: NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| n-Propylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,4-Dioxane | ND | | ug/l | 250 | 61. | 1 |
| p-Diethylbenzene | ND | | ug/l | 2.0 | 0.70 | 1 |
| p-Ethyltoluene | ND | | ug/l | 2.0 | 0.70 | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/l | 2.0 | 0.54 | 1 |
| Ethyl ether | ND | | ug/l | 2.5 | 0.70 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/l | 2.5 | 0.70 | 1 |
| **Tentatively Identified Compounds** | | | | | | |
| No Tentatively Identified Compounds | ND | | ug/l | | | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 105 | | 70-130 |
| Toluene-d8 | 104 | | 70-130 |
| 4-Bromofluorobenzene | 99 | | 70-130 |
| Dibromofluoromethane | 100 | | 70-130 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/26/19 08:51
Analyst: PD

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 09-11 Batch: WG1219825-5 | | | | | |
| Methylene chloride | ND | | ug/l | 2.5 | 0.70 |
| 1,1-Dichloroethane | ND | | ug/l | 2.5 | 0.70 |
| Chloroform | ND | | ug/l | 2.5 | 0.70 |
| Carbon tetrachloride | ND | | ug/l | 0.50 | 0.13 |
| 1,2-Dichloropropane | ND | | ug/l | 1.0 | 0.14 |
| Dibromochloromethane | ND | | ug/l | 0.50 | 0.15 |
| 1,1,2-Trichloroethane | ND | | ug/l | 1.5 | 0.50 |
| Tetrachloroethene | ND | | ug/l | 0.50 | 0.18 |
| Chlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| Trichlorofluoromethane | ND | | ug/l | 2.5 | 0.70 |
| 1,2-Dichloroethane | ND | | ug/l | 0.50 | 0.13 |
| 1,1,1-Trichloroethane | ND | | ug/l | 2.5 | 0.70 |
| Bromodichloromethane | ND | | ug/l | 0.50 | 0.19 |
| trans-1,3-Dichloropropene | ND | | ug/l | 0.50 | 0.16 |
| cis-1,3-Dichloropropene | ND | | ug/l | 0.50 | 0.14 |
| 1,3-Dichloropropene, Total | ND | | ug/l | 0.50 | 0.14 |
| 1,1-Dichloropropene | ND | | ug/l | 2.5 | 0.70 |
| Bromoform | ND | | ug/l | 2.0 | 0.65 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/l | 0.50 | 0.17 |
| Benzene | ND | | ug/l | 0.50 | 0.16 |
| Toluene | ND | | ug/l | 2.5 | 0.70 |
| Ethylbenzene | ND | | ug/l | 2.5 | 0.70 |
| Chloromethane | ND | | ug/l | 2.5 | 0.70 |
| Bromomethane | ND | | ug/l | 2.5 | 0.70 |
| Vinyl chloride | ND | | ug/l | 1.0 | 0.07 |
| Chloroethane | ND | | ug/l | 2.5 | 0.70 |
| 1,1-Dichloroethene | ND | | ug/l | 0.50 | 0.17 |
| trans-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 |
| Trichloroethene | ND | | ug/l | 0.50 | 0.18 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/26/19 08:51
Analyst: PD

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 09-11 Batch: WG1219825-5 | | | | | |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| Methyl tert butyl ether | ND | | ug/l | 2.5 | 0.70 |
| p/m-Xylene | ND | | ug/l | 2.5 | 0.70 |
| o-Xylene | ND | | ug/l | 2.5 | 0.70 |
| Xylenes, Total | ND | | ug/l | 2.5 | 0.70 |
| cis-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 |
| 1,2-Dichloroethene, Total | ND | | ug/l | 2.5 | 0.70 |
| Dibromomethane | ND | | ug/l | 5.0 | 1.0 |
| 1,2,3-Trichloropropane | ND | | ug/l | 2.5 | 0.70 |
| Acrylonitrile | ND | | ug/l | 5.0 | 1.5 |
| Styrene | ND | | ug/l | 2.5 | 0.70 |
| Dichlorodifluoromethane | ND | | ug/l | 5.0 | 1.0 |
| Acetone | ND | | ug/l | 5.0 | 1.5 |
| Carbon disulfide | ND | | ug/l | 5.0 | 1.0 |
| 2-Butanone | ND | | ug/l | 5.0 | 1.9 |
| Vinyl acetate | ND | | ug/l | 5.0 | 1.0 |
| 4-Methyl-2-pentanone | ND | | ug/l | 5.0 | 1.0 |
| 2-Hexanone | ND | | ug/l | 5.0 | 1.0 |
| Bromochloromethane | ND | | ug/l | 2.5 | 0.70 |
| 2,2-Dichloropropane | ND | | ug/l | 2.5 | 0.70 |
| 1,2-Dibromoethane | ND | | ug/l | 2.0 | 0.65 |
| 1,3-Dichloropropane | ND | | ug/l | 2.5 | 0.70 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/l | 2.5 | 0.70 |
| Bromobenzene | ND | | ug/l | 2.5 | 0.70 |
| n-Butylbenzene | ND | | ug/l | 2.5 | 0.70 |
| sec-Butylbenzene | ND | | ug/l | 2.5 | 0.70 |
| tert-Butylbenzene | ND | | ug/l | 2.5 | 0.70 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/26/19 08:51
Analyst: PD

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 09-11 Batch: WG1219825-5 | | | | | |
| o-Chlorotoluene | ND | | ug/l | 2.5 | 0.70 |
| p-Chlorotoluene | ND | | ug/l | 2.5 | 0.70 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/l | 2.5 | 0.70 |
| Hexachlorobutadiene | ND | | ug/l | 2.5 | 0.70 |
| Isopropylbenzene | ND | | ug/l | 2.5 | 0.70 |
| p-Isopropyltoluene | ND | | ug/l | 2.5 | 0.70 |
| Naphthalene | ND | | ug/l | 2.5 | 0.70 |
| n-Propylbenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,2,3-Trichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,3,5-Trimethylbenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,2,4-Trimethylbenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,4-Dioxane | ND | | ug/l | 250 | 61. |
| p-Diethylbenzene | ND | | ug/l | 2.0 | 0.70 |
| p-Ethyltoluene | ND | | ug/l | 2.0 | 0.70 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/l | 2.0 | 0.54 |
| Ethyl ether | ND | | ug/l | 2.5 | 0.70 |
| trans-1,4-Dichloro-2-butene | ND | | ug/l | 2.5 | 0.70 |
| Tentatively Identified Compounds | | | | | |
| No Tentatively Identified Compounds | ND | | ug/l | | |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/26/19 08:51
Analyst: PD

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 09-11 Batch: WG1219825-5 | | | | | |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 106 | | 70-130 |
| Toluene-d8 | 104 | | 70-130 |
| 4-Bromofluorobenzene | 100 | | 70-130 |
| Dibromofluoromethane | 101 | | 70-130 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/27/19 17:31
Analyst: AD

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02 Batch: WG1220438-5 | | | | | |
| Methylene chloride | ND | | ug/kg | 5.0 | 2.3 |
| 1,1-Dichloroethane | ND | | ug/kg | 1.0 | 0.14 |
| Chloroform | ND | | ug/kg | 1.5 | 0.14 |
| Carbon tetrachloride | ND | | ug/kg | 1.0 | 0.23 |
| 1,2-Dichloropropane | ND | | ug/kg | 1.0 | 0.12 |
| Dibromochloromethane | ND | | ug/kg | 1.0 | 0.14 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 1.0 | 0.27 |
| Tetrachloroethene | ND | | ug/kg | 0.50 | 0.20 |
| Chlorobenzene | ND | | ug/kg | 0.50 | 0.13 |
| Trichlorofluoromethane | ND | | ug/kg | 4.0 | 0.70 |
| 1,2-Dichloroethane | ND | | ug/kg | 1.0 | 0.26 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 0.50 | 0.17 |
| Bromodichloromethane | ND | | ug/kg | 0.50 | 0.11 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 1.0 | 0.27 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 0.50 | 0.16 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 0.50 | 0.16 |
| 1,1-Dichloropropene | ND | | ug/kg | 0.50 | 0.16 |
| Bromoform | ND | | ug/kg | 4.0 | 0.25 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 0.50 | 0.17 |
| Benzene | ND | | ug/kg | 0.50 | 0.17 |
| Toluene | ND | | ug/kg | 1.0 | 0.54 |
| Ethylbenzene | ND | | ug/kg | 1.0 | 0.14 |
| Chloromethane | ND | | ug/kg | 4.0 | 0.93 |
| Bromomethane | ND | | ug/kg | 2.0 | 0.58 |
| Vinyl chloride | ND | | ug/kg | 1.0 | 0.34 |
| Chloroethane | ND | | ug/kg | 2.0 | 0.45 |
| 1,1-Dichloroethene | ND | | ug/kg | 1.0 | 0.24 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 1.5 | 0.14 |
| Trichloroethene | ND | | ug/kg | 0.50 | 0.14 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/27/19 17:31
Analyst: AD

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02 Batch: WG1220438-5 | | | | | |
| 1,2-Dichlorobenzene | ND | | ug/kg | 2.0 | 0.14 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 2.0 | 0.15 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 2.0 | 0.17 |
| Methyl tert butyl ether | ND | | ug/kg | 2.0 | 0.20 |
| p/m-Xylene | ND | | ug/kg | 2.0 | 0.56 |
| o-Xylene | ND | | ug/kg | 1.0 | 0.29 |
| Xylenes, Total | ND | | ug/kg | 1.0 | 0.29 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 1.0 | 0.18 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 1.0 | 0.14 |
| Dibromomethane | ND | | ug/kg | 2.0 | 0.24 |
| Styrene | ND | | ug/kg | 1.0 | 0.20 |
| Dichlorodifluoromethane | ND | | ug/kg | 10 | 0.92 |
| Acetone | ND | | ug/kg | 10 | 4.8 |
| Carbon disulfide | ND | | ug/kg | 10 | 4.6 |
| 2-Butanone | ND | | ug/kg | 10 | 2.2 |
| Vinyl acetate | ND | | ug/kg | 10 | 2.2 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 10 | 1.3 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 2.0 | 0.13 |
| 2-Hexanone | ND | | ug/kg | 10 | 1.2 |
| Bromochloromethane | ND | | ug/kg | 2.0 | 0.20 |
| 2,2-Dichloropropane | ND | | ug/kg | 2.0 | 0.20 |
| 1,2-Dibromoethane | ND | | ug/kg | 1.0 | 0.28 |
| 1,3-Dichloropropane | ND | | ug/kg | 2.0 | 0.17 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 0.50 | 0.13 |
| Bromobenzene | ND | | ug/kg | 2.0 | 0.14 |
| n-Butylbenzene | ND | | ug/kg | 1.0 | 0.17 |
| sec-Butylbenzene | ND | | ug/kg | 1.0 | 0.15 |
| tert-Butylbenzene | ND | | ug/kg | 2.0 | 0.12 |
| o-Chlorotoluene | ND | | ug/kg | 2.0 | 0.19 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/27/19 17:31
Analyst: AD

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02 Batch: WG1220438-5 | | | | | |
| p-Chlorotoluene | ND | | ug/kg | 2.0 | 0.11 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 3.0 | 1.0 |
| Hexachlorobutadiene | ND | | ug/kg | 4.0 | 0.17 |
| Isopropylbenzene | ND | | ug/kg | 1.0 | 0.11 |
| p-Isopropyltoluene | ND | | ug/kg | 1.0 | 0.11 |
| Naphthalene | ND | | ug/kg | 4.0 | 0.65 |
| Acrylonitrile | ND | | ug/kg | 4.0 | 1.2 |
| n-Propylbenzene | ND | | ug/kg | 1.0 | 0.17 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 2.0 | 0.32 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 2.0 | 0.27 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 2.0 | 0.19 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 2.0 | 0.33 |
| 1,4-Dioxane | ND | | ug/kg | 80 | 35. |
| p-Diethylbenzene | ND | | ug/kg | 2.0 | 0.18 |
| p-Ethyltoluene | ND | | ug/kg | 2.0 | 0.38 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 2.0 | 0.19 |
| Ethyl ether | ND | | ug/kg | 2.0 | 0.34 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 5.0 | 1.4 |
| Tentatively Identified Compounds | | | | | |
| No Tentatively Identified Compounds | ND | | ug/kg | | |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/27/19 17:31
Analyst: AD

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02 Batch: WG1220438-5 | | | | | |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 95 | | 70-130 |
| Toluene-d8 | 100 | | 70-130 |
| 4-Bromofluorobenzene | 97 | | 70-130 |
| Dibromofluoromethane | 100 | | 70-130 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/27/19 18:16
Analyst: MKS

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 07 Batch: WG1220589-5 | | | | | |
| Methylene chloride | ND | | ug/kg | 250 | 110 |
| 1,1-Dichloroethane | ND | | ug/kg | 50 | 7.2 |
| Chloroform | ND | | ug/kg | 75 | 7.0 |
| Carbon tetrachloride | ND | | ug/kg | 50 | 12. |
| 1,2-Dichloropropane | ND | | ug/kg | 50 | 6.2 |
| Dibromochloromethane | ND | | ug/kg | 50 | 7.0 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 50 | 13. |
| Tetrachloroethene | ND | | ug/kg | 25 | 9.8 |
| Chlorobenzene | ND | | ug/kg | 25 | 6.4 |
| Trichlorofluoromethane | ND | | ug/kg | 200 | 35. |
| 1,2-Dichloroethane | ND | | ug/kg | 50 | 13. |
| 1,1,1-Trichloroethane | ND | | ug/kg | 25 | 8.4 |
| Bromodichloromethane | ND | | ug/kg | 25 | 5.4 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 50 | 14. |
| cis-1,3-Dichloropropene | ND | | ug/kg | 25 | 7.9 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 25 | 7.9 |
| 1,1-Dichloropropene | ND | | ug/kg | 25 | 8.0 |
| Bromoform | ND | | ug/kg | 200 | 12. |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 25 | 8.3 |
| Benzene | ND | | ug/kg | 25 | 8.3 |
| Toluene | ND | | ug/kg | 50 | 27. |
| Ethylbenzene | ND | | ug/kg | 50 | 7.0 |
| Chloromethane | ND | | ug/kg | 200 | 47. |
| Bromomethane | ND | | ug/kg | 100 | 29. |
| Vinyl chloride | ND | | ug/kg | 50 | 17. |
| Chloroethane | ND | | ug/kg | 100 | 23. |
| 1,1-Dichloroethene | ND | | ug/kg | 50 | 12. |
| trans-1,2-Dichloroethene | ND | | ug/kg | 75 | 6.8 |
| Trichloroethene | ND | | ug/kg | 25 | 6.8 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/27/19 18:16
Analyst: MKS

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 07 Batch: WG1220589-5 | | | | | |
| 1,2-Dichlorobenzene | ND | | ug/kg | 100 | 7.2 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 100 | 7.4 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 100 | 8.6 |
| Methyl tert butyl ether | ND | | ug/kg | 100 | 10. |
| p/m-Xylene | ND | | ug/kg | 100 | 28. |
| o-Xylene | ND | | ug/kg | 50 | 14. |
| Xylenes, Total | ND | | ug/kg | 50 | 14. |
| cis-1,2-Dichloroethene | ND | | ug/kg | 50 | 8.8 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 50 | 6.8 |
| Dibromomethane | ND | | ug/kg | 100 | 12. |
| Styrene | 12 | J | ug/kg | 50 | 9.8 |
| Dichlorodifluoromethane | ND | | ug/kg | 500 | 46. |
| Acetone | ND | | ug/kg | 500 | 240 |
| Carbon disulfide | ND | | ug/kg | 500 | 230 |
| 2-Butanone | ND | | ug/kg | 500 | 110 |
| Vinyl acetate | ND | | ug/kg | 500 | 110 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 500 | 64. |
| 1,2,3-Trichloropropane | ND | | ug/kg | 100 | 6.4 |
| 2-Hexanone | ND | | ug/kg | 500 | 59. |
| Bromochloromethane | ND | | ug/kg | 100 | 10. |
| 2,2-Dichloropropane | ND | | ug/kg | 100 | 10. |
| 1,2-Dibromoethane | ND | | ug/kg | 50 | 14. |
| 1,3-Dichloropropane | ND | | ug/kg | 100 | 8.4 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 25 | 6.6 |
| Bromobenzene | ND | | ug/kg | 100 | 7.2 |
| n-Butylbenzene | ND | | ug/kg | 50 | 8.4 |
| sec-Butylbenzene | ND | | ug/kg | 50 | 7.3 |
| tert-Butylbenzene | ND | | ug/kg | 100 | 5.9 |
| o-Chlorotoluene | ND | | ug/kg | 100 | 9.6 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/27/19 18:16
Analyst: MKS

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 07 Batch: WG1220589-5 | | | | | |
| p-Chlorotoluene | ND | | ug/kg | 100 | 5.4 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 150 | 50. |
| Hexachlorobutadiene | ND | | ug/kg | 200 | 8.4 |
| Isopropylbenzene | ND | | ug/kg | 50 | 5.4 |
| p-Isopropyltoluene | ND | | ug/kg | 50 | 5.4 |
| Naphthalene | ND | | ug/kg | 200 | 32. |
| Acrylonitrile | ND | | ug/kg | 200 | 58. |
| n-Propylbenzene | ND | | ug/kg | 50 | 8.6 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 100 | 16. |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 100 | 14. |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 100 | 9.6 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 100 | 17. |
| 1,4-Dioxane | ND | | ug/kg | 4000 | 1800 |
| p-Diethylbenzene | ND | | ug/kg | 100 | 8.8 |
| p-Ethyltoluene | ND | | ug/kg | 100 | 19. |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 100 | 9.6 |
| Ethyl ether | ND | | ug/kg | 100 | 17. |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 250 | 71. |
| Tentatively Identified Compounds | | | | | |
| No Tentatively Identified Compounds | ND | | ug/kg | | |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/27/19 18:16
Analyst: MKS

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 07 Batch: WG1220589-5 | | | | | |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 99 | | 70-130 |
| Toluene-d8 | 100 | | 70-130 |
| 4-Bromofluorobenzene | 102 | | 70-130 |
| Dibromofluoromethane | 95 | | 70-130 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/28/19 07:46
Analyst: MV

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 03-06,08 Batch: WG1220619-5 | | | | | |
| Methylene chloride | ND | | ug/kg | 5.0 | 2.3 |
| 1,1-Dichloroethane | ND | | ug/kg | 1.0 | 0.14 |
| Chloroform | ND | | ug/kg | 1.5 | 0.14 |
| Carbon tetrachloride | ND | | ug/kg | 1.0 | 0.23 |
| 1,2-Dichloropropane | ND | | ug/kg | 1.0 | 0.12 |
| Dibromochloromethane | ND | | ug/kg | 1.0 | 0.14 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 1.0 | 0.27 |
| Tetrachloroethene | ND | | ug/kg | 0.50 | 0.20 |
| Chlorobenzene | ND | | ug/kg | 0.50 | 0.13 |
| Trichlorofluoromethane | ND | | ug/kg | 4.0 | 0.70 |
| 1,2-Dichloroethane | ND | | ug/kg | 1.0 | 0.26 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 0.50 | 0.17 |
| Bromodichloromethane | ND | | ug/kg | 0.50 | 0.11 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 1.0 | 0.27 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 0.50 | 0.16 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 0.50 | 0.16 |
| 1,1-Dichloropropene | ND | | ug/kg | 0.50 | 0.16 |
| Bromoform | ND | | ug/kg | 4.0 | 0.25 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 0.50 | 0.17 |
| Benzene | ND | | ug/kg | 0.50 | 0.17 |
| Toluene | ND | | ug/kg | 1.0 | 0.54 |
| Ethylbenzene | ND | | ug/kg | 1.0 | 0.14 |
| Chloromethane | ND | | ug/kg | 4.0 | 0.93 |
| Bromomethane | ND | | ug/kg | 2.0 | 0.58 |
| Vinyl chloride | ND | | ug/kg | 1.0 | 0.34 |
| Chloroethane | ND | | ug/kg | 2.0 | 0.45 |
| 1,1-Dichloroethene | ND | | ug/kg | 1.0 | 0.24 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 1.5 | 0.14 |
| Trichloroethene | ND | | ug/kg | 0.50 | 0.14 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/28/19 07:46
Analyst: MV

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 03-06,08 Batch: WG1220619-5 | | | | | |
| 1,2-Dichlorobenzene | ND | | ug/kg | 2.0 | 0.14 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 2.0 | 0.15 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 2.0 | 0.17 |
| Methyl tert butyl ether | ND | | ug/kg | 2.0 | 0.20 |
| p/m-Xylene | ND | | ug/kg | 2.0 | 0.56 |
| o-Xylene | ND | | ug/kg | 1.0 | 0.29 |
| Xylenes, Total | ND | | ug/kg | 1.0 | 0.29 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 1.0 | 0.18 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 1.0 | 0.14 |
| Dibromomethane | ND | | ug/kg | 2.0 | 0.24 |
| Styrene | ND | | ug/kg | 1.0 | 0.20 |
| Dichlorodifluoromethane | ND | | ug/kg | 10 | 0.92 |
| Acetone | ND | | ug/kg | 10 | 4.8 |
| Carbon disulfide | ND | | ug/kg | 10 | 4.6 |
| 2-Butanone | ND | | ug/kg | 10 | 2.2 |
| Vinyl acetate | ND | | ug/kg | 10 | 2.2 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 10 | 1.3 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 2.0 | 0.13 |
| 2-Hexanone | ND | | ug/kg | 10 | 1.2 |
| Bromochloromethane | ND | | ug/kg | 2.0 | 0.20 |
| 2,2-Dichloropropane | ND | | ug/kg | 2.0 | 0.20 |
| 1,2-Dibromoethane | ND | | ug/kg | 1.0 | 0.28 |
| 1,3-Dichloropropane | ND | | ug/kg | 2.0 | 0.17 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 0.50 | 0.13 |
| Bromobenzene | ND | | ug/kg | 2.0 | 0.14 |
| n-Butylbenzene | ND | | ug/kg | 1.0 | 0.17 |
| sec-Butylbenzene | ND | | ug/kg | 1.0 | 0.15 |
| tert-Butylbenzene | ND | | ug/kg | 2.0 | 0.12 |
| o-Chlorotoluene | ND | | ug/kg | 2.0 | 0.19 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/28/19 07:46
Analyst: MV

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 03-06,08 Batch: WG1220619-5 | | | | | |
| p-Chlorotoluene | ND | | ug/kg | 2.0 | 0.11 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 3.0 | 1.0 |
| Hexachlorobutadiene | ND | | ug/kg | 4.0 | 0.17 |
| Isopropylbenzene | ND | | ug/kg | 1.0 | 0.11 |
| p-Isopropyltoluene | ND | | ug/kg | 1.0 | 0.11 |
| Naphthalene | ND | | ug/kg | 4.0 | 0.65 |
| Acrylonitrile | ND | | ug/kg | 4.0 | 1.2 |
| n-Propylbenzene | ND | | ug/kg | 1.0 | 0.17 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 2.0 | 0.32 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 2.0 | 0.27 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 2.0 | 0.19 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 2.0 | 0.33 |
| 1,4-Dioxane | ND | | ug/kg | 80 | 35. |
| p-Diethylbenzene | ND | | ug/kg | 2.0 | 0.18 |
| p-Ethyltoluene | ND | | ug/kg | 2.0 | 0.38 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 2.0 | 0.19 |
| Ethyl ether | ND | | ug/kg | 2.0 | 0.34 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 5.0 | 1.4 |
| Tentatively Identified Compounds | | | | | |
| No Tentatively Identified Compounds | ND | | ug/kg | | |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/28/19 07:46
Analyst: MV

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 03-06,08 Batch: WG1220619-5 | | | | | |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 100 | | 70-130 |
| Toluene-d8 | 102 | | 70-130 |
| 4-Bromofluorobenzene | 93 | | 70-130 |
| Dibromofluoromethane | 103 | | 70-130 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** G6-2423
**Project Number:** G6-2423

**Lab Number:** L1911169
**Report Date:** 03/29/19

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09-11 Batch: WG1219825-3 WG1219825-4 | | | | | | | | |
| Methylene chloride | 100 | | 100 | | 70-130 | 0 | | 20 |
| 1,1-Dichloroethane | 100 | | 96 | | 70-130 | 4 | | 20 |
| Chloroform | 98 | | 95 | | 70-130 | 3 | | 20 |
| Carbon tetrachloride | 80 | | 74 | | 63-132 | 8 | | 20 |
| 1,2-Dichloropropane | 96 | | 94 | | 70-130 | 2 | | 20 |
| Dibromochloromethane | 93 | | 90 | | 63-130 | 3 | | 20 |
| 1,1,2-Trichloroethane | 98 | | 98 | | 70-130 | 0 | | 20 |
| Tetrachloroethene | 100 | | 96 | | 70-130 | 4 | | 20 |
| Chlorobenzene | 100 | | 99 | | 75-130 | 1 | | 20 |
| Trichlorofluoromethane | 100 | | 94 | | 62-150 | 6 | | 20 |
| 1,2-Dichloroethane | 96 | | 94 | | 70-130 | 2 | | 20 |
| 1,1,1-Trichloroethane | 98 | | 92 | | 67-130 | 6 | | 20 |
| Bromodichloromethane | 97 | | 92 | | 67-130 | 5 | | 20 |
| trans-1,3-Dichloropropene | 86 | | 84 | | 70-130 | 2 | | 20 |
| cis-1,3-Dichloropropene | 94 | | 90 | | 70-130 | 4 | | 20 |
| 1,1-Dichloropropene | 97 | | 91 | | 70-130 | 6 | | 20 |
| Bromoform | 98 | | 94 | | 54-136 | 4 | | 20 |
| 1,1,2,2-Tetrachloroethane | 100 | | 100 | | 67-130 | 0 | | 20 |
| Benzene | 99 | | 94 | | 70-130 | 5 | | 20 |
| Toluene | 100 | | 98 | | 70-130 | 2 | | 20 |
| Ethylbenzene | 110 | | 100 | | 70-130 | 10 | | 20 |
| Chloromethane | 96 | | 91 | | 64-130 | 5 | | 20 |
| Bromomethane | 83 | | 69 | | 39-139 | 18 | | 20 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** G6-2423
**Project Number:** G6-2423

**Lab Number:** L1911169
**Report Date:** 03/29/19

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09-11 Batch: WG1219825-3 WG1219825-4 | | | | | | | | |
| Vinyl chloride | 100 | | 98 | | 55-140 | 2 | | 20 |
| Chloroethane | 110 | | 100 | | 55-138 | 10 | | 20 |
| 1,1-Dichloroethene | 99 | | 91 | | 61-145 | 8 | | 20 |
| trans-1,2-Dichloroethene | 100 | | 92 | | 70-130 | 8 | | 20 |
| Trichloroethene | 97 | | 93 | | 70-130 | 4 | | 20 |
| 1,2-Dichlorobenzene | 100 | | 100 | | 70-130 | 0 | | 20 |
| 1,3-Dichlorobenzene | 110 | | 100 | | 70-130 | 10 | | 20 |
| 1,4-Dichlorobenzene | 100 | | 100 | | 70-130 | 0 | | 20 |
| Methyl tert butyl ether | 91 | | 90 | | 63-130 | 1 | | 20 |
| p/m-Xylene | 110 | | 105 | | 70-130 | 5 | | 20 |
| o-Xylene | 110 | | 105 | | 70-130 | 5 | | 20 |
| cis-1,2-Dichloroethene | 97 | | 95 | | 70-130 | 2 | | 20 |
| Dibromomethane | 97 | | 93 | | 70-130 | 4 | | 20 |
| 1,2,3-Trichloropropane | 99 | | 97 | | 64-130 | 2 | | 20 |
| Acrylonitrile | 110 | | 110 | | 70-130 | 0 | | 20 |
| Styrene | 115 | | 110 | | 70-130 | 4 | | 20 |
| Dichlorodifluoromethane | 93 | | 86 | | 36-147 | 8 | | 20 |
| Acetone | 100 | | 110 | | 58-148 | 10 | | 20 |
| Carbon disulfide | 110 | | 100 | | 51-130 | 10 | | 20 |
| 2-Butanone | 95 | | 99 | | 63-138 | 4 | | 20 |
| Vinyl acetate | 95 | | 95 | | 70-130 | 0 | | 20 |
| 4-Methyl-2-pentanone | 94 | | 91 | | 59-130 | 3 | | 20 |
| 2-Hexanone | 95 | | 95 | | 57-130 | 0 | | 20 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** G6-2423
**Project Number:** G6-2423

**Lab Number:** L1911169
**Report Date:** 03/29/19

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09-11 Batch: WG1219825-3 WG1219825-4 | | | | | | | | |
| Bromochloromethane | 100 | | 99 | | 70-130 | 1 | | 20 |
| 2,2-Dichloropropane | 96 | | 90 | | 63-133 | 6 | | 20 |
| 1,2-Dibromoethane | 98 | | 94 | | 70-130 | 4 | | 20 |
| 1,3-Dichloropropane | 97 | | 96 | | 70-130 | 1 | | 20 |
| 1,1,1,2-Tetrachloroethane | 90 | | 87 | | 64-130 | 3 | | 20 |
| Bromobenzene | 100 | | 98 | | 70-130 | 2 | | 20 |
| n-Butylbenzene | 110 | | 110 | | 53-136 | 0 | | 20 |
| sec-Butylbenzene | 110 | | 100 | | 70-130 | 10 | | 20 |
| tert-Butylbenzene | 110 | | 100 | | 70-130 | 10 | | 20 |
| o-Chlorotoluene | 110 | | 100 | | 70-130 | 10 | | 20 |
| p-Chlorotoluene | 110 | | 100 | | 70-130 | 10 | | 20 |
| 1,2-Dibromo-3-chloropropane | 96 | | 87 | | 41-144 | 10 | | 20 |
| Hexachlorobutadiene | 110 | | 100 | | 63-130 | 10 | | 20 |
| Isopropylbenzene | 110 | | 100 | | 70-130 | 10 | | 20 |
| p-Isopropyltoluene | 110 | | 100 | | 70-130 | 10 | | 20 |
| Naphthalene | 110 | | 110 | | 70-130 | 0 | | 20 |
| n-Propylbenzene | 110 | | 110 | | 69-130 | 0 | | 20 |
| 1,2,3-Trichlorobenzene | 100 | | 100 | | 70-130 | 0 | | 20 |
| 1,2,4-Trichlorobenzene | 100 | | 100 | | 70-130 | 0 | | 20 |
| 1,3,5-Trimethylbenzene | 110 | | 100 | | 64-130 | 10 | | 20 |
| 1,2,4-Trimethylbenzene | 110 | | 110 | | 70-130 | 0 | | 20 |
| 1,4-Dioxane | 144 | | 146 | | 56-162 | 1 | | 20 |
| p-Diethylbenzene | 110 | | 110 | | 70-130 | 0 | | 20 |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** G6-2423
**Project Number:** G6-2423

**Lab Number:** L1911169
**Report Date:** 03/29/19

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09-11 Batch: WG1219825-3 WG1219825-4 | | | | | | | | |
| p-Ethyltoluene | 110 | | 100 | | 70-130 | 10 | | 20 |
| 1,2,4,5-Tetramethylbenzene | 110 | | 110 | | 70-130 | 0 | | 20 |
| Ethyl ether | 92 | | 90 | | 59-134 | 2 | | 20 |
| trans-1,4-Dichloro-2-butene | 90 | | 88 | | 70-130 | 2 | | 20 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 103 | | 104 | | 70-130 |
| Toluene-d8 | 105 | | 103 | | 70-130 |
| 4-Bromofluorobenzene | 102 | | 101 | | 70-130 |
| Dibromofluoromethane | 102 | | 102 | | 70-130 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** G6-2423
**Project Number:** G6-2423

**Lab Number:** L1911169
**Report Date:** 03/29/19

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02 Batch: WG1220438-3 WG1220438-4 | | | | | | | | |
| Methylene chloride | 101 | | 98 | | 70-130 | 3 | | 30 |
| 1,1-Dichloroethane | 107 | | 103 | | 70-130 | 4 | | 30 |
| Chloroform | 107 | | 103 | | 70-130 | 4 | | 30 |
| Carbon tetrachloride | 114 | | 109 | | 70-130 | 4 | | 30 |
| 1,2-Dichloropropane | 106 | | 102 | | 70-130 | 4 | | 30 |
| Dibromochloromethane | 101 | | 103 | | 70-130 | 2 | | 30 |
| 1,1,2-Trichloroethane | 99 | | 104 | | 70-130 | 5 | | 30 |
| Tetrachloroethene | 113 | | 111 | | 70-130 | 2 | | 30 |
| Chlorobenzene | 107 | | 107 | | 70-130 | 0 | | 30 |
| Trichlorofluoromethane | 121 | | 114 | | 70-139 | 6 | | 30 |
| 1,2-Dichloroethane | 100 | | 102 | | 70-130 | 2 | | 30 |
| 1,1,1-Trichloroethane | 110 | | 106 | | 70-130 | 4 | | 30 |
| Bromodichloromethane | 105 | | 100 | | 70-130 | 5 | | 30 |
| trans-1,3-Dichloropropene | 107 | | 106 | | 70-130 | 1 | | 30 |
| cis-1,3-Dichloropropene | 107 | | 106 | | 70-130 | 1 | | 30 |
| 1,1-Dichloropropene | 111 | | 108 | | 70-130 | 3 | | 30 |
| Bromoform | 98 | | 98 | | 70-130 | 0 | | 30 |
| 1,1,2,2-Tetrachloroethane | 95 | | 94 | | 70-130 | 1 | | 30 |
| Benzene | 108 | | 104 | | 70-130 | 4 | | 30 |
| Toluene | 106 | | 105 | | 70-130 | 1 | | 30 |
| Ethylbenzene | 109 | | 108 | | 70-130 | 1 | | 30 |
| Chloromethane | 115 | | 104 | | 52-130 | 10 | | 30 |
| Bromomethane | 122 | | 116 | | 57-147 | 5 | | 30 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** G6-2423
**Project Number:** G6-2423

**Lab Number:** L1911169
**Report Date:** 03/29/19

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02 Batch: WG1220438-3 WG1220438-4 | | | | | | | | |
| Vinyl chloride | 115 | | 113 | | 67-130 | 2 | | 30 |
| Chloroethane | 122 | | 115 | | 50-151 | 6 | | 30 |
| 1,1-Dichloroethene | 114 | | 110 | | 65-135 | 4 | | 30 |
| trans-1,2-Dichloroethene | 110 | | 104 | | 70-130 | 6 | | 30 |
| Trichloroethene | 112 | | 110 | | 70-130 | 2 | | 30 |
| 1,2-Dichlorobenzene | 104 | | 104 | | 70-130 | 0 | | 30 |
| 1,3-Dichlorobenzene | 107 | | 105 | | 70-130 | 2 | | 30 |
| 1,4-Dichlorobenzene | 106 | | 104 | | 70-130 | 2 | | 30 |
| Methyl tert butyl ether | 99 | | 98 | | 66-130 | 1 | | 30 |
| p/m-Xylene | 111 | | 110 | | 70-130 | 1 | | 30 |
| o-Xylene | 110 | | 110 | | 70-130 | 0 | | 30 |
| cis-1,2-Dichloroethene | 108 | | 107 | | 70-130 | 1 | | 30 |
| Dibromomethane | 101 | | 101 | | 70-130 | 0 | | 30 |
| Styrene | 111 | | 112 | | 70-130 | 1 | | 30 |
| Dichlorodifluoromethane | 112 | | 110 | | 30-146 | 2 | | 30 |
| Acetone | 91 | | 99 | | 54-140 | 8 | | 30 |
| Carbon disulfide | 112 | | 105 | | 59-130 | 6 | | 30 |
| 2-Butanone | 86 | | 86 | | 70-130 | 0 | | 30 |
| Vinyl acetate | 96 | | 98 | | 70-130 | 2 | | 30 |
| 4-Methyl-2-pentanone | 98 | | 92 | | 70-130 | 6 | | 30 |
| 1,2,3-Trichloropropane | 95 | | 101 | | 68-130 | 6 | | 30 |
| 2-Hexanone | 92 | | 90 | | 70-130 | 2 | | 30 |
| Bromochloromethane | 105 | | 100 | | 70-130 | 5 | | 30 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** G6-2423
**Project Number:** G6-2423

**Lab Number:** L1911169
**Report Date:** 03/29/19

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02 Batch: WG1220438-3 WG1220438-4 | | | | | | | | |
| 2,2-Dichloropropane | 110 | | 106 | | 70-130 | 4 | | 30 |
| 1,2-Dibromoethane | 104 | | 104 | | 70-130 | 0 | | 30 |
| 1,3-Dichloropropane | 99 | | 103 | | 69-130 | 4 | | 30 |
| 1,1,1,2-Tetrachloroethane | 104 | | 105 | | 70-130 | 1 | | 30 |
| Bromobenzene | 105 | | 102 | | 70-130 | 3 | | 30 |
| n-Butylbenzene | 116 | | 111 | | 70-130 | 4 | | 30 |
| sec-Butylbenzene | 111 | | 107 | | 70-130 | 4 | | 30 |
| tert-Butylbenzene | 108 | | 105 | | 70-130 | 3 | | 30 |
| o-Chlorotoluene | 103 | | 102 | | 70-130 | 1 | | 30 |
| p-Chlorotoluene | 104 | | 103 | | 70-130 | 1 | | 30 |
| 1,2-Dibromo-3-chloropropane | 96 | | 90 | | 68-130 | 6 | | 30 |
| Hexachlorobutadiene | 112 | | 111 | | 67-130 | 1 | | 30 |
| Isopropylbenzene | 107 | | 105 | | 70-130 | 2 | | 30 |
| p-Isopropyltoluene | 111 | | 110 | | 70-130 | 1 | | 30 |
| Naphthalene | 100 | | 98 | | 70-130 | 2 | | 30 |
| Acrylonitrile | 107 | | 107 | | 70-130 | 0 | | 30 |
| n-Propylbenzene | 112 | | 108 | | 70-130 | 4 | | 30 |
| 1,2,3-Trichlorobenzene | 109 | | 105 | | 70-130 | 4 | | 30 |
| 1,2,4-Trichlorobenzene | 116 | | 114 | | 70-130 | 2 | | 30 |
| 1,3,5-Trimethylbenzene | 109 | | 108 | | 70-130 | 1 | | 30 |
| 1,2,4-Trimethylbenzene | 109 | | 106 | | 70-130 | 3 | | 30 |
| 1,4-Dioxane | 103 | | 100 | | 65-136 | 3 | | 30 |
| p-Diethylbenzene | 115 | | 113 | | 70-130 | 2 | | 30 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** G6-2423
**Project Number:** G6-2423
**Lab Number:** L1911169
**Report Date:** 03/29/19

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02 Batch: WG1220438-3 WG1220438-4 | | | | | | | | |
| p-Ethyltoluene | 111 | | 108 | | 70-130 | 3 | | 30 |
| 1,2,4,5-Tetramethylbenzene | 112 | | 109 | | 70-130 | 3 | | 30 |
| Ethyl ether | 102 | | 102 | | 67-130 | 0 | | 30 |
| trans-1,4-Dichloro-2-butene | 102 | | 100 | | 70-130 | 2 | | 30 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 97 | | 96 | | 70-130 |
| Toluene-d8 | 98 | | 101 | | 70-130 |
| 4-Bromofluorobenzene | 97 | | 95 | | 70-130 |
| Dibromofluoromethane | 103 | | 100 | | 70-130 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** G6-2423
**Project Number:** G6-2423

**Lab Number:** L1911169
**Report Date:** 03/29/19

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 07 Batch: WG1220589-3 WG1220589-4 | | | | | | | | |
| Methylene chloride | 87 | | 87 | | 70-130 | 0 | | 30 |
| 1,1-Dichloroethane | 94 | | 94 | | 70-130 | 0 | | 30 |
| Chloroform | 88 | | 91 | | 70-130 | 3 | | 30 |
| Carbon tetrachloride | 86 | | 86 | | 70-130 | 0 | | 30 |
| 1,2-Dichloropropane | 95 | | 96 | | 70-130 | 1 | | 30 |
| Dibromochloromethane | 85 | | 87 | | 70-130 | 2 | | 30 |
| 1,1,2-Trichloroethane | 91 | | 94 | | 70-130 | 3 | | 30 |
| Tetrachloroethene | 90 | | 89 | | 70-130 | 1 | | 30 |
| Chlorobenzene | 88 | | 87 | | 70-130 | 1 | | 30 |
| Trichlorofluoromethane | **62** | Q | **62** | Q | 70-139 | 0 | | 30 |
| 1,2-Dichloroethane | 89 | | 90 | | 70-130 | 1 | | 30 |
| 1,1,1-Trichloroethane | 87 | | 87 | | 70-130 | 0 | | 30 |
| Bromodichloromethane | 84 | | 86 | | 70-130 | 2 | | 30 |
| trans-1,3-Dichloropropene | 91 | | 92 | | 70-130 | 1 | | 30 |
| cis-1,3-Dichloropropene | 89 | | 90 | | 70-130 | 1 | | 30 |
| 1,1-Dichloropropene | 96 | | 97 | | 70-130 | 1 | | 30 |
| Bromoform | 87 | | 88 | | 70-130 | 1 | | 30 |
| 1,1,2,2-Tetrachloroethane | 87 | | 90 | | 70-130 | 3 | | 30 |
| Benzene | 92 | | 91 | | 70-130 | 1 | | 30 |
| Toluene | 92 | | 92 | | 70-130 | 0 | | 30 |
| Ethylbenzene | 91 | | 90 | | 70-130 | 1 | | 30 |
| Chloromethane | 108 | | 107 | | 52-130 | 1 | | 30 |
| Bromomethane | 67 | | 64 | | 57-147 | 5 | | 30 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** G6-2423
**Project Number:** G6-2423

**Lab Number:** L1911169
**Report Date:** 03/29/19

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 07 Batch: WG1220589-3 WG1220589-4 | | | | | | | | |
| Vinyl chloride | 78 | | 76 | | 67-130 | 3 | | 30 |
| Chloroethane | 71 | | 70 | | 50-151 | 1 | | 30 |
| 1,1-Dichloroethene | 91 | | 90 | | 65-135 | 1 | | 30 |
| trans-1,2-Dichloroethene | 88 | | 88 | | 70-130 | 0 | | 30 |
| Trichloroethene | 88 | | 88 | | 70-130 | 0 | | 30 |
| 1,2-Dichlorobenzene | 88 | | 88 | | 70-130 | 0 | | 30 |
| 1,3-Dichlorobenzene | 90 | | 90 | | 70-130 | 0 | | 30 |
| 1,4-Dichlorobenzene | 89 | | 89 | | 70-130 | 0 | | 30 |
| Methyl tert butyl ether | 87 | | 89 | | 66-130 | 2 | | 30 |
| p/m-Xylene | 89 | | 88 | | 70-130 | 1 | | 30 |
| o-Xylene | 86 | | 86 | | 70-130 | 0 | | 30 |
| cis-1,2-Dichloroethene | 87 | | 88 | | 70-130 | 1 | | 30 |
| Dibromomethane | 84 | | 86 | | 70-130 | 2 | | 30 |
| Styrene | 85 | | 86 | | 70-130 | 1 | | 30 |
| Dichlorodifluoromethane | 92 | | 91 | | 30-146 | 1 | | 30 |
| Acetone | 95 | | 103 | | 54-140 | 8 | | 30 |
| Carbon disulfide | 104 | | 105 | | 59-130 | 1 | | 30 |
| 2-Butanone | 101 | | 109 | | 70-130 | 8 | | 30 |
| Vinyl acetate | 91 | | 94 | | 70-130 | 3 | | 30 |
| 4-Methyl-2-pentanone | 90 | | 95 | | 70-130 | 5 | | 30 |
| 1,2,3-Trichloropropane | 93 | | 99 | | 68-130 | 6 | | 30 |
| 2-Hexanone | 84 | | 90 | | 70-130 | 7 | | 30 |
| Bromochloromethane | 90 | | 90 | | 70-130 | 0 | | 30 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** G6-2423
**Project Number:** G6-2423

**Lab Number:** L1911169
**Report Date:** 03/29/19

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 07 Batch: WG1220589-3 WG1220589-4 | | | | | | | | |
| 2,2-Dichloropropane | 91 | | 90 | | 70-130 | 1 | | 30 |
| 1,2-Dibromoethane | 86 | | 87 | | 70-130 | 1 | | 30 |
| 1,3-Dichloropropane | 93 | | 94 | | 69-130 | 1 | | 30 |
| 1,1,1,2-Tetrachloroethane | 84 | | 84 | | 70-130 | 0 | | 30 |
| Bromobenzene | 88 | | 88 | | 70-130 | 0 | | 30 |
| n-Butylbenzene | 94 | | 93 | | 70-130 | 1 | | 30 |
| sec-Butylbenzene | 93 | | 92 | | 70-130 | 1 | | 30 |
| tert-Butylbenzene | 90 | | 90 | | 70-130 | 0 | | 30 |
| o-Chlorotoluene | 93 | | 93 | | 70-130 | 0 | | 30 |
| p-Chlorotoluene | 94 | | 94 | | 70-130 | 0 | | 30 |
| 1,2-Dibromo-3-chloropropane | 82 | | 87 | | 68-130 | 6 | | 30 |
| Hexachlorobutadiene | 96 | | 96 | | 67-130 | 0 | | 30 |
| Isopropylbenzene | 93 | | 92 | | 70-130 | 1 | | 30 |
| p-Isopropyltoluene | 92 | | 92 | | 70-130 | 0 | | 30 |
| Naphthalene | 83 | | 86 | | 70-130 | 4 | | 30 |
| Acrylonitrile | 109 | | 114 | | 70-130 | 4 | | 30 |
| n-Propylbenzene | 95 | | 94 | | 70-130 | 1 | | 30 |
| 1,2,3-Trichlorobenzene | 88 | | 88 | | 70-130 | 0 | | 30 |
| 1,2,4-Trichlorobenzene | 89 | | 88 | | 70-130 | 1 | | 30 |
| 1,3,5-Trimethylbenzene | 94 | | 92 | | 70-130 | 2 | | 30 |
| 1,2,4-Trimethylbenzene | 92 | | 91 | | 70-130 | 1 | | 30 |
| 1,4-Dioxane | 88 | | 96 | | 65-136 | 9 | | 30 |
| p-Diethylbenzene | 93 | | 92 | | 70-130 | 1 | | 30 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** G6-2423
**Project Number:** G6-2423

**Lab Number:** L1911169
**Report Date:** 03/29/19

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 07 Batch: WG1220589-3 WG1220589-4 | | | | | | | | |
| p-Ethyltoluene | 95 | | 94 | | 70-130 | 1 | | 30 |
| 1,2,4,5-Tetramethylbenzene | 89 | | 88 | | 70-130 | 1 | | 30 |
| Ethyl ether | 72 | | 75 | | 67-130 | 4 | | 30 |
| trans-1,4-Dichloro-2-butene | 95 | | 98 | | 70-130 | 3 | | 30 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 97 | | 96 | | 70-130 |
| Toluene-d8 | 101 | | 100 | | 70-130 |
| 4-Bromofluorobenzene | 107 | | 105 | | 70-130 |
| Dibromofluoromethane | 94 | | 94 | | 70-130 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** G6-2423
**Project Number:** G6-2423

**Lab Number:** L1911169
**Report Date:** 03/29/19

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03-06,08 Batch: WG1220619-3 WG1220619-4 | | | | | | | | |
| Methylene chloride | 101 | | 94 | | 70-130 | 7 | | 30 |
| 1,1-Dichloroethane | 105 | | 100 | | 70-130 | 5 | | 30 |
| Chloroform | 105 | | 99 | | 70-130 | 6 | | 30 |
| Carbon tetrachloride | 102 | | 95 | | 70-130 | 7 | | 30 |
| 1,2-Dichloropropane | 105 | | 99 | | 70-130 | 6 | | 30 |
| Dibromochloromethane | 97 | | 92 | | 70-130 | 5 | | 30 |
| 1,1,2-Trichloroethane | 104 | | 99 | | 70-130 | 5 | | 30 |
| Tetrachloroethene | 114 | | 104 | | 70-130 | 9 | | 30 |
| Chlorobenzene | 107 | | 100 | | 70-130 | 7 | | 30 |
| Trichlorofluoromethane | 134 | | 122 | | 70-139 | 9 | | 30 |
| 1,2-Dichloroethane | 105 | | 99 | | 70-130 | 6 | | 30 |
| 1,1,1-Trichloroethane | 108 | | 98 | | 70-130 | 10 | | 30 |
| Bromodichloromethane | 101 | | 96 | | 70-130 | 5 | | 30 |
| trans-1,3-Dichloropropene | 102 | | 101 | | 70-130 | 1 | | 30 |
| cis-1,3-Dichloropropene | 108 | | 99 | | 70-130 | 9 | | 30 |
| 1,1-Dichloropropene | 110 | | 98 | | 70-130 | 12 | | 30 |
| Bromoform | 87 | | 86 | | 70-130 | 1 | | 30 |
| 1,1,2,2-Tetrachloroethane | 95 | | 90 | | 70-130 | 5 | | 30 |
| Benzene | 110 | | 100 | | 70-130 | 10 | | 30 |
| Toluene | 107 | | 100 | | 70-130 | 7 | | 30 |
| Ethylbenzene | 109 | | 100 | | 70-130 | 9 | | 30 |
| Chloromethane | 107 | | 101 | | 52-130 | 6 | | 30 |
| Bromomethane | 135 | | 127 | | 57-147 | 6 | | 30 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** G6-2423
**Project Number:** G6-2423

**Lab Number:** L1911169
**Report Date:** 03/29/19

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03-06,08 Batch: WG1220619-3 WG1220619-4 | | | | | | | | |
| Vinyl chloride | 129 | | 120 | | 67-130 | 7 | | 30 |
| Chloroethane | 145 | | 122 | | 50-151 | 17 | | 30 |
| 1,1-Dichloroethene | 129 | | 108 | | 65-135 | 18 | | 30 |
| trans-1,2-Dichloroethene | 106 | | 98 | | 70-130 | 8 | | 30 |
| Trichloroethene | 110 | | 104 | | 70-130 | 6 | | 30 |
| 1,2-Dichlorobenzene | 108 | | 101 | | 70-130 | 7 | | 30 |
| 1,3-Dichlorobenzene | 112 | | 102 | | 70-130 | 9 | | 30 |
| 1,4-Dichlorobenzene | 107 | | 101 | | 70-130 | 6 | | 30 |
| Methyl tert butyl ether | 96 | | 93 | | 66-130 | 3 | | 30 |
| p/m-Xylene | 113 | | 104 | | 70-130 | 8 | | 30 |
| o-Xylene | 111 | | 103 | | 70-130 | 7 | | 30 |
| cis-1,2-Dichloroethene | 107 | | 102 | | 70-130 | 5 | | 30 |
| Dibromomethane | 102 | | 101 | | 70-130 | 1 | | 30 |
| Styrene | 112 | | 106 | | 70-130 | 6 | | 30 |
| Dichlorodifluoromethane | 111 | | 99 | | 30-146 | 11 | | 30 |
| Acetone | 110 | | 104 | | 54-140 | 6 | | 30 |
| Carbon disulfide | 130 | | 96 | | 59-130 | 30 | | 30 |
| 2-Butanone | 92 | | 97 | | 70-130 | 5 | | 30 |
| Vinyl acetate | 98 | | 93 | | 70-130 | 5 | | 30 |
| 4-Methyl-2-pentanone | 93 | | 91 | | 70-130 | 2 | | 30 |
| 1,2,3-Trichloropropane | 97 | | 93 | | 68-130 | 4 | | 30 |
| 2-Hexanone | 94 | | 87 | | 70-130 | 8 | | 30 |
| Bromochloromethane | 107 | | 103 | | 70-130 | 4 | | 30 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** G6-2423
**Project Number:** G6-2423

**Lab Number:** L1911169
**Report Date:** 03/29/19

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03-06,08 Batch: WG1220619-3 WG1220619-4 | | | | | | | | |
| 2,2-Dichloropropane | 105 | | 94 | | 70-130 | 11 | | 30 |
| 1,2-Dibromoethane | 105 | | 100 | | 70-130 | 5 | | 30 |
| 1,3-Dichloropropane | 100 | | 97 | | 69-130 | 3 | | 30 |
| 1,1,1,2-Tetrachloroethane | 102 | | 96 | | 70-130 | 6 | | 30 |
| Bromobenzene | 106 | | 101 | | 70-130 | 5 | | 30 |
| n-Butylbenzene | 116 | | 108 | | 70-130 | 7 | | 30 |
| sec-Butylbenzene | 109 | | 102 | | 70-130 | 7 | | 30 |
| tert-Butylbenzene | 109 | | 100 | | 70-130 | 9 | | 30 |
| o-Chlorotoluene | 102 | | 96 | | 70-130 | 6 | | 30 |
| p-Chlorotoluene | 105 | | 97 | | 70-130 | 8 | | 30 |
| 1,2-Dibromo-3-chloropropane | 89 | | 87 | | 68-130 | 2 | | 30 |
| Hexachlorobutadiene | 118 | | 106 | | 67-130 | 11 | | 30 |
| Isopropylbenzene | 107 | | 97 | | 70-130 | 10 | | 30 |
| p-Isopropyltoluene | 112 | | 101 | | 70-130 | 10 | | 30 |
| Naphthalene | 98 | | 97 | | 70-130 | 1 | | 30 |
| Acrylonitrile | 113 | | 102 | | 70-130 | 10 | | 30 |
| n-Propylbenzene | 110 | | 100 | | 70-130 | 10 | | 30 |
| 1,2,3-Trichlorobenzene | 110 | | 105 | | 70-130 | 5 | | 30 |
| 1,2,4-Trichlorobenzene | 118 | | 112 | | 70-130 | 5 | | 30 |
| 1,3,5-Trimethylbenzene | 109 | | 101 | | 70-130 | 8 | | 30 |
| 1,2,4-Trimethylbenzene | 108 | | 101 | | 70-130 | 7 | | 30 |
| 1,4-Dioxane | 98 | | 101 | | 65-136 | 3 | | 30 |
| p-Diethylbenzene | 117 | | 108 | | 70-130 | 8 | | 30 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** G6-2423
**Project Number:** G6-2423

**Lab Number:** L1911169
**Report Date:** 03/29/19

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03-06,08 Batch: WG1220619-3 WG1220619-4 | | | | | | | | |
| p-Ethyltoluene | 109 | | 99 | | 70-130 | 10 | | 30 |
| 1,2,4,5-Tetramethylbenzene | 112 | | 103 | | 70-130 | 8 | | 30 |
| Ethyl ether | 123 | | 115 | | 67-130 | 7 | | 30 |
| trans-1,4-Dichloro-2-butene | 96 | | 102 | | 70-130 | 6 | | 30 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 100 | | 99 | | 70-130 |
| Toluene-d8 | 100 | | 100 | | 70-130 |
| 4-Bromofluorobenzene | 94 | | 93 | | 70-130 |
| Dibromofluoromethane | 102 | | 102 | | 70-130 |

# SEMIVOLATILES

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-01
Client ID: S-1
Sample Location: NY

Date Collected: 03/20/19 09:10
Date Received: 03/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/27/19 01:27
Analyst: EK
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 03/24/19 03:10

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Acenaphthene | ND | | ug/kg | 150 | 20. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 190 | 22. | 1 |
| Hexachlorobenzene | ND | | ug/kg | 120 | 21. | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 170 | 26. | 1 |
| 2-Chloronaphthalene | ND | | ug/kg | 190 | 19. | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 190 | 34. | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 190 | 33. | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 190 | 34. | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 190 | 51. | 1 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 190 | 38. | 1 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 190 | 33. | 1 |
| Fluoranthene | 130 | | ug/kg | 120 | 22. | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 190 | 20. | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 190 | 29. | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 230 | 33. | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 210 | 19. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 190 | 28. | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 550 | 170 | 1 |
| Hexachloroethane | ND | | ug/kg | 150 | 31. | 1 |
| Isophorone | ND | | ug/kg | 170 | 25. | 1 |
| Naphthalene | ND | | ug/kg | 190 | 23. | 1 |
| Nitrobenzene | ND | | ug/kg | 170 | 28. | 1 |
| NDPA/DPA | ND | | ug/kg | 150 | 22. | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 190 | 30. | 1 |
| Bis(2-ethylhexyl)phthalate | ND | | ug/kg | 190 | 66. | 1 |
| Butyl benzyl phthalate | ND | | ug/kg | 190 | 48. | 1 |
| Di-n-butylphthalate | ND | | ug/kg | 190 | 36. | 1 |
| Di-n-octylphthalate | ND | | ug/kg | 190 | 65. | 1 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-01 Date Collected: 03/20/19 09:10

Client ID: S-1 Date Received: 03/21/19

Sample Location: NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Diethyl phthalate | ND | | ug/kg | 190 | 18. | 1 |
| Dimethyl phthalate | ND | | ug/kg | 190 | 40. | 1 |
| Benzo(a)anthracene | 140 | | ug/kg | 120 | 22. | 1 |
| Benzo(a)pyrene | 180 | | ug/kg | 150 | 47. | 1 |
| Benzo(b)fluoranthene | 190 | | ug/kg | 120 | 32. | 1 |
| Benzo(k)fluoranthene | 73 | J | ug/kg | 120 | 31. | 1 |
| Chrysene | 130 | | ug/kg | 120 | 20. | 1 |
| Acenaphthylene | ND | | ug/kg | 150 | 30. | 1 |
| Anthracene | ND | | ug/kg | 120 | 37. | 1 |
| Benzo(ghi)perylene | 100 | J | ug/kg | 150 | 22. | 1 |
| Fluorene | ND | | ug/kg | 190 | 19. | 1 |
| Phenanthrene | 79 | J | ug/kg | 120 | 23. | 1 |
| Dibenzo(a,h)anthracene | 33 | J | ug/kg | 120 | 22. | 1 |
| Indeno(1,2,3-cd)pyrene | 100 | J | ug/kg | 150 | 27. | 1 |
| Pyrene | 120 | | ug/kg | 120 | 19. | 1 |
| Biphenyl | ND | | ug/kg | 440 | 44. | 1 |
| 4-Chloroaniline | ND | | ug/kg | 190 | 35. | 1 |
| 2-Nitroaniline | ND | | ug/kg | 190 | 37. | 1 |
| 3-Nitroaniline | ND | | ug/kg | 190 | 36. | 1 |
| 4-Nitroaniline | ND | | ug/kg | 190 | 79. | 1 |
| Dibenzofuran | ND | | ug/kg | 190 | 18. | 1 |
| 2-Methylnaphthalene | ND | | ug/kg | 230 | 23. | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 190 | 20. | 1 |
| Acetophenone | ND | | ug/kg | 190 | 24. | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 120 | 36. | 1 |
| p-Chloro-m-cresol | ND | | ug/kg | 190 | 28. | 1 |
| 2-Chlorophenol | ND | | ug/kg | 190 | 23. | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 170 | 31. | 1 |
| 2,4-Dimethylphenol | ND | | ug/kg | 190 | 63. | 1 |
| 2-Nitrophenol | ND | | ug/kg | 410 | 72. | 1 |
| 4-Nitrophenol | ND | | ug/kg | 270 | 78. | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 920 | 89. | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 500 | 92. | 1 |
| Pentachlorophenol | ND | | ug/kg | 150 | 42. | 1 |
| Phenol | ND | | ug/kg | 190 | 29. | 1 |
| 2-Methylphenol | ND | | ug/kg | 190 | 30. | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 280 | 30. | 1 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-01 Date Collected: 03/20/19 09:10

Client ID: S-1 Date Received: 03/21/19

Sample Location: NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 190 | 37. | 1 |
| Benzoic Acid | ND | | ug/kg | 620 | 190 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 190 | 59. | 1 |
| Carbazole | 23 | J | ug/kg | 190 | 19. | 1 |
| **Tentatively Identified Compounds** | | | | | | |
| Total TIC Compounds | 982 | J | ug/kg | | | 1 |
| Unknown | 520 | J | ug/kg | | | 1 |
| Unknown | 462 | J | ug/kg | | | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 69 | | 25-120 |
| Phenol-d6 | 67 | | 10-120 |
| Nitrobenzene-d5 | 68 | | 23-120 |
| 2-Fluorobiphenyl | 69 | | 30-120 |
| 2,4,6-Tribromophenol | 84 | | 10-136 |
| 4-Terphenyl-d14 | 76 | | 18-120 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-02
Client ID: S-2
Sample Location: NY

Date Collected: 03/20/19 09:45
Date Received: 03/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/26/19 23:18
Analyst: EK
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 03/24/19 03:10

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Acenaphthene | ND | | ug/kg | 150 | 20. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 190 | 22. | 1 |
| Hexachlorobenzene | ND | | ug/kg | 110 | 21. | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 170 | 26. | 1 |
| 2-Chloronaphthalene | ND | | ug/kg | 190 | 19. | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 190 | 34. | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 190 | 32. | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 190 | 33. | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 190 | 50. | 1 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 190 | 38. | 1 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 190 | 32. | 1 |
| Fluoranthene | ND | | ug/kg | 110 | 22. | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 190 | 20. | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 190 | 29. | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 230 | 32. | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 200 | 19. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 190 | 28. | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 540 | 170 | 1 |
| Hexachloroethane | ND | | ug/kg | 150 | 31. | 1 |
| Isophorone | ND | | ug/kg | 170 | 24. | 1 |
| Naphthalene | ND | | ug/kg | 190 | 23. | 1 |
| Nitrobenzene | ND | | ug/kg | 170 | 28. | 1 |
| NDPA/DPA | ND | | ug/kg | 150 | 22. | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 190 | 29. | 1 |
| Bis(2-ethylhexyl)phthalate | ND | | ug/kg | 190 | 66. | 1 |
| Butyl benzyl phthalate | ND | | ug/kg | 190 | 48. | 1 |
| Di-n-butylphthalate | ND | | ug/kg | 190 | 36. | 1 |
| Di-n-octylphthalate | ND | | ug/kg | 190 | 64. | 1 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-02 Date Collected: 03/20/19 09:45

Client ID: S-2 Date Received: 03/21/19

Sample Location: NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Diethyl phthalate | ND | | ug/kg | 190 | 18. | 1 |
| Dimethyl phthalate | ND | | ug/kg | 190 | 40. | 1 |
| Benzo(a)anthracene | ND | | ug/kg | 110 | 21. | 1 |
| Benzo(a)pyrene | ND | | ug/kg | 150 | 46. | 1 |
| Benzo(b)fluoranthene | ND | | ug/kg | 110 | 32. | 1 |
| Benzo(k)fluoranthene | ND | | ug/kg | 110 | 30. | 1 |
| Chrysene | ND | | ug/kg | 110 | 20. | 1 |
| Acenaphthylene | ND | | ug/kg | 150 | 29. | 1 |
| Anthracene | ND | | ug/kg | 110 | 37. | 1 |
| Benzo(ghi)perylene | ND | | ug/kg | 150 | 22. | 1 |
| Fluorene | ND | | ug/kg | 190 | 18. | 1 |
| Phenanthrene | ND | | ug/kg | 110 | 23. | 1 |
| Dibenzo(a,h)anthracene | ND | | ug/kg | 110 | 22. | 1 |
| Indeno(1,2,3-cd)pyrene | ND | | ug/kg | 150 | 26. | 1 |
| Pyrene | ND | | ug/kg | 110 | 19. | 1 |
| Biphenyl | ND | | ug/kg | 430 | 44. | 1 |
| 4-Chloroaniline | ND | | ug/kg | 190 | 34. | 1 |
| 2-Nitroaniline | ND | | ug/kg | 190 | 36. | 1 |
| 3-Nitroaniline | ND | | ug/kg | 190 | 36. | 1 |
| 4-Nitroaniline | ND | | ug/kg | 190 | 78. | 1 |
| Dibenzofuran | ND | | ug/kg | 190 | 18. | 1 |
| 2-Methylnaphthalene | ND | | ug/kg | 230 | 23. | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 190 | 20. | 1 |
| Acetophenone | ND | | ug/kg | 190 | 23. | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 110 | 36. | 1 |
| p-Chloro-m-cresol | ND | | ug/kg | 190 | 28. | 1 |
| 2-Chlorophenol | ND | | ug/kg | 190 | 22. | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 170 | 30. | 1 |
| 2,4-Dimethylphenol | ND | | ug/kg | 190 | 62. | 1 |
| 2-Nitrophenol | ND | | ug/kg | 410 | 71. | 1 |
| 4-Nitrophenol | ND | | ug/kg | 260 | 77. | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 910 | 88. | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 490 | 91. | 1 |
| Pentachlorophenol | ND | | ug/kg | 150 | 42. | 1 |
| Phenol | ND | | ug/kg | 190 | 28. | 1 |
| 2-Methylphenol | ND | | ug/kg | 190 | 29. | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 270 | 30. | 1 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-02 Date Collected: 03/20/19 09:45

Client ID: S-2 Date Received: 03/21/19

Sample Location: NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 190 | 36. | 1 |
| Benzoic Acid | ND | | ug/kg | 610 | 190 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 190 | 58. | 1 |
| Carbazole | ND | | ug/kg | 190 | 18. | 1 |
| **Tentatively Identified Compounds** | | | | | | |
| No Tentatively Identified Compounds | ND | | ug/kg | | | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 73 | | 25-120 |
| Phenol-d6 | 73 | | 10-120 |
| Nitrobenzene-d5 | 73 | | 23-120 |
| 2-Fluorobiphenyl | 76 | | 30-120 |
| 2,4,6-Tribromophenol | 80 | | 10-136 |
| 4-Terphenyl-d14 | 76 | | 18-120 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-03
Client ID: S-3
Sample Location: NY

Date Collected: 03/20/19 10:05
Date Received: 03/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/27/19 00:35
Analyst: EK
Percent Solids: 74%

Extraction Method: EPA 3546
Extraction Date: 03/24/19 03:10

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Acenaphthene | ND | | ug/kg | 180 | 23. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 220 | 26. | 1 |
| Hexachlorobenzene | ND | | ug/kg | 130 | 25. | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 200 | 30. | 1 |
| 2-Chloronaphthalene | ND | | ug/kg | 220 | 22. | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 220 | 40. | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 220 | 39. | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 220 | 39. | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 220 | 60. | 1 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 220 | 45. | 1 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 220 | 39. | 1 |
| Fluoranthene | ND | | ug/kg | 130 | 26. | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 220 | 24. | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 220 | 34. | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 270 | 38. | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 240 | 22. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 220 | 33. | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 640 | 200 | 1 |
| Hexachloroethane | ND | | ug/kg | 180 | 36. | 1 |
| Isophorone | ND | | ug/kg | 200 | 29. | 1 |
| Naphthalene | 100 | J | ug/kg | 220 | 27. | 1 |
| Nitrobenzene | ND | | ug/kg | 200 | 33. | 1 |
| NDPA/DPA | ND | | ug/kg | 180 | 26. | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 220 | 35. | 1 |
| Bis(2-ethylhexyl)phthalate | ND | | ug/kg | 220 | 78. | 1 |
| Butyl benzyl phthalate | ND | | ug/kg | 220 | 57. | 1 |
| Di-n-butylphthalate | ND | | ug/kg | 220 | 43. | 1 |
| Di-n-octylphthalate | ND | | ug/kg | 220 | 76. | 1 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-03 Date Collected: 03/20/19 10:05

Client ID: S-3 Date Received: 03/21/19

Sample Location: NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Diethyl phthalate | ND | | ug/kg | 220 | 21. | 1 |
| Dimethyl phthalate | ND | | ug/kg | 220 | 47. | 1 |
| Benzo(a)anthracene | ND | | ug/kg | 130 | 25. | 1 |
| Benzo(a)pyrene | ND | | ug/kg | 180 | 55. | 1 |
| Benzo(b)fluoranthene | ND | | ug/kg | 130 | 38. | 1 |
| Benzo(k)fluoranthene | ND | | ug/kg | 130 | 36. | 1 |
| Chrysene | ND | | ug/kg | 130 | 23. | 1 |
| Acenaphthylene | ND | | ug/kg | 180 | 35. | 1 |
| Anthracene | ND | | ug/kg | 130 | 44. | 1 |
| Benzo(ghi)perylene | ND | | ug/kg | 180 | 26. | 1 |
| Fluorene | ND | | ug/kg | 220 | 22. | 1 |
| Phenanthrene | 40 | J | ug/kg | 130 | 27. | 1 |
| Dibenzo(a,h)anthracene | ND | | ug/kg | 130 | 26. | 1 |
| Indeno(1,2,3-cd)pyrene | ND | | ug/kg | 180 | 31. | 1 |
| Pyrene | ND | | ug/kg | 130 | 22. | 1 |
| Biphenyl | ND | | ug/kg | 510 | 52. | 1 |
| 4-Chloroaniline | ND | | ug/kg | 220 | 41. | 1 |
| 2-Nitroaniline | ND | | ug/kg | 220 | 43. | 1 |
| 3-Nitroaniline | ND | | ug/kg | 220 | 42. | 1 |
| 4-Nitroaniline | ND | | ug/kg | 220 | 93. | 1 |
| Dibenzofuran | 22 | J | ug/kg | 220 | 21. | 1 |
| 2-Methylnaphthalene | ND | | ug/kg | 270 | 27. | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 220 | 23. | 1 |
| Acetophenone | ND | | ug/kg | 220 | 28. | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 130 | 43. | 1 |
| p-Chloro-m-cresol | ND | | ug/kg | 220 | 34. | 1 |
| 2-Chlorophenol | ND | | ug/kg | 220 | 26. | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 200 | 36. | 1 |
| 2,4-Dimethylphenol | ND | | ug/kg | 220 | 74. | 1 |
| 2-Nitrophenol | ND | | ug/kg | 480 | 84. | 1 |
| 4-Nitrophenol | ND | | ug/kg | 310 | 92. | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 1100 | 100 | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 580 | 110 | 1 |
| Pentachlorophenol | ND | | ug/kg | 180 | 49. | 1 |
| Phenol | ND | | ug/kg | 220 | 34. | 1 |
| 2-Methylphenol | ND | | ug/kg | 220 | 35. | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 320 | 35. | 1 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-03 Date Collected: 03/20/19 10:05

Client ID: S-3 Date Received: 03/21/19

Sample Location: NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 220 | 43. | 1 |
| Benzoic Acid | ND | | ug/kg | 730 | 230 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 220 | 69. | 1 |
| Carbazole | ND | | ug/kg | 220 | 22. | 1 |
| **Tentatively Identified Compounds** | | | | | | |
| Total TIC Compounds | 2500 | J | ug/kg | | | 1 |
| Unknown | 798 | J | ug/kg | | | 1 |
| Unknown | 275 | J | ug/kg | | | 1 |
| Unknown | 264 | J | ug/kg | | | 1 |
| Unknown | 288 | J | ug/kg | | | 1 |
| Unknown | 266 | J | ug/kg | | | 1 |
| Unknown Alkane | 319 | J | ug/kg | | | 1 |
| Unknown | 286 | J | ug/kg | | | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 67 | | 25-120 |
| Phenol-d6 | 65 | | 10-120 |
| Nitrobenzene-d5 | 71 | | 23-120 |
| 2-Fluorobiphenyl | 70 | | 30-120 |
| 2,4,6-Tribromophenol | 84 | | 10-136 |
| 4-Terphenyl-d14 | 68 | | 18-120 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-04
Client ID: S-4
Sample Location: NY

Date Collected: 03/20/19 11:00
Date Received: 03/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/26/19 23:44
Analyst: EK
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 03/24/19 12:38

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Acenaphthene | ND | | ug/kg | 160 | 21. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 200 | 23. | 1 |
| Hexachlorobenzene | ND | | ug/kg | 120 | 23. | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 180 | 28. | 1 |
| 2-Chloronaphthalene | ND | | ug/kg | 200 | 20. | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 200 | 37. | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 200 | 35. | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 200 | 36. | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 200 | 54. | 1 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 200 | 41. | 1 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 200 | 35. | 1 |
| Fluoranthene | ND | | ug/kg | 120 | 23. | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 200 | 22. | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 200 | 31. | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 240 | 35. | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 220 | 20. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 200 | 30. | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 580 | 180 | 1 |
| Hexachloroethane | ND | | ug/kg | 160 | 33. | 1 |
| Isophorone | ND | | ug/kg | 180 | 26. | 1 |
| Naphthalene | ND | | ug/kg | 200 | 25. | 1 |
| Nitrobenzene | ND | | ug/kg | 180 | 30. | 1 |
| NDPA/DPA | ND | | ug/kg | 160 | 23. | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 200 | 32. | 1 |
| Bis(2-ethylhexyl)phthalate | ND | | ug/kg | 200 | 71. | 1 |
| Butyl benzyl phthalate | ND | | ug/kg | 200 | 52. | 1 |
| Di-n-butylphthalate | ND | | ug/kg | 200 | 39. | 1 |
| Di-n-octylphthalate | ND | | ug/kg | 200 | 70. | 1 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-04 Date Collected: 03/20/19 11:00

Client ID: S-4 Date Received: 03/21/19

Sample Location: NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Diethyl phthalate | ND | | ug/kg | 200 | 19. | 1 |
| Dimethyl phthalate | ND | | ug/kg | 200 | 43. | 1 |
| Benzo(a)anthracene | ND | | ug/kg | 120 | 23. | 1 |
| Benzo(a)pyrene | ND | | ug/kg | 160 | 50. | 1 |
| Benzo(b)fluoranthene | ND | | ug/kg | 120 | 34. | 1 |
| Benzo(k)fluoranthene | ND | | ug/kg | 120 | 33. | 1 |
| Chrysene | ND | | ug/kg | 120 | 21. | 1 |
| Acenaphthylene | ND | | ug/kg | 160 | 32. | 1 |
| Anthracene | ND | | ug/kg | 120 | 40. | 1 |
| Benzo(ghi)perylene | ND | | ug/kg | 160 | 24. | 1 |
| Fluorene | ND | | ug/kg | 200 | 20. | 1 |
| Phenanthrene | ND | | ug/kg | 120 | 25. | 1 |
| Dibenzo(a,h)anthracene | ND | | ug/kg | 120 | 24. | 1 |
| Indeno(1,2,3-cd)pyrene | ND | | ug/kg | 160 | 28. | 1 |
| Pyrene | ND | | ug/kg | 120 | 20. | 1 |
| Biphenyl | ND | | ug/kg | 470 | 47. | 1 |
| 4-Chloroaniline | ND | | ug/kg | 200 | 37. | 1 |
| 2-Nitroaniline | ND | | ug/kg | 200 | 39. | 1 |
| 3-Nitroaniline | ND | | ug/kg | 200 | 38. | 1 |
| 4-Nitroaniline | ND | | ug/kg | 200 | 85. | 1 |
| Dibenzofuran | ND | | ug/kg | 200 | 19. | 1 |
| 2-Methylnaphthalene | ND | | ug/kg | 240 | 25. | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 200 | 21. | 1 |
| Acetophenone | ND | | ug/kg | 200 | 25. | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 120 | 39. | 1 |
| p-Chloro-m-cresol | ND | | ug/kg | 200 | 30. | 1 |
| 2-Chlorophenol | ND | | ug/kg | 200 | 24. | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 180 | 33. | 1 |
| 2,4-Dimethylphenol | ND | | ug/kg | 200 | 68. | 1 |
| 2-Nitrophenol | ND | | ug/kg | 440 | 77. | 1 |
| 4-Nitrophenol | ND | | ug/kg | 290 | 83. | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 980 | 95. | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 530 | 98. | 1 |
| Pentachlorophenol | ND | | ug/kg | 160 | 45. | 1 |
| Phenol | ND | | ug/kg | 200 | 31. | 1 |
| 2-Methylphenol | ND | | ug/kg | 200 | 32. | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 290 | 32. | 1 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-04 Date Collected: 03/20/19 11:00

Client ID: S-4 Date Received: 03/21/19

Sample Location: NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 200 | 39. | 1 |
| Benzoic Acid | ND | | ug/kg | 660 | 210 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 200 | 63. | 1 |
| Carbazole | ND | | ug/kg | 200 | 20. | 1 |
| **Tentatively Identified Compounds** | | | | | | |
| No Tentatively Identified Compounds | ND | | ug/kg | | | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 65 | | 25-120 |
| Phenol-d6 | 62 | | 10-120 |
| Nitrobenzene-d5 | 72 | | 23-120 |
| 2-Fluorobiphenyl | 70 | | 30-120 |
| 2,4,6-Tribromophenol | 73 | | 10-136 |
| 4-Terphenyl-d14 | 64 | | 18-120 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-05
Client ID: S-5
Sample Location: NY

Date Collected: 03/20/19 11:20
Date Received: 03/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/27/19 01:01
Analyst: EK
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 03/24/19 03:10

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Acenaphthene | ND | | ug/kg | 160 | 21. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 200 | 23. | 1 |
| Hexachlorobenzene | ND | | ug/kg | 120 | 23. | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 180 | 27. | 1 |
| 2-Chloronaphthalene | ND | | ug/kg | 200 | 20. | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 200 | 36. | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 200 | 35. | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 200 | 35. | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 200 | 54. | 1 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 200 | 40. | 1 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 200 | 35. | 1 |
| Fluoranthene | 110 | J | ug/kg | 120 | 23. | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 200 | 22. | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 200 | 31. | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 240 | 34. | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 220 | 20. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 200 | 30. | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 580 | 180 | 1 |
| Hexachloroethane | ND | | ug/kg | 160 | 33. | 1 |
| Isophorone | ND | | ug/kg | 180 | 26. | 1 |
| Naphthalene | 26 | J | ug/kg | 200 | 25. | 1 |
| Nitrobenzene | ND | | ug/kg | 180 | 30. | 1 |
| NDPA/DPA | ND | | ug/kg | 160 | 23. | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 200 | 31. | 1 |
| Bis(2-ethylhexyl)phthalate | ND | | ug/kg | 200 | 70. | 1 |
| Butyl benzyl phthalate | ND | | ug/kg | 200 | 51. | 1 |
| Di-n-butylphthalate | ND | | ug/kg | 200 | 38. | 1 |
| Di-n-octylphthalate | ND | | ug/kg | 200 | 69. | 1 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-05 Date Collected: 03/20/19 11:20

Client ID: S-5 Date Received: 03/21/19

Sample Location: NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Diethyl phthalate | ND | | ug/kg | 200 | 19. | 1 |
| Dimethyl phthalate | ND | | ug/kg | 200 | 42. | 1 |
| Benzo(a)anthracene | 84 | J | ug/kg | 120 | 23. | 1 |
| Benzo(a)pyrene | 99 | J | ug/kg | 160 | 49. | 1 |
| Benzo(b)fluoranthene | 110 | J | ug/kg | 120 | 34. | 1 |
| Benzo(k)fluoranthene | 41 | J | ug/kg | 120 | 32. | 1 |
| Chrysene | 92 | J | ug/kg | 120 | 21. | 1 |
| Acenaphthylene | ND | | ug/kg | 160 | 31. | 1 |
| Anthracene | 55 | J | ug/kg | 120 | 39. | 1 |
| Benzo(ghi)perylene | 63 | J | ug/kg | 160 | 24. | 1 |
| Fluorene | ND | | ug/kg | 200 | 20. | 1 |
| Phenanthrene | 96 | J | ug/kg | 120 | 25. | 1 |
| Dibenzo(a,h)anthracene | ND | | ug/kg | 120 | 23. | 1 |
| Indeno(1,2,3-cd)pyrene | 68 | J | ug/kg | 160 | 28. | 1 |
| Pyrene | 81 | J | ug/kg | 120 | 20. | 1 |
| Biphenyl | ND | | ug/kg | 460 | 47. | 1 |
| 4-Chloroaniline | ND | | ug/kg | 200 | 37. | 1 |
| 2-Nitroaniline | ND | | ug/kg | 200 | 39. | 1 |
| 3-Nitroaniline | ND | | ug/kg | 200 | 38. | 1 |
| 4-Nitroaniline | ND | | ug/kg | 200 | 84. | 1 |
| Dibenzofuran | ND | | ug/kg | 200 | 19. | 1 |
| 2-Methylnaphthalene | ND | | ug/kg | 240 | 24. | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 200 | 21. | 1 |
| Acetophenone | ND | | ug/kg | 200 | 25. | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 120 | 38. | 1 |
| p-Chloro-m-cresol | ND | | ug/kg | 200 | 30. | 1 |
| 2-Chlorophenol | ND | | ug/kg | 200 | 24. | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 180 | 32. | 1 |
| 2,4-Dimethylphenol | ND | | ug/kg | 200 | 67. | 1 |
| 2-Nitrophenol | ND | | ug/kg | 440 | 76. | 1 |
| 4-Nitrophenol | ND | | ug/kg | 280 | 83. | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 970 | 94. | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 530 | 97. | 1 |
| Pentachlorophenol | ND | | ug/kg | 160 | 44. | 1 |
| Phenol | ND | | ug/kg | 200 | 30. | 1 |
| 2-Methylphenol | ND | | ug/kg | 200 | 31. | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 290 | 32. | 1 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-05 Date Collected: 03/20/19 11:20

Client ID: S-5 Date Received: 03/21/19

Sample Location: NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 200 | 39. | 1 |
| Benzoic Acid | ND | | ug/kg | 660 | 200 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 200 | 62. | 1 |
| Carbazole | 63 | J | ug/kg | 200 | 20. | 1 |
| **Tentatively Identified Compounds** | | | | | | |
| Total TIC Compounds | 2830 | J | ug/kg | | | 1 |
| Unknown | 484 | J | ug/kg | | | 1 |
| Unknown Alkane | 198 | J | ug/kg | | | 1 |
| Unknown Alkane | 215 | J | ug/kg | | | 1 |
| Unknown Alkane | 303 | J | ug/kg | | | 1 |
| Unknown Alkane | 411 | J | ug/kg | | | 1 |
| Unknown Alkane | 336 | J | ug/kg | | | 1 |
| Unknown Alkane | 330 | J | ug/kg | | | 1 |
| Unknown | 553 | J | ug/kg | | | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 74 | | 25-120 |
| Phenol-d6 | 73 | | 10-120 |
| Nitrobenzene-d5 | 78 | | 23-120 |
| 2-Fluorobiphenyl | 78 | | 30-120 |
| 2,4,6-Tribromophenol | 89 | | 10-136 |
| 4-Terphenyl-d14 | 78 | | 18-120 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-06
Client ID: S-6
Sample Location: NY

Date Collected: 03/20/19 11:30
Date Received: 03/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/27/19 05:49
Analyst: RC
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 03/24/19 03:10

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Acenaphthene | ND | | ug/kg | 150 | 20. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 190 | 22. | 1 |
| Hexachlorobenzene | ND | | ug/kg | 120 | 22. | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 170 | 26. | 1 |
| 2-Chloronaphthalene | ND | | ug/kg | 190 | 19. | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 190 | 35. | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 190 | 33. | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 190 | 34. | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 190 | 51. | 1 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 190 | 38. | 1 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 190 | 33. | 1 |
| Fluoranthene | ND | | ug/kg | 120 | 22. | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 190 | 21. | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 190 | 29. | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 230 | 33. | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 210 | 19. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 190 | 28. | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 550 | 170 | 1 |
| Hexachloroethane | ND | | ug/kg | 150 | 31. | 1 |
| Isophorone | ND | | ug/kg | 170 | 25. | 1 |
| Naphthalene | ND | | ug/kg | 190 | 23. | 1 |
| Nitrobenzene | ND | | ug/kg | 170 | 28. | 1 |
| NDPA/DPA | ND | | ug/kg | 150 | 22. | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 190 | 30. | 1 |
| Bis(2-ethylhexyl)phthalate | ND | | ug/kg | 190 | 67. | 1 |
| Butyl benzyl phthalate | ND | | ug/kg | 190 | 48. | 1 |
| Di-n-butylphthalate | ND | | ug/kg | 190 | 36. | 1 |
| Di-n-octylphthalate | ND | | ug/kg | 190 | 66. | 1 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-06 Date Collected: 03/20/19 11:30

Client ID: S-6 Date Received: 03/21/19

Sample Location: NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Diethyl phthalate | ND | | ug/kg | 190 | 18. | 1 |
| Dimethyl phthalate | ND | | ug/kg | 190 | 40. | 1 |
| Benzo(a)anthracene | ND | | ug/kg | 120 | 22. | 1 |
| Benzo(a)pyrene | ND | | ug/kg | 150 | 47. | 1 |
| Benzo(b)fluoranthene | ND | | ug/kg | 120 | 32. | 1 |
| Benzo(k)fluoranthene | ND | | ug/kg | 120 | 31. | 1 |
| Chrysene | ND | | ug/kg | 120 | 20. | 1 |
| Acenaphthylene | ND | | ug/kg | 150 | 30. | 1 |
| Anthracene | ND | | ug/kg | 120 | 38. | 1 |
| Benzo(ghi)perylene | ND | | ug/kg | 150 | 23. | 1 |
| Fluorene | ND | | ug/kg | 190 | 19. | 1 |
| Phenanthrene | ND | | ug/kg | 120 | 23. | 1 |
| Dibenzo(a,h)anthracene | ND | | ug/kg | 120 | 22. | 1 |
| Indeno(1,2,3-cd)pyrene | ND | | ug/kg | 150 | 27. | 1 |
| Pyrene | ND | | ug/kg | 120 | 19. | 1 |
| Biphenyl | ND | | ug/kg | 440 | 45. | 1 |
| 4-Chloroaniline | ND | | ug/kg | 190 | 35. | 1 |
| 2-Nitroaniline | ND | | ug/kg | 190 | 37. | 1 |
| 3-Nitroaniline | ND | | ug/kg | 190 | 36. | 1 |
| 4-Nitroaniline | ND | | ug/kg | 190 | 80. | 1 |
| Dibenzofuran | ND | | ug/kg | 190 | 18. | 1 |
| 2-Methylnaphthalene | ND | | ug/kg | 230 | 23. | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 190 | 20. | 1 |
| Acetophenone | ND | | ug/kg | 190 | 24. | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 120 | 36. | 1 |
| p-Chloro-m-cresol | ND | | ug/kg | 190 | 29. | 1 |
| 2-Chlorophenol | ND | | ug/kg | 190 | 23. | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 170 | 31. | 1 |
| 2,4-Dimethylphenol | ND | | ug/kg | 190 | 64. | 1 |
| 2-Nitrophenol | ND | | ug/kg | 420 | 72. | 1 |
| 4-Nitrophenol | ND | | ug/kg | 270 | 79. | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 920 | 90. | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 500 | 92. | 1 |
| Pentachlorophenol | ND | | ug/kg | 150 | 42. | 1 |
| Phenol | ND | | ug/kg | 190 | 29. | 1 |
| 2-Methylphenol | ND | | ug/kg | 190 | 30. | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 280 | 30. | 1 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-06 Date Collected: 03/20/19 11:30

Client ID: S-6 Date Received: 03/21/19

Sample Location: NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 190 | 37. | 1 |
| Benzoic Acid | ND | | ug/kg | 620 | 200 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 190 | 59. | 1 |
| Carbazole | ND | | ug/kg | 190 | 19. | 1 |
| **Tentatively Identified Compounds** | | | | | | |
| Total TIC Compounds | 571 | J | ug/kg | | | 1 |
| Unknown | 287 | J | ug/kg | | | 1 |
| Unknown | 284 | J | ug/kg | | | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 81 | | 25-120 |
| Phenol-d6 | 78 | | 10-120 |
| Nitrobenzene-d5 | 84 | | 23-120 |
| 2-Fluorobiphenyl | 74 | | 30-120 |
| 2,4,6-Tribromophenol | 105 | | 10-136 |
| 4-Terphenyl-d14 | 69 | | 18-120 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-07
Client ID: S-7
Sample Location: NY

Date Collected: 03/20/19 11:50
Date Received: 03/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/27/19 21:18
Analyst: RC
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 03/24/19 03:10

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Acenaphthene | 260 | | ug/kg | 150 | 19. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 180 | 21. | 1 |
| Hexachlorobenzene | ND | | ug/kg | 110 | 20. | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 160 | 25. | 1 |
| 2-Chloronaphthalene | ND | | ug/kg | 180 | 18. | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 180 | 33. | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 180 | 31. | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 180 | 32. | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 180 | 49. | 1 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 180 | 36. | 1 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 180 | 31. | 1 |
| Fluoranthene | 2000 | | ug/kg | 110 | 21. | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 180 | 20. | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 180 | 28. | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 220 | 31. | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 200 | 18. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 180 | 27. | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 520 | 160 | 1 |
| Hexachloroethane | ND | | ug/kg | 150 | 30. | 1 |
| Isophorone | ND | | ug/kg | 160 | 24. | 1 |
| Naphthalene | 800 | | ug/kg | 180 | 22. | 1 |
| Nitrobenzene | ND | | ug/kg | 160 | 27. | 1 |
| NDPA/DPA | ND | | ug/kg | 150 | 21. | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 180 | 28. | 1 |
| Bis(2-ethylhexyl)phthalate | ND | | ug/kg | 180 | 63. | 1 |
| Butyl benzyl phthalate | ND | | ug/kg | 180 | 46. | 1 |
| Di-n-butylphthalate | ND | | ug/kg | 180 | 35. | 1 |
| Di-n-octylphthalate | ND | | ug/kg | 180 | 62. | 1 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-07 Date Collected: 03/20/19 11:50

Client ID: S-7 Date Received: 03/21/19

Sample Location: NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Diethyl phthalate | ND | | ug/kg | 180 | 17. | 1 |
| Dimethyl phthalate | ND | | ug/kg | 180 | 38. | 1 |
| Benzo(a)anthracene | 890 | | ug/kg | 110 | 20. | 1 |
| Benzo(a)pyrene | 690 | | ug/kg | 150 | 44. | 1 |
| Benzo(b)fluoranthene | 810 | | ug/kg | 110 | 31. | 1 |
| Benzo(k)fluoranthene | 280 | | ug/kg | 110 | 29. | 1 |
| Chrysene | 750 | | ug/kg | 110 | 19. | 1 |
| Acenaphthylene | 140 | J | ug/kg | 150 | 28. | 1 |
| Anthracene | 620 | | ug/kg | 110 | 36. | 1 |
| Benzo(ghi)perylene | 370 | | ug/kg | 150 | 21. | 1 |
| Fluorene | 330 | | ug/kg | 180 | 18. | 1 |
| Phenanthrene | 1300 | | ug/kg | 110 | 22. | 1 |
| Dibenzo(a,h)anthracene | 90 | J | ug/kg | 110 | 21. | 1 |
| Indeno(1,2,3-cd)pyrene | 390 | | ug/kg | 150 | 25. | 1 |
| Pyrene | 1600 | | ug/kg | 110 | 18. | 1 |
| Biphenyl | ND | | ug/kg | 420 | 42. | 1 |
| 4-Chloroaniline | ND | | ug/kg | 180 | 33. | 1 |
| 2-Nitroaniline | ND | | ug/kg | 180 | 35. | 1 |
| 3-Nitroaniline | ND | | ug/kg | 180 | 34. | 1 |
| 4-Nitroaniline | ND | | ug/kg | 180 | 76. | 1 |
| Dibenzofuran | 70 | J | ug/kg | 180 | 17. | 1 |
| 2-Methylnaphthalene | 64 | J | ug/kg | 220 | 22. | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 180 | 19. | 1 |
| Acetophenone | ND | | ug/kg | 180 | 23. | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 110 | 35. | 1 |
| p-Chloro-m-cresol | ND | | ug/kg | 180 | 27. | 1 |
| 2-Chlorophenol | ND | | ug/kg | 180 | 22. | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 160 | 29. | 1 |
| 2,4-Dimethylphenol | ND | | ug/kg | 180 | 60. | 1 |
| 2-Nitrophenol | ND | | ug/kg | 390 | 69. | 1 |
| 4-Nitrophenol | ND | | ug/kg | 260 | 74. | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 880 | 85. | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 480 | 88. | 1 |
| Pentachlorophenol | ND | | ug/kg | 150 | 40. | 1 |
| Phenol | ND | | ug/kg | 180 | 28. | 1 |
| 2-Methylphenol | ND | | ug/kg | 180 | 28. | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 260 | 29. | 1 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-07 Date Collected: 03/20/19 11:50

Client ID: S-7 Date Received: 03/21/19

Sample Location: NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 180 | 35. | 1 |
| Benzoic Acid | ND | | ug/kg | 590 | 180 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 180 | 56. | 1 |
| Carbazole | 72 | J | ug/kg | 180 | 18. | 1 |
| **Tentatively Identified Compounds** | | | | | | |
| Total TIC Compounds | 2200 | J | ug/kg | | | 1 |
| Unknown PAH | 217 | J | ug/kg | | | 1 |
| Indane | 1050 | NJ | ug/kg | | | 1 |
| Unknown | 390 | J | ug/kg | | | 1 |
| Unknown Benzene | 149 | J | ug/kg | | | 1 |
| Unknown | 178 | J | ug/kg | | | 1 |
| Unknown | 217 | J | ug/kg | | | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 71 | | 25-120 |
| Phenol-d6 | 73 | | 10-120 |
| Nitrobenzene-d5 | 74 | | 23-120 |
| 2-Fluorobiphenyl | 71 | | 30-120 |
| 2,4,6-Tribromophenol | 76 | | 10-136 |
| 4-Terphenyl-d14 | 66 | | 18-120 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-08
Client ID: S-8
Sample Location: NY

Date Collected: 03/20/19 12:05
Date Received: 03/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/27/19 06:16
Analyst: RC
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 03/24/19 03:10

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Acenaphthene | ND | | ug/kg | 150 | 20. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 190 | 22. | 1 |
| Hexachlorobenzene | ND | | ug/kg | 110 | 21. | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 170 | 26. | 1 |
| 2-Chloronaphthalene | ND | | ug/kg | 190 | 19. | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 190 | 34. | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 190 | 32. | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 190 | 33. | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 190 | 50. | 1 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 190 | 38. | 1 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 190 | 32. | 1 |
| Fluoranthene | ND | | ug/kg | 110 | 22. | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 190 | 20. | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 190 | 29. | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 230 | 32. | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 200 | 19. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 190 | 28. | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 540 | 170 | 1 |
| Hexachloroethane | ND | | ug/kg | 150 | 31. | 1 |
| Isophorone | ND | | ug/kg | 170 | 24. | 1 |
| Naphthalene | ND | | ug/kg | 190 | 23. | 1 |
| Nitrobenzene | ND | | ug/kg | 170 | 28. | 1 |
| NDPA/DPA | ND | | ug/kg | 150 | 22. | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 190 | 29. | 1 |
| Bis(2-ethylhexyl)phthalate | ND | | ug/kg | 190 | 66. | 1 |
| Butyl benzyl phthalate | ND | | ug/kg | 190 | 48. | 1 |
| Di-n-butylphthalate | ND | | ug/kg | 190 | 36. | 1 |
| Di-n-octylphthalate | ND | | ug/kg | 190 | 64. | 1 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-08 Date Collected: 03/20/19 12:05

Client ID: S-8 Date Received: 03/21/19

Sample Location: NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Diethyl phthalate | ND | | ug/kg | 190 | 18. | 1 |
| Dimethyl phthalate | ND | | ug/kg | 190 | 40. | 1 |
| Benzo(a)anthracene | ND | | ug/kg | 110 | 21. | 1 |
| Benzo(a)pyrene | ND | | ug/kg | 150 | 46. | 1 |
| Benzo(b)fluoranthene | ND | | ug/kg | 110 | 32. | 1 |
| Benzo(k)fluoranthene | ND | | ug/kg | 110 | 30. | 1 |
| Chrysene | ND | | ug/kg | 110 | 20. | 1 |
| Acenaphthylene | ND | | ug/kg | 150 | 29. | 1 |
| Anthracene | ND | | ug/kg | 110 | 37. | 1 |
| Benzo(ghi)perylene | ND | | ug/kg | 150 | 22. | 1 |
| Fluorene | ND | | ug/kg | 190 | 18. | 1 |
| Phenanthrene | ND | | ug/kg | 110 | 23. | 1 |
| Dibenzo(a,h)anthracene | ND | | ug/kg | 110 | 22. | 1 |
| Indeno(1,2,3-cd)pyrene | ND | | ug/kg | 150 | 26. | 1 |
| Pyrene | ND | | ug/kg | 110 | 19. | 1 |
| Biphenyl | ND | | ug/kg | 430 | 44. | 1 |
| 4-Chloroaniline | ND | | ug/kg | 190 | 34. | 1 |
| 2-Nitroaniline | ND | | ug/kg | 190 | 36. | 1 |
| 3-Nitroaniline | ND | | ug/kg | 190 | 36. | 1 |
| 4-Nitroaniline | ND | | ug/kg | 190 | 78. | 1 |
| Dibenzofuran | ND | | ug/kg | 190 | 18. | 1 |
| 2-Methylnaphthalene | ND | | ug/kg | 230 | 23. | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 190 | 20. | 1 |
| Acetophenone | ND | | ug/kg | 190 | 23. | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 110 | 36. | 1 |
| p-Chloro-m-cresol | ND | | ug/kg | 190 | 28. | 1 |
| 2-Chlorophenol | ND | | ug/kg | 190 | 22. | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 170 | 30. | 1 |
| 2,4-Dimethylphenol | ND | | ug/kg | 190 | 62. | 1 |
| 2-Nitrophenol | ND | | ug/kg | 410 | 71. | 1 |
| 4-Nitrophenol | ND | | ug/kg | 260 | 77. | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 910 | 88. | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 490 | 91. | 1 |
| Pentachlorophenol | ND | | ug/kg | 150 | 42. | 1 |
| Phenol | ND | | ug/kg | 190 | 29. | 1 |
| 2-Methylphenol | ND | | ug/kg | 190 | 29. | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 270 | 30. | 1 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-08 Date Collected: 03/20/19 12:05

Client ID: S-8 Date Received: 03/21/19

Sample Location: NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 190 | 36. | 1 |
| Benzoic Acid | ND | | ug/kg | 610 | 190 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 190 | 58. | 1 |
| Carbazole | ND | | ug/kg | 190 | 18. | 1 |
| **Tentatively Identified Compounds** | | | | | | |
| No Tentatively Identified Compounds | ND | | ug/kg | | | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 66 | | 25-120 |
| Phenol-d6 | 64 | | 10-120 |
| Nitrobenzene-d5 | 72 | | 23-120 |
| 2-Fluorobiphenyl | 66 | | 30-120 |
| 2,4,6-Tribromophenol | 73 | | 10-136 |
| 4-Terphenyl-d14 | 58 | | 18-120 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-09
Client ID: TWP-1
Sample Location: NY

Date Collected: 03/20/19 10:45
Date Received: 03/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 03/28/19 10:20
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 03/25/19 09:47

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 5.0 | 0.50 | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/l | 2.0 | 0.50 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.0 | 0.45 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.0 | 0.40 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.0 | 0.43 | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/l | 5.0 | 1.6 | 1 |
| 2,4-Dinitrotoluene | ND | | ug/l | 5.0 | 1.2 | 1 |
| 2,6-Dinitrotoluene | ND | | ug/l | 5.0 | 0.93 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/l | 2.0 | 0.49 | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/l | 2.0 | 0.38 | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/l | 2.0 | 0.53 | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/l | 5.0 | 0.50 | 1 |
| Hexachlorocyclopentadiene | ND | | ug/l | 20 | 0.69 | 1 |
| Isophorone | ND | | ug/l | 5.0 | 1.2 | 1 |
| Nitrobenzene | ND | | ug/l | 2.0 | 0.77 | 1 |
| NDPA/DPA | ND | | ug/l | 2.0 | 0.42 | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/l | 5.0 | 0.64 | 1 |
| Bis(2-ethylhexyl)phthalate | ND | | ug/l | 3.0 | 1.5 | 1 |
| Butyl benzyl phthalate | ND | | ug/l | 5.0 | 1.2 | 1 |
| Di-n-butylphthalate | ND | | ug/l | 5.0 | 0.39 | 1 |
| Di-n-octylphthalate | ND | | ug/l | 5.0 | 1.3 | 1 |
| Diethyl phthalate | ND | | ug/l | 5.0 | 0.38 | 1 |
| Dimethyl phthalate | ND | | ug/l | 5.0 | 1.8 | 1 |
| Biphenyl | 2.9 | | ug/l | 2.0 | 0.46 | 1 |
| 4-Chloroaniline | ND | | ug/l | 5.0 | 1.1 | 1 |
| 2-Nitroaniline | ND | | ug/l | 5.0 | 0.50 | 1 |
| 3-Nitroaniline | ND | | ug/l | 5.0 | 0.81 | 1 |
| 4-Nitroaniline | ND | | ug/l | 5.0 | 0.80 | 1 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-09 Date Collected: 03/20/19 10:45

Client ID: TWP-1 Date Received: 03/21/19

Sample Location: NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Dibenzofuran | 6.8 | | ug/l | 2.0 | 0.50 | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/l | 10 | 0.44 | 1 |
| Acetophenone | ND | | ug/l | 5.0 | 0.53 | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/l | 5.0 | 0.61 | 1 |
| p-Chloro-m-cresol | ND | | ug/l | 2.0 | 0.35 | 1 |
| 2-Chlorophenol | ND | | ug/l | 2.0 | 0.48 | 1 |
| 2,4-Dichlorophenol | ND | | ug/l | 5.0 | 0.41 | 1 |
| 2,4-Dimethylphenol | ND | | ug/l | 5.0 | 1.8 | 1 |
| 2-Nitrophenol | ND | | ug/l | 10 | 0.85 | 1 |
| 4-Nitrophenol | ND | | ug/l | 10 | 0.67 | 1 |
| 2,4-Dinitrophenol | ND | | ug/l | 20 | 6.6 | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/l | 10 | 1.8 | 1 |
| Phenol | ND | | ug/l | 5.0 | 0.57 | 1 |
| 2-Methylphenol | ND | | ug/l | 5.0 | 0.49 | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/l | 5.0 | 0.48 | 1 |
| 2,4,5-Trichlorophenol | ND | | ug/l | 5.0 | 0.77 | 1 |
| Benzoic Acid | ND | | ug/l | 50 | 2.6 | 1 |
| Benzyl Alcohol | ND | | ug/l | 2.0 | 0.59 | 1 |
| Carbazole | 5.8 | | ug/l | 2.0 | 0.49 | 1 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-09 Date Collected: 03/20/19 10:45

Client ID: TWP-1 Date Received: 03/21/19

Sample Location: NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| **Tentatively Identified Compounds** | | | | | | |
| Total TIC Compounds | 150 | J | ug/l | | | 1 |
| Unknown Benzene | 10.8 | J | ug/l | | | 1 |
| Unknown Naphthalene | 6.04 | J | ug/l | | | 1 |
| Unknown PAH | 7.09 | J | ug/l | | | 1 |
| Unknown PAH | 8.91 | J | ug/l | | | 1 |
| Unknown PAH | 13.3 | J | ug/l | | | 1 |
| Unknown PAH | 7.56 | J | ug/l | | | 1 |
| Unknown | 9.05 | J | ug/l | | | 1 |
| Unknown PAH | 8.22 | J | ug/l | | | 1 |
| Unknown | 10.6 | J | ug/l | | | 1 |
| Unknown PAH | 5.96 | J | ug/l | | | 1 |
| Aldol Condensates | 26.4 | J | ug/l | | | 1 |
| Unknown | 10.8 | J | ug/l | | | 1 |
| Unknown | 8.73 | J | ug/l | | | 1 |
| Unknown PAH | 6.36 | J | ug/l | | | 1 |
| Unknown | 10.0 | J | ug/l | | | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 70 | | 21-120 |
| Phenol-d6 | 59 | | 10-120 |
| Nitrobenzene-d5 | 75 | | 23-120 |
| 2-Fluorobiphenyl | 79 | | 15-120 |
| 2,4,6-Tribromophenol | 78 | | 10-120 |
| 4-Terphenyl-d14 | 102 | | 41-149 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-09
Client ID: TWP-1
Sample Location: NY

Date Collected: 03/20/19 10:45
Date Received: 03/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 03/28/19 11:32
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 03/25/19 09:48

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS-SIM - Westborough Lab** | | | | | | |
| Acenaphthene | 2.6 | | ug/l | 0.10 | 0.01 | 1 |
| 2-Chloronaphthalene | ND | | ug/l | 0.20 | 0.02 | 1 |
| Fluoranthene | 68 | E | ug/l | 0.10 | 0.02 | 1 |
| Hexachlorobutadiene | ND | | ug/l | 0.50 | 0.05 | 1 |
| Naphthalene | 150 | E | ug/l | 0.10 | 0.05 | 1 |
| Benzo(a)anthracene | 38 | E | ug/l | 0.10 | 0.02 | 1 |
| Benzo(a)pyrene | 29 | | ug/l | 0.10 | 0.02 | 1 |
| Benzo(b)fluoranthene | 22 | | ug/l | 0.10 | 0.01 | 1 |
| Benzo(k)fluoranthene | 23 | | ug/l | 0.10 | 0.01 | 1 |
| Chrysene | 27 | | ug/l | 0.10 | 0.01 | 1 |
| Acenaphthylene | 3.9 | | ug/l | 0.10 | 0.01 | 1 |
| Anthracene | 18 | | ug/l | 0.10 | 0.01 | 1 |
| Benzo(ghi)perylene | 18 | | ug/l | 0.10 | 0.01 | 1 |
| Fluorene | 4.6 | | ug/l | 0.10 | 0.01 | 1 |
| Phenanthrene | 15 | | ug/l | 0.10 | 0.02 | 1 |
| Dibenzo(a,h)anthracene | 5.4 | | ug/l | 0.10 | 0.01 | 1 |
| Indeno(1,2,3-cd)pyrene | 17 | | ug/l | 0.10 | 0.01 | 1 |
| Pyrene | 58 | E | ug/l | 0.10 | 0.02 | 1 |
| 2-Methylnaphthalene | 4.7 | | ug/l | 0.10 | 0.02 | 1 |
| Pentachlorophenol | ND | | ug/l | 0.80 | 0.01 | 1 |
| Hexachlorobenzene | ND | | ug/l | 0.80 | 0.01 | 1 |
| Hexachloroethane | ND | | ug/l | 0.80 | 0.06 | 1 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-09 Date Collected: 03/20/19 10:45

Client ID: TWP-1 Date Received: 03/21/19

Sample Location: NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|

Semivolatile Organics by GC/MS-SIM - Westborough Lab

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 54 | | 21-120 |
| Phenol-d6 | 51 | | 10-120 |
| Nitrobenzene-d5 | 79 | | 23-120 |
| 2-Fluorobiphenyl | 78 | | 15-120 |
| 2,4,6-Tribromophenol | 76 | | 10-120 |
| 4-Terphenyl-d14 | 87 | | 41-149 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-09 D
Client ID: TWP-1
Sample Location: NY

Date Collected: 03/20/19 10:45
Date Received: 03/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 03/28/19 12:43
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 03/25/19 09:48

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS-SIM - Westborough Lab** | | | | | | |
| Fluoranthene | 65 | | ug/l | 1.0 | 0.20 | 10 |
| Naphthalene | 150 | | ug/l | 1.0 | 0.49 | 10 |
| Benzo(a)anthracene | 29 | | ug/l | 1.0 | 0.20 | 10 |
| Pyrene | 56 | | ug/l | 1.0 | 0.19 | 10 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-10
Client ID: TWP-3
Sample Location: NY

Date Collected: 03/20/19 11:35
Date Received: 03/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 03/28/19 10:47
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 03/25/19 09:47

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 5.0 | 0.50 | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/l | 2.0 | 0.50 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.0 | 0.45 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.0 | 0.40 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.0 | 0.43 | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/l | 5.0 | 1.6 | 1 |
| 2,4-Dinitrotoluene | ND | | ug/l | 5.0 | 1.2 | 1 |
| 2,6-Dinitrotoluene | ND | | ug/l | 5.0 | 0.93 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/l | 2.0 | 0.49 | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/l | 2.0 | 0.38 | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/l | 2.0 | 0.53 | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/l | 5.0 | 0.50 | 1 |
| Hexachlorocyclopentadiene | ND | | ug/l | 20 | 0.69 | 1 |
| Isophorone | ND | | ug/l | 5.0 | 1.2 | 1 |
| Nitrobenzene | ND | | ug/l | 2.0 | 0.77 | 1 |
| NDPA/DPA | ND | | ug/l | 2.0 | 0.42 | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/l | 5.0 | 0.64 | 1 |
| Bis(2-ethylhexyl)phthalate | ND | | ug/l | 3.0 | 1.5 | 1 |
| Butyl benzyl phthalate | ND | | ug/l | 5.0 | 1.2 | 1 |
| Di-n-butylphthalate | ND | | ug/l | 5.0 | 0.39 | 1 |
| Di-n-octylphthalate | ND | | ug/l | 5.0 | 1.3 | 1 |
| Diethyl phthalate | ND | | ug/l | 5.0 | 0.38 | 1 |
| Dimethyl phthalate | ND | | ug/l | 5.0 | 1.8 | 1 |
| Biphenyl | ND | | ug/l | 2.0 | 0.46 | 1 |
| 4-Chloroaniline | ND | | ug/l | 5.0 | 1.1 | 1 |
| 2-Nitroaniline | ND | | ug/l | 5.0 | 0.50 | 1 |
| 3-Nitroaniline | ND | | ug/l | 5.0 | 0.81 | 1 |
| 4-Nitroaniline | ND | | ug/l | 5.0 | 0.80 | 1 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-10 Date Collected: 03/20/19 11:35

Client ID: TWP-3 Date Received: 03/21/19

Sample Location: NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Dibenzofuran | ND | | ug/l | 2.0 | 0.50 | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/l | 10 | 0.44 | 1 |
| Acetophenone | ND | | ug/l | 5.0 | 0.53 | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/l | 5.0 | 0.61 | 1 |
| p-Chloro-m-cresol | ND | | ug/l | 2.0 | 0.35 | 1 |
| 2-Chlorophenol | ND | | ug/l | 2.0 | 0.48 | 1 |
| 2,4-Dichlorophenol | ND | | ug/l | 5.0 | 0.41 | 1 |
| 2,4-Dimethylphenol | ND | | ug/l | 5.0 | 1.8 | 1 |
| 2-Nitrophenol | ND | | ug/l | 10 | 0.85 | 1 |
| 4-Nitrophenol | ND | | ug/l | 10 | 0.67 | 1 |
| 2,4-Dinitrophenol | ND | | ug/l | 20 | 6.6 | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/l | 10 | 1.8 | 1 |
| Phenol | ND | | ug/l | 5.0 | 0.57 | 1 |
| 2-Methylphenol | ND | | ug/l | 5.0 | 0.49 | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/l | 5.0 | 0.48 | 1 |
| 2,4,5-Trichlorophenol | ND | | ug/l | 5.0 | 0.77 | 1 |
| Benzoic Acid | ND | | ug/l | 50 | 2.6 | 1 |
| Benzyl Alcohol | ND | | ug/l | 2.0 | 0.59 | 1 |
| Carbazole | ND | | ug/l | 2.0 | 0.49 | 1 |

| Tentatively Identified Compounds | | | | |
|---|---|---|---|---|
| Total TIC Compounds | 47.7 | J | ug/l | 1 |
| Unknown | 3.16 | J | ug/l | 1 |
| Unknown | 1.49 | J | ug/l | 1 |
| Unknown | 4.00 | J | ug/l | 1 |
| Unknown Organic Acid | 3.24 | J | ug/l | 1 |
| Aldol Condensates | 32.4 | J | ug/l | 1 |
| Unknown | 1.49 | J | ug/l | 1 |
| Unknown PAH | 1.93 | J | ug/l | 1 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

**SAMPLE RESULTS**

Lab ID: L1911169-10 Date Collected: 03/20/19 11:35

Client ID: TWP-3 Date Received: 03/21/19

Sample Location: NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab | | | | | | |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 73 | | 21-120 |
| Phenol-d6 | 57 | | 10-120 |
| Nitrobenzene-d5 | 76 | | 23-120 |
| 2-Fluorobiphenyl | 80 | | 15-120 |
| 2,4,6-Tribromophenol | 82 | | 10-120 |
| 4-Terphenyl-d14 | 93 | | 41-149 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-10
Client ID: TWP-3
Sample Location: NY

Date Collected: 03/20/19 11:35
Date Received: 03/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 03/28/19 11:56
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 03/25/19 09:48

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS-SIM - Westborough Lab** | | | | | | |
| Acenaphthene | 0.06 | J | ug/l | 0.10 | 0.01 | 1 |
| 2-Chloronaphthalene | ND | | ug/l | 0.20 | 0.02 | 1 |
| Fluoranthene | 4.1 | | ug/l | 0.10 | 0.02 | 1 |
| Hexachlorobutadiene | ND | | ug/l | 0.50 | 0.05 | 1 |
| Naphthalene | 0.36 | | ug/l | 0.10 | 0.05 | 1 |
| Benzo(a)anthracene | 2.9 | | ug/l | 0.10 | 0.02 | 1 |
| Benzo(a)pyrene | 3.2 | | ug/l | 0.10 | 0.02 | 1 |
| Benzo(b)fluoranthene | 2.7 | | ug/l | 0.10 | 0.01 | 1 |
| Benzo(k)fluoranthene | 2.6 | | ug/l | 0.10 | 0.01 | 1 |
| Chrysene | 2.8 | | ug/l | 0.10 | 0.01 | 1 |
| Acenaphthylene | 0.37 | | ug/l | 0.10 | 0.01 | 1 |
| Anthracene | 0.42 | | ug/l | 0.10 | 0.01 | 1 |
| Benzo(ghi)perylene | 2.2 | | ug/l | 0.10 | 0.01 | 1 |
| Fluorene | 0.16 | | ug/l | 0.10 | 0.01 | 1 |
| Phenanthrene | 1.2 | | ug/l | 0.10 | 0.02 | 1 |
| Dibenzo(a,h)anthracene | 0.80 | | ug/l | 0.10 | 0.01 | 1 |
| Indeno(1,2,3-cd)pyrene | 2.1 | | ug/l | 0.10 | 0.01 | 1 |
| Pyrene | 4.6 | | ug/l | 0.10 | 0.02 | 1 |
| 2-Methylnaphthalene | 0.12 | | ug/l | 0.10 | 0.02 | 1 |
| Pentachlorophenol | ND | | ug/l | 0.80 | 0.01 | 1 |
| Hexachlorobenzene | ND | | ug/l | 0.80 | 0.01 | 1 |
| Hexachloroethane | ND | | ug/l | 0.80 | 0.06 | 1 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-10 Date Collected: 03/20/19 11:35

Client ID: TWP-3 Date Received: 03/21/19

Sample Location: NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|

Semivolatile Organics by GC/MS-SIM - Westborough Lab

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 48 | | 21-120 |
| Phenol-d6 | 47 | | 10-120 |
| Nitrobenzene-d5 | 80 | | 23-120 |
| 2-Fluorobiphenyl | 80 | | 15-120 |
| 2,4,6-Tribromophenol | 60 | | 10-120 |
| 4-Terphenyl-d14 | 85 | | 41-149 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-11
Client ID: TWP-8
Sample Location: NY

Date Collected: 03/20/19 12:25
Date Received: 03/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 03/25/19 19:35
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 03/25/19 09:47

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 5.0 | 0.50 | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/l | 2.0 | 0.50 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.0 | 0.45 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.0 | 0.40 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.0 | 0.43 | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/l | 5.0 | 1.6 | 1 |
| 2,4-Dinitrotoluene | ND | | ug/l | 5.0 | 1.2 | 1 |
| 2,6-Dinitrotoluene | ND | | ug/l | 5.0 | 0.93 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/l | 2.0 | 0.49 | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/l | 2.0 | 0.38 | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/l | 2.0 | 0.53 | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/l | 5.0 | 0.50 | 1 |
| Hexachlorocyclopentadiene | ND | | ug/l | 20 | 0.69 | 1 |
| Isophorone | ND | | ug/l | 5.0 | 1.2 | 1 |
| Nitrobenzene | ND | | ug/l | 2.0 | 0.77 | 1 |
| NDPA/DPA | ND | | ug/l | 2.0 | 0.42 | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/l | 5.0 | 0.64 | 1 |
| Bis(2-ethylhexyl)phthalate | ND | | ug/l | 3.0 | 1.5 | 1 |
| Butyl benzyl phthalate | ND | | ug/l | 5.0 | 1.2 | 1 |
| Di-n-butylphthalate | ND | | ug/l | 5.0 | 0.39 | 1 |
| Di-n-octylphthalate | ND | | ug/l | 5.0 | 1.3 | 1 |
| Diethyl phthalate | ND | | ug/l | 5.0 | 0.38 | 1 |
| Dimethyl phthalate | ND | | ug/l | 5.0 | 1.8 | 1 |
| Biphenyl | ND | | ug/l | 2.0 | 0.46 | 1 |
| 4-Chloroaniline | ND | | ug/l | 5.0 | 1.1 | 1 |
| 2-Nitroaniline | ND | | ug/l | 5.0 | 0.50 | 1 |
| 3-Nitroaniline | ND | | ug/l | 5.0 | 0.81 | 1 |
| 4-Nitroaniline | ND | | ug/l | 5.0 | 0.80 | 1 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-11 Date Collected: 03/20/19 12:25

Client ID: TWP-8 Date Received: 03/21/19

Sample Location: NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Dibenzofuran | ND | | ug/l | 2.0 | 0.50 | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/l | 10 | 0.44 | 1 |
| Acetophenone | ND | | ug/l | 5.0 | 0.53 | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/l | 5.0 | 0.61 | 1 |
| p-Chloro-m-cresol | ND | | ug/l | 2.0 | 0.35 | 1 |
| 2-Chlorophenol | ND | | ug/l | 2.0 | 0.48 | 1 |
| 2,4-Dichlorophenol | ND | | ug/l | 5.0 | 0.41 | 1 |
| 2,4-Dimethylphenol | ND | | ug/l | 5.0 | 1.8 | 1 |
| 2-Nitrophenol | ND | | ug/l | 10 | 0.85 | 1 |
| 4-Nitrophenol | ND | | ug/l | 10 | 0.67 | 1 |
| 2,4-Dinitrophenol | ND | | ug/l | 20 | 6.6 | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/l | 10 | 1.8 | 1 |
| Phenol | ND | | ug/l | 5.0 | 0.57 | 1 |
| 2-Methylphenol | ND | | ug/l | 5.0 | 0.49 | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/l | 5.0 | 0.48 | 1 |
| 2,4,5-Trichlorophenol | ND | | ug/l | 5.0 | 0.77 | 1 |
| Benzoic Acid | ND | | ug/l | 50 | 2.6 | 1 |
| Benzyl Alcohol | ND | | ug/l | 2.0 | 0.59 | 1 |
| Carbazole | ND | | ug/l | 2.0 | 0.49 | 1 |

| Tentatively Identified Compounds | | | | | | |
|---|---|---|---|---|---|---|
| Total TIC Compounds | 42.6 | J | ug/l | | | 1 |
| Aldol Condensates | 33.5 | J | ug/l | | | 1 |
| Unknown Organic Acid | 7.27 | J | ug/l | | | 1 |
| Unknown Organic Acid | 1.82 | J | ug/l | | | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 114 | | 21-120 |
| Phenol-d6 | 104 | | 10-120 |
| Nitrobenzene-d5 | **126** | Q | 23-120 |
| 2-Fluorobiphenyl | **124** | Q | 15-120 |
| 2,4,6-Tribromophenol | **122** | Q | 10-120 |
| 4-Terphenyl-d14 | 137 | | 41-149 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-11
Client ID: TWP-8
Sample Location: NY

Date Collected: 03/20/19 12:25
Date Received: 03/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 03/28/19 11:13
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 03/25/19 09:47

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 5.0 | 0.50 | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/l | 2.0 | 0.50 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.0 | 0.45 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.0 | 0.40 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.0 | 0.43 | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/l | 5.0 | 1.6 | 1 |
| 2,4-Dinitrotoluene | ND | | ug/l | 5.0 | 1.2 | 1 |
| 2,6-Dinitrotoluene | ND | | ug/l | 5.0 | 0.93 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/l | 2.0 | 0.49 | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/l | 2.0 | 0.38 | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/l | 2.0 | 0.53 | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/l | 5.0 | 0.50 | 1 |
| Hexachlorocyclopentadiene | ND | | ug/l | 20 | 0.69 | 1 |
| Isophorone | ND | | ug/l | 5.0 | 1.2 | 1 |
| Nitrobenzene | ND | | ug/l | 2.0 | 0.77 | 1 |
| NDPA/DPA | ND | | ug/l | 2.0 | 0.42 | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/l | 5.0 | 0.64 | 1 |
| Bis(2-ethylhexyl)phthalate | ND | | ug/l | 3.0 | 1.5 | 1 |
| Butyl benzyl phthalate | ND | | ug/l | 5.0 | 1.2 | 1 |
| Di-n-butylphthalate | ND | | ug/l | 5.0 | 0.39 | 1 |
| Di-n-octylphthalate | ND | | ug/l | 5.0 | 1.3 | 1 |
| Diethyl phthalate | ND | | ug/l | 5.0 | 0.38 | 1 |
| Dimethyl phthalate | ND | | ug/l | 5.0 | 1.8 | 1 |
| Biphenyl | ND | | ug/l | 2.0 | 0.46 | 1 |
| 4-Chloroaniline | ND | | ug/l | 5.0 | 1.1 | 1 |
| 2-Nitroaniline | ND | | ug/l | 5.0 | 0.50 | 1 |
| 3-Nitroaniline | ND | | ug/l | 5.0 | 0.81 | 1 |
| 4-Nitroaniline | ND | | ug/l | 5.0 | 0.80 | 1 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-11 Date Collected: 03/20/19 12:25

Client ID: TWP-8 Date Received: 03/21/19

Sample Location: NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Dibenzofuran | ND | | ug/l | 2.0 | 0.50 | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/l | 10 | 0.44 | 1 |
| Acetophenone | ND | | ug/l | 5.0 | 0.53 | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/l | 5.0 | 0.61 | 1 |
| p-Chloro-m-cresol | ND | | ug/l | 2.0 | 0.35 | 1 |
| 2-Chlorophenol | ND | | ug/l | 2.0 | 0.48 | 1 |
| 2,4-Dichlorophenol | ND | | ug/l | 5.0 | 0.41 | 1 |
| 2,4-Dimethylphenol | ND | | ug/l | 5.0 | 1.8 | 1 |
| 2-Nitrophenol | ND | | ug/l | 10 | 0.85 | 1 |
| 4-Nitrophenol | ND | | ug/l | 10 | 0.67 | 1 |
| 2,4-Dinitrophenol | ND | | ug/l | 20 | 6.6 | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/l | 10 | 1.8 | 1 |
| Phenol | ND | | ug/l | 5.0 | 0.57 | 1 |
| 2-Methylphenol | ND | | ug/l | 5.0 | 0.49 | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/l | 5.0 | 0.48 | 1 |
| 2,4,5-Trichlorophenol | ND | | ug/l | 5.0 | 0.77 | 1 |
| Benzoic Acid | ND | | ug/l | 50 | 2.6 | 1 |
| Benzyl Alcohol | ND | | ug/l | 2.0 | 0.59 | 1 |
| Carbazole | ND | | ug/l | 2.0 | 0.49 | 1 |

**Tentatively Identified Compounds**

| | | | | | | |
|---|---|---|---|---|---|---|
| Total TIC Compounds | 12.6 | J | ug/l | | | 1 |
| Aldol Condensates | 12.6 | J | ug/l | | | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 49 | | 21-120 |
| Phenol-d6 | 37 | | 10-120 |
| Nitrobenzene-d5 | 42 | | 23-120 |
| 2-Fluorobiphenyl | 52 | | 15-120 |
| 2,4,6-Tribromophenol | 54 | | 10-120 |
| 4-Terphenyl-d14 | 57 | | 41-149 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-11
Client ID: TWP-8
Sample Location: NY

Date Collected: 03/20/19 12:25
Date Received: 03/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 03/28/19 12:19
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 03/25/19 09:48

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS-SIM - Westborough Lab** | | | | | | |
| Acenaphthene | ND | | ug/l | 0.10 | 0.01 | 1 |
| 2-Chloronaphthalene | ND | | ug/l | 0.20 | 0.02 | 1 |
| Fluoranthene | ND | | ug/l | 0.10 | 0.02 | 1 |
| Hexachlorobutadiene | ND | | ug/l | 0.50 | 0.05 | 1 |
| Naphthalene | ND | | ug/l | 0.10 | 0.05 | 1 |
| Benzo(a)anthracene | ND | | ug/l | 0.10 | 0.02 | 1 |
| Benzo(a)pyrene | ND | | ug/l | 0.10 | 0.02 | 1 |
| Benzo(b)fluoranthene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Benzo(k)fluoranthene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Chrysene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Acenaphthylene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Anthracene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Benzo(ghi)perylene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Fluorene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Phenanthrene | 0.03 | J | ug/l | 0.10 | 0.02 | 1 |
| Dibenzo(a,h)anthracene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Indeno(1,2,3-cd)pyrene | ND | | ug/l | 0.10 | 0.01 | 1 |
| Pyrene | ND | | ug/l | 0.10 | 0.02 | 1 |
| 2-Methylnaphthalene | ND | | ug/l | 0.10 | 0.02 | 1 |
| Pentachlorophenol | ND | | ug/l | 0.80 | 0.01 | 1 |
| Hexachlorobenzene | ND | | ug/l | 0.80 | 0.01 | 1 |
| Hexachloroethane | ND | | ug/l | 0.80 | 0.06 | 1 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-11 Date Collected: 03/20/19 12:25

Client ID: TWP-8 Date Received: 03/21/19

Sample Location: NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab | | | | | | |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 85 | | 21-120 |
| Phenol-d6 | 82 | | 10-120 |
| Nitrobenzene-d5 | **125** | Q | 23-120 |
| 2-Fluorobiphenyl | 120 | | 15-120 |
| 2,4,6-Tribromophenol | 110 | | 10-120 |
| 4-Terphenyl-d14 | 127 | | 41-149 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/23/19 21:06
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 03/23/19 05:44

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG1218787-1 | | | | | |
| Acenaphthene | ND | | ug/kg | 130 | 17. |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 160 | 19. |
| Hexachlorobenzene | ND | | ug/kg | 98 | 18. |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 150 | 22. |
| 2-Chloronaphthalene | ND | | ug/kg | 160 | 16. |
| 1,2-Dichlorobenzene | ND | | ug/kg | 160 | 29. |
| 1,3-Dichlorobenzene | ND | | ug/kg | 160 | 28. |
| 1,4-Dichlorobenzene | ND | | ug/kg | 160 | 29. |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 160 | 44. |
| 2,4-Dinitrotoluene | ND | | ug/kg | 160 | 33. |
| 2,6-Dinitrotoluene | ND | | ug/kg | 160 | 28. |
| Fluoranthene | ND | | ug/kg | 98 | 19. |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 160 | 18. |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 160 | 25. |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 200 | 28. |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 180 | 16. |
| Hexachlorobutadiene | ND | | ug/kg | 160 | 24. |
| Hexachlorocyclopentadiene | ND | | ug/kg | 470 | 150 |
| Hexachloroethane | ND | | ug/kg | 130 | 26. |
| Isophorone | ND | | ug/kg | 150 | 21. |
| Naphthalene | ND | | ug/kg | 160 | 20. |
| Nitrobenzene | ND | | ug/kg | 150 | 24. |
| NDPA/DPA | ND | | ug/kg | 130 | 19. |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 160 | 25. |
| Bis(2-ethylhexyl)phthalate | ND | | ug/kg | 160 | 57. |
| Butyl benzyl phthalate | ND | | ug/kg | 160 | 41. |
| Di-n-butylphthalate | ND | | ug/kg | 160 | 31. |
| Di-n-octylphthalate | ND | | ug/kg | 160 | 56. |
| Diethyl phthalate | ND | | ug/kg | 160 | 15. |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/23/19 21:06
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 03/23/19 05:44

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG1218787-1 | | | | | |
| Dimethyl phthalate | ND | | ug/kg | 160 | 34. |
| Benzo(a)anthracene | ND | | ug/kg | 98 | 18. |
| Benzo(a)pyrene | ND | | ug/kg | 130 | 40. |
| Benzo(b)fluoranthene | ND | | ug/kg | 98 | 28. |
| Benzo(k)fluoranthene | ND | | ug/kg | 98 | 26. |
| Chrysene | ND | | ug/kg | 98 | 17. |
| Acenaphthylene | ND | | ug/kg | 130 | 25. |
| Anthracene | ND | | ug/kg | 98 | 32. |
| Benzo(ghi)perylene | ND | | ug/kg | 130 | 19. |
| Fluorene | ND | | ug/kg | 160 | 16. |
| Phenanthrene | ND | | ug/kg | 98 | 20. |
| Dibenzo(a,h)anthracene | ND | | ug/kg | 98 | 19. |
| Indeno(1,2,3-cd)pyrene | ND | | ug/kg | 130 | 23. |
| Pyrene | ND | | ug/kg | 98 | 16. |
| Biphenyl | ND | | ug/kg | 370 | 38. |
| 4-Chloroaniline | ND | | ug/kg | 160 | 30. |
| 2-Nitroaniline | ND | | ug/kg | 160 | 32. |
| 3-Nitroaniline | ND | | ug/kg | 160 | 31. |
| 4-Nitroaniline | ND | | ug/kg | 160 | 68. |
| Dibenzofuran | ND | | ug/kg | 160 | 16. |
| 2-Methylnaphthalene | ND | | ug/kg | 200 | 20. |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 160 | 17. |
| Acetophenone | ND | | ug/kg | 160 | 20. |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 98 | 31. |
| p-Chloro-m-cresol | ND | | ug/kg | 160 | 24. |
| 2-Chlorophenol | ND | | ug/kg | 160 | 19. |
| 2,4-Dichlorophenol | ND | | ug/kg | 150 | 26. |
| 2,4-Dimethylphenol | ND | | ug/kg | 160 | 54. |
| 2-Nitrophenol | ND | | ug/kg | 350 | 62. |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/23/19 21:06
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 03/23/19 05:44

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG1218787-1 | | | | | |
| 4-Nitrophenol | ND | | ug/kg | 230 | 67. |
| 2,4-Dinitrophenol | ND | | ug/kg | 790 | 76. |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 430 | 79. |
| Pentachlorophenol | ND | | ug/kg | 130 | 36. |
| Phenol | ND | | ug/kg | 160 | 25. |
| 2-Methylphenol | ND | | ug/kg | 160 | 25. |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 240 | 26. |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 160 | 31. |
| Benzoic Acid | ND | | ug/kg | 530 | 160 |
| Benzyl Alcohol | ND | | ug/kg | 160 | 50. |
| Carbazole | ND | | ug/kg | 160 | 16. |
| Tentatively Identified Compounds | | | | | |
| No Tentatively Identified Compounds | ND | | ug/kg | | |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 89 | | 25-120 |
| Phenol-d6 | 87 | | 10-120 |
| Nitrobenzene-d5 | 88 | | 23-120 |
| 2-Fluorobiphenyl | 80 | | 30-120 |
| 2,4,6-Tribromophenol | 105 | | 10-136 |
| 4-Terphenyl-d14 | 80 | | 18-120 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/25/19 20:34
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 03/25/19 07:38

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 09-11 Batch: WG1219094-1 | | | | | |
| Acenaphthene | ND | | ug/l | 2.0 | 0.44 |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 5.0 | 0.50 |
| Hexachlorobenzene | ND | | ug/l | 2.0 | 0.46 |
| Bis(2-chloroethyl)ether | ND | | ug/l | 2.0 | 0.50 |
| 2-Chloronaphthalene | ND | | ug/l | 2.0 | 0.44 |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.0 | 0.45 |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.0 | 0.40 |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.0 | 0.43 |
| 3,3'-Dichlorobenzidine | ND | | ug/l | 5.0 | 1.6 |
| 2,4-Dinitrotoluene | ND | | ug/l | 5.0 | 1.2 |
| 2,6-Dinitrotoluene | ND | | ug/l | 5.0 | 0.93 |
| Fluoranthene | ND | | ug/l | 2.0 | 0.26 |
| 4-Chlorophenyl phenyl ether | ND | | ug/l | 2.0 | 0.49 |
| 4-Bromophenyl phenyl ether | ND | | ug/l | 2.0 | 0.38 |
| Bis(2-chloroisopropyl)ether | ND | | ug/l | 2.0 | 0.53 |
| Bis(2-chloroethoxy)methane | ND | | ug/l | 5.0 | 0.50 |
| Hexachlorobutadiene | ND | | ug/l | 2.0 | 0.66 |
| Hexachlorocyclopentadiene | ND | | ug/l | 20 | 0.69 |
| Hexachloroethane | ND | | ug/l | 2.0 | 0.58 |
| Isophorone | ND | | ug/l | 5.0 | 1.2 |
| Naphthalene | ND | | ug/l | 2.0 | 0.46 |
| Nitrobenzene | ND | | ug/l | 2.0 | 0.77 |
| NDPA/DPA | ND | | ug/l | 2.0 | 0.42 |
| n-Nitrosodi-n-propylamine | ND | | ug/l | 5.0 | 0.64 |
| Bis(2-ethylhexyl)phthalate | ND | | ug/l | 3.0 | 1.5 |
| Butyl benzyl phthalate | ND | | ug/l | 5.0 | 1.2 |
| Di-n-butylphthalate | ND | | ug/l | 5.0 | 0.39 |
| Di-n-octylphthalate | ND | | ug/l | 5.0 | 1.3 |
| Diethyl phthalate | ND | | ug/l | 5.0 | 0.38 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/25/19 20:34
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 03/25/19 07:38

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 09-11 Batch: WG1219094-1 | | | | | |
| Dimethyl phthalate | ND | | ug/l | 5.0 | 1.8 |
| Benzo(a)anthracene | ND | | ug/l | 2.0 | 0.32 |
| Benzo(a)pyrene | ND | | ug/l | 2.0 | 0.41 |
| Benzo(b)fluoranthene | ND | | ug/l | 2.0 | 0.35 |
| Benzo(k)fluoranthene | ND | | ug/l | 2.0 | 0.37 |
| Chrysene | ND | | ug/l | 2.0 | 0.34 |
| Acenaphthylene | ND | | ug/l | 2.0 | 0.46 |
| Anthracene | ND | | ug/l | 2.0 | 0.33 |
| Benzo(ghi)perylene | ND | | ug/l | 2.0 | 0.30 |
| Fluorene | ND | | ug/l | 2.0 | 0.41 |
| Phenanthrene | ND | | ug/l | 2.0 | 0.33 |
| Dibenzo(a,h)anthracene | ND | | ug/l | 2.0 | 0.32 |
| Indeno(1,2,3-cd)pyrene | ND | | ug/l | 2.0 | 0.40 |
| Pyrene | ND | | ug/l | 2.0 | 0.28 |
| Biphenyl | ND | | ug/l | 2.0 | 0.46 |
| 4-Chloroaniline | ND | | ug/l | 5.0 | 1.1 |
| 2-Nitroaniline | ND | | ug/l | 5.0 | 0.50 |
| 3-Nitroaniline | ND | | ug/l | 5.0 | 0.81 |
| 4-Nitroaniline | ND | | ug/l | 5.0 | 0.80 |
| Dibenzofuran | ND | | ug/l | 2.0 | 0.50 |
| 2-Methylnaphthalene | ND | | ug/l | 2.0 | 0.45 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/l | 10 | 0.44 |
| Acetophenone | ND | | ug/l | 5.0 | 0.53 |
| 2,4,6-Trichlorophenol | ND | | ug/l | 5.0 | 0.61 |
| p-Chloro-m-cresol | ND | | ug/l | 2.0 | 0.35 |
| 2-Chlorophenol | ND | | ug/l | 2.0 | 0.48 |
| 2,4-Dichlorophenol | ND | | ug/l | 5.0 | 0.41 |
| 2,4-Dimethylphenol | ND | | ug/l | 5.0 | 1.8 |
| 2-Nitrophenol | ND | | ug/l | 10 | 0.85 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/25/19 20:34
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 03/25/19 07:38

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 09-11 Batch: WG1219094-1 | | | | | |
| 4-Nitrophenol | ND | | ug/l | 10 | 0.67 |
| 2,4-Dinitrophenol | ND | | ug/l | 20 | 6.6 |
| 4,6-Dinitro-o-cresol | ND | | ug/l | 10 | 1.8 |
| Pentachlorophenol | ND | | ug/l | 10 | 1.8 |
| Phenol | ND | | ug/l | 5.0 | 0.57 |
| 2-Methylphenol | ND | | ug/l | 5.0 | 0.49 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/l | 5.0 | 0.48 |
| 2,4,5-Trichlorophenol | ND | | ug/l | 5.0 | 0.77 |
| Benzoic Acid | ND | | ug/l | 50 | 2.6 |
| Benzyl Alcohol | ND | | ug/l | 2.0 | 0.59 |
| Carbazole | ND | | ug/l | 2.0 | 0.49 |

| Tentatively Identified Compounds | | | |
|---|---|---|---|
| Total TIC Compounds | 37.3 | J | ug/l |
| Unknown | 2.36 | J | ug/l |
| Unknown Siloxane | 4.00 | J | ug/l |
| Unknown | 1.71 | J | ug/l |
| Aldol Condensates | 29.2 | J | ug/l |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/25/19 20:34
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 03/25/19 07:38

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 09-11 Batch: WG1219094-1 | | | | | |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 59 | | 21-120 |
| Phenol-d6 | 47 | | 10-120 |
| Nitrobenzene-d5 | 69 | | 23-120 |
| 2-Fluorobiphenyl | 76 | | 15-120 |
| 2,4,6-Tribromophenol | 89 | | 10-120 |
| 4-Terphenyl-d14 | 117 | | 41-149 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 03/27/19 11:43
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 03/25/19 07:32

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 09-11 Batch: WG1220622-1 | | | | | |
| Acenaphthene | ND | | ug/l | 0.10 | 0.01 |
| 2-Chloronaphthalene | ND | | ug/l | 0.20 | 0.02 |
| Fluoranthene | ND | | ug/l | 0.10 | 0.02 |
| Hexachlorobutadiene | ND | | ug/l | 0.50 | 0.05 |
| Naphthalene | ND | | ug/l | 0.10 | 0.05 |
| Benzo(a)anthracene | ND | | ug/l | 0.10 | 0.02 |
| Benzo(a)pyrene | ND | | ug/l | 0.10 | 0.02 |
| Benzo(b)fluoranthene | ND | | ug/l | 0.10 | 0.01 |
| Benzo(k)fluoranthene | ND | | ug/l | 0.10 | 0.01 |
| Chrysene | ND | | ug/l | 0.10 | 0.01 |
| Acenaphthylene | ND | | ug/l | 0.10 | 0.01 |
| Anthracene | 0.01 | J | ug/l | 0.10 | 0.01 |
| Benzo(ghi)perylene | ND | | ug/l | 0.10 | 0.01 |
| Fluorene | ND | | ug/l | 0.10 | 0.01 |
| Phenanthrene | 0.03 | J | ug/l | 0.10 | 0.02 |
| Dibenzo(a,h)anthracene | ND | | ug/l | 0.10 | 0.01 |
| Indeno(1,2,3-cd)pyrene | ND | | ug/l | 0.10 | 0.01 |
| Pyrene | ND | | ug/l | 0.10 | 0.02 |
| 2-Methylnaphthalene | ND | | ug/l | 0.10 | 0.02 |
| Pentachlorophenol | ND | | ug/l | 0.80 | 0.01 |
| Hexachlorobenzene | ND | | ug/l | 0.80 | 0.01 |
| Hexachloroethane | ND | | ug/l | 0.80 | 0.06 |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 03/27/19 11:43
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 03/25/19 07:32

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 09-11 Batch: WG1220622-1 | | | | | |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 47 | | 21-120 |
| Phenol-d6 | 42 | | 10-120 |
| Nitrobenzene-d5 | 77 | | 23-120 |
| 2-Fluorobiphenyl | 86 | | 15-120 |
| 2,4,6-Tribromophenol | 80 | | 10-120 |
| 4-Terphenyl-d14 | 121 | | 41-149 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** G6-2423
**Project Number:** G6-2423

**Lab Number:** L1911169
**Report Date:** 03/29/19

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1218787-2 WG1218787-3 | | | | | | | | |
| Acenaphthene | 90 | | 84 | | 31-137 | 7 | | 50 |
| 1,2,4-Trichlorobenzene | 78 | | 75 | | 38-107 | 4 | | 50 |
| Hexachlorobenzene | 95 | | 86 | | 40-140 | 10 | | 50 |
| Bis(2-chloroethyl)ether | 89 | | 84 | | 40-140 | 6 | | 50 |
| 2-Chloronaphthalene | 86 | | 80 | | 40-140 | 7 | | 50 |
| 1,2-Dichlorobenzene | 80 | | 75 | | 40-140 | 6 | | 50 |
| 1,3-Dichlorobenzene | 78 | | 75 | | 40-140 | 4 | | 50 |
| 1,4-Dichlorobenzene | 80 | | 74 | | 28-104 | 8 | | 50 |
| 3,3'-Dichlorobenzidine | 65 | | 65 | | 40-140 | 0 | | 50 |
| 2,4-Dinitrotoluene | 104 | | 96 | | 40-132 | 8 | | 50 |
| 2,6-Dinitrotoluene | 96 | | 91 | | 40-140 | 5 | | 50 |
| Fluoranthene | 85 | | 81 | | 40-140 | 5 | | 50 |
| 4-Chlorophenyl phenyl ether | 83 | | 76 | | 40-140 | 9 | | 50 |
| 4-Bromophenyl phenyl ether | 88 | | 80 | | 40-140 | 10 | | 50 |
| Bis(2-chloroisopropyl)ether | 104 | | 98 | | 40-140 | 6 | | 50 |
| Bis(2-chloroethoxy)methane | 92 | | 86 | | 40-117 | 7 | | 50 |
| Hexachlorobutadiene | 74 | | 70 | | 40-140 | 6 | | 50 |
| Hexachlorocyclopentadiene | 58 | | 51 | | 40-140 | 13 | | 50 |
| Hexachloroethane | 93 | | 87 | | 40-140 | 7 | | 50 |
| Isophorone | 94 | | 92 | | 40-140 | 2 | | 50 |
| Naphthalene | 83 | | 77 | | 40-140 | 8 | | 50 |
| Nitrobenzene | 94 | | 90 | | 40-140 | 4 | | 50 |
| NDPA/DPA | 94 | | 87 | | 36-157 | 8 | | 50 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** G6-2423
**Project Number:** G6-2423

**Lab Number:** L1911169
**Report Date:** 03/29/19

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1218787-2 WG1218787-3 | | | | | | | | |
| n-Nitrosodi-n-propylamine | 94 | | 91 | | 32-121 | 3 | | 50 |
| Bis(2-ethylhexyl)phthalate | 107 | | 104 | | 40-140 | 3 | | 50 |
| Butyl benzyl phthalate | 95 | | 91 | | 40-140 | 4 | | 50 |
| Di-n-butylphthalate | 104 | | 100 | | 40-140 | 4 | | 50 |
| Di-n-octylphthalate | 125 | | 120 | | 40-140 | 4 | | 50 |
| Diethyl phthalate | 103 | | 95 | | 40-140 | 8 | | 50 |
| Dimethyl phthalate | 87 | | 84 | | 40-140 | 4 | | 50 |
| Benzo(a)anthracene | 88 | | 86 | | 40-140 | 2 | | 50 |
| Benzo(a)pyrene | 95 | | 93 | | 40-140 | 2 | | 50 |
| Benzo(b)fluoranthene | 98 | | 88 | | 40-140 | 11 | | 50 |
| Benzo(k)fluoranthene | 89 | | 94 | | 40-140 | 5 | | 50 |
| Chrysene | 90 | | 87 | | 40-140 | 3 | | 50 |
| Acenaphthylene | 84 | | 83 | | 40-140 | 1 | | 50 |
| Anthracene | 88 | | 82 | | 40-140 | 7 | | 50 |
| Benzo(ghi)perylene | 82 | | 81 | | 40-140 | 1 | | 50 |
| Fluorene | 91 | | 84 | | 40-140 | 8 | | 50 |
| Phenanthrene | 83 | | 78 | | 40-140 | 6 | | 50 |
| Dibenzo(a,h)anthracene | 81 | | 80 | | 40-140 | 1 | | 50 |
| Indeno(1,2,3-cd)pyrene | 83 | | 83 | | 40-140 | 0 | | 50 |
| Pyrene | 85 | | 82 | | 35-142 | 4 | | 50 |
| Biphenyl | 89 | | 83 | | 54-104 | 7 | | 50 |
| 4-Chloroaniline | 82 | | 81 | | 40-140 | 1 | | 50 |
| 2-Nitroaniline | 101 | | 97 | | 47-134 | 4 | | 50 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** G6-2423
**Project Number:** G6-2423

**Lab Number:** L1911169
**Report Date:** 03/29/19

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1218787-2 WG1218787-3 | | | | | | | | |
| 3-Nitroaniline | 93 | | 90 | | 26-129 | 3 | | 50 |
| 4-Nitroaniline | 98 | | 92 | | 41-125 | 6 | | 50 |
| Dibenzofuran | 91 | | 84 | | 40-140 | 8 | | 50 |
| 2-Methylnaphthalene | 84 | | 80 | | 40-140 | 5 | | 50 |
| 1,2,4,5-Tetrachlorobenzene | 85 | | 80 | | 40-117 | 6 | | 50 |
| Acetophenone | 93 | | 90 | | 14-144 | 3 | | 50 |
| 2,4,6-Trichlorophenol | 93 | | 86 | | 30-130 | 8 | | 50 |
| p-Chloro-m-cresol | 102 | | 100 | | 26-103 | 2 | | 50 |
| 2-Chlorophenol | 94 | | 88 | | 25-102 | 7 | | 50 |
| 2,4-Dichlorophenol | 96 | | 94 | | 30-130 | 2 | | 50 |
| 2,4-Dimethylphenol | 101 | | 95 | | 30-130 | 6 | | 50 |
| 2-Nitrophenol | 104 | | 98 | | 30-130 | 6 | | 50 |
| 4-Nitrophenol | **116** | Q | 106 | | 11-114 | 9 | | 50 |
| 2,4-Dinitrophenol | 92 | | 85 | | 4-130 | 8 | | 50 |
| 4,6-Dinitro-o-cresol | 94 | | 88 | | 10-130 | 7 | | 50 |
| Pentachlorophenol | 81 | | 69 | | 17-109 | 16 | | 50 |
| Phenol | 90 | | 85 | | 26-90 | 6 | | 50 |
| 2-Methylphenol | 96 | | 93 | | 30-130. | 3 | | 50 |
| 3-Methylphenol/4-Methylphenol | 105 | | 102 | | 30-130 | 3 | | 50 |
| 2,4,5-Trichlorophenol | 97 | | 90 | | 30-130 | 7 | | 50 |
| Benzoic Acid | 71 | | 58 | | 10-110 | 20 | | 50 |
| Benzyl Alcohol | 100 | | 96 | | 40-140 | 4 | | 50 |
| Carbazole | 89 | | 86 | | 54-128 | 3 | | 50 |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** G6-2423
**Project Number:** G6-2423

**Lab Number:** L1911169
**Report Date:** 03/29/19

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1218787-2 WG1218787-3 | | | | | | | | |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2-Fluorophenol | 87 | | 82 | | 25-120 |
| Phenol-d6 | 84 | | 80 | | 10-120 |
| Nitrobenzene-d5 | 88 | | 85 | | 23-120 |
| 2-Fluorobiphenyl | 75 | | 72 | | 30-120 |
| 2,4,6-Tribromophenol | 103 | | 92 | | 10-136 |
| 4-Terphenyl-d14 | 74 | | 69 | | 18-120 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** G6-2423
**Project Number:** G6-2423

**Lab Number:** L1911169
**Report Date:** 03/29/19

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 09-11 Batch: WG1219094-2 WG1219094-3 | | | | | | | | |
| Acenaphthene | 75 | | 102 | | 37-111 | 21 | | 30 |
| 1,2,4-Trichlorobenzene | 67 | | **100** | Q | 39-98 | **33** | Q | 30 |
| Hexachlorobenzene | 84 | | 113 | | 40-140 | 20 | | 30 |
| Bis(2-chloroethyl)ether | 69 | | 102 | | 40-140 | 25 | | 30 |
| 2-Chloronaphthalene | 75 | | 106 | | 40-140 | 20 | | 30 |
| 1,2-Dichlorobenzene | 65 | | 99 | | 40-140 | **36** | Q | 30 |
| 1,3-Dichlorobenzene | 60 | | 93 | | 40-140 | **35** | Q | 30 |
| 1,4-Dichlorobenzene | 60 | | 94 | | 36-97 | **32** | Q | 30 |
| 3,3'-Dichlorobenzidine | 66 | | 84 | | 40-140 | 5 | | 30 |
| 2,4-Dinitrotoluene | 88 | | 123 | | 48-143 | **33** | Q | 30 |
| 2,6-Dinitrotoluene | 90 | | 127 | | 40-140 | 23 | | 30 |
| Fluoranthene | 95 | | 126 | | 40-140 | 25 | | 30 |
| 4-Chlorophenyl phenyl ether | 80 | | 106 | | 40-140 | 15 | | 30 |
| 4-Bromophenyl phenyl ether | 83 | | 111 | | 40-140 | 12 | | 30 |
| Bis(2-chloroisopropyl)ether | 70 | | 104 | | 40-140 | **32** | Q | 30 |
| Bis(2-chloroethoxy)methane | 76 | | 110 | | 40-140 | 27 | | 30 |
| Hexachlorobutadiene | 60 | | 90 | | 40-140 | 18 | | 30 |
| Hexachlorocyclopentadiene | 51 | | 78 | | 40-140 | 9 | | 30 |
| Hexachloroethane | 57 | | 92 | | 40-140 | **31** | Q | 30 |
| Isophorone | 81 | | 124 | | 40-140 | **36** | Q | 30 |
| Naphthalene | 70 | | 106 | | 40-140 | 30 | | 30 |
| Nitrobenzene | 72 | | 112 | | 40-140 | 30 | | 30 |
| NDPA/DPA | 93 | | 122 | | 40-140 | 23 | | 30 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** G6-2423
**Project Number:** G6-2423

**Lab Number:** L1911169
**Report Date:** 03/29/19

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 09-11 Batch: WG1219094-2 WG1219094-3 | | | | | | | | |
| n-Nitrosodi-n-propylamine | 84 | | 123 | | 29-132 | **32** | Q | 30 |
| Bis(2-ethylhexyl)phthalate | 75 | | 109 | | 40-140 | 2 | | 30 |
| Butyl benzyl phthalate | 101 | | 122 | | 40-140 | 21 | | 30 |
| Di-n-butylphthalate | 84 | | 112 | | 40-140 | 11 | | 30 |
| Di-n-octylphthalate | 83 | | 102 | | 40-140 | 5 | | 30 |
| Diethyl phthalate | 95 | | 128 | | 40-140 | 26 | | 30 |
| Dimethyl phthalate | 90 | | 122 | | 40-140 | 20 | | 30 |
| Benzo(a)anthracene | 91 | | 119 | | 40-140 | 16 | | 30 |
| Benzo(a)pyrene | 106 | | **141** | Q | 40-140 | **32** | Q | 30 |
| Benzo(b)fluoranthene | 98 | | 132 | | 40-140 | 30 | | 30 |
| Benzo(k)fluoranthene | 100 | | 133 | | 40-140 | 25 | | 30 |
| Chrysene | 84 | | 109 | | 40-140 | 15 | | 30 |
| Acenaphthylene | 84 | | 120 | | 45-123 | 29 | | 30 |
| Anthracene | 85 | | 114 | | 40-140 | 20 | | 30 |
| Benzo(ghi)perylene | 87 | | 118 | | 40-140 | 23 | | 30 |
| Fluorene | 84 | | 113 | | 40-140 | 20 | | 30 |
| Phenanthrene | 81 | | 106 | | 40-140 | 15 | | 30 |
| Dibenzo(a,h)anthracene | 88 | | 117 | | 40-140 | 24 | | 30 |
| Indeno(1,2,3-cd)pyrene | 91 | | 123 | | 40-140 | 26 | | 30 |
| Pyrene | 96 | | 124 | | 26-127 | 25 | | 30 |
| Biphenyl | 78 | | 112 | | 40-140 | 20 | | 30 |
| 4-Chloroaniline | 68 | | 77 | | 40-140 | 15 | | 30 |
| 2-Nitroaniline | 80 | | 114 | | 52-143 | 18 | | 30 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** G6-2423
**Project Number:** G6-2423

**Lab Number:** L1911169
**Report Date:** 03/29/19

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 09-11 Batch: WG1219094-2 WG1219094-3 | | | | | | | | |
| 3-Nitroaniline | 77 | | 97 | | 25-145 | 17 | | 30 |
| 4-Nitroaniline | 90 | | 115 | | 51-143 | 23 | | 30 |
| Dibenzofuran | 78 | | 107 | | 40-140 | 21 | | 30 |
| 2-Methylnaphthalene | 74 | | 106 | | 40-140 | 23 | | 30 |
| 1,2,4,5-Tetrachlorobenzene | 69 | | 103 | | 2-134 | 24 | | 30 |
| Acetophenone | 83 | | 124 | | 39-129 | **37** | Q | 30 |
| 2,4,6-Trichlorophenol | 81 | | 112 | | 30-130 | 11 | | 30 |
| p-Chloro-m-cresol | 86 | | **125** | Q | 23-97 | 22 | | 30 |
| 2-Chlorophenol | 71 | | 104 | | 27-123 | 24 | | 30 |
| 2,4-Dichlorophenol | 76 | | 111 | | 30-130 | 18 | | 30 |
| 2,4-Dimethylphenol | 60 | | 76 | | 30-130 | 10 | | 30 |
| 2-Nitrophenol | 60 | | 101 | | 30-130 | 18 | | 30 |
| 4-Nitrophenol | **84** | Q | **115** | Q | 10-80 | 18 | | 30 |
| 2,4-Dinitrophenol | 46 | | 82 | | 20-130 | 2 | | 30 |
| 4,6-Dinitro-o-cresol | 61 | | 94 | | 20-164 | 7 | | 30 |
| Pentachlorophenol | 80 | | **110** | Q | 9-103 | 8 | | 30 |
| Phenol | 62 | | 86 | | 12-110 | 25 | | 30 |
| 2-Methylphenol | 72 | | 102 | | 30-130 | 21 | | 30 |
| 3-Methylphenol/4-Methylphenol | 74 | | 106 | | 30-130 | 19 | | 30 |
| 2,4,5-Trichlorophenol | 84 | | 120 | | 30-130 | 20 | | 30 |
| Benzoic Acid | **0** | Q | 44 | | 10-164 | NC | | 30 |
| Benzyl Alcohol | 71 | | 109 | | 26-116 | **32** | Q | 30 |
| Carbazole | 96 | | 126 | | 55-144 | 24 | | 30 |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** G6-2423
**Project Number:** G6-2423

**Lab Number:** L1911169
**Report Date:** 03/29/19

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 09-11 Batch: WG1219094-2 WG1219094-3 | | | | | | | | |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2-Fluorophenol | 57 | | 89 | | 21-120 |
| Phenol-d6 | 54 | | 78 | | 10-120 |
| Nitrobenzene-d5 | 72 | | 109 | | 23-120 |
| 2-Fluorobiphenyl | 76 | | 104 | | 15-120 |
| 2,4,6-Tribromophenol | 82 | | 108 | | 10-120 |
| 4-Terphenyl-d14 | 95 | | 114 | | 41-149 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** G6-2423
**Project Number:** G6-2423

**Lab Number:** L1911169
**Report Date:** 03/29/19

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 09-11 Batch: WG1220622-2 WG1220622-3 | | | | | | | | |
| Acenaphthene | 116 | | 112 | | 40-140 | 4 | | 40 |
| 2-Chloronaphthalene | 110 | | 103 | | 40-140 | 7 | | 40 |
| Fluoranthene | 123 | | 118 | | 40-140 | 4 | | 40 |
| Hexachlorobutadiene | 107 | | 99 | | 40-140 | 8 | | 40 |
| Naphthalene | 105 | | 98 | | 40-140 | 7 | | 40 |
| Benzo(a)anthracene | 131 | | 126 | | 40-140 | 4 | | 40 |
| Benzo(a)pyrene | 117 | | 113 | | 40-140 | 3 | | 40 |
| Benzo(b)fluoranthene | 118 | | 116 | | 40-140 | 2 | | 40 |
| Benzo(k)fluoranthene | 123 | | 115 | | 40-140 | 7 | | 40 |
| Chrysene | 132 | | 129 | | 40-140 | 2 | | 40 |
| Acenaphthylene | 114 | | 107 | | 40-140 | 6 | | 40 |
| Anthracene | 120 | | 118 | | 40-140 | 2 | | 40 |
| Benzo(ghi)perylene | 118 | | 113 | | 40-140 | 4 | | 40 |
| Fluorene | 124 | | 121 | | 40-140 | 2 | | 40 |
| Phenanthrene | 117 | | 113 | | 40-140 | 3 | | 40 |
| Dibenzo(a,h)anthracene | 123 | | 119 | | 40-140 | 3 | | 40 |
| Indeno(1,2,3-cd)pyrene | 123 | | 119 | | 40-140 | 3 | | 40 |
| Pyrene | 123 | | 118 | | 40-140 | 4 | | 40 |
| 2-Methylnaphthalene | 108 | | 101 | | 40-140 | 7 | | 40 |
| Pentachlorophenol | 115 | | 116 | | 40-140 | 1 | | 40 |
| Hexachlorobenzene | 118 | | 115 | | 40-140 | 3 | | 40 |
| Hexachloroethane | 96 | | 89 | | 40-140 | 8 | | 40 |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** G6-2423
**Project Number:** G6-2423

**Lab Number:** L1911169
**Report Date:** 03/29/19

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 09-11 Batch: WG1220622-2 WG1220622-3 | | | | | | | | |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2-Fluorophenol | 80 | | 75 | | 21-120 |
| Phenol-d6 | 66 | | 61 | | 10-120 |
| Nitrobenzene-d5 | 107 | | 99 | | 23-120 |
| 2-Fluorobiphenyl | 100 | | 93 | | 15-120 |
| 2,4,6-Tribromophenol | 112 | | 116 | | 10-120 |
| 4-Terphenyl-d14 | 108 | | 104 | | 41-149 |

# PCBS

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-01
Client ID: S-1
Sample Location: NY

Date Collected: 03/20/19 09:10
Date Received: 03/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/27/19 17:54
Analyst: WR
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 03/24/19 01:13
Cleanup Method: EPA 3665A
Cleanup Date: 03/24/19
Cleanup Method: EPA 3660B
Cleanup Date: 03/25/19

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Polychlorinated Biphenyls by GC - Westborough Lab** | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 38.9 | 3.45 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 38.9 | 3.90 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 38.9 | 8.24 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 38.9 | 5.24 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 38.9 | 5.83 | 1 | A |
| Aroclor 1254 | ND | | ug/kg | 38.9 | 4.25 | 1 | A |
| Aroclor 1260 | ND | | ug/kg | 38.9 | 7.18 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 38.9 | 4.94 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 38.9 | 4.03 | 1 | A |
| PCBs, Total | ND | | ug/kg | 38.9 | 3.45 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 38 | | 30-150 | A |
| Decachlorobiphenyl | 35 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 37 | | 30-150 | B |
| Decachlorobiphenyl | 45 | | 30-150 | B |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-02
Client ID: S-2
Sample Location: NY

Date Collected: 03/20/19 09:45
Date Received: 03/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/27/19 18:09
Analyst: WR
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 03/24/19 01:13
Cleanup Method: EPA 3665A
Cleanup Date: 03/24/19
Cleanup Method: EPA 3660B
Cleanup Date: 03/25/19

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Polychlorinated Biphenyls by GC - Westborough Lab** | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 37.2 | 3.31 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 37.2 | 3.73 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 37.2 | 7.89 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 37.2 | 5.02 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 37.2 | 5.58 | 1 | A |
| Aroclor 1254 | ND | | ug/kg | 37.2 | 4.07 | 1 | A |
| Aroclor 1260 | ND | | ug/kg | 37.2 | 6.88 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 37.2 | 4.73 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 37.2 | 3.86 | 1 | A |
| PCBs, Total | ND | | ug/kg | 37.2 | 3.31 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 49 | | 30-150 | A |
| Decachlorobiphenyl | 48 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 51 | | 30-150 | B |
| Decachlorobiphenyl | 61 | | 30-150 | B |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-03
Client ID: S-3
Sample Location: NY

Date Collected: 03/20/19 10:05
Date Received: 03/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/27/19 18:23
Analyst: WR
Percent Solids: 74%

Extraction Method: EPA 3546
Extraction Date: 03/24/19 01:13
Cleanup Method: EPA 3665A
Cleanup Date: 03/24/19
Cleanup Method: EPA 3660B
Cleanup Date: 03/25/19

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Polychlorinated Biphenyls by GC - Westborough Lab** | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 44.1 | 3.92 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 44.1 | 4.42 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 44.1 | 9.35 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 44.1 | 5.95 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 44.1 | 6.62 | 1 | A |
| Aroclor 1254 | ND | | ug/kg | 44.1 | 4.83 | 1 | A |
| Aroclor 1260 | ND | | ug/kg | 44.1 | 8.15 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 44.1 | 5.60 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 44.1 | 4.57 | 1 | A |
| PCBs, Total | ND | | ug/kg | 44.1 | 3.92 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 39 | | 30-150 | A |
| Decachlorobiphenyl | 35 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 38 | | 30-150 | B |
| Decachlorobiphenyl | 45 | | 30-150 | B |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-04
Client ID: S-4
Sample Location: NY

Date Collected: 03/20/19 11:00
Date Received: 03/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/27/19 18:38
Analyst: WR
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 03/24/19 01:13
Cleanup Method: EPA 3665A
Cleanup Date: 03/24/19
Cleanup Method: EPA 3660B
Cleanup Date: 03/25/19

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Polychlorinated Biphenyls by GC - Westborough Lab** | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 39.7 | 3.52 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 39.7 | 3.97 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 39.7 | 8.41 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 39.7 | 5.35 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 39.7 | 5.95 | 1 | A |
| Aroclor 1254 | ND | | ug/kg | 39.7 | 4.34 | 1 | A |
| Aroclor 1260 | ND | | ug/kg | 39.7 | 7.33 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 39.7 | 5.04 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 39.7 | 4.11 | 1 | A |
| PCBs, Total | ND | | ug/kg | 39.7 | 3.52 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 40 | | 30-150 | A |
| Decachlorobiphenyl | 40 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 40 | | 30-150 | B |
| Decachlorobiphenyl | 49 | | 30-150 | B |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-05
Client ID: S-5
Sample Location: NY

Date Collected: 03/20/19 11:20
Date Received: 03/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/29/19 01:53
Analyst: HT
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 03/28/19 09:42
Cleanup Method: EPA 3665A
Cleanup Date: 03/28/19
Cleanup Method: EPA 3660B
Cleanup Date: 03/28/19

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Polychlorinated Biphenyls by GC - Westborough Lab** | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 39.8 | 3.54 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 39.8 | 3.99 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 39.8 | 8.45 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 39.8 | 5.37 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 39.8 | 5.98 | 1 | A |
| Aroclor 1254 | ND | | ug/kg | 39.8 | 4.36 | 1 | A |
| Aroclor 1260 | 17.0 | J | ug/kg | 39.8 | 7.36 | 1 | B |
| Aroclor 1262 | ND | | ug/kg | 39.8 | 5.06 | 1 | A |
| Aroclor 1268 | 10.6 | JP | ug/kg | 39.8 | 4.13 | 1 | A |
| PCBs, Total | 27.6 | J | ug/kg | 39.8 | 3.54 | 1 | B |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 30-150 | A |
| Decachlorobiphenyl | 83 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 82 | | 30-150 | B |
| Decachlorobiphenyl | 105 | | 30-150 | B |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-06
Client ID: S-6
Sample Location: NY

Date Collected: 03/20/19 11:30
Date Received: 03/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/29/19 02:06
Analyst: HT
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 03/28/19 09:42
Cleanup Method: EPA 3665A
Cleanup Date: 03/28/19
Cleanup Method: EPA 3660B
Cleanup Date: 03/28/19

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Polychlorinated Biphenyls by GC - Westborough Lab** | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 38.3 | 3.40 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 38.3 | 3.84 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 38.3 | 8.12 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 38.3 | 5.17 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 38.3 | 5.75 | 1 | A |
| Aroclor 1254 | ND | | ug/kg | 38.3 | 4.19 | 1 | A |
| Aroclor 1260 | ND | | ug/kg | 38.3 | 7.08 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 38.3 | 4.87 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 38.3 | 3.97 | 1 | A |
| PCBs, Total | ND | | ug/kg | 38.3 | 3.40 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 86 | | 30-150 | A |
| Decachlorobiphenyl | 76 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 91 | | 30-150 | B |
| Decachlorobiphenyl | 90 | | 30-150 | B |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-07
Client ID: S-7
Sample Location: NY

Date Collected: 03/20/19 11:50
Date Received: 03/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/27/19 19:23
Analyst: WR
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 03/24/19 01:13
Cleanup Method: EPA 3665A
Cleanup Date: 03/24/19
Cleanup Method: EPA 3660B
Cleanup Date: 03/25/19

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Polychlorinated Biphenyls by GC - Westborough Lab** | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.5 | 3.15 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 35.5 | 3.56 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 35.5 | 7.53 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 35.5 | 4.79 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 35.5 | 5.33 | 1 | A |
| Aroclor 1254 | ND | | ug/kg | 35.5 | 3.88 | 1 | A |
| Aroclor 1260 | ND | | ug/kg | 35.5 | 6.56 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 35.5 | 4.51 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 35.5 | 3.68 | 1 | A |
| PCBs, Total | ND | | ug/kg | 35.5 | 3.15 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 39 | | 30-150 | A |
| Decachlorobiphenyl | 45 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 39 | | 30-150 | B |
| Decachlorobiphenyl | 58 | | 30-150 | B |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-08
Client ID: S-8
Sample Location: NY

Date Collected: 03/20/19 12:05
Date Received: 03/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/27/19 19:38
Analyst: WR
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 03/24/19 01:13
Cleanup Method: EPA 3665A
Cleanup Date: 03/24/19
Cleanup Method: EPA 3660B
Cleanup Date: 03/25/19

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Polychlorinated Biphenyls by GC - Westborough Lab** | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 37.9 | 3.37 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 37.9 | 3.80 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 37.9 | 8.04 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 37.9 | 5.11 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 37.9 | 5.69 | 1 | A |
| Aroclor 1254 | ND | | ug/kg | 37.9 | 4.15 | 1 | A |
| Aroclor 1260 | ND | | ug/kg | 37.9 | 7.01 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 37.9 | 4.82 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 37.9 | 3.93 | 1 | A |
| PCBs, Total | ND | | ug/kg | 37.9 | 3.37 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 61 | | 30-150 | A |
| Decachlorobiphenyl | 32 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 58 | | 30-150 | B |
| Decachlorobiphenyl | 40 | | 30-150 | B |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-09
Client ID: TWP-1
Sample Location: NY

Date Collected: 03/20/19 10:45
Date Received: 03/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 03/28/19 09:49
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 03/25/19 13:40
Cleanup Method: EPA 3665A
Cleanup Date: 03/25/19
Cleanup Method: EPA 3660B
Cleanup Date: 03/26/19

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Polychlorinated Biphenyls by GC - Westborough Lab** | | | | | | | |
| Aroclor 1016 | ND | | ug/l | 0.082 | 0.034 | 1 | B |
| Aroclor 1221 | ND | | ug/l | 0.082 | 0.066 | 1 | B |
| Aroclor 1232 | ND | | ug/l | 0.082 | 0.045 | 1 | B |
| Aroclor 1242 | ND | | ug/l | 0.082 | 0.038 | 1 | B |
| Aroclor 1248 | ND | | ug/l | 0.082 | 0.048 | 1 | B |
| Aroclor 1254 | ND | | ug/l | 0.082 | 0.039 | 1 | B |
| Aroclor 1260 | ND | | ug/l | 0.082 | 0.032 | 1 | B |
| Aroclor 1262 | ND | | ug/l | 0.082 | 0.034 | 1 | B |
| Aroclor 1268 | ND | | ug/l | 0.082 | 0.033 | 1 | B |
| PCBs, Total | ND | | ug/l | 0.082 | 0.032 | 1 | B |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 66 | | 30-150 | A |
| Decachlorobiphenyl | 69 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 68 | | 30-150 | B |
| Decachlorobiphenyl | 59 | | 30-150 | B |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-10
Client ID: TWP-3
Sample Location: NY

Date Collected: 03/20/19 11:35
Date Received: 03/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 03/28/19 10:03
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 03/25/19 13:40
Cleanup Method: EPA 3665A
Cleanup Date: 03/25/19
Cleanup Method: EPA 3660B
Cleanup Date: 03/26/19

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Polychlorinated Biphenyls by GC - Westborough Lab** | | | | | | | |
| Aroclor 1016 | ND | | ug/l | 0.082 | 0.034 | 1 | B |
| Aroclor 1221 | ND | | ug/l | 0.082 | 0.066 | 1 | B |
| Aroclor 1232 | ND | | ug/l | 0.082 | 0.045 | 1 | B |
| Aroclor 1242 | ND | | ug/l | 0.082 | 0.038 | 1 | B |
| Aroclor 1248 | ND | | ug/l | 0.082 | 0.048 | 1 | B |
| Aroclor 1254 | ND | | ug/l | 0.082 | 0.039 | 1 | B |
| Aroclor 1260 | ND | | ug/l | 0.082 | 0.032 | 1 | B |
| Aroclor 1262 | ND | | ug/l | 0.082 | 0.034 | 1 | B |
| Aroclor 1268 | ND | | ug/l | 0.082 | 0.033 | 1 | B |
| PCBs, Total | ND | | ug/l | 0.082 | 0.032 | 1 | B |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **20** | Q | 30-150 | A |
| Decachlorobiphenyl | **23** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **26** | Q | 30-150 | B |
| Decachlorobiphenyl | **22** | Q | 30-150 | B |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-10 RE
Client ID: TWP-3
Sample Location: NY

Date Collected: 03/20/19 11:35
Date Received: 03/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 03/29/19 11:27
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 03/28/19 13:22
Cleanup Method: EPA 3665A
Cleanup Date: 03/28/19
Cleanup Method: EPA 3660B
Cleanup Date: 03/29/19

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Polychlorinated Biphenyls by GC - Westborough Lab** | | | | | | | |
| Aroclor 1016 | ND | | ug/l | 0.082 | 0.034 | 1 | A |
| Aroclor 1221 | ND | | ug/l | 0.082 | 0.066 | 1 | A |
| Aroclor 1232 | ND | | ug/l | 0.082 | 0.045 | 1 | A |
| Aroclor 1242 | ND | | ug/l | 0.082 | 0.038 | 1 | A |
| Aroclor 1248 | ND | | ug/l | 0.082 | 0.048 | 1 | A |
| Aroclor 1254 | ND | | ug/l | 0.082 | 0.039 | 1 | A |
| Aroclor 1260 | ND | | ug/l | 0.082 | 0.032 | 1 | A |
| Aroclor 1262 | ND | | ug/l | 0.082 | 0.034 | 1 | A |
| Aroclor 1268 | ND | | ug/l | 0.082 | 0.033 | 1 | A |
| PCBs, Total | ND | | ug/l | 0.082 | 0.032 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 65 | | 30-150 | A |
| Decachlorobiphenyl | 61 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 77 | | 30-150 | B |
| Decachlorobiphenyl | 60 | | 30-150 | B |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-11
Client ID: TWP-8
Sample Location: NY

Date Collected: 03/20/19 12:25
Date Received: 03/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 03/28/19 10:16
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 03/25/19 13:40
Cleanup Method: EPA 3665A
Cleanup Date: 03/25/19
Cleanup Method: EPA 3660B
Cleanup Date: 03/26/19

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Polychlorinated Biphenyls by GC - Westborough Lab** | | | | | | | |
| Aroclor 1016 | ND | | ug/l | 0.129 | 0.053 | 1 | B |
| Aroclor 1221 | ND | | ug/l | 0.129 | 0.103 | 1 | B |
| Aroclor 1232 | ND | | ug/l | 0.129 | 0.070 | 1 | B |
| Aroclor 1242 | ND | | ug/l | 0.129 | 0.060 | 1 | B |
| Aroclor 1248 | ND | | ug/l | 0.129 | 0.076 | 1 | B |
| Aroclor 1254 | ND | | ug/l | 0.129 | 0.060 | 1 | B |
| Aroclor 1260 | ND | | ug/l | 0.129 | 0.049 | 1 | B |
| Aroclor 1262 | ND | | ug/l | 0.129 | 0.054 | 1 | B |
| Aroclor 1268 | ND | | ug/l | 0.129 | 0.052 | 1 | B |
| PCBs, Total | ND | | ug/l | 0.129 | 0.049 | 1 | B |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 60 | | 30-150 | A |
| Decachlorobiphenyl | 68 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 70 | | 30-150 | B |
| Decachlorobiphenyl | 69 | | 30-150 | B |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 03/27/19 20:38
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 03/24/19 01:13
Cleanup Method: EPA 3665A
Cleanup Date: 03/24/19
Cleanup Method: EPA 3660B
Cleanup Date: 03/25/19

| Parameter | Result | Qualifier | Units | RL | MDL | Column |
|---|---|---|---|---|---|---|
| Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-04,07-08 Batch: WG1218941-1 | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 31.8 | 2.82 | A |
| Aroclor 1221 | ND | | ug/kg | 31.8 | 3.18 | A |
| Aroclor 1232 | ND | | ug/kg | 31.8 | 6.74 | A |
| Aroclor 1242 | ND | | ug/kg | 31.8 | 4.28 | A |
| Aroclor 1248 | ND | | ug/kg | 31.8 | 4.77 | A |
| Aroclor 1254 | ND | | ug/kg | 31.8 | 3.48 | A |
| Aroclor 1260 | ND | | ug/kg | 31.8 | 5.87 | A |
| Aroclor 1262 | ND | | ug/kg | 31.8 | 4.04 | A |
| Aroclor 1268 | ND | | ug/kg | 31.8 | 3.29 | A |
| PCBs, Total | ND | | ug/kg | 31.8 | 2.82 | A |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 65 | | 30-150 | A |
| Decachlorobiphenyl | 68 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 66 | | 30-150 | B |
| Decachlorobiphenyl | 86 | | 30-150 | B |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 03/28/19 09:09
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 03/25/19 13:40
Cleanup Method: EPA 3665A
Cleanup Date: 03/25/19
Cleanup Method: EPA 3660B
Cleanup Date: 03/26/19

| Parameter | Result | Qualifier | Units | RL | MDL | Column |
|---|---|---|---|---|---|---|
| Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 09-11 Batch: WG1219258-1 | | | | | | |
| Aroclor 1016 | ND | | ug/l | 0.082 | 0.034 | B |
| Aroclor 1221 | ND | | ug/l | 0.082 | 0.066 | B |
| Aroclor 1232 | ND | | ug/l | 0.082 | 0.045 | B |
| Aroclor 1242 | ND | | ug/l | 0.082 | 0.038 | B |
| Aroclor 1248 | ND | | ug/l | 0.082 | 0.048 | B |
| Aroclor 1254 | ND | | ug/l | 0.082 | 0.039 | B |
| Aroclor 1260 | ND | | ug/l | 0.082 | 0.032 | B |
| Aroclor 1262 | ND | | ug/l | 0.082 | 0.034 | B |
| Aroclor 1268 | ND | | ug/l | 0.082 | 0.033 | B |
| PCBs, Total | ND | | ug/l | 0.082 | 0.032 | B |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 53 | | 30-150 | A |
| Decachlorobiphenyl | 72 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 65 | | 30-150 | B |
| Decachlorobiphenyl | 70 | | 30-150 | B |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 03/29/19 10:33
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 03/28/19 00:53
Cleanup Method: EPA 3665A
Cleanup Date: 03/28/19
Cleanup Method: EPA 3660B
Cleanup Date: 03/29/19

| Parameter | Result | Qualifier | Units | RL | MDL | Column |
|---|---|---|---|---|---|---|
| Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 10 Batch: WG1220382-1 | | | | | | |
| Aroclor 1016 | ND | | ug/l | 0.082 | 0.034 | A |
| Aroclor 1221 | ND | | ug/l | 0.082 | 0.066 | A |
| Aroclor 1232 | ND | | ug/l | 0.082 | 0.045 | A |
| Aroclor 1242 | ND | | ug/l | 0.082 | 0.038 | A |
| Aroclor 1248 | ND | | ug/l | 0.082 | 0.048 | A |
| Aroclor 1254 | ND | | ug/l | 0.082 | 0.039 | A |
| Aroclor 1260 | ND | | ug/l | 0.082 | 0.032 | A |
| Aroclor 1262 | ND | | ug/l | 0.082 | 0.034 | A |
| Aroclor 1268 | ND | | ug/l | 0.082 | 0.033 | A |
| PCBs, Total | ND | | ug/l | 0.082 | 0.032 | A |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 66 | | 30-150 | A |
| Decachlorobiphenyl | 78 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 80 | | 30-150 | B |
| Decachlorobiphenyl | 79 | | 30-150 | B |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 03/28/19 23:42
Analyst: HT

Extraction Method: EPA 3546
Extraction Date: 03/28/19 05:58
Cleanup Method: EPA 3665A
Cleanup Date: 03/28/19
Cleanup Method: EPA 3660B
Cleanup Date: 03/28/19

| Parameter | Result | Qualifier | Units | RL | MDL | Column |
|---|---|---|---|---|---|---|
| Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 05-06 Batch: WG1220439-1 | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 32.8 | 2.92 | A |
| Aroclor 1221 | ND | | ug/kg | 32.8 | 3.29 | A |
| Aroclor 1232 | ND | | ug/kg | 32.8 | 6.96 | A |
| Aroclor 1242 | ND | | ug/kg | 32.8 | 4.43 | A |
| Aroclor 1248 | ND | | ug/kg | 32.8 | 4.93 | A |
| Aroclor 1254 | ND | | ug/kg | 32.8 | 3.59 | A |
| Aroclor 1260 | ND | | ug/kg | 32.8 | 6.07 | A |
| Aroclor 1262 | ND | | ug/kg | 32.8 | 4.17 | A |
| Aroclor 1268 | ND | | ug/kg | 32.8 | 3.40 | A |
| PCBs, Total | ND | | ug/kg | 32.8 | 2.92 | A |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 98 | | 30-150 | A |
| Decachlorobiphenyl | 85 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 99 | | 30-150 | B |
| Decachlorobiphenyl | 99 | | 30-150 | B |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** G6-2423
**Project Number:** G6-2423

**Lab Number:** L1911169
**Report Date:** 03/29/19

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits | Column |
|---|---|---|---|---|---|---|---|---|---|
| Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-04,07-08 Batch: WG1218941-2 WG1218941-3 | | | | | | | | | |
| Aroclor 1016 | 71 | | 83 | | 40-140 | 16 | | 50 | A |
| Aroclor 1260 | 62 | | 73 | | 40-140 | 16 | | 50 | A |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 67 | | 77 | | 30-150 | A |
| Decachlorobiphenyl | 67 | | 77 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 68 | | 78 | | 30-150 | B |
| Decachlorobiphenyl | 84 | | 95 | | 30-150 | B |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** G6-2423
**Project Number:** G6-2423

**Lab Number:** L1911169
**Report Date:** 03/29/19

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits | Column |
|---|---|---|---|---|---|---|---|---|---|
| Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 09-11 Batch: WG1219258-2 WG1219258-3 | | | | | | | | | |
| Aroclor 1016 | 64 | | 57 | | 40-140 | 12 | | 50 | B |
| Aroclor 1260 | 63 | | 52 | | 40-140 | 19 | | 50 | B |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 54 | | 47 | | 30-150 | A |
| Decachlorobiphenyl | 69 | | 44 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 65 | | 64 | | 30-150 | B |
| Decachlorobiphenyl | 58 | | 51 | | 30-150 | B |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** G6-2423
**Project Number:** G6-2423

**Lab Number:** L1911169
**Report Date:** 03/29/19

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits | Column |
|---|---|---|---|---|---|---|---|---|---|
| Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 10 Batch: WG1220382-2 WG1220382-3 | | | | | | | | | |
| Aroclor 1016 | 55 | | 60 | | 40-140 | 9 | | 50 | A |
| Aroclor 1260 | 54 | | 59 | | 40-140 | 9 | | 50 | A |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 65 | | 74 | | 30-150 | A |
| Decachlorobiphenyl | 71 | | 83 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 85 | | 30-150 | B |
| Decachlorobiphenyl | 79 | | 81 | | 30-150 | B |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** G6-2423
**Project Number:** G6-2423

**Lab Number:** L1911169
**Report Date:** 03/29/19

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits | Column |
|---|---|---|---|---|---|---|---|---|---|
| Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 05-06 Batch: WG1220439-2 WG1220439-3 | | | | | | | | | |
| Aroclor 1016 | 108 | | 92 | | 40-140 | 16 | | 50 | A |
| Aroclor 1260 | 100 | | 94 | | 40-140 | 6 | | 50 | A |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 111 | | 102 | | 30-150 | A |
| Decachlorobiphenyl | 93 | | 87 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 107 | | 94 | | 30-150 | B |
| Decachlorobiphenyl | 107 | | 93 | | 30-150 | B |

# PESTICIDES

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-01
Client ID: S-1
Sample Location: NY

Date Collected: 03/20/19 09:10
Date Received: 03/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/25/19 22:07
Analyst: SL
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 03/24/19 02:04
Cleanup Method: EPA 3620B
Cleanup Date: 03/25/19

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides by GC - Westborough Lab** | | | | | | | |
| Delta-BHC | ND | | ug/kg | 1.84 | 0.361 | 1 | A |
| Lindane | ND | | ug/kg | 0.768 | 0.344 | 1 | A |
| Alpha-BHC | ND | | ug/kg | 0.768 | 0.218 | 1 | A |
| Beta-BHC | ND | | ug/kg | 1.84 | 0.699 | 1 | A |
| Heptachlor | ND | | ug/kg | 0.922 | 0.413 | 1 | A |
| Aldrin | ND | | ug/kg | 1.84 | 0.649 | 1 | A |
| Heptachlor epoxide | ND | | ug/kg | 3.46 | 1.04 | 1 | A |
| Endrin | ND | | ug/kg | 0.768 | 0.315 | 1 | A |
| Endrin aldehyde | ND | | ug/kg | 2.30 | 0.807 | 1 | A |
| Endrin ketone | ND | | ug/kg | 1.84 | 0.475 | 1 | A |
| Dieldrin | ND | | ug/kg | 1.15 | 0.576 | 1 | A |
| 4,4'-DDE | ND | | ug/kg | 1.84 | 0.426 | 1 | A |
| 4,4'-DDD | ND | | ug/kg | 1.84 | 0.658 | 1 | A |
| 4,4'-DDT | ND | | ug/kg | 3.46 | 1.48 | 1 | A |
| Endosulfan I | ND | | ug/kg | 1.84 | 0.436 | 1 | A |
| Endosulfan II | ND | | ug/kg | 1.84 | 0.616 | 1 | A |
| Endosulfan sulfate | ND | | ug/kg | 0.768 | 0.366 | 1 | A |
| Methoxychlor | ND | | ug/kg | 3.46 | 1.08 | 1 | A |
| Toxaphene | ND | | ug/kg | 34.6 | 9.68 | 1 | A |
| cis-Chlordane | ND | | ug/kg | 2.30 | 0.642 | 1 | A |
| trans-Chlordane | ND | | ug/kg | 2.30 | 0.609 | 1 | A |
| Chlordane | ND | | ug/kg | 15.0 | 6.11 | 1 | A |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-01 Date Collected: 03/20/19 09:10

Client ID: S-1 Date Received: 03/21/19

Sample Location: NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| Organochlorine Pesticides by GC - Westborough Lab | | | | | | | |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 70 | | 30-150 | B |
| Decachlorobiphenyl | 80 | | 30-150 | B |
| 2,4,5,6-Tetrachloro-m-xylene | 68 | | 30-150 | A |
| Decachlorobiphenyl | 76 | | 30-150 | A |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-02
Client ID: S-2
Sample Location: NY

Date Collected: 03/20/19 09:45
Date Received: 03/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/25/19 20:52
Analyst: SL
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 03/24/19 02:04
Cleanup Method: EPA 3620B
Cleanup Date: 03/25/19

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides by GC - Westborough Lab** | | | | | | | |
| Delta-BHC | ND | | ug/kg | 1.80 | 0.353 | 1 | A |
| Lindane | ND | | ug/kg | 0.751 | 0.336 | 1 | A |
| Alpha-BHC | ND | | ug/kg | 0.751 | 0.213 | 1 | A |
| Beta-BHC | ND | | ug/kg | 1.80 | 0.683 | 1 | A |
| Heptachlor | ND | | ug/kg | 0.901 | 0.404 | 1 | A |
| Aldrin | ND | | ug/kg | 1.80 | 0.634 | 1 | A |
| Heptachlor epoxide | ND | | ug/kg | 3.38 | 1.01 | 1 | A |
| Endrin | ND | | ug/kg | 0.751 | 0.308 | 1 | A |
| Endrin aldehyde | ND | | ug/kg | 2.25 | 0.788 | 1 | A |
| Endrin ketone | ND | | ug/kg | 1.80 | 0.464 | 1 | A |
| Dieldrin | ND | | ug/kg | 1.13 | 0.563 | 1 | A |
| 4,4'-DDE | ND | | ug/kg | 1.80 | 0.417 | 1 | A |
| 4,4'-DDD | ND | | ug/kg | 1.80 | 0.643 | 1 | A |
| 4,4'-DDT | ND | | ug/kg | 3.38 | 1.45 | 1 | A |
| Endosulfan I | ND | | ug/kg | 1.80 | 0.426 | 1 | A |
| Endosulfan II | ND | | ug/kg | 1.80 | 0.602 | 1 | A |
| Endosulfan sulfate | ND | | ug/kg | 0.751 | 0.357 | 1 | A |
| Methoxychlor | ND | | ug/kg | 3.38 | 1.05 | 1 | A |
| Toxaphene | ND | | ug/kg | 33.8 | 9.46 | 1 | A |
| cis-Chlordane | ND | | ug/kg | 2.25 | 0.628 | 1 | A |
| trans-Chlordane | ND | | ug/kg | 2.25 | 0.595 | 1 | A |
| Chlordane | ND | | ug/kg | 14.6 | 5.97 | 1 | A |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-02 Date Collected: 03/20/19 09:45

Client ID: S-2 Date Received: 03/21/19

Sample Location: NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| Organochlorine Pesticides by GC - Westborough Lab | | | | | | | |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 84 | | 30-150 | B |
| Decachlorobiphenyl | 79 | | 30-150 | B |
| 2,4,5,6-Tetrachloro-m-xylene | 75 | | 30-150 | A |
| Decachlorobiphenyl | 86 | | 30-150 | A |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-03
Client ID: S-3
Sample Location: NY

Date Collected: 03/20/19 10:05
Date Received: 03/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/25/19 21:05
Analyst: SL
Percent Solids: 74%

Extraction Method: EPA 3546
Extraction Date: 03/24/19 02:04
Cleanup Method: EPA 3620B
Cleanup Date: 03/25/19

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides by GC - Westborough Lab** | | | | | | | |
| Delta-BHC | ND | | ug/kg | 2.12 | 0.416 | 1 | A |
| Lindane | ND | | ug/kg | 0.886 | 0.396 | 1 | A |
| Alpha-BHC | ND | | ug/kg | 0.886 | 0.252 | 1 | A |
| Beta-BHC | ND | | ug/kg | 2.12 | 0.806 | 1 | A |
| Heptachlor | ND | | ug/kg | 1.06 | 0.476 | 1 | A |
| Aldrin | ND | | ug/kg | 2.12 | 0.748 | 1 | A |
| Heptachlor epoxide | ND | | ug/kg | 3.98 | 1.20 | 1 | A |
| Endrin | ND | | ug/kg | 0.886 | 0.363 | 1 | A |
| Endrin aldehyde | ND | | ug/kg | 2.66 | 0.930 | 1 | A |
| Endrin ketone | ND | | ug/kg | 2.12 | 0.547 | 1 | A |
| Dieldrin | ND | | ug/kg | 1.33 | 0.664 | 1 | A |
| 4,4'-DDE | ND | | ug/kg | 2.12 | 0.492 | 1 | A |
| 4,4'-DDD | ND | | ug/kg | 2.12 | 0.758 | 1 | A |
| 4,4'-DDT | ND | | ug/kg | 3.98 | 1.71 | 1 | A |
| Endosulfan I | ND | | ug/kg | 2.12 | 0.502 | 1 | A |
| Endosulfan II | ND | | ug/kg | 2.12 | 0.710 | 1 | A |
| Endosulfan sulfate | ND | | ug/kg | 0.886 | 0.422 | 1 | A |
| Methoxychlor | ND | | ug/kg | 3.98 | 1.24 | 1 | A |
| Toxaphene | ND | | ug/kg | 39.8 | 11.2 | 1 | A |
| cis-Chlordane | ND | | ug/kg | 2.66 | 0.740 | 1 | A |
| trans-Chlordane | ND | | ug/kg | 2.66 | 0.702 | 1 | A |
| Chlordane | ND | | ug/kg | 17.3 | 7.04 | 1 | A |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-03 Date Collected: 03/20/19 10:05

Client ID: S-3 Date Received: 03/21/19

Sample Location: NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| Organochlorine Pesticides by GC - Westborough Lab | | | | | | | |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 70 | | 30-150 | B |
| Decachlorobiphenyl | 67 | | 30-150 | B |
| 2,4,5,6-Tetrachloro-m-xylene | 57 | | 30-150 | A |
| Decachlorobiphenyl | 71 | | 30-150 | A |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-04
Client ID: S-4
Sample Location: NY

Date Collected: 03/20/19 11:00
Date Received: 03/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/25/19 21:17
Analyst: SL
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 03/24/19 02:04
Cleanup Method: EPA 3620B
Cleanup Date: 03/25/19

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides by GC - Westborough Lab** | | | | | | | |
| Delta-BHC | ND | | ug/kg | 1.94 | 0.379 | 1 | A |
| Lindane | ND | | ug/kg | 0.807 | 0.360 | 1 | A |
| Alpha-BHC | ND | | ug/kg | 0.807 | 0.229 | 1 | A |
| Beta-BHC | ND | | ug/kg | 1.94 | 0.734 | 1 | A |
| Heptachlor | ND | | ug/kg | 0.968 | 0.434 | 1 | A |
| Aldrin | ND | | ug/kg | 1.94 | 0.682 | 1 | A |
| Heptachlor epoxide | ND | | ug/kg | 3.63 | 1.09 | 1 | A |
| Endrin | ND | | ug/kg | 0.807 | 0.331 | 1 | A |
| Endrin aldehyde | ND | | ug/kg | 2.42 | 0.847 | 1 | A |
| Endrin ketone | ND | | ug/kg | 1.94 | 0.498 | 1 | A |
| Dieldrin | ND | | ug/kg | 1.21 | 0.605 | 1 | A |
| 4,4'-DDE | ND | | ug/kg | 1.94 | 0.448 | 1 | A |
| 4,4'-DDD | ND | | ug/kg | 1.94 | 0.690 | 1 | A |
| 4,4'-DDT | ND | | ug/kg | 3.63 | 1.56 | 1 | A |
| Endosulfan I | ND | | ug/kg | 1.94 | 0.457 | 1 | A |
| Endosulfan II | ND | | ug/kg | 1.94 | 0.647 | 1 | A |
| Endosulfan sulfate | ND | | ug/kg | 0.807 | 0.384 | 1 | A |
| Methoxychlor | ND | | ug/kg | 3.63 | 1.13 | 1 | A |
| Toxaphene | ND | | ug/kg | 36.3 | 10.2 | 1 | A |
| cis-Chlordane | ND | | ug/kg | 2.42 | 0.674 | 1 | A |
| trans-Chlordane | ND | | ug/kg | 2.42 | 0.639 | 1 | A |
| Chlordane | ND | | ug/kg | 15.7 | 6.41 | 1 | A |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-04 Date Collected: 03/20/19 11:00

Client ID: S-4 Date Received: 03/21/19

Sample Location: NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| Organochlorine Pesticides by GC - Westborough Lab | | | | | | | |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 98 | | 30-150 | B |
| Decachlorobiphenyl | 82 | | 30-150 | B |
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 30-150 | A |
| Decachlorobiphenyl | 89 | | 30-150 | A |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-05
Client ID: S-5
Sample Location: NY

Date Collected: 03/20/19 11:20
Date Received: 03/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/25/19 21:30
Analyst: SL
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 03/24/19 02:04
Cleanup Method: EPA 3620B
Cleanup Date: 03/25/19

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides by GC - Westborough Lab** | | | | | | | |
| Delta-BHC | ND | | ug/kg | 1.88 | 0.368 | 1 | A |
| Lindane | ND | | ug/kg | 0.783 | 0.350 | 1 | A |
| Alpha-BHC | ND | | ug/kg | 0.783 | 0.222 | 1 | A |
| Beta-BHC | ND | | ug/kg | 1.88 | 0.713 | 1 | A |
| Heptachlor | ND | | ug/kg | 0.940 | 0.421 | 1 | A |
| Aldrin | ND | | ug/kg | 1.88 | 0.662 | 1 | A |
| Heptachlor epoxide | ND | IP | ug/kg | 3.52 | 1.06 | 1 | B |
| Endrin | ND | | ug/kg | 0.783 | 0.321 | 1 | A |
| Endrin aldehyde | ND | | ug/kg | 2.35 | 0.823 | 1 | A |
| Endrin ketone | ND | | ug/kg | 1.88 | 0.484 | 1 | A |
| Dieldrin | 5.47 | | ug/kg | 1.18 | 0.588 | 1 | B |
| 4,4'-DDE | 121 | | ug/kg | 1.88 | 0.435 | 1 | B |
| 4,4'-DDD | 2.32 | | ug/kg | 1.88 | 0.671 | 1 | B |
| 4,4'-DDT | 256 | E | ug/kg | 3.52 | 1.51 | 1 | B |
| Endosulfan I | ND | | ug/kg | 1.88 | 0.444 | 1 | A |
| Endosulfan II | ND | | ug/kg | 1.88 | 0.628 | 1 | A |
| Endosulfan sulfate | ND | | ug/kg | 0.783 | 0.373 | 1 | A |
| Methoxychlor | ND | | ug/kg | 3.52 | 1.10 | 1 | A |
| Toxaphene | ND | | ug/kg | 35.2 | 9.87 | 1 | A |
| cis-Chlordane | 4.76 | P | ug/kg | 2.35 | 0.655 | 1 | A |
| trans-Chlordane | 4.65 | P | ug/kg | 2.35 | 0.620 | 1 | A |
| Chlordane | ND | | ug/kg | 15.3 | 6.23 | 1 | A |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-05 Date Collected: 03/20/19 11:20

Client ID: S-5 Date Received: 03/21/19

Sample Location: NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| Organochlorine Pesticides by GC - Westborough Lab | | | | | | | |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 68 | | 30-150 | B |
| Decachlorobiphenyl | 91 | | 30-150 | B |
| 2,4,5,6-Tetrachloro-m-xylene | 75 | | 30-150 | A |
| Decachlorobiphenyl | 54 | | 30-150 | A |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-05 D
Client ID: S-5
Sample Location: NY

Date Collected: 03/20/19 11:20
Date Received: 03/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/27/19 18:14
Analyst: SL
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 03/24/19 02:04
Cleanup Method: EPA 3620B
Cleanup Date: 03/25/19

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| Organochlorine Pesticides by GC - Westborough Lab | | | | | | | |
| 4,4'-DDT | 233 | | ug/kg | 7.05 | 3.02 | 2 | B |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-06
Client ID: S-6
Sample Location: NY

Date Collected: 03/20/19 11:30
Date Received: 03/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/25/19 21:42
Analyst: SL
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 03/24/19 02:04
Cleanup Method: EPA 3620B
Cleanup Date: 03/25/19

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides by GC - Westborough Lab** | | | | | | | |
| Delta-BHC | ND | | ug/kg | 1.79 | 0.350 | 1 | A |
| Lindane | ND | | ug/kg | 0.745 | 0.333 | 1 | A |
| Alpha-BHC | ND | | ug/kg | 0.745 | 0.211 | 1 | A |
| Beta-BHC | ND | | ug/kg | 1.79 | 0.678 | 1 | A |
| Heptachlor | ND | | ug/kg | 0.894 | 0.401 | 1 | A |
| Aldrin | ND | | ug/kg | 1.79 | 0.629 | 1 | A |
| Heptachlor epoxide | ND | | ug/kg | 3.35 | 1.00 | 1 | A |
| Endrin | ND | | ug/kg | 0.745 | 0.305 | 1 | A |
| Endrin aldehyde | ND | | ug/kg | 2.23 | 0.782 | 1 | A |
| Endrin ketone | ND | | ug/kg | 1.79 | 0.460 | 1 | A |
| Dieldrin | ND | | ug/kg | 1.12 | 0.558 | 1 | A |
| 4,4'-DDE | ND | | ug/kg | 1.79 | 0.413 | 1 | A |
| 4,4'-DDD | ND | | ug/kg | 1.79 | 0.637 | 1 | A |
| 4,4'-DDT | ND | | ug/kg | 3.35 | 1.44 | 1 | A |
| Endosulfan I | ND | | ug/kg | 1.79 | 0.422 | 1 | A |
| Endosulfan II | ND | | ug/kg | 1.79 | 0.597 | 1 | A |
| Endosulfan sulfate | ND | | ug/kg | 0.745 | 0.354 | 1 | A |
| Methoxychlor | ND | | ug/kg | 3.35 | 1.04 | 1 | A |
| Toxaphene | ND | | ug/kg | 33.5 | 9.38 | 1 | A |
| cis-Chlordane | ND | | ug/kg | 2.23 | 0.622 | 1 | A |
| trans-Chlordane | ND | | ug/kg | 2.23 | 0.590 | 1 | A |
| Chlordane | ND | | ug/kg | 14.5 | 5.92 | 1 | A |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-06 Date Collected: 03/20/19 11:30

Client ID: S-6 Date Received: 03/21/19

Sample Location: NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| Organochlorine Pesticides by GC - Westborough Lab | | | | | | | |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 101 | | 30-150 | B |
| Decachlorobiphenyl | 74 | | 30-150 | B |
| 2,4,5,6-Tetrachloro-m-xylene | 71 | | 30-150 | A |
| Decachlorobiphenyl | 68 | | 30-150 | A |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-07 D
Client ID: S-7
Sample Location: NY

Date Collected: 03/20/19 11:50
Date Received: 03/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/27/19 18:47
Analyst: SL
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 03/24/19 02:04
Cleanup Method: EPA 3620B
Cleanup Date: 03/25/19
Cleanup Method: EPA 3660B
Cleanup Date: 03/27/19

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides by GC - Westborough Lab** | | | | | | | |
| Delta-BHC | ND | | ug/kg | 84.9 | 16.6 | 50 | A |
| Lindane | ND | | ug/kg | 35.4 | 15.8 | 50 | A |
| Alpha-BHC | ND | | ug/kg | 35.4 | 10.0 | 50 | A |
| Beta-BHC | ND | | ug/kg | 84.9 | 32.2 | 50 | A |
| Heptachlor | ND | | ug/kg | 42.4 | 19.0 | 50 | A |
| Aldrin | ND | | ug/kg | 84.9 | 29.9 | 50 | A |
| Heptachlor epoxide | ND | | ug/kg | 159 | 47.8 | 50 | A |
| Endrin | ND | | ug/kg | 35.4 | 14.5 | 50 | A |
| Endrin aldehyde | ND | | ug/kg | 106 | 37.1 | 50 | A |
| Endrin ketone | ND | | ug/kg | 84.9 | 21.8 | 50 | A |
| Dieldrin | ND | | ug/kg | 53.0 | 26.5 | 50 | A |
| 4,4'-DDE | ND | | ug/kg | 84.9 | 19.6 | 50 | A |
| 4,4'-DDD | ND | | ug/kg | 84.9 | 30.3 | 50 | A |
| 4,4'-DDT | ND | | ug/kg | 159 | 68.3 | 50 | A |
| Endosulfan I | ND | | ug/kg | 84.9 | 20.0 | 50 | A |
| Endosulfan II | ND | | ug/kg | 84.9 | 28.4 | 50 | A |
| Endosulfan sulfate | ND | | ug/kg | 35.4 | 16.8 | 50 | A |
| Methoxychlor | ND | | ug/kg | 159 | 49.5 | 50 | A |
| Toxaphene | ND | | ug/kg | 1590 | 446. | 50 | A |
| cis-Chlordane | ND | | ug/kg | 106 | 29.6 | 50 | A |
| trans-Chlordane | ND | | ug/kg | 106 | 28.0 | 50 | A |
| Chlordane | ND | | ug/kg | 690 | 281. | 50 | A |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-07 D
Client ID: S-7
Sample Location: NY

Date Collected: 03/20/19 11:50
Date Received: 03/21/19
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| Organochlorine Pesticides by GC - Westborough Lab | | | | | | | |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | B |
| Decachlorobiphenyl | **0** | Q | 30-150 | B |
| 2,4,5,6-Tetrachloro-m-xylene | **0** | Q | 30-150 | A |
| Decachlorobiphenyl | **0** | Q | 30-150 | A |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-08
Client ID: S-8
Sample Location: NY

Date Collected: 03/20/19 12:05
Date Received: 03/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/25/19 21:55
Analyst: SL
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 03/24/19 02:04
Cleanup Method: EPA 3620B
Cleanup Date: 03/25/19

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides by GC - Westborough Lab** | | | | | | | |
| Delta-BHC | ND | | ug/kg | 1.83 | 0.358 | 1 | A |
| Lindane | ND | | ug/kg | 0.763 | 0.341 | 1 | A |
| Alpha-BHC | ND | | ug/kg | 0.763 | 0.217 | 1 | A |
| Beta-BHC | ND | | ug/kg | 1.83 | 0.694 | 1 | A |
| Heptachlor | ND | | ug/kg | 0.916 | 0.410 | 1 | A |
| Aldrin | ND | | ug/kg | 1.83 | 0.645 | 1 | A |
| Heptachlor epoxide | ND | | ug/kg | 3.43 | 1.03 | 1 | A |
| Endrin | ND | | ug/kg | 0.763 | 0.313 | 1 | A |
| Endrin aldehyde | ND | | ug/kg | 2.29 | 0.801 | 1 | A |
| Endrin ketone | ND | | ug/kg | 1.83 | 0.471 | 1 | A |
| Dieldrin | ND | | ug/kg | 1.14 | 0.572 | 1 | A |
| 4,4'-DDE | ND | | ug/kg | 1.83 | 0.423 | 1 | A |
| 4,4'-DDD | ND | | ug/kg | 1.83 | 0.653 | 1 | A |
| 4,4'-DDT | ND | | ug/kg | 3.43 | 1.47 | 1 | A |
| Endosulfan I | ND | | ug/kg | 1.83 | 0.432 | 1 | A |
| Endosulfan II | ND | | ug/kg | 1.83 | 0.612 | 1 | A |
| Endosulfan sulfate | ND | | ug/kg | 0.763 | 0.363 | 1 | A |
| Methoxychlor | ND | | ug/kg | 3.43 | 1.07 | 1 | A |
| Toxaphene | ND | | ug/kg | 34.3 | 9.61 | 1 | A |
| cis-Chlordane | ND | | ug/kg | 2.29 | 0.638 | 1 | A |
| trans-Chlordane | ND | | ug/kg | 2.29 | 0.604 | 1 | A |
| Chlordane | ND | | ug/kg | 14.9 | 6.06 | 1 | A |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-08 Date Collected: 03/20/19 12:05

Client ID: S-8 Date Received: 03/21/19

Sample Location: NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| Organochlorine Pesticides by GC - Westborough Lab | | | | | | | |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 73 | | 30-150 | B |
| Decachlorobiphenyl | 77 | | 30-150 | B |
| 2,4,5,6-Tetrachloro-m-xylene | 69 | | 30-150 | A |
| Decachlorobiphenyl | 69 | | 30-150 | A |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-09
Client ID: TWP-1
Sample Location: NY

Date Collected: 03/20/19 10:45
Date Received: 03/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 03/26/19 10:55
Analyst: SL

Extraction Method: EPA 3510C
Extraction Date: 03/25/19 13:39

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides by GC - Westborough Lab** | | | | | | | |
| Delta-BHC | ND | | ug/l | 0.014 | 0.003 | 1 | A |
| Lindane | ND | | ug/l | 0.014 | 0.003 | 1 | A |
| Alpha-BHC | ND | | ug/l | 0.014 | 0.003 | 1 | A |
| Beta-BHC | ND | | ug/l | 0.014 | 0.004 | 1 | A |
| Heptachlor | ND | | ug/l | 0.014 | 0.002 | 1 | A |
| Aldrin | ND | | ug/l | 0.014 | 0.002 | 1 | A |
| Heptachlor epoxide | ND | | ug/l | 0.014 | 0.003 | 1 | A |
| Endrin | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| Endrin aldehyde | ND | | ug/l | 0.029 | 0.006 | 1 | A |
| Endrin ketone | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| Dieldrin | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| 4,4'-DDE | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| 4,4'-DDD | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| 4,4'-DDT | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| Endosulfan I | ND | | ug/l | 0.014 | 0.002 | 1 | A |
| Endosulfan II | ND | | ug/l | 0.029 | 0.004 | 1 | A |
| Endosulfan sulfate | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| Methoxychlor | ND | | ug/l | 0.143 | 0.005 | 1 | A |
| Toxaphene | ND | | ug/l | 0.143 | 0.045 | 1 | A |
| cis-Chlordane | ND | | ug/l | 0.014 | 0.005 | 1 | A |
| trans-Chlordane | ND | | ug/l | 0.014 | 0.004 | 1 | A |
| Chlordane | ND | | ug/l | 0.143 | 0.033 | 1 | A |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-09 Date Collected: 03/20/19 10:45

Client ID: TWP-1 Date Received: 03/21/19

Sample Location: NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| Organochlorine Pesticides by GC - Westborough Lab | | | | | | | |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 68 | | 30-150 | A |
| Decachlorobiphenyl | 92 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 44 | | 30-150 | B |
| Decachlorobiphenyl | 61 | | 30-150 | B |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-10
Client ID: TWP-3
Sample Location: NY

Date Collected: 03/20/19 11:35
Date Received: 03/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 03/26/19 11:08
Analyst: SL

Extraction Method: EPA 3510C
Extraction Date: 03/25/19 13:39

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides by GC - Westborough Lab** | | | | | | | |
| Delta-BHC | ND | | ug/l | 0.014 | 0.003 | 1 | A |
| Lindane | ND | | ug/l | 0.014 | 0.003 | 1 | A |
| Alpha-BHC | ND | | ug/l | 0.014 | 0.003 | 1 | A |
| Beta-BHC | ND | | ug/l | 0.014 | 0.004 | 1 | A |
| Heptachlor | ND | | ug/l | 0.014 | 0.002 | 1 | A |
| Aldrin | ND | | ug/l | 0.014 | 0.002 | 1 | A |
| Heptachlor epoxide | ND | | ug/l | 0.014 | 0.003 | 1 | A |
| Endrin | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| Endrin aldehyde | ND | | ug/l | 0.029 | 0.006 | 1 | A |
| Endrin ketone | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| Dieldrin | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| 4,4'-DDE | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| 4,4'-DDD | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| 4,4'-DDT | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| Endosulfan I | ND | | ug/l | 0.014 | 0.002 | 1 | A |
| Endosulfan II | ND | | ug/l | 0.029 | 0.004 | 1 | A |
| Endosulfan sulfate | ND | | ug/l | 0.029 | 0.003 | 1 | A |
| Methoxychlor | ND | | ug/l | 0.143 | 0.005 | 1 | A |
| Toxaphene | ND | | ug/l | 0.143 | 0.045 | 1 | A |
| cis-Chlordane | ND | | ug/l | 0.014 | 0.005 | 1 | A |
| trans-Chlordane | ND | | ug/l | 0.014 | 0.004 | 1 | A |
| Chlordane | ND | | ug/l | 0.143 | 0.033 | 1 | A |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-10 Date Collected: 03/20/19 11:35

Client ID: TWP-3 Date Received: 03/21/19

Sample Location: NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| Organochlorine Pesticides by GC - Westborough Lab | | | | | | | |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 62 | | 30-150 | A |
| Decachlorobiphenyl | 75 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 52 | | 30-150 | B |
| Decachlorobiphenyl | 58 | | 30-150 | B |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-11
Client ID: TWP-8
Sample Location: NY

Date Collected: 03/20/19 12:25
Date Received: 03/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 03/26/19 11:20
Analyst: SL

Extraction Method: EPA 3510C
Extraction Date: 03/25/19 13:39

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides by GC - Westborough Lab** | | | | | | | |
| Delta-BHC | ND | | ug/l | 0.022 | 0.005 | 1 | A |
| Lindane | ND | | ug/l | 0.022 | 0.005 | 1 | A |
| Alpha-BHC | ND | | ug/l | 0.022 | 0.005 | 1 | A |
| Beta-BHC | ND | | ug/l | 0.022 | 0.006 | 1 | A |
| Heptachlor | ND | | ug/l | 0.022 | 0.003 | 1 | A |
| Aldrin | ND | | ug/l | 0.022 | 0.002 | 1 | A |
| Heptachlor epoxide | ND | | ug/l | 0.022 | 0.005 | 1 | A |
| Endrin | ND | | ug/l | 0.044 | 0.005 | 1 | A |
| Endrin aldehyde | ND | | ug/l | 0.044 | 0.009 | 1 | A |
| Endrin ketone | ND | | ug/l | 0.044 | 0.005 | 1 | A |
| Dieldrin | ND | | ug/l | 0.044 | 0.005 | 1 | A |
| 4,4'-DDE | ND | | ug/l | 0.044 | 0.004 | 1 | A |
| 4,4'-DDD | ND | | ug/l | 0.044 | 0.005 | 1 | A |
| 4,4'-DDT | ND | | ug/l | 0.044 | 0.005 | 1 | A |
| Endosulfan I | ND | | ug/l | 0.022 | 0.004 | 1 | A |
| Endosulfan II | ND | | ug/l | 0.044 | 0.006 | 1 | A |
| Endosulfan sulfate | ND | | ug/l | 0.044 | 0.005 | 1 | A |
| Methoxychlor | ND | | ug/l | 0.222 | 0.008 | 1 | A |
| Toxaphene | ND | | ug/l | 0.222 | 0.070 | 1 | A |
| cis-Chlordane | ND | | ug/l | 0.022 | 0.007 | 1 | A |
| trans-Chlordane | ND | | ug/l | 0.022 | 0.007 | 1 | A |
| Chlordane | ND | | ug/l | 0.222 | 0.051 | 1 | A |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-11 Date Collected: 03/20/19 12:25

Client ID: TWP-8 Date Received: 03/21/19

Sample Location: NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| Organochlorine Pesticides by GC - Westborough Lab | | | | | | | |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 65 | | 30-150 | A |
| Decachlorobiphenyl | 89 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 64 | | 30-150 | B |
| Decachlorobiphenyl | 71 | | 30-150 | B |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 03/27/19 17:24
Analyst: SL

Extraction Method: EPA 3546
Extraction Date: 03/24/19 02:04
Cleanup Method: EPA 3620B
Cleanup Date: 03/25/19
Cleanup Method: EPA 3660B
Cleanup Date: 03/27/19

| Parameter | Result | Qualifier | Units | RL | MDL | Column |
|---|---|---|---|---|---|---|
| Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-08 Batch: WG1218946-1 | | | | | | |
| Delta-BHC | ND | | ug/kg | 1.51 | 0.295 | A |
| Lindane | ND | | ug/kg | 0.628 | 0.281 | A |
| Alpha-BHC | ND | | ug/kg | 0.628 | 0.178 | A |
| Beta-BHC | ND | | ug/kg | 1.51 | 0.572 | A |
| Heptachlor | ND | | ug/kg | 0.754 | 0.338 | A |
| Aldrin | ND | | ug/kg | 1.51 | 0.531 | A |
| Heptachlor epoxide | ND | | ug/kg | 2.83 | 0.848 | A |
| Endrin | ND | | ug/kg | 0.628 | 0.258 | A |
| Endrin aldehyde | ND | | ug/kg | 1.88 | 0.660 | A |
| Endrin ketone | ND | | ug/kg | 1.51 | 0.388 | A |
| Dieldrin | ND | | ug/kg | 0.943 | 0.471 | A |
| 4,4'-DDE | ND | | ug/kg | 1.51 | 0.349 | A |
| 4,4'-DDD | ND | | ug/kg | 1.51 | 0.538 | A |
| 4,4'-DDT | ND | | ug/kg | 2.83 | 1.21 | A |
| Endosulfan I | ND | | ug/kg | 1.51 | 0.356 | A |
| Endosulfan II | ND | | ug/kg | 1.51 | 0.504 | A |
| Endosulfan sulfate | ND | | ug/kg | 0.628 | 0.299 | A |
| Methoxychlor | ND | | ug/kg | 2.83 | 0.880 | A |
| Toxaphene | ND | | ug/kg | 28.3 | 7.92 | A |
| cis-Chlordane | ND | | ug/kg | 1.88 | 0.525 | A |
| trans-Chlordane | ND | | ug/kg | 1.88 | 0.498 | A |
| Chlordane | ND | | ug/kg | 12.2 | 5.00 | A |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 03/27/19 17:24
Analyst: SL

Extraction Method: EPA 3546
Extraction Date: 03/24/19 02:04
Cleanup Method: EPA 3620B
Cleanup Date: 03/25/19
Cleanup Method: EPA 3660B
Cleanup Date: 03/27/19

| Parameter | Result | Qualifier | Units | RL | MDL | Column |
|---|---|---|---|---|---|---|
| Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-08 Batch: WG1218946-1 | | | | | | |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 77 | | 30-150 | B |
| Decachlorobiphenyl | 99 | | 30-150 | B |
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 30-150 | A |
| Decachlorobiphenyl | 97 | | 30-150 | A |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 03/26/19 10:18
Analyst: SL

Extraction Method: EPA 3510C
Extraction Date: 03/25/19 13:39

| Parameter | Result | Qualifier | Units | RL | MDL | Column |
|---|---|---|---|---|---|---|
| Organochlorine Pesticides by GC - Westborough Lab for sample(s): 09-11 Batch: WG1219256-1 | | | | | | |
| Delta-BHC | ND | | ug/l | 0.014 | 0.003 | A |
| Lindane | ND | | ug/l | 0.014 | 0.003 | A |
| Alpha-BHC | ND | | ug/l | 0.014 | 0.003 | A |
| Beta-BHC | ND | | ug/l | 0.014 | 0.004 | A |
| Heptachlor | ND | | ug/l | 0.014 | 0.002 | A |
| Aldrin | ND | | ug/l | 0.014 | 0.002 | A |
| Heptachlor epoxide | ND | | ug/l | 0.014 | 0.003 | A |
| Endrin | ND | | ug/l | 0.029 | 0.003 | A |
| Endrin aldehyde | ND | | ug/l | 0.029 | 0.006 | A |
| Endrin ketone | ND | | ug/l | 0.029 | 0.003 | A |
| Dieldrin | ND | | ug/l | 0.029 | 0.003 | A |
| 4,4'-DDE | ND | | ug/l | 0.029 | 0.003 | A |
| 4,4'-DDD | ND | | ug/l | 0.029 | 0.003 | A |
| 4,4'-DDT | ND | | ug/l | 0.029 | 0.003 | A |
| Endosulfan I | ND | | ug/l | 0.014 | 0.002 | A |
| Endosulfan II | ND | | ug/l | 0.029 | 0.004 | A |
| Endosulfan sulfate | ND | | ug/l | 0.029 | 0.003 | A |
| Methoxychlor | ND | | ug/l | 0.143 | 0.005 | A |
| Toxaphene | ND | | ug/l | 0.143 | 0.045 | A |
| cis-Chlordane | ND | | ug/l | 0.014 | 0.005 | A |
| trans-Chlordane | ND | | ug/l | 0.014 | 0.004 | A |
| Chlordane | ND | | ug/l | 0.143 | 0.033 | A |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 03/26/19 10:18
Analyst: SL

Extraction Method: EPA 3510C
Extraction Date: 03/25/19 13:39

| Parameter | Result | Qualifier | Units | RL | MDL | Column |
|---|---|---|---|---|---|---|
| Organochlorine Pesticides by GC - Westborough Lab for sample(s): 09-11 Batch: WG1219256-1 | | | | | | |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 63 | | 30-150 | A |
| Decachlorobiphenyl | 93 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 66 | | 30-150 | B |
| Decachlorobiphenyl | 82 | | 30-150 | B |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** G6-2423
**Project Number:** G6-2423

**Lab Number:** L1911169
**Report Date:** 03/29/19

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits | Column |
|---|---|---|---|---|---|---|---|---|---|
| Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-08 Batch: WG1218946-2 WG1218946-3 | | | | | | | | | |
| Delta-BHC | 104 | | 97 | | 30-150 | 7 | | 30 | A |
| Lindane | 102 | | 97 | | 30-150 | 5 | | 30 | A |
| Alpha-BHC | 98 | | 92 | | 30-150 | 6 | | 30 | A |
| Beta-BHC | 98 | | 96 | | 30-150 | 2 | | 30 | A |
| Heptachlor | 68 | | 70 | | 30-150 | 3 | | 30 | A |
| Aldrin | 92 | | 83 | | 30-150 | 10 | | 30 | A |
| Heptachlor epoxide | 98 | | 91 | | 30-150 | 7 | | 30 | A |
| Endrin | 102 | | 95 | | 30-150 | 7 | | 30 | A |
| Endrin aldehyde | 80 | | 73 | | 30-150 | 9 | | 30 | A |
| Endrin ketone | 100 | | 96 | | 30-150 | 4 | | 30 | A |
| Dieldrin | 98 | | 92 | | 30-150 | 6 | | 30 | A |
| 4,4'-DDE | 91 | | 85 | | 30-150 | 7 | | 30 | A |
| 4,4'-DDD | 95 | | 89 | | 30-150 | 7 | | 30 | A |
| 4,4'-DDT | 97 | | 89 | | 30-150 | 9 | | 30 | A |
| Endosulfan I | 88 | | 86 | | 30-150 | 2 | | 30 | A |
| Endosulfan II | 96 | | 89 | | 30-150 | 8 | | 30 | A |
| Endosulfan sulfate | 87 | | 85 | | 30-150 | 2 | | 30 | A |
| Methoxychlor | 93 | | 86 | | 30-150 | 8 | | 30 | A |
| cis-Chlordane | 81 | | 75 | | 30-150 | 8 | | 30 | A |
| trans-Chlordane | 97 | | 85 | | 30-150 | 13 | | 30 | A |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** G6-2423
**Project Number:** G6-2423

**Lab Number:** L1911169
**Report Date:** 03/29/19

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-08 Batch: WG1218946-2 WG1218946-3 | | | | | | | | |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 89 | | 91 | | 30-150 | B |
| Decachlorobiphenyl | 125 | | 124 | | 30-150 | B |
| 2,4,5,6-Tetrachloro-m-xylene | 83 | | 78 | | 30-150 | A |
| Decachlorobiphenyl | 111 | | 96 | | 30-150 | A |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** G6-2423
**Project Number:** G6-2423

**Lab Number:** L1911169
**Report Date:** 03/29/19

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits | Column |
|---|---|---|---|---|---|---|---|---|---|
| Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 09-11 Batch: WG1219256-2 WG1219256-3 | | | | | | | | | |
| Delta-BHC | 62 | | 69 | | 30-150 | 11 | | 20 | A |
| Lindane | 76 | | 83 | | 30-150 | 10 | | 20 | A |
| Alpha-BHC | 76 | | 85 | | 30-150 | 11 | | 20 | A |
| Beta-BHC | 71 | | 82 | | 30-150 | 14 | | 20 | A |
| Heptachlor | 71 | | 80 | | 30-150 | 12 | | 20 | A |
| Aldrin | 67 | | 77 | | 30-150 | 13 | | 20 | A |
| Heptachlor epoxide | 76 | | 84 | | 30-150 | 10 | | 20 | A |
| Endrin | 76 | | 83 | | 30-150 | 9 | | 20 | A |
| Endrin aldehyde | 67 | | 72 | | 30-150 | 7 | | 20 | A |
| Endrin ketone | 80 | | 87 | | 30-150 | 8 | | 20 | A |
| Dieldrin | 77 | | 85 | | 30-150 | 9 | | 20 | A |
| 4,4'-DDE | 70 | | 79 | | 30-150 | 11 | | 20 | A |
| 4,4'-DDD | 74 | | 81 | | 30-150 | 9 | | 20 | A |
| 4,4'-DDT | 76 | | 83 | | 30-150 | 9 | | 20 | A |
| Endosulfan I | 68 | | 75 | | 30-150 | 10 | | 20 | A |
| Endosulfan II | 76 | | 82 | | 30-150 | 7 | | 20 | A |
| Endosulfan sulfate | 75 | | 80 | | 30-150 | 7 | | 20 | A |
| Methoxychlor | 75 | | 80 | | 30-150 | 7 | | 20 | A |
| cis-Chlordane | 62 | | 69 | | 30-150 | 10 | | 20 | A |
| trans-Chlordane | 68 | | 76 | | 30-150 | 11 | | 20 | A |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** G6-2423
**Project Number:** G6-2423

**Lab Number:** L1911169
**Report Date:** 03/29/19

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 09-11 Batch: WG1219256-2 WG1219256-3 | | | | | | | | |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 60 | | 66 | | 30-150 | A |
| Decachlorobiphenyl | 100 | | 99 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 61 | | 67 | | 30-150 | B |
| Decachlorobiphenyl | 79 | | 80 | | 30-150 | B |

# METALS

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-01 Date Collected: 03/20/19 09:10

Client ID: S-1 Date Received: 03/21/19

Sample Location: NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 85%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Mansfield Lab** | | | | | | | | | | | |
| Aluminum, Total | 10900 | | mg/kg | 9.44 | 2.55 | 2 | 03/22/19 22:09 | 03/25/19 17:17 | EPA 3050B | 1,6010D | PS |
| Antimony, Total | 0.387 | J | mg/kg | 4.72 | 0.359 | 2 | 03/22/19 22:09 | 03/25/19 17:17 | EPA 3050B | 1,6010D | PS |
| Arsenic, Total | 3.96 | | mg/kg | 0.944 | 0.196 | 2 | 03/22/19 22:09 | 03/25/19 17:17 | EPA 3050B | 1,6010D | PS |
| Barium, Total | 31.7 | | mg/kg | 0.944 | 0.164 | 2 | 03/22/19 22:09 | 03/25/19 17:17 | EPA 3050B | 1,6010D | PS |
| Beryllium, Total | 0.406 | J | mg/kg | 0.472 | 0.031 | 2 | 03/22/19 22:09 | 03/25/19 17:17 | EPA 3050B | 1,6010D | PS |
| Cadmium, Total | 0.236 | J | mg/kg | 0.944 | 0.093 | 2 | 03/22/19 22:09 | 03/25/19 17:17 | EPA 3050B | 1,6010D | PS |
| Calcium, Total | 1720 | | mg/kg | 9.44 | 3.30 | 2 | 03/22/19 22:09 | 03/25/19 17:17 | EPA 3050B | 1,6010D | PS |
| Chromium, Total | 11.7 | | mg/kg | 0.944 | 0.091 | 2 | 03/22/19 22:09 | 03/25/19 17:17 | EPA 3050B | 1,6010D | PS |
| Cobalt, Total | 5.38 | | mg/kg | 1.89 | 0.157 | 2 | 03/22/19 22:09 | 03/25/19 17:17 | EPA 3050B | 1,6010D | PS |
| Copper, Total | 16.1 | | mg/kg | 0.944 | 0.244 | 2 | 03/22/19 22:09 | 03/25/19 17:17 | EPA 3050B | 1,6010D | PS |
| Iron, Total | 22100 | | mg/kg | 4.72 | 0.853 | 2 | 03/22/19 22:09 | 03/25/19 17:17 | EPA 3050B | 1,6010D | PS |
| Lead, Total | 10.5 | | mg/kg | 4.72 | 0.253 | 2 | 03/22/19 22:09 | 03/25/19 17:17 | EPA 3050B | 1,6010D | PS |
| Magnesium, Total | 3180 | | mg/kg | 9.44 | 1.45 | 2 | 03/22/19 22:09 | 03/25/19 17:17 | EPA 3050B | 1,6010D | PS |
| Manganese, Total | 189 | | mg/kg | 0.944 | 0.150 | 2 | 03/22/19 22:09 | 03/25/19 17:17 | EPA 3050B | 1,6010D | PS |
| Mercury, Total | ND | | mg/kg | 0.075 | 0.016 | 1 | 03/23/19 07:30 | 03/25/19 15:56 | EPA 7471B | 1,7471B | GD |
| Nickel, Total | 14.1 | | mg/kg | 2.36 | 0.228 | 2 | 03/22/19 22:09 | 03/25/19 17:17 | EPA 3050B | 1,6010D | PS |
| Potassium, Total | 381 | | mg/kg | 236 | 13.6 | 2 | 03/22/19 22:09 | 03/25/19 17:17 | EPA 3050B | 1,6010D | PS |
| Selenium, Total | ND | | mg/kg | 1.89 | 0.244 | 2 | 03/22/19 22:09 | 03/25/19 17:17 | EPA 3050B | 1,6010D | PS |
| Silver, Total | ND | | mg/kg | 0.944 | 0.267 | 2 | 03/22/19 22:09 | 03/25/19 17:17 | EPA 3050B | 1,6010D | PS |
| Sodium, Total | 57.9 | J | mg/kg | 189 | 2.98 | 2 | 03/22/19 22:09 | 03/25/19 17:17 | EPA 3050B | 1,6010D | PS |
| Thallium, Total | ND | | mg/kg | 1.89 | 0.298 | 2 | 03/22/19 22:09 | 03/25/19 17:17 | EPA 3050B | 1,6010D | PS |
| Vanadium, Total | 16.9 | | mg/kg | 0.944 | 0.192 | 2 | 03/22/19 22:09 | 03/25/19 17:17 | EPA 3050B | 1,6010D | PS |
| Zinc, Total | 47.5 | | mg/kg | 4.72 | 0.277 | 2 | 03/22/19 22:09 | 03/25/19 17:17 | EPA 3050B | 1,6010D | PS |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-02 Date Collected: 03/20/19 09:45

Client ID: S-2 Date Received: 03/21/19

Sample Location: NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 86%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Mansfield Lab** | | | | | | | | | | | |
| Aluminum, Total | 10700 | | mg/kg | 8.70 | 2.35 | 2 | 03/22/19 22:09 | 03/25/19 17:22 | EPA 3050B | 1,6010D | PS |
| Antimony, Total | 0.391 | J | mg/kg | 4.35 | 0.330 | 2 | 03/22/19 22:09 | 03/25/19 17:22 | EPA 3050B | 1,6010D | PS |
| Arsenic, Total | 61.0 | | mg/kg | 0.870 | 0.181 | 2 | 03/22/19 22:09 | 03/25/19 17:22 | EPA 3050B | 1,6010D | PS |
| Barium, Total | 53.3 | | mg/kg | 0.870 | 0.151 | 2 | 03/22/19 22:09 | 03/25/19 17:22 | EPA 3050B | 1,6010D | PS |
| Beryllium, Total | 0.435 | | mg/kg | 0.435 | 0.029 | 2 | 03/22/19 22:09 | 03/25/19 17:22 | EPA 3050B | 1,6010D | PS |
| Cadmium, Total | 0.330 | J | mg/kg | 0.870 | 0.085 | 2 | 03/22/19 22:09 | 03/25/19 17:22 | EPA 3050B | 1,6010D | PS |
| Calcium, Total | 1450 | | mg/kg | 8.70 | 3.04 | 2 | 03/22/19 22:09 | 03/25/19 17:22 | EPA 3050B | 1,6010D | PS |
| Chromium, Total | 11.2 | | mg/kg | 0.870 | 0.084 | 2 | 03/22/19 22:09 | 03/25/19 17:22 | EPA 3050B | 1,6010D | PS |
| Cobalt, Total | 8.98 | | mg/kg | 1.74 | 0.144 | 2 | 03/22/19 22:09 | 03/25/19 17:22 | EPA 3050B | 1,6010D | PS |
| Copper, Total | 31.6 | | mg/kg | 0.870 | 0.224 | 2 | 03/22/19 22:09 | 03/25/19 17:22 | EPA 3050B | 1,6010D | PS |
| Iron, Total | 22100 | | mg/kg | 4.35 | 0.786 | 2 | 03/22/19 22:09 | 03/25/19 17:22 | EPA 3050B | 1,6010D | PS |
| Lead, Total | 23.5 | | mg/kg | 4.35 | 0.233 | 2 | 03/22/19 22:09 | 03/25/19 17:22 | EPA 3050B | 1,6010D | PS |
| Magnesium, Total | 3400 | | mg/kg | 8.70 | 1.34 | 2 | 03/22/19 22:09 | 03/25/19 17:22 | EPA 3050B | 1,6010D | PS |
| Manganese, Total | 781 | | mg/kg | 0.870 | 0.138 | 2 | 03/22/19 22:09 | 03/25/19 17:22 | EPA 3050B | 1,6010D | PS |
| Mercury, Total | 0.064 | J | mg/kg | 0.073 | 0.015 | 1 | 03/23/19 07:30 | 03/25/19 16:07 | EPA 7471B | 1,7471B | GD |
| Nickel, Total | 15.8 | | mg/kg | 2.17 | 0.210 | 2 | 03/22/19 22:09 | 03/25/19 17:22 | EPA 3050B | 1,6010D | PS |
| Potassium, Total | 365 | | mg/kg | 217 | 12.5 | 2 | 03/22/19 22:09 | 03/25/19 17:22 | EPA 3050B | 1,6010D | PS |
| Selenium, Total | ND | | mg/kg | 1.74 | 0.224 | 2 | 03/22/19 22:09 | 03/25/19 17:22 | EPA 3050B | 1,6010D | PS |
| Silver, Total | ND | | mg/kg | 0.870 | 0.246 | 2 | 03/22/19 22:09 | 03/25/19 17:22 | EPA 3050B | 1,6010D | PS |
| Sodium, Total | 27.5 | J | mg/kg | 174 | 2.74 | 2 | 03/22/19 22:09 | 03/25/19 17:22 | EPA 3050B | 1,6010D | PS |
| Thallium, Total | 0.304 | J | mg/kg | 1.74 | 0.274 | 2 | 03/22/19 22:09 | 03/25/19 17:22 | EPA 3050B | 1,6010D | PS |
| Vanadium, Total | 15.1 | | mg/kg | 0.870 | 0.176 | 2 | 03/22/19 22:09 | 03/25/19 17:22 | EPA 3050B | 1,6010D | PS |
| Zinc, Total | 72.3 | | mg/kg | 4.35 | 0.255 | 2 | 03/22/19 22:09 | 03/25/19 17:22 | EPA 3050B | 1,6010D | PS |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-03 Date Collected: 03/20/19 10:05

Client ID: S-3 Date Received: 03/21/19

Sample Location: NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 74%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Mansfield Lab** | | | | | | | | | | | |
| Aluminum, Total | 10200 | | mg/kg | 10.6 | 2.85 | 2 | 03/22/19 22:09 | 03/25/19 17:26 | EPA 3050B | 1,6010D | PS |
| Antimony, Total | 0.676 | J | mg/kg | 5.28 | 0.401 | 2 | 03/22/19 22:09 | 03/25/19 17:26 | EPA 3050B | 1,6010D | PS |
| Arsenic, Total | 57.2 | | mg/kg | 1.06 | 0.220 | 2 | 03/22/19 22:09 | 03/25/19 17:26 | EPA 3050B | 1,6010D | PS |
| Barium, Total | 88.1 | | mg/kg | 1.06 | 0.184 | 2 | 03/22/19 22:09 | 03/25/19 17:26 | EPA 3050B | 1,6010D | PS |
| Beryllium, Total | 0.602 | | mg/kg | 0.528 | 0.035 | 2 | 03/22/19 22:09 | 03/25/19 17:26 | EPA 3050B | 1,6010D | PS |
| Cadmium, Total | 0.422 | J | mg/kg | 1.06 | 0.103 | 2 | 03/22/19 22:09 | 03/25/19 17:26 | EPA 3050B | 1,6010D | PS |
| Calcium, Total | 2480 | | mg/kg | 10.6 | 3.69 | 2 | 03/22/19 22:09 | 03/25/19 17:26 | EPA 3050B | 1,6010D | PS |
| Chromium, Total | 11.0 | | mg/kg | 1.06 | 0.101 | 2 | 03/22/19 22:09 | 03/25/19 17:26 | EPA 3050B | 1,6010D | PS |
| Cobalt, Total | 7.01 | | mg/kg | 2.11 | 0.175 | 2 | 03/22/19 22:09 | 03/25/19 17:26 | EPA 3050B | 1,6010D | PS |
| Copper, Total | 21.9 | | mg/kg | 1.06 | 0.272 | 2 | 03/22/19 22:09 | 03/25/19 17:26 | EPA 3050B | 1,6010D | PS |
| Iron, Total | 26700 | | mg/kg | 5.28 | 0.953 | 2 | 03/22/19 22:09 | 03/25/19 17:26 | EPA 3050B | 1,6010D | PS |
| Lead, Total | 15.5 | | mg/kg | 5.28 | 0.283 | 2 | 03/22/19 22:09 | 03/25/19 17:26 | EPA 3050B | 1,6010D | PS |
| Magnesium, Total | 2040 | | mg/kg | 10.6 | 1.62 | 2 | 03/22/19 22:09 | 03/25/19 17:26 | EPA 3050B | 1,6010D | PS |
| Manganese, Total | 1440 | | mg/kg | 1.06 | 0.168 | 2 | 03/22/19 22:09 | 03/25/19 17:26 | EPA 3050B | 1,6010D | PS |
| Mercury, Total | ND | | mg/kg | 0.086 | 0.018 | 1 | 03/23/19 07:30 | 03/25/19 16:09 | EPA 7471B | 1,7471B | GD |
| Nickel, Total | 11.2 | | mg/kg | 2.64 | 0.255 | 2 | 03/22/19 22:09 | 03/25/19 17:26 | EPA 3050B | 1,6010D | PS |
| Potassium, Total | 431 | | mg/kg | 264 | 15.2 | 2 | 03/22/19 22:09 | 03/25/19 17:26 | EPA 3050B | 1,6010D | PS |
| Selenium, Total | 0.686 | J | mg/kg | 2.11 | 0.272 | 2 | 03/22/19 22:09 | 03/25/19 17:26 | EPA 3050B | 1,6010D | PS |
| Silver, Total | ND | | mg/kg | 1.06 | 0.299 | 2 | 03/22/19 22:09 | 03/25/19 17:26 | EPA 3050B | 1,6010D | PS |
| Sodium, Total | 33.7 | J | mg/kg | 211 | 3.32 | 2 | 03/22/19 22:09 | 03/25/19 17:26 | EPA 3050B | 1,6010D | PS |
| Thallium, Total | 1.14 | J | mg/kg | 2.11 | 0.332 | 2 | 03/22/19 22:09 | 03/25/19 17:26 | EPA 3050B | 1,6010D | PS |
| Vanadium, Total | 16.6 | | mg/kg | 1.06 | 0.214 | 2 | 03/22/19 22:09 | 03/25/19 17:26 | EPA 3050B | 1,6010D | PS |
| Zinc, Total | 51.3 | | mg/kg | 5.28 | 0.309 | 2 | 03/22/19 22:09 | 03/25/19 17:26 | EPA 3050B | 1,6010D | PS |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-04 Date Collected: 03/20/19 11:00

Client ID: S-4 Date Received: 03/21/19

Sample Location: NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 81%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Mansfield Lab** | | | | | | | | | | | |
| Aluminum, Total | 13600 | | mg/kg | 9.64 | 2.60 | 2 | 03/22/19 22:09 | 03/25/19 17:31 | EPA 3050B | 1,6010D | PS |
| Antimony, Total | 1.92 | J | mg/kg | 4.82 | 0.366 | 2 | 03/22/19 22:09 | 03/25/19 17:31 | EPA 3050B | 1,6010D | PS |
| Arsenic, Total | 16.8 | | mg/kg | 0.964 | 0.200 | 2 | 03/22/19 22:09 | 03/25/19 17:31 | EPA 3050B | 1,6010D | PS |
| Barium, Total | 48.0 | | mg/kg | 0.964 | 0.168 | 2 | 03/22/19 22:09 | 03/25/19 17:31 | EPA 3050B | 1,6010D | PS |
| Beryllium, Total | 0.588 | | mg/kg | 0.482 | 0.032 | 2 | 03/22/19 22:09 | 03/25/19 17:31 | EPA 3050B | 1,6010D | PS |
| Cadmium, Total | 0.607 | J | mg/kg | 0.964 | 0.094 | 2 | 03/22/19 22:09 | 03/25/19 17:31 | EPA 3050B | 1,6010D | PS |
| Calcium, Total | 6370 | | mg/kg | 9.64 | 3.37 | 2 | 03/22/19 22:09 | 03/25/19 17:31 | EPA 3050B | 1,6010D | PS |
| Chromium, Total | 15.1 | | mg/kg | 0.964 | 0.093 | 2 | 03/22/19 22:09 | 03/25/19 17:31 | EPA 3050B | 1,6010D | PS |
| Cobalt, Total | 9.78 | | mg/kg | 1.93 | 0.160 | 2 | 03/22/19 22:09 | 03/25/19 17:31 | EPA 3050B | 1,6010D | PS |
| Copper, Total | 49.7 | | mg/kg | 0.964 | 0.249 | 2 | 03/22/19 22:09 | 03/25/19 17:31 | EPA 3050B | 1,6010D | PS |
| Iron, Total | 34300 | | mg/kg | 4.82 | 0.870 | 2 | 03/22/19 22:09 | 03/25/19 17:31 | EPA 3050B | 1,6010D | PS |
| Lead, Total | 39.2 | | mg/kg | 4.82 | 0.258 | 2 | 03/22/19 22:09 | 03/25/19 17:31 | EPA 3050B | 1,6010D | PS |
| Magnesium, Total | 6630 | | mg/kg | 9.64 | 1.48 | 2 | 03/22/19 22:09 | 03/25/19 17:31 | EPA 3050B | 1,6010D | PS |
| Manganese, Total | 920 | | mg/kg | 0.964 | 0.153 | 2 | 03/22/19 22:09 | 03/25/19 17:31 | EPA 3050B | 1,6010D | PS |
| Mercury, Total | 0.046 | J | mg/kg | 0.079 | 0.017 | 1 | 03/23/19 07:30 | 03/25/19 16:11 | EPA 7471B | 1,7471B | GD |
| Nickel, Total | 27.5 | | mg/kg | 2.41 | 0.233 | 2 | 03/22/19 22:09 | 03/25/19 17:31 | EPA 3050B | 1,6010D | PS |
| Potassium, Total | 575 | | mg/kg | 241 | 13.9 | 2 | 03/22/19 22:09 | 03/25/19 17:31 | EPA 3050B | 1,6010D | PS |
| Selenium, Total | ND | | mg/kg | 1.93 | 0.249 | 2 | 03/22/19 22:09 | 03/25/19 17:31 | EPA 3050B | 1,6010D | PS |
| Silver, Total | ND | | mg/kg | 0.964 | 0.273 | 2 | 03/22/19 22:09 | 03/25/19 17:31 | EPA 3050B | 1,6010D | PS |
| Sodium, Total | 42.8 | J | mg/kg | 193 | 3.04 | 2 | 03/22/19 22:09 | 03/25/19 17:31 | EPA 3050B | 1,6010D | PS |
| Thallium, Total | 0.559 | J | mg/kg | 1.93 | 0.304 | 2 | 03/22/19 22:09 | 03/25/19 17:31 | EPA 3050B | 1,6010D | PS |
| Vanadium, Total | 22.0 | | mg/kg | 0.964 | 0.196 | 2 | 03/22/19 22:09 | 03/25/19 17:31 | EPA 3050B | 1,6010D | PS |
| Zinc, Total | 152 | | mg/kg | 4.82 | 0.282 | 2 | 03/22/19 22:09 | 03/25/19 17:31 | EPA 3050B | 1,6010D | PS |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-05 Date Collected: 03/20/19 11:20

Client ID: S-5 Date Received: 03/21/19

Sample Location: NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 81%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Mansfield Lab** | | | | | | | | | | | |
| Aluminum, Total | 10300 | | mg/kg | 9.45 | 2.55 | 2 | 03/22/19 22:09 | 03/25/19 17:35 | EPA 3050B | 1,6010D | PS |
| Antimony, Total | 0.690 | J | mg/kg | 4.73 | 0.359 | 2 | 03/22/19 22:09 | 03/25/19 17:35 | EPA 3050B | 1,6010D | PS |
| Arsenic, Total | 6.46 | | mg/kg | 0.945 | 0.197 | 2 | 03/22/19 22:09 | 03/25/19 17:35 | EPA 3050B | 1,6010D | PS |
| Barium, Total | 114 | | mg/kg | 0.945 | 0.164 | 2 | 03/22/19 22:09 | 03/25/19 17:35 | EPA 3050B | 1,6010D | PS |
| Beryllium, Total | 0.293 | J | mg/kg | 0.473 | 0.031 | 2 | 03/22/19 22:09 | 03/25/19 17:35 | EPA 3050B | 1,6010D | PS |
| Cadmium, Total | 0.520 | J | mg/kg | 0.945 | 0.093 | 2 | 03/22/19 22:09 | 03/25/19 17:35 | EPA 3050B | 1,6010D | PS |
| Calcium, Total | 79300 | | mg/kg | 9.45 | 3.31 | 2 | 03/22/19 22:09 | 03/25/19 17:35 | EPA 3050B | 1,6010D | PS |
| Chromium, Total | 20.0 | | mg/kg | 0.945 | 0.091 | 2 | 03/22/19 22:09 | 03/25/19 17:35 | EPA 3050B | 1,6010D | PS |
| Cobalt, Total | 7.66 | | mg/kg | 1.89 | 0.157 | 2 | 03/22/19 22:09 | 03/25/19 17:35 | EPA 3050B | 1,6010D | PS |
| Copper, Total | 35.2 | | mg/kg | 0.945 | 0.244 | 2 | 03/22/19 22:09 | 03/25/19 17:35 | EPA 3050B | 1,6010D | PS |
| Iron, Total | 23600 | | mg/kg | 4.73 | 0.854 | 2 | 03/22/19 22:09 | 03/25/19 17:35 | EPA 3050B | 1,6010D | PS |
| Lead, Total | 159 | | mg/kg | 4.73 | 0.253 | 2 | 03/22/19 22:09 | 03/25/19 17:35 | EPA 3050B | 1,6010D | PS |
| Magnesium, Total | 6340 | | mg/kg | 9.45 | 1.46 | 2 | 03/22/19 22:09 | 03/25/19 17:35 | EPA 3050B | 1,6010D | PS |
| Manganese, Total | 501 | | mg/kg | 0.945 | 0.150 | 2 | 03/22/19 22:09 | 03/25/19 17:35 | EPA 3050B | 1,6010D | PS |
| Mercury, Total | 0.075 | J | mg/kg | 0.077 | 0.016 | 1 | 03/23/19 07:30 | 03/25/19 16:13 | EPA 7471B | 1,7471B | GD |
| Nickel, Total | 21.6 | | mg/kg | 2.36 | 0.229 | 2 | 03/22/19 22:09 | 03/25/19 17:35 | EPA 3050B | 1,6010D | PS |
| Potassium, Total | 533 | | mg/kg | 236 | 13.6 | 2 | 03/22/19 22:09 | 03/25/19 17:35 | EPA 3050B | 1,6010D | PS |
| Selenium, Total | ND | | mg/kg | 1.89 | 0.244 | 2 | 03/22/19 22:09 | 03/25/19 17:35 | EPA 3050B | 1,6010D | PS |
| Silver, Total | ND | | mg/kg | 0.945 | 0.268 | 2 | 03/22/19 22:09 | 03/25/19 17:35 | EPA 3050B | 1,6010D | PS |
| Sodium, Total | 144 | J | mg/kg | 189 | 2.98 | 2 | 03/22/19 22:09 | 03/25/19 17:35 | EPA 3050B | 1,6010D | PS |
| Thallium, Total | ND | | mg/kg | 1.89 | 0.298 | 2 | 03/22/19 22:09 | 03/25/19 17:35 | EPA 3050B | 1,6010D | PS |
| Vanadium, Total | 15.6 | | mg/kg | 0.945 | 0.192 | 2 | 03/22/19 22:09 | 03/25/19 17:35 | EPA 3050B | 1,6010D | PS |
| Zinc, Total | 208 | | mg/kg | 4.73 | 0.277 | 2 | 03/22/19 22:09 | 03/25/19 17:35 | EPA 3050B | 1,6010D | PS |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-06 Date Collected: 03/20/19 11:30

Client ID: S-6 Date Received: 03/21/19

Sample Location: NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 85%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Mansfield Lab** | | | | | | | | | | | |
| Aluminum, Total | 6260 | | mg/kg | 9.11 | 2.46 | 2 | 03/22/19 22:09 | 03/25/19 17:40 | EPA 3050B | 1,6010D | PS |
| Antimony, Total | ND | | mg/kg | 4.55 | 0.346 | 2 | 03/22/19 22:09 | 03/25/19 17:40 | EPA 3050B | 1,6010D | PS |
| Arsenic, Total | 20.1 | | mg/kg | 0.911 | 0.189 | 2 | 03/22/19 22:09 | 03/25/19 17:40 | EPA 3050B | 1,6010D | PS |
| Barium, Total | 30.6 | | mg/kg | 0.911 | 0.158 | 2 | 03/22/19 22:09 | 03/25/19 17:40 | EPA 3050B | 1,6010D | PS |
| Beryllium, Total | 0.319 | J | mg/kg | 0.455 | 0.030 | 2 | 03/22/19 22:09 | 03/25/19 17:40 | EPA 3050B | 1,6010D | PS |
| Cadmium, Total | 0.146 | J | mg/kg | 0.911 | 0.089 | 2 | 03/22/19 22:09 | 03/25/19 17:40 | EPA 3050B | 1,6010D | PS |
| Calcium, Total | 1580 | | mg/kg | 9.11 | 3.19 | 2 | 03/22/19 22:09 | 03/25/19 17:40 | EPA 3050B | 1,6010D | PS |
| Chromium, Total | 5.89 | | mg/kg | 0.911 | 0.087 | 2 | 03/22/19 22:09 | 03/25/19 17:40 | EPA 3050B | 1,6010D | PS |
| Cobalt, Total | 3.35 | | mg/kg | 1.82 | 0.151 | 2 | 03/22/19 22:09 | 03/25/19 17:40 | EPA 3050B | 1,6010D | PS |
| Copper, Total | 53.3 | | mg/kg | 0.911 | 0.235 | 2 | 03/22/19 22:09 | 03/25/19 17:40 | EPA 3050B | 1,6010D | PS |
| Iron, Total | 9000 | | mg/kg | 4.55 | 0.822 | 2 | 03/22/19 22:09 | 03/25/19 17:40 | EPA 3050B | 1,6010D | PS |
| Lead, Total | 10.2 | | mg/kg | 4.55 | 0.244 | 2 | 03/22/19 22:09 | 03/25/19 17:40 | EPA 3050B | 1,6010D | PS |
| Magnesium, Total | 1080 | | mg/kg | 9.11 | 1.40 | 2 | 03/22/19 22:09 | 03/25/19 17:40 | EPA 3050B | 1,6010D | PS |
| Manganese, Total | 112 | | mg/kg | 0.911 | 0.145 | 2 | 03/22/19 22:09 | 03/25/19 17:40 | EPA 3050B | 1,6010D | PS |
| Mercury, Total | ND | | mg/kg | 0.074 | 0.016 | 1 | 03/23/19 07:30 | 03/25/19 16:15 | EPA 7471B | 1,7471B | GD |
| Nickel, Total | 6.13 | | mg/kg | 2.28 | 0.220 | 2 | 03/22/19 22:09 | 03/25/19 17:40 | EPA 3050B | 1,6010D | PS |
| Potassium, Total | 201 | J | mg/kg | 228 | 13.1 | 2 | 03/22/19 22:09 | 03/25/19 17:40 | EPA 3050B | 1,6010D | PS |
| Selenium, Total | 0.273 | J | mg/kg | 1.82 | 0.235 | 2 | 03/22/19 22:09 | 03/25/19 17:40 | EPA 3050B | 1,6010D | PS |
| Silver, Total | ND | | mg/kg | 0.911 | 0.258 | 2 | 03/22/19 22:09 | 03/25/19 17:40 | EPA 3050B | 1,6010D | PS |
| Sodium, Total | 32.1 | J | mg/kg | 182 | 2.87 | 2 | 03/22/19 22:09 | 03/25/19 17:40 | EPA 3050B | 1,6010D | PS |
| Thallium, Total | ND | | mg/kg | 1.82 | 0.287 | 2 | 03/22/19 22:09 | 03/25/19 17:40 | EPA 3050B | 1,6010D | PS |
| Vanadium, Total | 8.93 | | mg/kg | 0.911 | 0.185 | 2 | 03/22/19 22:09 | 03/25/19 17:40 | EPA 3050B | 1,6010D | PS |
| Zinc, Total | 21.1 | | mg/kg | 4.55 | 0.267 | 2 | 03/22/19 22:09 | 03/25/19 17:40 | EPA 3050B | 1,6010D | PS |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-07 Date Collected: 03/20/19 11:50

Client ID: S-7 Date Received: 03/21/19

Sample Location: NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 91%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Mansfield Lab** | | | | | | | | | | | |
| Aluminum, Total | 8980 | | mg/kg | 8.57 | 2.31 | 2 | 03/22/19 22:09 | 03/25/19 17:44 | EPA 3050B | 1,6010D | PS |
| Antimony, Total | 0.480 | J | mg/kg | 4.29 | 0.326 | 2 | 03/22/19 22:09 | 03/25/19 17:44 | EPA 3050B | 1,6010D | PS |
| Arsenic, Total | 2.78 | | mg/kg | 0.857 | 0.178 | 2 | 03/22/19 22:09 | 03/25/19 17:44 | EPA 3050B | 1,6010D | PS |
| Barium, Total | 33.0 | | mg/kg | 0.857 | 0.149 | 2 | 03/22/19 22:09 | 03/25/19 17:44 | EPA 3050B | 1,6010D | PS |
| Beryllium, Total | 0.326 | J | mg/kg | 0.429 | 0.028 | 2 | 03/22/19 22:09 | 03/25/19 17:44 | EPA 3050B | 1,6010D | PS |
| Cadmium, Total | 0.248 | J | mg/kg | 0.857 | 0.084 | 2 | 03/22/19 22:09 | 03/25/19 17:44 | EPA 3050B | 1,6010D | PS |
| Calcium, Total | 3570 | | mg/kg | 8.57 | 3.00 | 2 | 03/22/19 22:09 | 03/25/19 17:44 | EPA 3050B | 1,6010D | PS |
| Chromium, Total | 9.64 | | mg/kg | 0.857 | 0.082 | 2 | 03/22/19 22:09 | 03/25/19 17:44 | EPA 3050B | 1,6010D | PS |
| Cobalt, Total | 7.78 | | mg/kg | 1.71 | 0.142 | 2 | 03/22/19 22:09 | 03/25/19 17:44 | EPA 3050B | 1,6010D | PS |
| Copper, Total | 22.9 | | mg/kg | 0.857 | 0.221 | 2 | 03/22/19 22:09 | 03/25/19 17:44 | EPA 3050B | 1,6010D | PS |
| Iron, Total | 19600 | | mg/kg | 4.29 | 0.774 | 2 | 03/22/19 22:09 | 03/25/19 17:44 | EPA 3050B | 1,6010D | PS |
| Lead, Total | 27.8 | | mg/kg | 4.29 | 0.230 | 2 | 03/22/19 22:09 | 03/25/19 17:44 | EPA 3050B | 1,6010D | PS |
| Magnesium, Total | 4250 | | mg/kg | 8.57 | 1.32 | 2 | 03/22/19 22:09 | 03/25/19 17:44 | EPA 3050B | 1,6010D | PS |
| Manganese, Total | 491 | | mg/kg | 0.857 | 0.136 | 2 | 03/22/19 22:09 | 03/25/19 17:44 | EPA 3050B | 1,6010D | PS |
| Mercury, Total | 0.035 | J | mg/kg | 0.071 | 0.015 | 1 | 03/23/19 07:30 | 03/25/19 16:17 | EPA 7471B | 1,7471B | GD |
| Nickel, Total | 15.5 | | mg/kg | 2.14 | 0.207 | 2 | 03/22/19 22:09 | 03/25/19 17:44 | EPA 3050B | 1,6010D | PS |
| Potassium, Total | 421 | | mg/kg | 214 | 12.3 | 2 | 03/22/19 22:09 | 03/25/19 17:44 | EPA 3050B | 1,6010D | PS |
| Selenium, Total | ND | | mg/kg | 1.71 | 0.221 | 2 | 03/22/19 22:09 | 03/25/19 17:44 | EPA 3050B | 1,6010D | PS |
| Silver, Total | ND | | mg/kg | 0.857 | 0.242 | 2 | 03/22/19 22:09 | 03/25/19 17:44 | EPA 3050B | 1,6010D | PS |
| Sodium, Total | 49.7 | J | mg/kg | 171 | 2.70 | 2 | 03/22/19 22:09 | 03/25/19 17:44 | EPA 3050B | 1,6010D | PS |
| Thallium, Total | ND | | mg/kg | 1.71 | 0.270 | 2 | 03/22/19 22:09 | 03/25/19 17:44 | EPA 3050B | 1,6010D | PS |
| Vanadium, Total | 11.7 | | mg/kg | 0.857 | 0.174 | 2 | 03/22/19 22:09 | 03/25/19 17:44 | EPA 3050B | 1,6010D | PS |
| Zinc, Total | 56.3 | | mg/kg | 4.29 | 0.251 | 2 | 03/22/19 22:09 | 03/25/19 17:44 | EPA 3050B | 1,6010D | PS |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-08 Date Collected: 03/20/19 12:05

Client ID: S-8 Date Received: 03/21/19

Sample Location: NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 86%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Mansfield Lab** | | | | | | | | | | | |
| Aluminum, Total | 9580 | | mg/kg | 9.12 | 2.46 | 2 | 03/22/19 22:09 | 03/25/19 18:12 | EPA 3050B | 1,6010D | PS |
| Antimony, Total | 1.06 | J | mg/kg | 4.56 | 0.347 | 2 | 03/22/19 22:09 | 03/25/19 18:12 | EPA 3050B | 1,6010D | PS |
| Arsenic, Total | 14.1 | | mg/kg | 0.912 | 0.190 | 2 | 03/22/19 22:09 | 03/25/19 18:12 | EPA 3050B | 1,6010D | PS |
| Barium, Total | 63.9 | | mg/kg | 0.912 | 0.159 | 2 | 03/22/19 22:09 | 03/25/19 18:12 | EPA 3050B | 1,6010D | PS |
| Beryllium, Total | 0.511 | | mg/kg | 0.456 | 0.030 | 2 | 03/22/19 22:09 | 03/25/19 18:12 | EPA 3050B | 1,6010D | PS |
| Cadmium, Total | 0.374 | J | mg/kg | 0.912 | 0.089 | 2 | 03/22/19 22:09 | 03/25/19 18:12 | EPA 3050B | 1,6010D | PS |
| Calcium, Total | 2820 | | mg/kg | 9.12 | 3.19 | 2 | 03/22/19 22:09 | 03/25/19 18:12 | EPA 3050B | 1,6010D | PS |
| Chromium, Total | 11.9 | | mg/kg | 0.912 | 0.088 | 2 | 03/22/19 22:09 | 03/25/19 18:12 | EPA 3050B | 1,6010D | PS |
| Cobalt, Total | 11.6 | | mg/kg | 1.82 | 0.151 | 2 | 03/22/19 22:09 | 03/25/19 18:12 | EPA 3050B | 1,6010D | PS |
| Copper, Total | 35.6 | | mg/kg | 0.912 | 0.235 | 2 | 03/22/19 22:09 | 03/25/19 18:12 | EPA 3050B | 1,6010D | PS |
| Iron, Total | 24400 | | mg/kg | 4.56 | 0.824 | 2 | 03/22/19 22:09 | 03/25/19 18:12 | EPA 3050B | 1,6010D | PS |
| Lead, Total | 42.2 | | mg/kg | 4.56 | 0.244 | 2 | 03/22/19 22:09 | 03/25/19 18:12 | EPA 3050B | 1,6010D | PS |
| Magnesium, Total | 3440 | | mg/kg | 9.12 | 1.40 | 2 | 03/22/19 22:09 | 03/25/19 18:12 | EPA 3050B | 1,6010D | PS |
| Manganese, Total | 876 | | mg/kg | 0.912 | 0.145 | 2 | 03/22/19 22:09 | 03/25/19 18:12 | EPA 3050B | 1,6010D | PS |
| Mercury, Total | 0.125 | | mg/kg | 0.073 | 0.016 | 1 | 03/23/19 07:30 | 03/25/19 16:18 | EPA 7471B | 1,7471B | GD |
| Nickel, Total | 21.7 | | mg/kg | 2.28 | 0.221 | 2 | 03/22/19 22:09 | 03/25/19 18:12 | EPA 3050B | 1,6010D | PS |
| Potassium, Total | 616 | | mg/kg | 228 | 13.1 | 2 | 03/22/19 22:09 | 03/25/19 18:12 | EPA 3050B | 1,6010D | PS |
| Selenium, Total | 0.292 | J | mg/kg | 1.82 | 0.235 | 2 | 03/22/19 22:09 | 03/25/19 18:12 | EPA 3050B | 1,6010D | PS |
| Silver, Total | ND | | mg/kg | 0.912 | 0.258 | 2 | 03/22/19 22:09 | 03/25/19 18:12 | EPA 3050B | 1,6010D | PS |
| Sodium, Total | 39.2 | J | mg/kg | 182 | 2.87 | 2 | 03/22/19 22:09 | 03/25/19 18:12 | EPA 3050B | 1,6010D | PS |
| Thallium, Total | 0.338 | J | mg/kg | 1.82 | 0.287 | 2 | 03/22/19 22:09 | 03/25/19 18:12 | EPA 3050B | 1,6010D | PS |
| Vanadium, Total | 15.9 | | mg/kg | 0.912 | 0.185 | 2 | 03/22/19 22:09 | 03/25/19 18:12 | EPA 3050B | 1,6010D | PS |
| Zinc, Total | 72.2 | | mg/kg | 4.56 | 0.267 | 2 | 03/22/19 22:09 | 03/25/19 18:12 | EPA 3050B | 1,6010D | PS |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-09 Date Collected: 03/20/19 10:45

Client ID: TWP-1 Date Received: 03/21/19

Sample Location: NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Mansfield Lab** | | | | | | | | | | | |
| Aluminum, Total | 168. | | mg/l | 0.500 | 0.164 | 50 | 03/22/19 18:53 | 03/25/19 12:38 | EPA 3005A | 1,6020B | AM |
| Antimony, Total | ND | | mg/l | 0.00400 | 0.00042 | 1 | 03/22/19 18:53 | 03/25/19 11:48 | EPA 3005A | 1,6020B | AM |
| Arsenic, Total | 0.04637 | | mg/l | 0.00050 | 0.00016 | 1 | 03/22/19 18:53 | 03/25/19 11:48 | EPA 3005A | 1,6020B | AM |
| Barium, Total | 1.840 | | mg/l | 0.02500 | 0.00865 | 50 | 03/22/19 18:53 | 03/25/19 12:38 | EPA 3005A | 1,6020B | AM |
| Beryllium, Total | 0.01012 | | mg/l | 0.00050 | 0.00010 | 1 | 03/22/19 18:53 | 03/25/19 11:48 | EPA 3005A | 1,6020B | AM |
| Cadmium, Total | 0.00266 | | mg/l | 0.00020 | 0.00005 | 1 | 03/22/19 18:53 | 03/25/19 11:48 | EPA 3005A | 1,6020B | AM |
| Calcium, Total | 221. | | mg/l | 0.100 | 0.0394 | 1 | 03/22/19 18:53 | 03/25/19 11:48 | EPA 3005A | 1,6020B | AM |
| Chromium, Total | 0.1476 | | mg/l | 0.00100 | 0.00017 | 1 | 03/22/19 18:53 | 03/25/19 11:48 | EPA 3005A | 1,6020B | AM |
| Cobalt, Total | 0.1347 | | mg/l | 0.00050 | 0.00016 | 1 | 03/22/19 18:53 | 03/25/19 11:48 | EPA 3005A | 1,6020B | AM |
| Copper, Total | 0.2585 | | mg/l | 0.00100 | 0.00038 | 1 | 03/22/19 18:53 | 03/25/19 11:48 | EPA 3005A | 1,6020B | AM |
| Iron, Total | 187. | | mg/l | 3.00 | 0.955 | 50 | 03/22/19 18:53 | 03/25/19 12:38 | EPA 3005A | 1,6020B | AM |
| Lead, Total | 0.3327 | | mg/l | 0.00100 | 0.00034 | 1 | 03/22/19 18:53 | 03/25/19 11:48 | EPA 3005A | 1,6020B | AM |
| Magnesium, Total | 59.4 | | mg/l | 0.0700 | 0.0242 | 1 | 03/22/19 18:53 | 03/25/19 11:48 | EPA 3005A | 1,6020B | AM |
| Manganese, Total | 5.584 | | mg/l | 0.05000 | 0.02200 | 50 | 03/22/19 18:53 | 03/25/19 12:38 | EPA 3005A | 1,6020B | AM |
| Mercury, Total | 0.00011 | J | mg/l | 0.00020 | 0.00006 | 1 | 03/22/19 14:20 | 03/25/19 18:19 | EPA 7470A | 1,7470A | EA |
| Nickel, Total | 0.2662 | | mg/l | 0.00200 | 0.00055 | 1 | 03/22/19 18:53 | 03/25/19 11:48 | EPA 3005A | 1,6020B | AM |
| Potassium, Total | 13.8 | | mg/l | 0.100 | 0.0309 | 1 | 03/22/19 18:53 | 03/25/19 11:48 | EPA 3005A | 1,6020B | AM |
| Selenium, Total | 0.100 | | mg/l | 0.00500 | 0.00173 | 1 | 03/22/19 18:53 | 03/25/19 11:48 | EPA 3005A | 1,6020B | AM |
| Silver, Total | 0.00152 | | mg/l | 0.00040 | 0.00016 | 1 | 03/22/19 18:53 | 03/25/19 11:48 | EPA 3005A | 1,6020B | AM |
| Sodium, Total | 57.7 | | mg/l | 0.100 | 0.0293 | 1 | 03/22/19 18:53 | 03/25/19 11:48 | EPA 3005A | 1,6020B | AM |
| Thallium, Total | 0.00043 | J | mg/l | 0.00050 | 0.00014 | 1 | 03/22/19 18:53 | 03/25/19 11:48 | EPA 3005A | 1,6020B | AM |
| Vanadium, Total | 0.08790 | | mg/l | 0.00500 | 0.00157 | 1 | 03/22/19 18:53 | 03/25/19 11:48 | EPA 3005A | 1,6020B | AM |
| Zinc, Total | 1.308 | | mg/l | 0.5000 | 0.1705 | 50 | 03/22/19 18:53 | 03/25/19 12:38 | EPA 3005A | 1,6020B | AM |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-10 Date Collected: 03/20/19 11:35

Client ID: TWP-3 Date Received: 03/21/19

Sample Location: NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Mansfield Lab** | | | | | | | | | | | |
| Aluminum, Total | 9.88 | | mg/l | 0.0100 | 0.00327 | 1 | 03/22/19 18:53 | 03/25/19 11:52 | EPA 3005A | 1,6020B | AM |
| Antimony, Total | ND | | mg/l | 0.00400 | 0.00042 | 1 | 03/22/19 18:53 | 03/25/19 11:52 | EPA 3005A | 1,6020B | AM |
| Arsenic, Total | 0.01443 | | mg/l | 0.00050 | 0.00016 | 1 | 03/22/19 18:53 | 03/25/19 11:52 | EPA 3005A | 1,6020B | AM |
| Barium, Total | 0.1060 | | mg/l | 0.00050 | 0.00017 | 1 | 03/22/19 18:53 | 03/25/19 11:52 | EPA 3005A | 1,6020B | AM |
| Beryllium, Total | 0.00082 | | mg/l | 0.00050 | 0.00010 | 1 | 03/22/19 18:53 | 03/25/19 11:52 | EPA 3005A | 1,6020B | AM |
| Cadmium, Total | 0.00147 | | mg/l | 0.00020 | 0.00005 | 1 | 03/22/19 18:53 | 03/25/19 11:52 | EPA 3005A | 1,6020B | AM |
| Calcium, Total | 297. | | mg/l | 0.100 | 0.0394 | 1 | 03/22/19 18:53 | 03/25/19 11:52 | EPA 3005A | 1,6020B | AM |
| Chromium, Total | 0.01514 | | mg/l | 0.00100 | 0.00017 | 1 | 03/22/19 18:53 | 03/25/19 11:52 | EPA 3005A | 1,6020B | AM |
| Cobalt, Total | 0.02005 | | mg/l | 0.00050 | 0.00016 | 1 | 03/22/19 18:53 | 03/25/19 11:52 | EPA 3005A | 1,6020B | AM |
| Copper, Total | 0.02024 | | mg/l | 0.00100 | 0.00038 | 1 | 03/22/19 18:53 | 03/25/19 11:52 | EPA 3005A | 1,6020B | AM |
| Iron, Total | 26.8 | | mg/l | 0.0600 | 0.0191 | 1 | 03/22/19 18:53 | 03/25/19 11:52 | EPA 3005A | 1,6020B | AM |
| Lead, Total | 0.02918 | | mg/l | 0.00100 | 0.00034 | 1 | 03/22/19 18:53 | 03/25/19 11:52 | EPA 3005A | 1,6020B | AM |
| Magnesium, Total | 31.6 | | mg/l | 0.0700 | 0.0242 | 1 | 03/22/19 18:53 | 03/25/19 11:52 | EPA 3005A | 1,6020B | AM |
| Manganese, Total | 5.746 | | mg/l | 0.05000 | 0.02200 | 50 | 03/22/19 18:53 | 03/25/19 13:22 | EPA 3005A | 1,6020B | AM |
| Mercury, Total | ND | | mg/l | 0.00020 | 0.00006 | 1 | 03/22/19 14:20 | 03/25/19 18:24 | EPA 7470A | 1,7470A | EA |
| Nickel, Total | 0.03961 | | mg/l | 0.00200 | 0.00055 | 1 | 03/22/19 18:53 | 03/25/19 11:52 | EPA 3005A | 1,6020B | AM |
| Potassium, Total | 30.0 | | mg/l | 0.100 | 0.0309 | 1 | 03/22/19 18:53 | 03/25/19 11:52 | EPA 3005A | 1,6020B | AM |
| Selenium, Total | 0.00887 | | mg/l | 0.00500 | 0.00173 | 1 | 03/22/19 18:53 | 03/25/19 11:52 | EPA 3005A | 1,6020B | AM |
| Silver, Total | 0.00018 | J | mg/l | 0.00040 | 0.00016 | 1 | 03/22/19 18:53 | 03/25/19 11:52 | EPA 3005A | 1,6020B | AM |
| Sodium, Total | 16.9 | | mg/l | 0.350 | 0.0293 | 1 | 03/22/19 18:53 | 03/25/19 11:52 | EPA 3005A | 1,6020B | AM |
| Thallium, Total | ND | | mg/l | 0.00050 | 0.00014 | 1 | 03/22/19 18:53 | 03/25/19 11:52 | EPA 3005A | 1,6020B | AM |
| Vanadium, Total | 0.01857 | | mg/l | 0.00500 | 0.00157 | 1 | 03/22/19 18:53 | 03/25/19 11:52 | EPA 3005A | 1,6020B | AM |
| Zinc, Total | 0.06466 | | mg/l | 0.01000 | 0.00341 | 1 | 03/22/19 18:53 | 03/25/19 11:52 | EPA 3005A | 1,6020B | AM |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-11 Date Collected: 03/20/19 12:25

Client ID: TWP-8 Date Received: 03/21/19

Sample Location: NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Mansfield Lab** | | | | | | | | | | | |
| Aluminum, Total | 288. | | mg/l | 1.00 | 0.327 | 50 | 03/22/19 18:53 | 03/25/19 13:36 | EPA 3005A | 1,6020B | AM |
| Antimony, Total | 0.00203 | J | mg/l | 0.00800 | 0.00085 | 1 | 03/22/19 18:53 | 03/25/19 11:56 | EPA 3005A | 1,6020B | AM |
| Arsenic, Total | 0.5491 | | mg/l | 0.00100 | 0.00033 | 1 | 03/22/19 18:53 | 03/25/19 11:56 | EPA 3005A | 1,6020B | AM |
| Barium, Total | 7.488 | | mg/l | 0.05000 | 0.01730 | 50 | 03/22/19 18:53 | 03/25/19 13:36 | EPA 3005A | 1,6020B | AM |
| Beryllium, Total | 0.00849 | | mg/l | 0.00100 | 0.00021 | 1 | 03/22/19 18:53 | 03/25/19 11:56 | EPA 3005A | 1,6020B | AM |
| Cadmium, Total | 0.00866 | | mg/l | 0.00040 | 0.00011 | 1 | 03/22/19 18:53 | 03/25/19 11:56 | EPA 3005A | 1,6020B | AM |
| Calcium, Total | 3180 | | mg/l | 10.0 | 3.94 | 50 | 03/22/19 18:53 | 03/25/19 13:36 | EPA 3005A | 1,6020B | AM |
| Chromium, Total | 0.3891 | | mg/l | 0.00200 | 0.00035 | 1 | 03/22/19 18:53 | 03/25/19 11:56 | EPA 3005A | 1,6020B | AM |
| Cobalt, Total | 0.4756 | | mg/l | 0.00100 | 0.00032 | 1 | 03/22/19 18:53 | 03/25/19 11:56 | EPA 3005A | 1,6020B | AM |
| Copper, Total | 2.350 | | mg/l | 0.1000 | 0.03840 | 50 | 03/22/19 18:53 | 03/25/19 13:36 | EPA 3005A | 1,6020B | AM |
| Iron, Total | 903. | | mg/l | 5.00 | 1.91 | 50 | 03/22/19 18:53 | 03/25/19 13:36 | EPA 3005A | 1,6020B | AM |
| Lead, Total | 1.092 | | mg/l | 0.1000 | 0.03430 | 50 | 03/22/19 18:53 | 03/25/19 13:36 | EPA 3005A | 1,6020B | AM |
| Magnesium, Total | 205. | | mg/l | 0.140 | 0.0484 | 1 | 03/22/19 18:53 | 03/25/19 11:56 | EPA 3005A | 1,6020B | AM |
| Manganese, Total | 72.50 | | mg/l | 0.1000 | 0.04400 | 50 | 03/22/19 18:53 | 03/25/19 13:36 | EPA 3005A | 1,6020B | AM |
| Mercury, Total | 0.00015 | J | mg/l | 0.00020 | 0.00006 | 1 | 03/22/19 14:20 | 03/25/19 18:26 | EPA 7470A | 1,7470A | EA |
| Nickel, Total | 0.7662 | | mg/l | 0.00400 | 0.00111 | 1 | 03/22/19 18:53 | 03/25/19 11:56 | EPA 3005A | 1,6020B | AM |
| Potassium, Total | 22.1 | | mg/l | 0.200 | 0.0618 | 1 | 03/22/19 18:53 | 03/25/19 11:56 | EPA 3005A | 1,6020B | AM |
| Selenium, Total | 0.0859 | | mg/l | 0.0100 | 0.00346 | 1 | 03/22/19 18:53 | 03/25/19 11:56 | EPA 3005A | 1,6020B | AM |
| Silver, Total | 0.00403 | | mg/l | 0.00080 | 0.00032 | 1 | 03/22/19 18:53 | 03/25/19 11:56 | EPA 3005A | 1,6020B | AM |
| Sodium, Total | 57.0 | | mg/l | 0.200 | 0.0586 | 1 | 03/22/19 18:53 | 03/25/19 11:56 | EPA 3005A | 1,6020B | AM |
| Thallium, Total | 0.00194 | | mg/l | 0.00100 | 0.00028 | 1 | 03/22/19 18:53 | 03/25/19 11:56 | EPA 3005A | 1,6020B | AM |
| Vanadium, Total | 0.3111 | | mg/l | 0.01000 | 0.00314 | 1 | 03/22/19 18:53 | 03/25/19 11:56 | EPA 3005A | 1,6020B | AM |
| Zinc, Total | 4.470 | | mg/l | 1.000 | 0.3410 | 50 | 03/22/19 18:53 | 03/25/19 13:36 | EPA 3005A | 1,6020B | AM |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

# Method Blank Analysis
# Batch Quality Control

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Metals - Mansfield Lab for sample(s): 09-11 Batch: WG1218583-1 | | | | | | | | | | |
| Mercury, Total | ND | | mg/l | 0.00020 | 0.00006 | 1 | 03/22/19 14:20 | 03/25/19 17:45 | 1,7470A | EA |

**Prep Information**

Digestion Method: EPA 7470A

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Metals - Mansfield Lab for sample(s): 09-11 Batch: WG1218673-1 | | | | | | | | | | |
| Aluminum, Total | ND | | mg/l | 0.0100 | 0.00327 | 1 | 03/22/19 18:53 | 03/25/19 09:13 | 1,6020B | AM |
| Antimony, Total | 0.00069 | J | mg/l | 0.00400 | 0.00042 | 1 | 03/22/19 18:53 | 03/25/19 09:13 | 1,6020B | AM |
| Arsenic, Total | ND | | mg/l | 0.00050 | 0.00016 | 1 | 03/22/19 18:53 | 03/25/19 09:13 | 1,6020B | AM |
| Barium, Total | ND | | mg/l | 0.00050 | 0.00017 | 1 | 03/22/19 18:53 | 03/25/19 09:13 | 1,6020B | AM |
| Beryllium, Total | ND | | mg/l | 0.00050 | 0.00010 | 1 | 03/22/19 18:53 | 03/25/19 09:13 | 1,6020B | AM |
| Cadmium, Total | ND | | mg/l | 0.00020 | 0.00005 | 1 | 03/22/19 18:53 | 03/25/19 09:13 | 1,6020B | AM |
| Calcium, Total | ND | | mg/l | 0.100 | 0.0394 | 1 | 03/22/19 18:53 | 03/25/19 09:13 | 1,6020B | AM |
| Chromium, Total | ND | | mg/l | 0.00100 | 0.00017 | 1 | 03/22/19 18:53 | 03/25/19 09:13 | 1,6020B | AM |
| Cobalt, Total | ND | | mg/l | 0.00050 | 0.00016 | 1 | 03/22/19 18:53 | 03/25/19 09:13 | 1,6020B | AM |
| Copper, Total | ND | | mg/l | 0.00100 | 0.00038 | 1 | 03/22/19 18:53 | 03/25/19 09:13 | 1,6020B | AM |
| Iron, Total | 0.0431 | J | mg/l | 0.0600 | 0.0191 | 1 | 03/22/19 18:53 | 03/25/19 09:13 | 1,6020B | AM |
| Lead, Total | ND | | mg/l | 0.00100 | 0.00034 | 1 | 03/22/19 18:53 | 03/25/19 09:13 | 1,6020B | AM |
| Magnesium, Total | ND | | mg/l | 0.0700 | 0.0242 | 1 | 03/22/19 18:53 | 03/25/19 09:13 | 1,6020B | AM |
| Manganese, Total | ND | | mg/l | 0.00100 | 0.00044 | 1 | 03/22/19 18:53 | 03/25/19 09:13 | 1,6020B | AM |
| Nickel, Total | ND | | mg/l | 0.00200 | 0.00055 | 1 | 03/22/19 18:53 | 03/25/19 09:13 | 1,6020B | AM |
| Potassium, Total | ND | | mg/l | 0.100 | 0.0309 | 1 | 03/22/19 18:53 | 03/25/19 09:13 | 1,6020B | AM |
| Selenium, Total | ND | | mg/l | 0.00500 | 0.00173 | 1 | 03/22/19 18:53 | 03/25/19 09:13 | 1,6020B | AM |
| Silver, Total | ND | | mg/l | 0.00040 | 0.00016 | 1 | 03/22/19 18:53 | 03/25/19 09:13 | 1,6020B | AM |
| Sodium, Total | ND | | mg/l | 0.350 | 0.0293 | 1 | 03/22/19 18:53 | 03/25/19 09:13 | 1,6020B | AM |
| Thallium, Total | 0.00032 | J | mg/l | 0.00050 | 0.00014 | 1 | 03/22/19 18:53 | 03/25/19 09:13 | 1,6020B | AM |
| Vanadium, Total | ND | | mg/l | 0.00500 | 0.00157 | 1 | 03/22/19 18:53 | 03/25/19 09:13 | 1,6020B | AM |
| Zinc, Total | ND | | mg/l | 0.01000 | 0.00341 | 1 | 03/22/19 18:53 | 03/25/19 09:13 | 1,6020B | AM |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

# Method Blank Analysis
# Batch Quality Control

**Prep Information**

Digestion Method: EPA 3005A

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Metals - Mansfield Lab for sample(s): 01-08 Batch: WG1218701-1 | | | | | | | | | | |
| Aluminum, Total | ND | | mg/kg | 4.00 | 1.08 | 1 | 03/22/19 22:09 | 03/27/19 00:55 | 1,6010D | AB |
| Antimony, Total | ND | | mg/kg | 2.00 | 0.152 | 1 | 03/22/19 22:09 | 03/26/19 20:50 | 1,6010D | AB |
| Arsenic, Total | 0.108 | J | mg/kg | 0.400 | 0.083 | 1 | 03/22/19 22:09 | 03/26/19 20:50 | 1,6010D | AB |
| Barium, Total | ND | | mg/kg | 0.400 | 0.070 | 1 | 03/22/19 22:09 | 03/26/19 20:50 | 1,6010D | AB |
| Beryllium, Total | ND | | mg/kg | 0.200 | 0.013 | 1 | 03/22/19 22:09 | 03/26/19 20:50 | 1,6010D | AB |
| Cadmium, Total | ND | | mg/kg | 0.400 | 0.039 | 1 | 03/22/19 22:09 | 03/26/19 20:50 | 1,6010D | AB |
| Calcium, Total | ND | | mg/kg | 4.00 | 1.40 | 1 | 03/22/19 22:09 | 03/26/19 20:50 | 1,6010D | AB |
| Chromium, Total | ND | | mg/kg | 0.400 | 0.038 | 1 | 03/22/19 22:09 | 03/26/19 20:50 | 1,6010D | AB |
| Cobalt, Total | ND | | mg/kg | 0.800 | 0.066 | 1 | 03/22/19 22:09 | 03/26/19 20:50 | 1,6010D | AB |
| Copper, Total | 0.200 | J | mg/kg | 0.400 | 0.103 | 1 | 03/22/19 22:09 | 03/26/19 20:50 | 1,6010D | AB |
| Iron, Total | 0.396 | J | mg/kg | 2.00 | 0.361 | 1 | 03/22/19 22:09 | 03/27/19 00:55 | 1,6010D | AB |
| Lead, Total | ND | | mg/kg | 2.00 | 0.107 | 1 | 03/22/19 22:09 | 03/25/19 13:23 | 1,6010D | PS |
| Magnesium, Total | ND | | mg/kg | 4.00 | 0.616 | 1 | 03/22/19 22:09 | 03/26/19 20:50 | 1,6010D | AB |
| Manganese, Total | 0.108 | J | mg/kg | 0.400 | 0.064 | 1 | 03/22/19 22:09 | 03/26/19 20:50 | 1,6010D | AB |
| Nickel, Total | ND | | mg/kg | 1.00 | 0.097 | 1 | 03/22/19 22:09 | 03/26/19 20:50 | 1,6010D | AB |
| Potassium, Total | ND | | mg/kg | 100 | 5.76 | 1 | 03/22/19 22:09 | 03/26/19 20:50 | 1,6010D | AB |
| Selenium, Total | ND | | mg/kg | 0.800 | 0.103 | 1 | 03/22/19 22:09 | 03/26/19 20:50 | 1,6010D | AB |
| Silver, Total | ND | | mg/kg | 0.400 | 0.113 | 1 | 03/22/19 22:09 | 03/26/19 20:50 | 1,6010D | AB |
| Sodium, Total | ND | | mg/kg | 80.0 | 1.26 | 1 | 03/22/19 22:09 | 03/26/19 20:50 | 1,6010D | AB |
| Thallium, Total | ND | | mg/kg | 0.800 | 0.126 | 1 | 03/22/19 22:09 | 03/26/19 20:50 | 1,6010D | AB |
| Vanadium, Total | ND | | mg/kg | 0.400 | 0.081 | 1 | 03/22/19 22:09 | 03/26/19 20:50 | 1,6010D | AB |
| Zinc, Total | ND | | mg/kg | 2.00 | 0.117 | 1 | 03/22/19 22:09 | 03/26/19 20:50 | 1,6010D | AB |

**Prep Information**

Digestion Method: EPA 3050B

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

# Method Blank Analysis
# Batch Quality Control

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Metals - Mansfield Lab for sample(s): 01-08 Batch: WG1218781-1 | | | | | | | | | | |
| Mercury, Total | ND | | mg/kg | 0.083 | 0.018 | 1 | 03/23/19 07:30 | 03/25/19 15:52 | 1,7471B | GD |

**Prep Information**

Digestion Method: EPA 7471B

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** G6-2423

**Project Number:** G6-2423

**Lab Number:** L1911169

**Report Date:** 03/29/19

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Total Metals - Mansfield Lab Associated sample(s): 09-11 Batch: WG1218583-2 | | | | | | | | |
| Mercury, Total | 108 | | - | | 80-120 | - | | |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** G6-2423
**Project Number:** G6-2423

**Lab Number:** L1911169
**Report Date:** 03/29/19

| Parameter | LCS %Recovery | LCSD %Recovery | %Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|
| Total Metals - Mansfield Lab Associated sample(s): 09-11 Batch: WG1218673-2 | | | | | |
| Aluminum, Total | 109 | - | 80-120 | - | |
| Antimony, Total | 110 | - | 80-120 | - | |
| Arsenic, Total | 111 | - | 80-120 | - | |
| Barium, Total | 107 | - | 80-120 | - | |
| Beryllium, Total | 113 | - | 80-120 | - | |
| Cadmium, Total | 107 | - | 80-120 | - | |
| Calcium, Total | 108 | - | 80-120 | - | |
| Chromium, Total | 110 | - | 80-120 | - | |
| Cobalt, Total | 106 | - | 80-120 | - | |
| Copper, Total | 105 | - | 80-120 | - | |
| Iron, Total | 104 | - | 80-120 | - | |
| Lead, Total | 106 | - | 80-120 | - | |
| Magnesium, Total | 114 | - | 80-120 | - | |
| Manganese, Total | 105 | - | 80-120 | - | |
| Nickel, Total | 109 | - | 80-120 | - | |
| Potassium, Total | 105 | - | 80-120 | - | |
| Selenium, Total | 110 | - | 80-120 | - | |
| Silver, Total | 118 | - | 80-120 | - | |
| Sodium, Total | 112 | - | 80-120 | - | |
| Thallium, Total | 107 | - | 80-120 | - | |
| Vanadium, Total | 109 | - | 80-120 | - | |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** G6-2423

**Project Number:** G6-2423

**Lab Number:** L1911169

**Report Date:** 03/29/19

| Parameter | LCS %Recovery | LCSD %Recovery | %Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|
| Total Metals - Mansfield Lab Associated sample(s): 09-11 Batch: WG1218673-2 | | | | | |
| Zinc, Total | 111 | - | 80-120 | - | |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** G6-2423
**Project Number:** G6-2423

**Lab Number:** L1911169
**Report Date:** 03/29/19

| Parameter | LCS %Recovery | LCSD %Recovery | %Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|
| Total Metals - Mansfield Lab Associated sample(s): 01-08 Batch: WG1218701-2 SRM Lot Number: D101-540 | | | | | |
| Aluminum, Total | 68 | - | 50-151 | - | |
| Antimony, Total | 144 | - | 3-196 | - | |
| Arsenic, Total | 105 | - | 83-117 | - | |
| Barium, Total | 91 | - | 83-118 | - | |
| Beryllium, Total | 93 | - | 83-117 | - | |
| Cadmium, Total | 101 | - | 83-117 | - | |
| Calcium, Total | 93 | - | 81-119 | - | |
| Chromium, Total | 99 | - | 81-118 | - | |
| Cobalt, Total | 102 | - | 84-116 | - | |
| Copper, Total | 97 | - | 83-116 | - | |
| Iron, Total | 96 | - | 62-138 | - | |
| Lead, Total | 97 | - | 83-117 | - | |
| Magnesium, Total | 91 | - | 76-124 | - | |
| Manganese, Total | 97 | - | 82-118 | - | |
| Nickel, Total | 101 | - | 82-117 | - | |
| Potassium, Total | 84 | - | 71-130 | - | |
| Selenium, Total | 100 | - | 79-121 | - | |
| Silver, Total | 100 | - | 80-120 | - | |
| Sodium, Total | 103 | - | 72-127 | - | |
| Thallium, Total | 101 | - | 81-119 | - | |
| Vanadium, Total | 102 | - | 79-121 | - | |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** G6-2423
**Project Number:** G6-2423

**Lab Number:** L1911169
**Report Date:** 03/29/19

| Parameter | LCS %Recovery | LCSD %Recovery | %Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|
| Total Metals - Mansfield Lab Associated sample(s): 01-08 Batch: WG1218701-2 SRM Lot Number: D101-540 | | | | | |
| Zinc, Total | 102 | - | 81-119 | - | |
| Total Metals - Mansfield Lab Associated sample(s): 01-08 Batch: WG1218781-2 SRM Lot Number: D101-540 | | | | | |
| Mercury, Total | 84 | - | 65-135 | - | |

# Matrix Spike Analysis
## Batch Quality Control

**Project Name:** G6-2423
**Project Number:** G6-2423

**Lab Number:** L1911169
**Report Date:** 03/29/19

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Metals - Mansfield Lab Associated sample(s): 09-11 QC Batch ID: WG1218583-3 QC Sample: L1910719-10 Client ID: MS Sample | | | | | | | | | | | | |
| Mercury, Total | ND | 0.005 | 0.00543 | 109 | | - | - | | 75-125 | - | | 20 |

# Matrix Spike Analysis
## Batch Quality Control

**Project Name:** G6-2423
**Project Number:** G6-2423

**Lab Number:** L1911169
**Report Date:** 03/29/19

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | | MSD Found | MSD %Recovery | Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Metals - Mansfield Lab Associated sample(s): 09-11 QC Batch ID: WG1218673-3 QC Sample: L1911137-01 Client ID: MS Sample | | | | | | | | | | |
| Aluminum, Total | 0.014 | 2 | 2.08 | 103 | | - | - | 75-125 | - | 20 |
| Antimony, Total | 0.0012J | 0.5 | 0.5937 | 119 | | - | - | 75-125 | - | 20 |
| Arsenic, Total | 0.0003J | 0.12 | 0.1347 | 112 | | - | - | 75-125 | - | 20 |
| Barium, Total | 0.0367 | 2 | 2.160 | 106 | | - | - | 75-125 | - | 20 |
| Beryllium, Total | ND | 0.05 | 0.05471 | 109 | | - | - | 75-125 | - | 20 |
| Cadmium, Total | ND | 0.051 | 0.05814 | 114 | | - | - | 75-125 | - | 20 |
| Calcium, Total | 34.1 | 10 | 43.8 | 97 | | - | - | 75-125 | - | 20 |
| Chromium, Total | 0.0003J | 0.2 | 0.2091 | 104 | | - | - | 75-125 | - | 20 |
| Cobalt, Total | ND | 0.5 | 0.5250 | 105 | | - | - | 75-125 | - | 20 |
| Copper, Total | 0.0007J | 0.25 | 0.2572 | 103 | | - | - | 75-125 | - | 20 |
| Iron, Total | 0.103 | 1 | 1.36 | **126** | Q | - | - | 75-125 | - | 20 |
| Lead, Total | ND | 0.51 | 0.5803 | 114 | | - | - | 75-125 | - | 20 |
| Magnesium, Total | 6.77 | 10 | 17.4 | 106 | | - | - | 75-125 | - | 20 |
| Manganese, Total | 0.0183 | 0.5 | 0.5241 | 101 | | - | - | 75-125 | - | 20 |
| Nickel, Total | 0.0021 | 0.5 | 0.5161 | 103 | | - | - | 75-125 | - | 20 |
| Potassium, Total | 0.651 | 10 | 10.7 | 100 | | - | - | 75-125 | - | 20 |
| Selenium, Total | ND | 0.12 | 0.138 | 115 | | - | - | 75-125 | - | 20 |
| Silver, Total | ND | 0.05 | 0.05508 | 110 | | - | - | 75-125 | - | 20 |
| Sodium, Total | 10.4 | 10 | 20.4 | 100 | | - | - | 75-125 | - | 20 |
| Thallium, Total | ND | 0.12 | 0.1262 | 105 | | - | - | 75-125 | - | 20 |
| Vanadium, Total | ND | 0.5 | 0.5192 | 104 | | - | - | 75-125 | - | 20 |

# Matrix Spike Analysis
## Batch Quality Control

**Project Name:** G6-2423
**Project Number:** G6-2423

**Lab Number:** L1911169
**Report Date:** 03/29/19

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | MSD Found | MSD %Recovery | Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|
| Total Metals - Mansfield Lab Associated sample(s): 09-11 QC Batch ID: WG1218673-3 QC Sample: L1911137-01 Client ID: MS Sample | | | | | | | | | |
| Zinc, Total | 0.0836 | 0.5 | 0.6392 | 111 | - | - | 75-125 | - | 20 |

# Matrix Spike Analysis
## Batch Quality Control

**Project Name:** G6-2423
**Project Number:** G6-2423

**Lab Number:** L1911169
**Report Date:** 03/29/19

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | | MSD Found | MSD %Recovery | Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1218701-3 QC Sample: L1909953-01 Client ID: MS Sample | | | | | | | | | | |
| Aluminum, Total | 6950 | 183 | 5720 | **0** | Q | - | - | 75-125 | - | 20 |
| Antimony, Total | 1.80J | 45.8 | 36.8 | 80 | | - | - | 75-125 | - | 20 |
| Arsenic, Total | 3.82 | 11 | 15.7 | 108 | | - | - | 75-125 | - | 20 |
| Barium, Total | 257 | 183 | 568 | **170** | Q | - | - | 75-125 | - | 20 |
| Beryllium, Total | 0.256 | 4.58 | 4.01 | 82 | | - | - | 75-125 | - | 20 |
| Cadmium, Total | 2.97 | 4.67 | 7.14 | 89 | | - | - | 75-125 | - | 20 |
| Calcium, Total | 12000 | 917 | 6640 | **0** | Q | - | - | 75-125 | - | 20 |
| Chromium, Total | 17.5 | 18.3 | 39.5 | 120 | | - | - | 75-125 | - | 20 |
| Cobalt, Total | 5.47 | 45.8 | 43.0 | 82 | | - | - | 75-125 | - | 20 |
| Copper, Total | 314 | 22.9 | 313 | **0** | Q | - | - | 75-125 | - | 20 |
| Iron, Total | 13200 | 91.7 | 15700 | **2730** | Q | - | - | 75-125 | - | 20 |
| Lead, Total | 730 | 46.7 | 862 | **282** | Q | - | - | 75-125 | - | 20 |
| Magnesium, Total | 5000 | 917 | 4040 | **0** | Q | - | - | 75-125 | - | 20 |
| Manganese, Total | 246 | 45.8 | 250 | **9** | Q | - | - | 75-125 | - | 20 |
| Nickel, Total | 13.3 | 45.8 | 49.6 | 79 | | - | - | 75-125 | - | 20 |
| Potassium, Total | 379 | 917 | 1130 | 82 | | - | - | 75-125 | - | 20 |
| Selenium, Total | 0.404J | 11 | 10.1 | 92 | | - | - | 75-125 | - | 20 |
| Silver, Total | 0.507 | 27.5 | 25.4 | 90 | | - | - | 75-125 | - | 20 |
| Sodium, Total | 190 | 917 | 1020 | 90 | | - | - | 75-125 | - | 20 |
| Thallium, Total | ND | 11 | 7.46 | **68** | Q | - | - | 75-125 | - | 20 |
| Vanadium, Total | 20.3 | 45.8 | 58.9 | 84 | | - | - | 75-125 | - | 20 |

# Matrix Spike Analysis
## Batch Quality Control

**Project Name:** G6-2423
**Project Number:** G6-2423

**Lab Number:** L1911169
**Report Date:** 03/29/19

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | | MSD Found | MSD %Recovery | Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1218701-3 QC Sample: L1909953-01 Client ID: MS Sample | | | | | | | | | | |
| Zinc, Total | 1110 | 45.8 | 1440 | **720** | Q | - | - | 75-125 | - | 20 |
| Total Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1218781-3 QC Sample: L1911169-01 Client ID: S-1 | | | | | | | | | | |
| Mercury, Total | ND | 0.148 | 0.153 | 103 | | - | - | 80-120 | - | 20 |

# Lab Duplicate Analysis

*Batch Quality Control*

**Project Name:** G6-2423
**Project Number:** G6-2423

***Lab Number:*** L1911169
***Report Date:*** 03/29/19

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| Total Metals - Mansfield Lab Associated sample(s): 09-11 QC Batch ID: WG1218583-4 QC Sample: L1910719-10 Client ID: DUP Sample | | | | | | |
| Mercury, Total | ND | ND | mg/l | NC | | 20 |
| Total Metals - Mansfield Lab Associated sample(s): 09-11 QC Batch ID: WG1218673-4 QC Sample: L1911137-01 Client ID: DUP Sample | | | | | | |
| Lead, Total | ND | ND | mg/l | NC | | 20 |
| Total Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1218701-4 QC Sample: L1909953-01 Client ID: DUP Sample | | | | | | |
| Lead, Total | 730 | 932 | mg/kg | **24** | Q | 20 |
| Total Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1218781-4 QC Sample: L1911169-01 Client ID: S-1 | | | | | | |
| Mercury, Total | ND | ND | mg/kg | NC | | 20 |

# INORGANICS
# &
# MISCELLANEOUS

**Project Name:** G6-2423
**Project Number:** G6-2423

**Lab Number:** L1911169
**Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-01
Client ID: S-1
Sample Location: NY

Date Collected: 03/20/19 09:10
Date Received: 03/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 84.5 | | % | 0.100 | NA | 1 | - | 03/22/19 10:54 | 121,2540G | RI |
| Cyanide, Total | ND | | mg/kg | 1.1 | 0.23 | 1 | 03/22/19 13:25 | 03/22/19 15:50 | 1,9010C/9012B | LH |

**Project Name:** G6-2423
**Project Number:** G6-2423

**Lab Number:** L1911169
**Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-02
Client ID: S-2
Sample Location: NY

Date Collected: 03/20/19 09:45
Date Received: 03/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 86.3 | | % | 0.100 | NA | 1 | - | 03/22/19 10:54 | 121,2540G | RI |
| Cyanide, Total | ND | | mg/kg | 1.1 | 0.22 | 1 | 03/22/19 13:25 | 03/22/19 15:51 | 1,9010C/9012B | LH |

**Project Name:** G6-2423
**Project Number:** G6-2423

**Lab Number:** L1911169
**Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-03
Client ID: S-3
Sample Location: NY

Date Collected: 03/20/19 10:05
Date Received: 03/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 73.5 | | % | 0.100 | NA | 1 | - | 03/22/19 10:54 | 121,2540G | RI |
| Cyanide, Total | 1.1 | J | mg/kg | 1.3 | 0.27 | 1 | 03/22/19 13:25 | 03/22/19 15:52 | 1,9010C/9012B | LH |

**Project Name:** G6-2423
**Project Number:** G6-2423

**Lab Number:** L1911169
**Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-04
Client ID: S-4
Sample Location: NY

Date Collected: 03/20/19 11:00
Date Received: 03/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 80.5 | | % | 0.100 | NA | 1 | - | 03/22/19 10:54 | 121,2540G | RI |
| Cyanide, Total | ND | | mg/kg | 1.2 | 0.26 | 1 | 03/22/19 13:25 | 03/22/19 15:55 | 1,9010C/9012B | LH |

**Project Name:** G6-2423
**Project Number:** G6-2423

**Lab Number:** L1911169
**Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-05
Client ID: S-5
Sample Location: NY

Date Collected: 03/20/19 11:20
Date Received: 03/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 81.3 | | % | 0.100 | NA | 1 | - | 03/22/19 10:54 | 121,2540G | RI |
| Cyanide, Total | ND | | mg/kg | 1.2 | 0.26 | 1 | 03/22/19 13:25 | 03/22/19 15:56 | 1,9010C/9012B | LH |

**Project Name:** G6-2423
**Project Number:** G6-2423

**Lab Number:** L1911169
**Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-06
Client ID: S-6
Sample Location: NY

Date Collected: 03/20/19 11:30
Date Received: 03/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 85.1 | | % | 0.100 | NA | 1 | - | 03/22/19 10:54 | 121,2540G | RI |
| Cyanide, Total | ND | | mg/kg | 1.1 | 0.23 | 1 | 03/22/19 13:25 | 03/22/19 15:57 | 1,9010C/9012B | LH |

**Project Name:** G6-2423
**Project Number:** G6-2423

**Lab Number:** L1911169
**Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-07
Client ID: S-7
Sample Location: NY

Date Collected: 03/20/19 11:50
Date Received: 03/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 90.5 | | % | 0.100 | NA | 1 | - | 03/22/19 10:54 | 121,2540G | RI |
| Cyanide, Total | 0.47 | J | mg/kg | 1.1 | 0.23 | 1 | 03/22/19 13:25 | 03/22/19 15:58 | 1,9010C/9012B | LH |

**Project Name:** G6-2423
**Project Number:** G6-2423

**Lab Number:** L1911169
**Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-08
Client ID: S-8
Sample Location: NY

Date Collected: 03/20/19 12:05
Date Received: 03/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 85.5 | | % | 0.100 | NA | 1 | - | 03/22/19 10:54 | 121,2540G | RI |
| Cyanide, Total | ND | | mg/kg | 1.2 | 0.24 | 1 | 03/22/19 13:25 | 03/22/19 15:59 | 1,9010C/9012B | LH |

**Project Name:** G6-2423
**Project Number:** G6-2423

**Lab Number:** L1911169
**Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-09
Client ID: TWP-1
Sample Location: NY

Date Collected: 03/20/19 10:45
Date Received: 03/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Cyanide, Total | 0.364 | | mg/l | 0.005 | 0.001 | 1 | 03/22/19 17:10 | 03/25/19 10:45 | 1,9010C/9012B | LH |

**Project Name:** G6-2423
**Project Number:** G6-2423

**Lab Number:** L1911169
**Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-10
Client ID: TWP-3
Sample Location: NY

Date Collected: 03/20/19 11:35
Date Received: 03/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Cyanide, Total | 0.547 | | mg/l | 0.010 | 0.003 | 2 | 03/22/19 17:10 | 03/25/19 11:46 | 1,9010C/9012B | LH |

**Project Name:** G6-2423
**Project Number:** G6-2423

**Lab Number:** L1911169
**Report Date:** 03/29/19

## SAMPLE RESULTS

Lab ID: L1911169-11
Client ID: TWP-8
Sample Location: NY

Date Collected: 03/20/19 12:25
Date Received: 03/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Cyanide, Total | 0.186 | | mg/l | 0.005 | 0.001 | 1 | 03/22/19 17:10 | 03/25/19 11:50 | 1,9010C/9012B | LH |

**Project Name:** G6-2423 **Lab Number:** L1911169

**Project Number:** G6-2423 **Report Date:** 03/29/19

# Method Blank Analysis
## Batch Quality Control

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab for sample(s): 01-08 Batch: WG1218549-1 | | | | | | | | | | |
| Cyanide, Total | ND | | mg/kg | 1.0 | 0.21 | 1 | 03/22/19 13:25 | 03/22/19 15:43 | 1,9010C/9012B | LH |
| General Chemistry - Westborough Lab for sample(s): 09-11 Batch: WG1218640-1 | | | | | | | | | | |
| Cyanide, Total | ND | | mg/l | 0.005 | 0.001 | 1 | 03/22/19 17:10 | 03/25/19 10:28 | 1,9010C/9012B | LH |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** G6-2423
**Project Number:** G6-2423

**Lab Number:** L1911169
**Report Date:** 03/29/19

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 01-08 Batch: WG1218549-2 WG1218549-3 | | | | | | | | |
| Cyanide, Total | 86 | | 83 | | 80-120 | 6 | | 35 |
| General Chemistry - Westborough Lab Associated sample(s): 09-11 Batch: WG1218640-2 WG1218640-3 | | | | | | | | |
| Cyanide, Total | 93 | | 96 | | 85-115 | 3 | | 20 |

# Matrix Spike Analysis
## Batch Quality Control

**Project Name:** G6-2423
**Project Number:** G6-2423

**Lab Number:** L1911169
**Report Date:** 03/29/19

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1218549-4 WG1218549-5 QC Sample: L1911366-37 Client ID: MS Sample | | | | | | | | | | | | |
| Cyanide, Total | ND | 10 | 9.9 | 95 | | 9.6 | 95 | | 75-125 | 3 | | 35 |
| General Chemistry - Westborough Lab Associated sample(s): 09-11 QC Batch ID: WG1218640-4 WG1218640-5 QC Sample: L1911192-01 Client ID: MS Sample | | | | | | | | | | | | |
| Cyanide, Total | 0.002J | 0.2 | 0.186 | 93 | | 0.187 | 94 | | 80-120 | 1 | | 20 |

# Lab Duplicate Analysis

*Batch Quality Control*

**Project Name:** G6-2423
**Project Number:** G6-2423

***Lab Number:*** L1911169
***Report Date:*** 03/29/19

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1218471-1 QC Sample: L1911169-01 Client ID: S-1 | | | | | | |
| Solids, Total | 84.5 | 84.3 | % | 0 | | 20 |

**Project Name:** G6-2423
**Project Number:** G6-2423

**Lab Number:** L1911169
**Report Date:** 03/29/19

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

### Cooler Information

| Cooler | Custody Seal |
|---|---|
| A | Absent |
| B | Absent |

### Container Information

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|---|---|---|---|---|---|---|---|---|---|
| L1911169-01A | 5 gram Encore Sampler | B | NA | | 2.7 | Y | Absent | | NYTCL-8260HLW(14) |
| L1911169-01B | 5 gram Encore Sampler | B | NA | | 2.7 | Y | Absent | | NYTCL-8260HLW(14) |
| L1911169-01C | 5 gram Encore Sampler | B | NA | | 2.7 | Y | Absent | | NYTCL-8260HLW(14) |
| L1911169-01D | Plastic 2oz unpreserved for TS | B | NA | | 2.7 | Y | Absent | | TS(7) |
| L1911169-01E | Metals Only-Glass 60mL/2oz unpreserved | B | NA | | 2.7 | Y | Absent | | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |
| L1911169-01F | Glass 250ml/8oz unpreserved | B | NA | | 2.7 | Y | Absent | | NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14) |
| L1911169-01X | Vial MeOH preserved split | B | NA | | 2.7 | Y | Absent | | NYTCL-8260HLW(14) |
| L1911169-01Y | Vial Water preserved split | B | NA | | 2.7 | Y | Absent | 22-MAR-19 08:36 | NYTCL-8260HLW(14) |
| L1911169-01Z | Vial Water preserved split | B | NA | | 2.7 | Y | Absent | 22-MAR-19 08:36 | NYTCL-8260HLW(14) |
| L1911169-02A | 5 gram Encore Sampler | B | NA | | 2.7 | Y | Absent | | NYTCL-8260HLW(14) |
| L1911169-02B | 5 gram Encore Sampler | B | NA | | 2.7 | Y | Absent | | NYTCL-8260HLW(14) |
| L1911169-02C | 5 gram Encore Sampler | B | NA | | 2.7 | Y | Absent | | NYTCL-8260HLW(14) |
| L1911169-02D | Plastic 2oz unpreserved for TS | B | NA | | 2.7 | Y | Absent | | TS(7) |
| L1911169-02E | Metals Only-Glass 60mL/2oz unpreserved | B | NA | | 2.7 | Y | Absent | | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |
| L1911169-02F | Glass 250ml/8oz unpreserved | B | NA | | 2.7 | Y | Absent | | NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14) |
| L1911169-02X | Vial MeOH preserved split | B | NA | | 2.7 | Y | Absent | | NYTCL-8260HLW(14) |



*Values in parentheses indicate holding time in days

### Container Information

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|---|---|---|---|---|---|---|---|---|---|
| L1911169-02Y | Vial Water preserved split | B | NA | | 2.7 | Y | Absent | 22-MAR-19 08:36 | NYTCL-8260HLW(14) |
| L1911169-02Z | Vial Water preserved split | B | NA | | 2.7 | Y | Absent | 22-MAR-19 08:36 | NYTCL-8260HLW(14) |
| L1911169-03A | 5 gram Encore Sampler | B | NA | | 2.7 | Y | Absent | | NYTCL-8260HLW(14) |
| L1911169-03B | 5 gram Encore Sampler | B | NA | | 2.7 | Y | Absent | | NYTCL-8260HLW(14) |
| L1911169-03C | 5 gram Encore Sampler | B | NA | | 2.7 | Y | Absent | | NYTCL-8260HLW(14) |
| L1911169-03D | Plastic 2oz unpreserved for TS | B | NA | | 2.7 | Y | Absent | | TS(7) |
| L1911169-03E | Metals Only-Glass 60mL/2oz unpreserved | B | NA | | 2.7 | Y | Absent | | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |
| L1911169-03F | Glass 250ml/8oz unpreserved | B | NA | | 2.7 | Y | Absent | | NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14) |
| L1911169-03X | Vial MeOH preserved split | B | NA | | 2.7 | Y | Absent | | NYTCL-8260HLW(14) |
| L1911169-03Y | Vial Water preserved split | B | NA | | 2.7 | Y | Absent | 22-MAR-19 08:36 | NYTCL-8260HLW(14) |
| L1911169-03Z | Vial Water preserved split | B | NA | | 2.7 | Y | Absent | 22-MAR-19 08:36 | NYTCL-8260HLW(14) |
| L1911169-04A | 5 gram Encore Sampler | B | NA | | 2.7 | Y | Absent | | NYTCL-8260HLW(14) |
| L1911169-04B | 5 gram Encore Sampler | B | NA | | 2.7 | Y | Absent | | NYTCL-8260HLW(14) |
| L1911169-04C | 5 gram Encore Sampler | B | NA | | 2.7 | Y | Absent | | NYTCL-8260HLW(14) |
| L1911169-04D | Plastic 2oz unpreserved for TS | B | NA | | 2.7 | Y | Absent | | TS(7) |
| L1911169-04E | Metals Only-Glass 60mL/2oz unpreserved | B | NA | | 2.7 | Y | Absent | | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |
| L1911169-04F | Glass 250ml/8oz unpreserved | B | NA | | 2.7 | Y | Absent | | NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14) |
| L1911169-04X | Vial MeOH preserved split | B | NA | | 2.7 | Y | Absent | | NYTCL-8260HLW(14) |
| L1911169-04Y | Vial Water preserved split | B | NA | | 2.7 | Y | Absent | 22-MAR-19 08:36 | NYTCL-8260HLW(14) |
| L1911169-04Z | Vial Water preserved split | B | NA | | 2.7 | Y | Absent | 22-MAR-19 08:36 | NYTCL-8260HLW(14) |
| L1911169-05A | 5 gram Encore Sampler | B | NA | | 2.7 | Y | Absent | | NYTCL-8260HLW(14) |
| L1911169-05B | 5 gram Encore Sampler | B | NA | | 2.7 | Y | Absent | | NYTCL-8260HLW(14) |
| L1911169-05C | 5 gram Encore Sampler | B | NA | | 2.7 | Y | Absent | | NYTCL-8260HLW(14) |



*Values in parentheses indicate holding time in days

### Container Information

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|---|---|---|---|---|---|---|---|---|---|
| L1911169-05D | Plastic 2oz unpreserved for TS | B | NA | | 2.7 | Y | Absent | | TS(7) |
| L1911169-05E | Metals Only-Glass 60mL/2oz unpreserved | B | NA | | 2.7 | Y | Absent | | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |
| L1911169-05F | Glass 250ml/8oz unpreserved | B | NA | | 2.7 | Y | Absent | | NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14) |
| L1911169-05X | Vial MeOH preserved split | B | NA | | 2.7 | Y | Absent | | NYTCL-8260HLW(14) |
| L1911169-05Y | Vial Water preserved split | B | NA | | 2.7 | Y | Absent | 22-MAR-19 08:36 | NYTCL-8260HLW(14) |
| L1911169-05Z | Vial Water preserved split | B | NA | | 2.7 | Y | Absent | 22-MAR-19 08:36 | NYTCL-8260HLW(14) |
| L1911169-06A | 5 gram Encore Sampler | B | NA | | 2.7 | Y | Absent | | NYTCL-8260HLW(14) |
| L1911169-06B | 5 gram Encore Sampler | B | NA | | 2.7 | Y | Absent | | NYTCL-8260HLW(14) |
| L1911169-06C | 5 gram Encore Sampler | B | NA | | 2.7 | Y | Absent | | NYTCL-8260HLW(14) |
| L1911169-06D | Plastic 2oz unpreserved for TS | B | NA | | 2.7 | Y | Absent | | TS(7) |
| L1911169-06E | Metals Only-Glass 60mL/2oz unpreserved | B | NA | | 2.7 | Y | Absent | | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |
| L1911169-06F | Glass 250ml/8oz unpreserved | B | NA | | 2.7 | Y | Absent | | NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14) |
| L1911169-06X | Vial MeOH preserved split | B | NA | | 2.7 | Y | Absent | | NYTCL-8260HLW(14) |
| L1911169-06Y | Vial Water preserved split | B | NA | | 2.7 | Y | Absent | 22-MAR-19 08:36 | NYTCL-8260HLW(14) |
| L1911169-06Z | Vial Water preserved split | B | NA | | 2.7 | Y | Absent | 22-MAR-19 08:36 | NYTCL-8260HLW(14) |
| L1911169-07A | 5 gram Encore Sampler | B | NA | | 2.7 | Y | Absent | | NYTCL-8260HLW(14) |
| L1911169-07B | 5 gram Encore Sampler | B | NA | | 2.7 | Y | Absent | | NYTCL-8260HLW(14) |
| L1911169-07C | 5 gram Encore Sampler | B | NA | | 2.7 | Y | Absent | | NYTCL-8260HLW(14) |
| L1911169-07D | Plastic 2oz unpreserved for TS | B | NA | | 2.7 | Y | Absent | | TS(7) |
| L1911169-07E | Metals Only-Glass 60mL/2oz unpreserved | B | NA | | 2.7 | Y | Absent | | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |



*Values in parentheses indicate holding time in days

### Container Information

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|---|---|---|---|---|---|---|---|---|---|
| L1911169-07F | Glass 250ml/8oz unpreserved | B | NA | | 2.7 | Y | Absent | | NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14) |
| L1911169-07X | Vial MeOH preserved split | B | NA | | 2.7 | Y | Absent | | NYTCL-8260HLW(14) |
| L1911169-07Y | Vial Water preserved split | B | NA | | 2.7 | Y | Absent | 22-MAR-19 08:36 | NYTCL-8260HLW(14) |
| L1911169-07Z | Vial Water preserved split | B | NA | | 2.7 | Y | Absent | 22-MAR-19 08:36 | NYTCL-8260HLW(14) |
| L1911169-08A | 5 gram Encore Sampler | B | NA | | 2.7 | Y | Absent | | NYTCL-8260HLW(14) |
| L1911169-08B | 5 gram Encore Sampler | B | NA | | 2.7 | Y | Absent | | NYTCL-8260HLW(14) |
| L1911169-08C | 5 gram Encore Sampler | B | NA | | 2.7 | Y | Absent | | NYTCL-8260HLW(14) |
| L1911169-08D | Plastic 2oz unpreserved for TS | B | NA | | 2.7 | Y | Absent | | TS(7) |
| L1911169-08E | Metals Only-Glass 60mL/2oz unpreserved | B | NA | | 2.7 | Y | Absent | | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |
| L1911169-08F | Glass 250ml/8oz unpreserved | B | NA | | 2.7 | Y | Absent | | NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14) |
| L1911169-08X | Vial MeOH preserved split | B | NA | | 2.7 | Y | Absent | | NYTCL-8260HLW(14) |
| L1911169-08Y | Vial Water preserved split | B | NA | | 2.7 | Y | Absent | 22-MAR-19 08:36 | NYTCL-8260HLW(14) |
| L1911169-08Z | Vial Water preserved split | B | NA | | 2.7 | Y | Absent | 22-MAR-19 08:36 | NYTCL-8260HLW(14) |
| L1911169-09A | Vial HCl preserved | A | NA | | 3.4 | Y | Absent | | NYTCL-8260(14) |
| L1911169-09B | Vial HCl preserved | A | NA | | 3.4 | Y | Absent | | NYTCL-8260(14) |
| L1911169-09C | Vial HCl preserved | A | NA | | 3.4 | Y | Absent | | NYTCL-8260(14) |
| L1911169-09D | Plastic 500ml HNO3 preserved | A | <2 | <2 | 3.4 | Y | Absent | | BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180) |
| L1911169-09E | Plastic 250ml NaOH preserved | A | >12 | >12 | 3.4 | Y | Absent | | TCN-9010(14) |
| L1911169-09F | Amber 120ml unpreserved | A | 7 | 7 | 3.4 | Y | Absent | | NYTCL-8082-LVI(7) |
| L1911169-09G | Amber 120ml unpreserved | A | 7 | 7 | 3.4 | Y | Absent | | NYTCL-8082-LVI(7) |
| L1911169-09H | Amber 120ml unpreserved | A | 7 | 7 | 3.4 | Y | Absent | | NYTCL-8081(7) |



*Values in parentheses indicate holding time in days

***Container Information***

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|---|---|---|---|---|---|---|---|---|---|
| L1911169-09I | Amber 120ml unpreserved | A | 7 | 7 | 3.4 | Y | Absent | | NYTCL-8081(7) |
| L1911169-09J | Amber 250ml unpreserved | A | 7 | 7 | 3.4 | Y | Absent | | NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7) |
| L1911169-09K | Amber 250ml unpreserved | A | 7 | 7 | 3.4 | Y | Absent | | NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7) |
| L1911169-10A | Vial HCl preserved | A | NA | | 3.4 | Y | Absent | | NYTCL-8260(14) |
| L1911169-10B | Vial HCl preserved | A | NA | | 3.4 | Y | Absent | | NYTCL-8260(14) |
| L1911169-10C | Vial HCl preserved | A | NA | | 3.4 | Y | Absent | | NYTCL-8260(14) |
| L1911169-10D | Plastic 500ml HNO3 preserved | A | <2 | <2 | 3.4 | Y | Absent | | BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180) |
| L1911169-10E | Plastic 250ml NaOH preserved | A | >12 | >12 | 3.4 | Y | Absent | | TCN-9010(14) |
| L1911169-10F | Amber 120ml unpreserved | A | 7 | 7 | 3.4 | Y | Absent | | NYTCL-8082-LVI(7) |
| L1911169-10G | Amber 120ml unpreserved | A | 7 | 7 | 3.4 | Y | Absent | | NYTCL-8082-LVI(7) |
| L1911169-10H | Amber 120ml unpreserved | A | 7 | 7 | 3.4 | Y | Absent | | NYTCL-8081(7) |
| L1911169-10I | Amber 120ml unpreserved | A | 7 | 7 | 3.4 | Y | Absent | | NYTCL-8081(7) |
| L1911169-10J | Amber 250ml unpreserved | A | 7 | 7 | 3.4 | Y | Absent | | NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7) |
| L1911169-10K | Amber 250ml unpreserved | A | 7 | 7 | 3.4 | Y | Absent | | NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7) |
| L1911169-11A | Vial HCl preserved | A | NA | | 3.4 | Y | Absent | | NYTCL-8260(14) |
| L1911169-11B | Vial HCl preserved | A | NA | | 3.4 | Y | Absent | | NYTCL-8260(14) |
| L1911169-11C | Vial HCl preserved | A | NA | | 3.4 | Y | Absent | | NYTCL-8260(14) |
| L1911169-11D | Plastic 500ml HNO3 preserved | A | <2 | <2 | 3.4 | Y | Absent | | BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180) |
| L1911169-11E | Plastic 250ml NaOH preserved | A | >12 | >12 | 3.4 | Y | Absent | | TCN-9010(14) |
| L1911169-11F | Amber 120ml unpreserved | A | 7 | 7 | 3.4 | Y | Absent | | NYTCL-8082-LVI(7) |



*Values in parentheses indicate holding time in days

**Project Name:** G6-2423
**Project Number:** G6-2423

**Lab Number:** L1911169
**Report Date:** 03/29/19

### Container Information

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|---|---|---|---|---|---|---|---|---|---|
| L1911169-11G | Amber 120ml unpreserved | A | 7 | 7 | 3.4 | Y | Absent | | NYTCL-8082-LVI(7) |
| L1911169-11H | Amber 120ml unpreserved | A | 7 | 7 | 3.4 | Y | Absent | | NYTCL-8081(7) |
| L1911169-11I | Amber 120ml unpreserved | A | 7 | 7 | 3.4 | Y | Absent | | NYTCL-8081(7) |
| L1911169-11J | Amber 250ml unpreserved | A | 7 | 7 | 3.4 | Y | Absent | | NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7) |
| L1911169-11K | Amber 250ml unpreserved | A | 7 | 7 | 3.4 | Y | Absent | | NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7) |

### Container Comments

L1911169-09D



*Values in parentheses indicate holding time in days

| | | | |
|---|---|---|---|
| **Project Name:** | G6-2423 | **Lab Number:** | L1911169 |
| **Project Number:** | G6-2423 | **Report Date:** | 03/29/19 |

## GLOSSARY

***Acronyms***

| | |
|---|---|
| DL | - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) |
| EDL | - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME). |
| EMPC | - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration. |
| EPA | - Environmental Protection Agency. |
| LCS | - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| LCSD | - Laboratory Control Sample Duplicate: Refer to LCS. |
| LFB | - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| LOD | - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) |
| LOQ | - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)<br><br>Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) |
| MDL | - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| MS | - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values. |
| MSD | - Matrix Spike Sample Duplicate: Refer to MS. |
| NA | - Not Applicable. |
| NC | - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit. |
| NDPA/DPA | - N-Nitrosodiphenylamine/Diphenylamine. |
| NI | - Not Ignitable. |
| NP | - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil. |
| RL | - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| RPD | - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report. |
| SRM | - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples. |
| STLP | - Semi-dynamic Tank Leaching Procedure per EPA Method 1315. |
| TEF | - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD. |
| TEQ | - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values. |
| TIC | - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations. |

***Footnotes***

*Report Format: DU Report with 'J' Qualifiers*

| | | | |
|---|---|---|---|
| **Project Name:** | G6-2423 | **Lab Number:** | L1911169 |
| **Project Number:** | G6-2423 | **Report Date:** | 03/29/19 |

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

***Terms***

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

***Data Qualifiers***

**A** - Spectra identified as "Aldol Condensation Product".

**B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

**C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

**D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

**E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

**G** - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

**H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

**I** - The lower value for the two columns has been reported due to obvious interference.

**J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

**M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

**ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

**NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

**P** - The RPD between the results for the two columns exceeds the method-specified criteria.

**Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

**R** - Analytical results are from sample re-analysis.

**RE** - Analytical results are from sample re-extraction.

**S** - Analytical results are from modified screening analysis.

*Report Format: DU Report with 'J' Qualifiers*

| | | | |
|---|---|---|---|
| **Project Name:** | G6-2423 | **Lab Number:** | L1911169 |
| **Project Number:** | G6-2423 | **Report Date:** | 03/29/19 |

## REFERENCES


1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.


## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

# Certification Information

**The following analytes are not included in our Primary NELAP Scope of Accreditation:**

**Westborough Facility**
**EPA 624/624.1:** m/p-xylene, o-xylene
**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
**EPA 8270D:** NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.

**EPA 6860:** SCM: Perchlorate

**SM4500**: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

**Mansfield Facility**
**SM 2540D:** TSS
**EPA 8082A:** NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
**Biological Tissue Matrix:** EPA 3050B

**The following analytes are included in our Massachusetts DEP Scope of Accreditation**

**Westborough Facility:**

***Drinking Water***
**EPA 300.0**: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
**EPA 332**: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
**Microbiology**: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

***Non-Potable Water***
**SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
**EPA 624.1**: Volatile Halocarbons & Aromatics,
**EPA 608.3**: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
**EPA 625.1**: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
**Microbiology**: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

**Mansfield Facility:**

***Drinking Water***
**EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
**EPA 522.**

***Non-Potable Water***
**EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
**EPA 245.1** Hg.
**SM2340B**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

# NEW JERSEY CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581 — 8 Walkup Dr. — TEL: 508-898-9220 — FAX: 508-898-9193

Mansfield, MA 02048 — 320 Forbes Blvd — TEL: 508-822-9300 — FAX: 508-822-3288

**Service Centers**
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 2

Date Rec'd in Lab: 3/22/19

ALPHA Job #: L1911169

**Client Information**
Client: Hillmann Consulting
Address: 1600 Rt. 22 E
Union, NJ 07083
Phone: (908)688-7800
Fax:
Email:

**Project Information**
Project Name: GL-2423
Project Location: NY
Project #: GL-2423
(Use Project name as Project #) ☒
Project Manager: R. K. Powell
ALPHAQuote #:

**Turn-Around Time**
Standard ☐ Due Date:
Rush (only if pre approved) ☒ # of Days: 5 Day

**Deliverables**
☐ NJ Full / Reduced
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

**Regulatory Requirement**
☐ SRS Residential/Non Residential
☐ SRS Impact to Groundwater
☐ NJ Ground Water Quality Standards
☐ NJ IGW SPLP Leachate Criteria (TOGS)
☒ Other NY Soil Sco + GW

**Billing Information**
☒ Same as Client Info
PO # GL-2423

**Site Information**
Is this site impacted by Petroleum? Yes ☐
Petroleum Product:

These samples have been previously analyzed by Alpha ☐

**For EPH, selection is REQUIRED:**
☐ Category 1
☐ Category 2

**For VOC, selection is REQUIRED:**
☐ 1,4-Dioxane
☐ 8011

**Other project specific requirements/comments:**
Please specify Metals or TAL.

**Sample Filtration**
☐ Done
☐ Lab to do
*Preservation*
☐ Lab to do
*(Please Specify below)*

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS: TAL/TCL+3D | Total Bottle | Sample Specific Comments |
|---|---|---|---|---|---|---|---|---|
| L1169-01 | S-1 | 3-20-19 | 0910 | S | RKP | X | | |
| -02 | S-2 | | 0945 | S | | X | | |
| -03 | S-3 | | 1005 | S | | X | | |
| -04 | S-4 | | 1100 | S | | X | | |
| -05 | S-5 | | 1120 | S | | X | | |
| -06 | S-6 | | 1130 | S | | X | | |
| -07 | S-7 | | 1150 | S | | X | | |
| -08 | S-8 | | 1205 | S | | X | | |
| -09 | TWP-1 | | 1045 | GW | | X | | |
| -10 | TWP-3 | | 1135 | GW | | X | | |

Container Type
Preservative

Preservative Code:
A = None
B = HCl
C = $HNO_3$
D = $H_2SO_4$
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| R K Powell | 3-21-19 1112 | [illegible] | 3-21-19 1112 |
| [illegible] Crawford | 3-21-19 1630 | D. Santos MM | 3/21/19 1900 |
| D. Santos MM | 3/21/19 2240 | | 3/21/19 2240 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-14 HC (rev. 30-Sept-2013)

# NEW JERSEY CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

**Service Centers**
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 2 of 2

Date Rec'd in Lab: 3/22/19

ALPHA Job #: L911169

**Client Information**
Client: Hillman Consulting
Address:
Phone:
Fax:
Email:

**Project Information**
Project Name: GC-2423
Project Location: NY
Project #: GC-2423
(Use Project name as Project #) ☐
Project Manager:
ALPHAQuote #:

**Turn-Around Time**
Standard ☐ Due Date:
Rush (only if pre approved) ☒ # of Days: 5 Day

**Deliverables**
☐ NJ Full / Reduced
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

**Billing Information**
☒ Same as Client Info
PO # GC-2423

**Regulatory Requirement**
☐ SRS Residential/Non Residential
☐ SRS Impact to Groundwater
☐ NJ Ground Water Quality Standards
☐ NJ IGW SPLP Leachate Criteria (TOGS)
☒ Other NY Soil SCO+ GW

**Site Information**
Is this site impacted by Petroleum? Yes ☐
Petroleum Product:

These samples have been previously analyzed by Alpha ☐

**For EPH, selection is REQUIRED:**
☐ Category 1
☐ Category 2

**For VOC, selection is REQUIRED:**
☐ 1,4-Dioxane
☐ 8011

**Other project specific requirements/comments:**
Please specify Metals or TAL.

**Sample Filtration**
☐ Done
☐ Lab to do
*Preservation*
☐ Lab to do
*(Please Specify below)*

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | ANALYSIS: TAL/TCL+30 | Sample Specific Comments | Total Bottle |
|---|---|---|---|---|---|---|---|---|
| 11169-11 | TWP-8 | 3-20-19 | 1225 | GW | RKP | X | | |
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Preservative Code:
A = None
B = HCl
C = $HNO_3$
D = $H_2SO_4$
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type
Preservative

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| | 3-21-19 11:12 | | 3-21-19 1112 |
| | 3-21-19 1630 | | 3/21/19 1900 |
| | 3/21/19 2240 | | 3/21/19 2240 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-14 HC (rev. 30-Sept-2013)

HILLMANN GROUP, LLC

# PHASE I ENVIRONMENTAL SITE ASSESSMENT-UPDATE



135 MAIN STREET
POUGHKEEPSIE, NEW YORK 12601

AUGUST 28, 2007

HILLMANN PROJECT #E3-2155

PREPARED FOR:
ADMIRAL HALSEY, L.P.
C/O OMNI NEW YORK, LLC
885 SECOND AVE, 31ST FLOOR, SUITE C
NEW YORK, NY 10017

ALLIANT CREDIT FACILITY, LTD ISAOA
ALLIANT CREDIT FACILITY, ALP, LLC ISAOA

CITIBANK, NA
ONE COURT SQUARE
45TH FLOOR, ZONE 12
LONG ISLAND CITY, NY 11120

NEW YORK STATE FINANCE AGENCY
641 LEXINGTON AVE, 4TH FLOOR
NEW YORK, NY 10022

**Nationwide Engineering & Environmental Consulting**
1600 Route 22 East, Union, New Jersey 07083
(908) 688-7800 Fax (908) 686-2636 Email: corporate@hillmanngroup.com
**Office locations**: New Jersey, New York, Pennsylvania, Massachusetts, Virginia, Florida, California, Engineering Division: New Jersey
*www.hillmanngroup.com*

HILLMANN GROUP, LLC

August 28, 2007

Admiral Halsey, L.P.
c/o Omni New York, LLC
885 Second Ave, 31st Floor, Suite C
New York, NY 10017
Attn: Ms. Courtney Reed

Alliant Credit Facility, Ltd ISAOA
Alliant Credit Facility, ALP, LLC ISAOA
21600 Oxnard Street, Suite 1200 Woodland Hills, CA 91367

New York State Finance Agency
641 Lexington Ave, 4th Floor
New York, NY 10022

Citibank, NA
One Court Square
45th Floor, Zone 12
Long Island City, NY 11120

**RE: Phase I Environmental Site Assessment-Update**
135 Main Street
Poughkeepsie, New York 12601
Hillmann Project No. E3-2155

Dear Ms. Reed:

Hillmann Group, LLC, is pleased to provide the results of our Phase I Environmental Site Assessment Update of the above referenced property. This assessment was performed in accordance with the scope and limitations of ASTM Practice E 1527-05.

This report is for the exclusive use of the entities named on the front cover, its affiliates, designates and assignees, rating agencies, prospective bond holders and bond holders, and no other party shall have any right to rely on any service provided by Hillmann Group, LLC, without prior written consent.

In addition, this report is addressed to Citibank, NA (Citibank), such other persons as may be designated by Citibank and their respective successors and assigns. Special Conditions include (i) the Report may be relied upon by Citibank in determining whether to make a loan evidenced by a note ("the Property Note") secured by the Property, (ii) the Report may be relied upon by any purchaser in determining whether to purchase the Property Note from Citibank and any rating agency rating securities issued by, or representing an interest in, the Mortgage Note, (iii) the Report may be referred to in and included with materials offering for sale the Property Note or an interest in the Property Note, (iv) persons who

acquire the Property Note or an interest in the Property Note may rely on the Report, and (v) the Report speaks only as of its date in the absence of a specific written update of the Report.

We appreciate the opportunity to provide engineering services. If you have any questions concerning this report, or if we can assist you in any other matter, please contact the undersigned at 908-688-7800.

Very Truly Yours,
**Hillmann Group, LLC**



David Rutherford
Director, Due Diligence Services



Craig Downs
National Accounts Manager

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Appendix A Maps/Diagrams
Appendix B Reference Documentation
Appendix C Regulatory Database Report

## 1.0 EXECUTIVE SUMMARY

At the request of Admiral Halsey LP (Client), Hillmann Group, LLC (Hillmann), performed a Phase I Environmental Site Assessment Update (ESA-U) of the property located at 135 Main Street in Poughkeepsie, New York (the Property). This report updates a previous Phase I ESA of the Property that was completed by Hillmann on January 22, 2007. This assessment has been conducted utilizing generally accepted Phase I ESA industry standards in accordance with the ASTM Standard Practice E 1527-05 for Phase I Environmental Site Assessments.

### 1.1 Property Summary Table

A summary of the pertinent details of the project is provided below:

| **PROJECT SUMMARY TABLE** | | | | | |
|---|---|---|---|---|---|
| **Name of Client** | | Admiral Halsey LP | | | |
| **Client Project No.:** | | None Provided | | | |
| **Client Contact:** | | Ms. Courtney Reed | | | |
| **Description of Project** | | Phase I Environmental Site Assessment | | | |
| **Property Name:** | | 135 Main Street | | | |
| **Property Address:** | | 135 Main Street | | | |
| **City:** | Poughkeepsie | **County:** | Dutchess | **State:** | New York |
| **Tax Map designation:** | | **Block:** | 76 | **Lot:** | 911 |
| **Property Area:** | | 2.20 acres | | | |
| **Building Area:** | | Approximately 98,000 ft² | | | |
| **Property Usage:** | | Residential | | | |
| **Year Built:** | | 1975 | | | |
| **Property Owner:** | | Admiral William F. Halsey Village I SR | | | |
| **Zoning Information:** | | Not Provided | | | |
| **Assessment Personnel:** | | Mr. Chris Hirschmann/Ms. Theresa Serrano | | | |
| **Accompanied/Escorted By:** | | Ms. Sue Kimmerle, Property Manager | | | |
| **Property Contact Phone Number:** | | Ms. Sue Kimmerle, (845) 471-9788 | | | |
| **Inspection Date:** | | March 27 & June 15, 21 & 22, 2007 | | | |

## 1.2 Summary of Findings

The following table summarizes the individual sections of this assessment. This table, alone, does not constitute the complete assessment. The report must be reviewed in its entirety.

| FINDINGS SUMMARY | | | | |
|---|---|---|---|---|
| ASSESSMENT SECTION | ACCEPTABLE | O&M RECOM'D | REC/ FURTHER ACTION | REF. SECTION |
| Historical Review | X | | | 5.0 |
| Regulatory Review | X | | | 8.0 |
| Site Use | X | | | 3.2/6.2 |
| Hazardous Materials | X | | | 6.3 |
| USTs | X | | | 6.6 |
| ASTs | X | | | 6.6 |
| PCBs | X | | | 6.7 |
| Waste / Discharges | X | | | 6.4/6.5 |
| ACM | X | | | 7.1 |
| Lead Paint | X | | | 7.2 |
| Drinking Water Quality | X | | | 6.11 |
| Radon | X | | | 7.3 |
| Adjoining/Surrounding Area | X | | | 3.6 |

## 1.3 Conclusions

Hillmann has performed a Phase I Environmental Site Assessment – Update in accordance with the scope and limitations of ASTM Practice E 1527-05 of the Property as described in Section 3 of this report. Any additions to, exceptions to, or deletions from this practice are described in Section 2 of this report. This update assessment has revealed no evidence of *recognized environmental conditions* (RECs) in connection with the Property, except for the following:

- A Limited Phase II Investigation report was prepared by Hillmann in March 2007 to evaluate two recognized environmental condition that were identified by Hillmann's prior Phase I ESA report. The RECs included a potential impact to the environment from a former coal gasification plant; and a historic underground storage tank (UST) that was identified by review of Sanborn Fire Insurance Maps of the Property. The investigation included the use of a GPR survey to identify any underground structures, utilities, or obstructions, and the collection and analysis of soil and groundwater samples. The results of the investigation identified the presence of residual contamination which could be

attributed to the past manufactured gas plant usage. The Limited Phase II Investigation identified elevated levels of metals and PAHs in soils throughout the property. Hillmann understands that Omni has obtained a "Property Use and Work Plan" to protect against possible contamination exposure. This document provides insight on which procedures to follow during excavation activities. In addition, this document is site specific and will only pertain to the subject property. Hillmann has contacted the NYSDEC directly, and was informed that there is no requirement to report a spill to the NYSDEC. Therefore Hillmann does not recommend reporting the results to the NYDEC. Hillmann notes that a *Soil and Groundwater Contamination Health and Safety Plan* was developed for the Property on behalf of Admiral Halsey LP, dated July 11, 2007.

Hillmann has also performed cursory evaluations for ASTM "Non-Scope" items, such as asbestos-containing materials, lead-based paint, radon and mold. Our observations and research identified no concerns in addition to those discussed by the prior Phase I ESA, except as follows:

- Property management provided a copy of an Asbestos Inspection Survey and Operations and Maintenance Program of the property prepared by EHI and dated June 15, 2007. The survey report identifies the presence of asbestos containing floor tile and associated mastic, boiler flue insulation, boiler gasket material and electrical insulation at the Property. Given that an O&M Program has been prepared, no further investigation is recommended at this time regarding asbestos.

### 1.4 Recommendations

Based on the findings of the Phase I Environmental Site Assessment Update, Hillmann recommends no additional environmental study at this time.

# 2.0 PURPOSE AND LIMITATIONS

## 2.1 Purpose and Scope

Hillmann Group, LLC, was retained by Omni to conduct a Phase I Environmental Site Assessment Update of the Property in accordance with the scope of work detailed in the Hillmann Group contact. The purpose of this report is to update the findings of Hillmann's previously completed assessment of the Property dated January 22, 2007.

This assessment was conducted utilizing generally accepted Phase I ESA industry standards in accordance with the ASTM Standard Practice E 1527-05. The ASTM describes these methodologies as representing good commercial and customary practice for conducting an Environmental Site Assessment of a property for the purpose of identifying recognized environmental conditions.

The term *recognized environmental conditions (RECs)* is defined by the ASTM as the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, ground water or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include *de minimis* conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be *de minimis* are not *REC*s.

The chief components of this update assessment are described as follows:

- A visual inspection of the Property and adjoining properties for evidence of recognized environmental conditions; and or conditions that have changed since the field inspection of the prior Phase I ESA.

- An updated review of regulatory records and data as per ASTM guidelines. This includes a regulatory review of federal and state environmental databases, and other local environmental records, within specific search distances defined by the ASTM.

- Interviews with property representatives regarding the current environmental condition of the Property.

- Review and summary of any environmental investigation reports conducted since the date of the prior Phase I ESA.

These methodologies are described as representing good commercial and customary practice for conducting an Environmental Site Assessment of a property for the purpose of identifying recognized environmental conditions.

## 2.2 Inaccessible Locations

Hillmann is not aware of any notable areas of the Property that were excluded from our visual inspection.

## 2.3 Limitations and Exceptions

Site inspections for the assessment update were conducted on March 27, 2007 in conjunction with the Phase II Investigation activities on the exterior of the Property; and on June 15, 21 & 22, 2007 in conjunction with assessment for vapor intrusion within the existing building. Historic research data gaps are detailed in Section 5, if applicable. No other exceptions or deletions from the ASTM Standard E 1527-05 are reported.

## 2.4 Abbreviations/Acronyms

Hillmann may use the following abbreviations and acronyms for common terminology described in our report. Not all abbreviations or acronyms may be applicable to this report:

ACM – Asbestos-containing Material
AST – Aboveground Storage Tank
ASTM – American Standard for Testing Materials
FOIA – Freedom of Information Act
HVAC – Heating Ventilation & Air Conditioning
HREC – Historic Recognized Environmental Condition
IAQ – Indoor Air Quality
LBP – Lead-based Paint
LTANK – Leaking Storage Tank
MSDS – Material Safety Data Sheet
REC – Recognized Environmental Condition
UST – Underground Storage Tank

## 2.5 Special Terms and Conditions

Hillmann has prepared this Phase I Environmental Site Assessment Update using reasonable efforts in each phase of its work to identify recognized environmental conditions associated with hazardous substances, wastes and petroleum products at the Property. The methodology of this Phase I Environmental Site Assessment Update was consistent with the ASTM Standard Practice for E 1527-05. Findings within this report are based on information collected from observations made on the day of the site investigation and from reasonably ascertainable information obtained from governing public agencies and private sources.

This report is not definitive and should not be assumed to be a complete or specific definition of the conditions above or below grade. Information in this report is not intended to be used as a construction document and should not be used for demolition, renovation or other construction purposes. Hillmann makes no representation or warranty that the past or current

operations at the Property are, or have been, in compliance with all applicable federal, state and local laws, regulations and codes.

Findings, conclusions and recommendations presented in this report are based on our visual observations of the Property, the municipal research findings reasonably obtained, information provided by the Client, and/or a review of readily available and supplied drawings and documents. Hillmann relies completely on the information, whether written, graphic or verbal, provided by the subject Property contact(s) or as shown on any documents reviewed or received from the subject Property contact, owner or agent, or municipal source, and assumes that information to be true and correct. Although there may have been some degree of overlap in the information provided by these various sources, Hillmann did not attempt to independently verify the accuracy or completeness of all information reviewed or received during the course of this assessment.

Regardless of the findings stated in this report, Hillmann is not responsible for consequences or conditions arising from facts that were concealed, withheld or not fully disclosed at the time the assessment was conducted.

This report does not warrant against future operations or conditions, nor does it warrant against operations or conditions present of a type or at a location not investigated.

The regulatory database report provided is based on an evaluation of the data collected and compiled by a contracted data research company. The report focuses on the Property and neighboring properties that could impact the Property. Neighboring properties listed in governmental environmental records are identified within specific search distances. The search distance varies depending upon the particular government record being checked. The regulatory research is designed to meet the requirements of ASTM Standard E 1527-05. The information provided in the regulatory database report is assumed to be correct and complete.

Subsurface conditions may differ from the conditions implied by the surface observations and can only be reliably evaluated through intrusive techniques.

Reasonable efforts have been made during this assessment to identify aboveground and underground storage tanks and ancillary equipment. “Reasonable efforts” are limited to information gained from visual observation of largely unobstructed areas, recorded database information held in public record and available information gathered from interviews. Such methods may not identify subsurface equipment that may have been hidden from view due to parked automobiles and other vehicles, snow cover, vegetative growth, pavement, construction or debris pile storage or incorrect information from sources.

Hillmann is not a professional title insurance firm and makes no guarantee, explicit or implied, that the records which were reviewed represent a comprehensive or precise delineation of past Property ownership or tenancy for legal purposes.

## 3.0 USER PROVIDED INFORMATION

Review of title records is not included in the scope of work for this assessment project. No information regarding environmental liens or activity and use limitations was provided to Hillmann by the Client.

Other than their knowledge of the environmental conditions related to historic USTs and the historical manufactured gas plant operations, no indication of any specialized knowledge or experience regarding the Property was reported to Hillmann by the client.

No indication of any commonly known or reasonably ascertainable information was provided by the Client.

No information was provided by the Client to Hillmann regarding a reduction in value of the Property value due to environmental problems or conditions.

It is Hillmann's understanding that the Phase I ESA was being performed to assist in obtaining financing for development issues.

## 4.0 PROPERTY DESCRIPTION

No significant changes were noted in the physical condition and characteristics of the Property since the prior ESA was site reconnaissance was completed. No changes in the use of the property were noted since the prior ESA. The property is utilized as a senior housing complex.

No significant changes in the occupancy or usage of the adjoining properties since the time of the prior ESA were noted.

The following describes adjacent and abutting properties:

| DIRECTION | DESCRIPTION |
|---|---|
| **North-** | Apartments |
| **East-** | Apartments |
| **South-** | Senior housing across Main Street |
| **West-** | Single-family residential across North Perry Street |

# 5.0 HISTORICAL RECORDS REVIEW

## 5.1 Summary of Historic Records Review Findings from Prior ESA

During the prior Phase I ESA, Hillmann conducted research in order to help identify the likelihood of past uses having led to recognized environmental conditions in connection with the Property. Standard historical sources were sought in an attempt to document the past uses of the Property as far back as it can be shown that the Property contained structures; or from the time the Property was first used for residential, agricultural, commercial, industrial or governmental purposes.

The existing apartment building at the Property was originally constructed circa 1975. Prior to the current use, the Property was improved for various commercial uses including retail stores, a dairy facility, a pottery facility and a coal gas works. Potential historic use impacts typically associated with historic coal gasification plants to the Property may include residual contamination generated by operations at the gas works site, including but not limited to coal tar and polyaromatic hydrocarbons (PAHs), and residual contamination generated by operations at the dairy site, including oil, grease and gasoline range organics.

## 5.2 Prior Investigation Reports:

Since the completion of the prior Phase I ESA, Hillmann has conducted the following additional environmental investigations of the Property:

*Limited Phase II Investigation, dated May 2007, prepared on behalf of Admiral Halsey, L.P., c/o Omni New York, LLC.*

> The purpose of the Limited Phase II Investigation report was to evaluate two recognized environmental conditions that were identified by Hillmann's prior Phase I ESA report. The RECs included a potential impact to the environment from a former coal gasification plant; and a historic underground storage tank (UST) that was identified by review of Sanborn Fire Insurance Maps of the Property. The investigation included the use of a GPR survey to identify any underground structures, utilities, or obstructions, and the collection of soil samples. These samples were collected from borings through the asphalt parking lot, around the old UST and in the area of the historic coal gasification plant, on March 27, 2007. A Geoprobe drill rig was utilized to obtain nine (9) soil and three (3) groundwater samples, with five (5) additional soil samples obtained by hand auguring. The general sample types, locations and depths were selected to determine the overall extent and magnitude of potential contamination resulting from the former site use. The samples were analyzed for volatile organic compounds (VOC), base neutrals and acid extractable (BNA), and Priority Pollutant List Metals at an accredited laboratory.
>
> The following is a summary of the conclusions of the Limited Phase II Investigation:
>
> 1. The results of the investigation have identified the presence of contamination which could be attributed to past site usage. The environmental concerns identified through laboratory and field observations are the presence of metals and Polynuclear Aromatic Hydrocarbons (PAHs) present in the soil and groundwater. It appears that the contamination identified is

the result of former coal gasification processes conducted on site. Elevated levels of metals and PAHs are wide spread throughout the property. Minimal risk of exposure is expected in the areas of the parking lot and/or lawn area. Any excavation or prolonged contact with the subsurface soils may potentially cause exposure to the subsurface contaminants. Due to the wide spread presence of elevated metals and PAHs around the property, Hillmann has determined that the contamination encountered did not originate from the historic UST, but as a result of the historic coal gasification plant. The historic UST was not found to have impacted the surrounding environment. Hillmann understands that Omni is in the process of obtaining a "Property Use and Work Plan" to protect against possible contamination exposure. This document will provide insight on which procedures to follow during excavation activities. This document will be site specific and will only pertain to the subject property. A copy of the work plan will be located at the facility.

The following items were recommended by the Limited Phase II Investigation:

1. Hillmann recommends leveling out the current garden area, then placing an impermeable membrane, as a separating layer, on top of the current soil surface to prevent any current contamination from possibly impacting clean soil in the garden area. A minimum of two (2) feet of certified, clean soil should be placed on top of the impermeable membrane and the garden beds assembled on top of this layer of clean soil. This should prevent the root systems of plants growing in the garden from reaching and possibly absorbing contamination from soils below the impermeable layer. This remediation technique should also protect residents or other individuals working in the garden from contaminants present in the soil.

2. It is recommended that air monitoring be performed on the first level of the housing complex due to the publications of vapor intrusion possibilities. Air monitoring will determine if there is any vapor intrusion present at the subject property. Hillmann is currently under contract wit Omni to provide air-monitoring testing.

3. The former Bayeaux Street manufacturing gas plant (MGP) was located on the corner of Main Street and North Perry (formerly Bayeaux Street), and is currently occupied by Admiral Halsey Senior Village. Hillmann has contacted the NYSDEC directly, and was informed that although compounds have been identified on site at levels above current clean up standards, there is no requirement to report a spill to the NYSDEC. Therefore Hillmann does not recommend reporting the results to the NYDEC at this time provided the completed "Property Use and Work Plan" is maintained on site, and is provided to any person conducting work below the surface at this site.

*<u>Vapor Intrusion Investigation</u>, dated July 9, 2007, prepared on behalf of Admiral William F. Halsey Senior Center.*

This report was conducted at the recommendation of the Hillmann Limited Phase II Investigation to further investigate the potential for vapor intrusion due to residual subsurface impacts from a historic manufactured gas plant (MGP) located at the Property. The work included a Pre-Inspection of the site with a visual inspection and measurements of Volatile Organic Compounds (VOCs) with a Photo Ionization Detector (PID); and vapor intrusion sampling consisting of the placement of six (6) summa canisters for a total duration of 24 hours. The summa canisters were analyzed for VOCs via the TO-15 Method as required for compliance with USEPA and NYDOH guidelines.

The report found that observed testing results were not indicative of vapor intrusion due to abandoned manufactured gas plants (MGP). The majority of the results were below the limit of detection for the analytical method employed. A small fraction of the results exceeded the limit of detection. These exceedances were randomly located and the constituents are consistent with common cleaning products. None of the areas with observed concentrations had a combination of components that could be associated with MGP vapor intrusions. In addition, the levels are likely to be transient and of little concern. Similar levels are often observed in occupied living spaces that have no potential for MGP vapor intrusion.

The report concluded that indoor air quality was not anticipated to cause occupant illness or require immediate remediation. Follow-up investigating and sampling should be conducted in the areas where increased volatile organic compounds (not suspected of being vapor intrusion) exist. Furthermore, the follow-up sampling on a periodic basis may be prudent (such as annual or bi-annual) to ensure these conditions do not change over time. If significant changes occur at the building (increase or decrease HVAC, digging, vibration, etc) the potential for vapor intrusion may increase.

*Soil & Groundwater Contamination Health & Safety Plan, dated July 11, 2007, prepared on behalf of Admiral Halsey L.P by Environmental Health Investigations, Inc.*

This report establishes the policy for managing potential exposures to chemicals which exist in low concentrations within the soil and ground water associated with the Admiral William F. Halsey Senior Village property located at 135 Main Street in Poughkeepsie, New York.

# 6.0 SITE RECONNAISSANCE/INTERVIEWS

## 6.1 Site Reconnaissance/Interviews

Hillmann revisited the Property on March 27, 2007 in conjunction with the Phase II Investigation activities on the exterior of the Property; and on June 15, 21 & 22, 2007 in conjunction with assessment for vapor intrusion within the existing building.

During Hillmann's observations of the property during the subsequent visits did not reveal via visual inspection any environmental conditions substantially different from those encountered during the prior Phase I ESA. No additional evidence of any recognized environmental conditions were encountered.

Property management completed an environmental questionnaire that was provided in conjunction with this assessment update. Ms. Sue Kimmerle of Admiral Halsey Senoir Village completed the questionnaire on behalf of the property management. The completed questionnaire did not indicate any evidence of recognized environmental conditions other than those discussed in the prior Phase I ESA.

# 7.0 NON-ASTM SCOPE CONCERNS

## 7.1 Asbestos-Containing Material (ACM)

Property management provided a copy of an Asbestos Inspection Survey and Operations and Maintenance Program of the property prepared by EHI and dated June 15, 2007. The survey report identifies the presence of asbestos containing floor tile and associated mastic, boiler flue insulation, boiler gasket material and electrical insulation at the Property.

### 7.2 Lead-Based Paint

Based on age of the building, lead-based paint may be present at the Property. In general, painted surfaces in the occupied areas of the building were noted to be in good condition with no significant areas of peeling or chipping noted.

### 7.3 Radon

Radon is a naturally occurring, colorless, odorless gas that is a byproduct of the decay of radioactive materials potentially present in bedrock and soil. Radon gas may enter the lowest level of a building through floor cracks, structural joints or plumbing conduits. The United States Environmental Protection Agency (USEPA) guidance level for annual residential exposure to radon is 4.0 picocuries per liter of air (pCi/L). The guidance level is not a regulatory requirement for private owners of commercial real estate, but is commonly used for comparison purposes to suggest whether further action at a building may be prudent.

Based on information obtained from data obtained by the US EPA, the Property is located in an area with a high potential for radon concentrations that exceed current USEPA action guidelines. Dutchess County is classified as a Zone 1 or ‘high risk’ area for radon. Radon tests have been conducted for the zip code 12601 and have shown results less than the action level of 4Pci/L. The average result for the living areas was 1.690 pCi/L, and for basements was 3.630 pCi/L.

### 7.4 Mold

Hillmann conducted a cursory inspection of the accessed areas of building interior for amplified mold growth and conditions conducive to amplified mold growth. No evidence of amplified mold growth, or conditions conducive to amplified mold growth, was noted at the time of the assessment.

# 8.0 REGULATORY RECORD REVIEWS

The databases discussed in this section, provided by Environmental Data Resources of Milford, CT, were reviewed for information regarding documented and/or suspected releases of regulated hazardous substances and/or petroleum products on or near the Property. Hillmann also reviewed the "unmappable" listings within the database report, cross-referencing available address information and facility names. Unmappable sites are listings that cannot be plotted with confidence, but are identified as being located within the general area of the Property based on the partial street address, city name or zip code. In general, a listing cannot be mapped due to inaccurate or incomplete address information in the database that was supplied by the corresponding regulatory agency. Any listings from the unmappable summary that were identified by Hillmann as a result of the area reconnaissance and/or cross-referencing to mapped listings are included in the corresponding database discussion within this section.

| REGULATORY DATABASE | SEARCH DISTANCE | ON-SITE LISTINGS | ADJ. PROPERTY LISTINGS | TOTAL WITHIN SEARCH DISTANCE |
|---|---|---|---|---|
| Fed. NPL | 1-mile | 0 | 0 | 0 |
| Fed. Delisted NPL | 1-mile | 0 | 0 | 0 |
| Fed. CERCLIS | ½-mile | 0 | 0 | 0 |
| Fed. CERCLIS-NFRAP | ½-mile | 0 | 0 | 1 |
| Fed. RCRA CORRACTS | 1-mile | 0 | 0 | 0 |
| Fed. RCRA TSD | ½-mile | 0 | 0 | 0 |
| Fed. RCRA Gen. | Site & Adj. | 0 | 0 | |
| Fed. ERNS | Site | 0 | | |
| State & Tribal equiv. NPL | 1-mile | 0 | 0 | 0 |
| State & Tribal equiv. CERCLIS | ½-mile | 0 | 0 | 0 |
| State & Tribal SWF/LF | ½-mile | 0 | 0 | 1 |
| State & Tribal LTANK | ½-mile | 0 | 0 | 23 |
| State & Tribal Registered Stor. Tank | ½-mile | 1 | 1 | |
| State & Tribal Eng. Control List | ½-mile | 0 | 0 | 0 |
| State & Tribal Inst. Control List | ½-mile | 0 | 0 | 0 |
| State & Tribal VCP | ½-mile | 0 | 0 | 0 |
| State & Tribal Eng. Brownfields | ½-mile | 0 | 0 | 0 |

- *The results of the review for each database are discussed below. The locations for the facilities discussed in this section are shown on the figures in the EDR report, included as Appendix E. Facilities listed on databases that are greater than 1 mile distant from the Subject Property are situated too far away to present a recognized environmental condition. Consequently, only those facilities that are located within a mile and are situated in a presumed up gradient location are discussed in detail below. Certain facilities listed on databases are recognized to present an environmental condition only if they are within a ¼ mile or ½ mile distant from the Subject Property.*

- *According to the EPA Policy Toward Owners of Property Containing Contaminated Aquifers, dated July 3, 1995, the EPA will not take enforcement action against a property owner who owns property under which is an aquifer contaminated by subsurface migration from an off site source or sources. Therefore, the Subject Property owner would not be liable for any contamination of the underlying aquifer that was attributed to an off-site source.*

*Tribal Jurisdiction:* The Property is not located within an area that is under Tribal jurisdiction.

### 8.1 Federal Agency Record Review

**EPA - The National Priorities List (NPL)**, also known as the Superfund list, is the United States Environmental Protection Agency (EPA) listing of uncontrolled or abandoned hazardous waste sites. These sites are targeted for possible long-term remedial action under the Superfund Act of 1980. The list is primarily based on the EPA's Hazardous Ranking System.

- The Property was not listed as an NPL facility.
- No NPL listings were identified within a one-mile radius of the Property.

**EPA – Delisted NPL Site List (DNPL)** provides a list of sites formerly listed on the NPL that have since been "de-listed" after the EPA has determined that no further response is appropriate.

- The Property was not listed as a DNPL facility.
- No DNPL listings were identified within a ½-mile radius of the Property.

**EPA - The Resource Conservation and Recovery Information System (RCRIS)** is a database of facilities, which generate or treat, store or dispose of EPA regulated hazardous waste, or meet other applicable requirements of the Resource Conservation and Recovery Act (RCRA). Inclusion on this database does not imply that mishandling or a release of hazardous waste has occurred at the facility. RCRIS categories are as follows:

***Treatment, Storage, and Disposal Facilities (TSD)***. Facilities listed under TSD are sites that treat, store and/or dispose of EPA regulated hazardous waste.

- The Property was not listed as TSD facility.
- No TSD listings were identified within a ½-mile radius of the Property.

***Corrective Action (CORRACTS) list*** is a list of hazardous waste treatment, storage or disposal facilities and other RCRIS facilities (due to past interim status or storage of hazardous waste beyond 90 days) that have been notified by the USEPA to undertake corrective action under RCRA.

- The Property was not listed as a CORRACTS facility.

- No CORRACTS listings were identified within a one-mile radius of the Property.

***Large Quantity Generators (LQG)***. Facilities listed under LQG either generate more than 1000 kg of EPA regulated hazardous waste per month, or meet other applicable requirements of RCRA.

- Neither the Property nor any adjoining properties were identified on the LQG database.

***Small Quantity Generators (SQG)***. Facilities listed under SQG either generate from 100 kilograms (kg) to 1000 kg of EPA regulated hazardous waste per month, or meet other applicable requirements of RCRA.

- Neither the Property nor any adjoining properties were identified on the SQG database.

**EPA - The Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS)** is the EPA database of known or suspected uncontrolled or abandoned hazardous waste sites. These sites have either been investigated, or are currently under investigation, by the EPA for the release or threatened release of hazardous substances.

- The Property was not identified on the CERCLIS database.

- No CERCLIS listings were identified within a ½-mile radius of the Property.

**EPA – CERCLIS-NFRAP (No Further Remedial Action Planned)** is the EPA database of archived sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time.

- The Property was not identified on the CERCLIS-NFRAP database.

- One (1) CERCLIS-NFRAP listing was identified within a ½-mile radius of the Property. The listed site is identified as Berncolors-Poughkeepsie, Inc. at 75 North Water Street, located approximately 1,795 feet to the northwest and down gradient from the Property based on area topography. Considering the NFRAP status of the listing, distance and topographic relation, this site is not considered a recognized environmental condition in connection with the Property.

**EPA - The Emergency Response Notification System (ERNS)** is a national database used to store information concerning the sudden and/or accidental release of hazardous substances, including petroleum, in quantities greater than the reportable quantity, as maintained at the National Response Center. The database contains preliminary information from spill reports made to various federal departments including the EPA.

- No listings were identified for the Property.

## 8.2 State Agency Record Review

**State Hazardous Waste Sites (SHWS)** database contains potential or confirmed hazardous substance release properties. This is the state equivalent to NPL *and* CERCLIS.

- The Property was not identified on the SHWS database.
- No SHWS listings were identified within a one-mile radius of the Property.

**Solid Waste Facility/Landfill (SWF/LF)** list provides information on the location of registered state landfills and associated transfer facilities.

- The Property was not identified on the SWF/LF database.
- One (1) SWF/LF listing was identified within a ½-mile radius of the Property. The listed site is identified as G.F. Refuse Transfer Station at 240 Main Street, located approximately 1,495 feet to the east-southeast and cross gradient from the Property based on area topography. No violations were reported. Considering the status of the listing, distance and topographic relation, this site is not considered a recognized environmental condition in connection with the Property.

**Leaking Storage Tank (LTANK)** is a comprehensive listing of all reported active and inactive leaking storage tank sites.

- The Property was not identified on the LTANK database.
- Twenty-three (23) LTANK listings were identified within a ½-mile radius of the Property. The closest listing in proximity to the Property is identified as Poughkeepsie City School at 12 South Terry Street, located approximately 270 feet to the south-southeast and cross gradient from the Property based on area topography. The case is reported as "Closed" on October 9, 1992. Considering the status of the listing, distance and topographic relation, this site is not considered a recognized environmental condition in connection with the Property.

**Registered Storage Tank Database** is the listing of registered storage tank sites. This includes the NYSDEC AST and UST databases.

- The Property was not identified on the AST database.
- No adjoining properties were identified on the AST database.
- The Property was identified on the UST and Historical UST databases as a closed UST facility, PBS #3-601156, with a single steel 10,000-gallon fuel oil UST reported as closed on October 1, 1997.

- One (1) adjoining property was identified on the UST database. The site is identified as River Care Nursing Home at 139-144 Main Street, located to the south across Main Street and topographically cross gradient from the Property based on area topography. The database reported one 1,500-gallon steel heating oil UST at this facility. This site was not listed on the LTANK or NY Spills database with any active spill cases. Considering the status of the listing and topographic relation, this site is not considered a recognized environmental condition in connection with the Property.

**Engineering Controls Site Listing (ENG Controls)** list provides information on the location of remediation sites using engineering controls as part of the response action. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

- The Property was not identified on the ENG Control database.

- No ENG Control listings were identified within a ½-mile radius of the Property.

**Institutional Controls Site Listing (INST Controls)** list provides information on the location of remediation sites using institutional controls as part of the response action. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

- The Property was not identified on the INST Control database.

- No INST Control listings were identified within a ½-mile radius of the Property.

**Voluntary Cleanup Program (VCP)** list provides information on the location of sites involved in a Voluntary Cleanup Program. Under a Voluntary Cleanup Program, a property owner will voluntarily enter into an agreement with a state or local environmental regulatory agency to conduct investigation and remediation for specific area(s) of concern.

- The Property was not identified on the VCP database.

- No VCP listings were identified within a ½-mile radius of the Property.

**Brownfields (BF)** list provides information on the location of sites involved in a state or local Brownfields program.

- The Property was not identified on the BF database.

- No BF listings were identified within a ½-mile radius of the Property.

The Property is not identified on any other database not covered by the ASTM standards.

Review of the remaining sites identified with the ASTM search parameters did not identify any sites that are considered to be recognized environmental conditions in connection with the Property.

### 8.3 Local Government Agencies

City of Poughkeepsie:
Hillmann submitted Freedom of Information Act request letters to the City of Poughkeepsie requesting available file information regarding the Property. A response was not received prior to the issuance of this report.

## 9.0 ENVIRONMENTAL PROFESSIONAL STATEMENT

I declare that, to the best of my professional knowledge and belief, I meet the definition of *Environmental Professional* as defined in §312.10 of 40 CFR 312. I have the specific qualifications based on education, training, and experience to assess a *property* of the nature, history, and setting of the subject *property*. Hillmann has developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.



David H. Rutherford
Environmental Professional

## 10.0 REFERENCES

Phase I Environmental Site Assessment, Hillmann Group LLC, 2007

EDR Radius Map Report with GeoCheck, Environmental Data Resources, 2007

# 11.0 APPENDICES

| | |
|---|---|
| Appendix A | Maps/Diagrams |
| Appendix B | Reference Documentation |
| Appendix C | Regulatory Database Report |

**Appendix A**

**Maps/Diagrams**



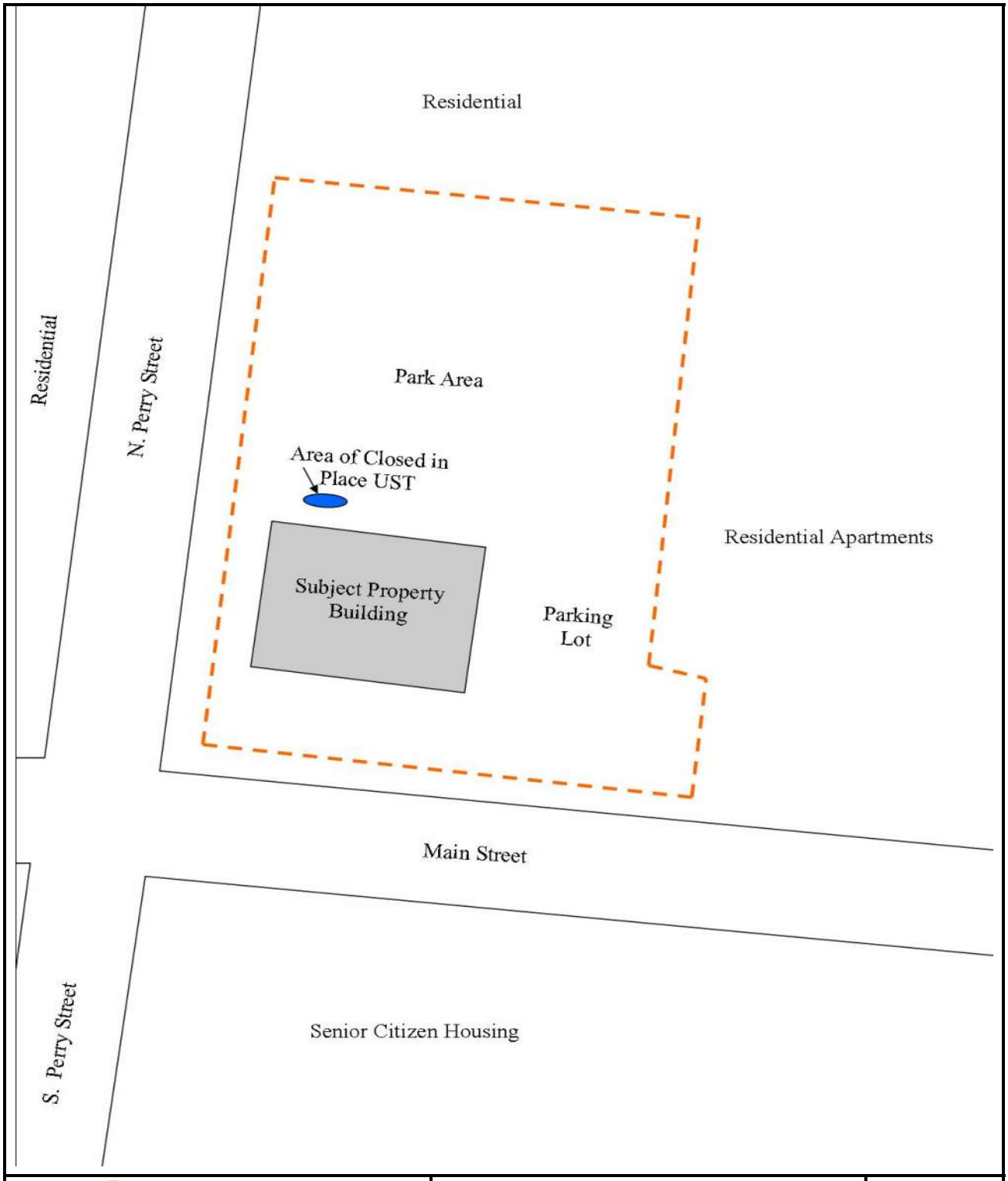

HILLMANN GROUP, LLC

**Site Vicinity Map**

135 Main Street
Poughkeepsie, NY

E3-1931

N




HILLMANN GROUP, LLC

**Site Diagram**
135 Main Street
Poughkeepsie, NY

**E3-1931**

**(NOT TO SCALE)**

**North**

**Appendix B**

**Reference Documentation**

HILLMANN GROUP, LLC

# PHASE I ENVIRONMENTAL SITE ASSESSMENT



135 MAIN STREET
POUGHKEEPSIE, NEW YORK 12601

JANUARY 22, 2007

HILLMANN PROJECT #E3-1931

PREPARED FOR:
ADMIRAL HALSEY, L.P.
C/O OMNI NEW YORK, LLC
885 SECOND AVE, 31ST FLOOR, SUITE C
NEW YORK, NY 10017

ALLIANT CREDIT FACILITY, LTD ISAOA
ALLIANT CREDIT FACILITY, ALP, LLC ISAOA
21600 OXNARD STREET, SUITE 1200
WOODLAND HILLS, CA 91367

NEW YORK STATE FINANCE AGENCY
641 LEXINGTON AVE, 4TH FLOOR
NEW YORK, NY 10022

HILLMANN GROUP, LLC

January 22, 2007

Admiral Halsey, L.P.
c/o Omni New York, LLC
885 Second Ave, 31st Floor, Suite C
New York, NY 10017
Attn: Ms. Lulu Chou

Alliant Credit Facility, Ltd ISAOA
Alliant Credit Facility, ALP, LLC ISAOA
21600 Oxnard Street, Suite 1200 Woodland Hills, CA 91367

New York State Finance Agency
641 Lexington Ave, 4th Floor
New York, NY 10022

**RE: Phase I Environmental Site Assessment**
135 Main Street
Poughkeepsie, New York 12601
Hillmann Project No. E3-1931

Dear Ms. Chou:

Hillmann Group, LLC, is pleased to provide the results of our Phase I Environmental Site Assessment of the above referenced property. This assessment was performed in accordance with the scope and limitations of ASTM Practice E 1527-05.

This report is for the exclusive use of the entities named on the front cover, its affiliates, designates and assignees, rating agencies, prospective bond holders and bond holders, and no other party shall have any right to rely on any service provided by Hillmann Group, LLC, without prior written consent.

We appreciate the opportunity to provide engineering services. If you have any questions concerning this report, or if we can assist you in any other matter, please contact the undersigned at 908-688-7800.

Very Truly Yours,
**Hillmann Group, LLC**

Stephanie Myers
Project Manager

David Rutherford
Environmental Professional

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## 1.0 EXECUTIVE SUMMARY

At the request of Omni (Client), Hillmann Group, LLC (Hillmann), performed a Phase I Environmental Site Assessment (ESA) of the property located at 135 Main Street in Poughkeepsie, New York (the Property). This assessment has been conducted utilizing generally accepted Phase I ESA industry standards in accordance with the ASTM Standard Practice E 1527-05 for Phase I Environmental Site Assessments.

### 1.1 Property Summary Table

A summary of the pertinent details of the project is provided below:

| **PROJECT SUMMARY TABLE** | | | | | |
|---|---|---|---|---|---|
| **Name of Client** | Omni | | | | |
| **Client Project No.:** | None Provided | | | | |
| **Client Contact:** | Lulu Chou | | | | |
| **Description of Project** | Phase I Environmental Site Assessment | | | | |
| **Property Name:** | 135 Main Street | | | | |
| **Property Address:** | 135 Main Street | | | | |
| **City:** | Poughkeepsie | **County:** | Dutchess | **State:** | New York |
| **Tax Map designation:** | | **Block:** | 76 | **Lot:** | 911 |
| **Property Area:** | 2.20 acres | | | | |
| **Building Area:** | Approximately 98,000 ft² | | | | |
| **Property Usage:** | Residential | | | | |
| **Year Built:** | 1975 | | | | |
| **Property Owner:** | Admiral William F. Halsey Village I SR | | | | |
| **Zoning Information:** | Not Provided | | | | |
| **Assessment Personnel:** | Ms. Stephanie Myers | | | | |
| **Accompanied/Escorted By:** | Ms. Sue Kimmerle, Property Manager | | | | |
| **Property Contact Phone Number:** | Ms. Sue Kimmerle, (845) 471-9788 | | | | |
| **Inspection Date:** | November 14, 2006 | | | | |
| **Weather Conditions:** | Cloudy, 55º F | | | | |

## 1.2 Summary of Findings

The following table summarizes the individual sections of this assessment. This table, alone, does not constitute the complete assessment. The report must be reviewed in its entirety.

| FINDINGS SUMMARY | | | | |
|---|---|---|---|---|
| ASSESSMENT SECTION | ACCEPTABLE | O&M RECOM'D | REC/ FURTHER ACTION | REF. SECTION |
| Historical Review | | | X | 5.0 |
| Regulatory Review | X | | | 8.0 |
| Site Use | X | | | 3.2/6.2 |
| Hazardous Materials | X | | | 6.3 |
| USTs | | | X | 6.6 |
| ASTs | X | | | 6.6 |
| PCBs | X | | | 6.7 |
| Waste / Discharges | X | | | 6.4/6.5 |
| ACM | | | X | 7.1 |
| Lead Paint | X | | | 7.2 |
| Drinking Water Quality | X | | | 6.11 |
| Radon | X | | | 7.3 |
| Adjoining/Surrounding Area | X | | | 3.6 |

## 1.3 Conclusions

Hillmann has performed a Phase I Environmental Site Assessment in accordance with the scope and limitations of ASTM Practice E 1527-05 of the Property as described in Section 3 of this report. Any additions to, exceptions to, or deletions from this practice are described in Section 2 of this report. This assessment has revealed no evidence of *recognized environmental conditions* (RECs) in connection with the Property, except for the following:

- Prior to the current use, the Property was improved for various commercial uses including retail stores, a dairy facility, a pottery facility and a coal gas plant. Potential historic use impacts to the Property may include residual contamination generated by operations at the gas works site, including, but not limited to, coal tar and polyaromatic hydrocarbons (PAHs), and residual contamination generated by operations at the dairy site, including oil, grease and gasoline range organics, as well as the indicated presence of a gasoline UST on historic Sanborn maps. The Dutchess County Environmental Health Department, in response to an information request, indicated that Property is the site of the former Bayeaux

Street Coal Gasification Plant and referenced a NYSDEC regulatory case # (314070). The NYSDEC case file was requested and obtained for review. The case file contained a 1987 Phase I Investigation report of the former Bayeaux Street Coal Gas Plant. The Phase I report concluded that there was insufficient data to adequately characterize the site; and recommended a Phase II study. No documentation of any subsequent Phase II investigation was contained in the NYSDEC Case File.

- Ms. Sue Kimmerle of the Admiral W. F. Halsey Senior Village indicated that a 10,000-gallon heating oil UST was closed in place on the Property in 1976 and that soil and groundwater sampling was previously conducted within the last ten to fifteen years in the area of the former gas works on the Property. Hillmann was not provided with documentation regarding the UST closure and subsurface sampling.

- The Property was identified on the UST regulatory database with a single steel 10,000-gallon fuel oil UST with the status "closed". The site contact indicated that the former UST was filled with a concrete slurry and closed in place on the Property in 1991. Evidence of this UST was not observed on the Property during the site assessment. Documentation regarding the closure of the UST was not provided for review.

This assessment has revealed the following notable conditions:

- The Property utilizes one hydraulic trash compactor unit located in the basement. Considering the age of construction (1975), hydraulic fluid within the system may contain PCBs. No evidence of any significant release was observed from the trash compactor unit on the Property.

Hillmann has also performed cursory evaluations for ASTM "Non-Scope" items, such as asbestos-containing materials, lead-based paint, radon and mold. Our observations and research identified the following potential concerns:

- A limited visual screening for asbestos-containing materials (ACM) was conducted during the assessment. Suspect non-friable materials observed in good condition included suspended ceiling tiles, sheetrock, vinyl floor tiles and roofing materials. Suspect friable materials observed in damaged condition included approximately 15 square feet of boiler insulation, approximately 15 linear feet of pipe insulation and approximately 15 square feet of spray-on fireproofing. Additional suspect materials may be present in areas not specifically accessed; or in areas that are enclosed behind walls and above ceilings.

- Based on age of the building, lead-based paint may be present at the Property. In general, painted surfaces in the occupied areas of the building were noted to be in good condition with no significant areas of peeling or chipping noted.

- The Property is located in an EPA designated high-risk area for Radon; however county and local testing data reviewed did not indicate the Property zip code to be a high risk area.

## 1.4 Recommendations

- Copies of any prior soil and groundwater testing of the Property should be sought for review. In the absence of such Phase II data, a Phase II Site Assessment should be considered to determine whether the soil and groundwater at the Property was impacted by the former gas works and historic gasoline UST. Estimated cost budget for Phase II Site Assessment - $10,000 to $15,000.

- Documentation of the closure of the 10,000-gallon heating oil UST should be provided for review. If the documentation is not available from the Property, a Phase II Site Assessment should be considered to determine if the former UST impacted soil and groundwater at the property. See previous paragraph for estimated cost budget.

- If the Property is to be redeveloped, Hillmann recommends that any soil material, which is to be disturbed and or excavated during the proposed development, should be properly characterized prior to off-site disposal. If the material is suspected to contain hazardous material and/or waste, it should be stockpiled on site and further assessed by properly trained personnel. This assessment may include collection of soil samples for waste characterization analysis. In addition, if any storage tanks or other sub-grade systems are discovered during the redevelopment, the systems should be properly removed in accordance with all applicable rules and regulations.

- Prior to any renovations or alterations of the Property, sampling of any suspect ACM should be conducted. If ACM is identified, compliance with all regulations regarding these materials, including appropriate notifications, is recommended.

- Prior to any renovations or alterations at the Property, sampling of any suspect lead-based paint should be conducted. If lead-based paint is identified, the borrower is required to comply with all regulations regarding these materials, including appropriate notifications.

# 2.0 PURPOSE AND LIMITATIONS

## 2.1 Purpose and Scope

Hillmann Group, LLC, was retained by Omni to conduct a Phase I Environmental Site Assessment of the Property in accordance with the scope of work detailed in the Hillmann Group contact.

This assessment was conducted utilizing generally accepted Phase I ESA industry standards in accordance with the ASTM Standard Practice E 1527-05. The ASTM describes these methodologies as representing good commercial and customary practice for conducting an Environmental Site Assessment of a property for the purpose of identifying recognized environmental conditions.

The term *recognized environmental conditions (RECs)* is defined by the ASTM as the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, ground water or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include *de minimis* conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be *de minimis* are not *REC*s.

The chief components of this assessment are described as follows:

- Review and discussion of current Property conditions regarding the presence or absence of hazardous chemicals/petroleum products; generation, treatment, storage, or disposal of hazardous, regulated, or medical wastes; electrical equipment that utilizes oils which potentially contain PCBs; and bulk storage tanks (above or below ground).

- Review and discussion of the usage of adjacent and nearby properties to identify the potential for contamination (if present and/or suspected) to migrate onto the Property.

- Summary of physical characteristics of the Property through a review of available topographic, geologic and groundwater data.

- Research of the historic uses of the Property through a review of reasonably ascertainable standard sources, such as fire insurance maps, city directories, aerial photographs, prior reports and interviews.

- A regulatory review of federal and state environmental databases, and other local environmental records, within specific search distances defined by the ASTM.

These methodologies are described as representing good commercial and customary practice for conducting an Environmental Site Assessment of a property for the purpose of identifying recognized environmental conditions.

A cursory evaluation for the following "Non-ASTM" concerns, such as the following:

- Suspect Asbestos-containing Materials
- Lead-based Paint
- USEPA Designated Radon Potential
- Indoor Air Quality (IAQ)/Mold

## 2.2 Inaccessible Locations

Hillmann is not aware of any notable areas of the Property that were excluded from our visual inspection.

## 2.3 Limitations and Exceptions

Historic research data gaps are detailed in Section 5, if applicable. No other exceptions or deletions from the ASTM Standard E 1527-05 are reported.

## 2.4 Abbreviations/Acronyms

Hillmann may use the following abbreviations and acronyms for common terminology described in our report. Not all abbreviations or acronyms may be applicable to this report:

ACM – Asbestos-containing Material
AST – Aboveground Storage Tank
ASTM – American Standard for Testing Materials
FOIA – Freedom of Information Act
HVAC – Heating Ventilation & Air Conditioning
HREC – Historic Recognized Environmental Condition
IAQ – Indoor Air Quality
LBP – Lead-based Paint
LTANK – Leaking Storage Tank
MSDS – Material Safety Data Sheet
REC – Recognized Environmental Condition
UST – Underground Storage Tank

## 2.5 Special Terms and Conditions

Hillmann has prepared this Phase I Environmental Site Assessment using reasonable efforts in each phase of its work to identify recognized environmental conditions associated with hazardous substances, wastes and petroleum products at the Property. The methodology of this Phase I Environmental Site Assessment was consistent with the ASTM Standard Practice for E 1527-05. Findings within this report are based on information collected from observations

made on the day of the site investigation and from reasonably ascertainable information obtained from governing public agencies and private sources.

This report is not definitive and should not be assumed to be a complete or specific definition of the conditions above or below grade. Information in this report is not intended to be used as a construction document and should not be used for demolition, renovation or other construction purposes. Hillmann makes no representation or warranty that the past or current operations at the Property are, or have been, in compliance with all applicable federal, state and local laws, regulations and codes.

Findings, conclusions and recommendations presented in this report are based on our visual observations of the Property, the municipal research findings reasonably obtained, information provided by the Client, and/or a review of readily available and supplied drawings and documents. Hillmann relies completely on the information, whether written, graphic or verbal, provided by the subject Property contact(s) or as shown on any documents reviewed or received from the subject Property contact, owner or agent, or municipal source, and assumes that information to be true and correct. Although there may have been some degree of overlap in the information provided by these various sources, Hillmann did not attempt to independently verify the accuracy or completeness of all information reviewed or received during the course of this assessment.

Regardless of the findings stated in this report, Hillmann is not responsible for consequences or conditions arising from facts that were concealed, withheld or not fully disclosed at the time the assessment was conducted.

This report does not warrant against future operations or conditions, nor does it warrant against operations or conditions present of a type or at a location not investigated.

The regulatory database report provided is based on an evaluation of the data collected and compiled by a contracted data research company. The report focuses on the Property and neighboring properties that could impact the Property. Neighboring properties listed in governmental environmental records are identified within specific search distances. The search distance varies depending upon the particular government record being checked. The regulatory research is designed to meet the requirements of ASTM Standard E 1527-05. The information provided in the regulatory database report is assumed to be correct and complete.

Subsurface conditions may differ from the conditions implied by the surface observations and can only be reliably evaluated through intrusive techniques.

Reasonable efforts have been made during this assessment to identify aboveground and underground storage tanks and ancillary equipment. “Reasonable efforts” are limited to information gained from visual observation of largely unobstructed areas, recorded database information held in public record and available information gathered from interviews. Such methods may not identify subsurface equipment that may have been hidden from view due to parked automobiles and other vehicles, snow cover, vegetative growth, pavement, construction or debris pile storage or incorrect information from sources.

Hillmann is not a professional title insurance firm and makes no guarantee, explicit or implied, that the records which were reviewed represent a comprehensive or precise delineation of past Property ownership or tenancy for legal purposes.

# 3.0 PROPERTY DESCRIPTION

## 3.1 Property Location

The Property is located at 135 Main Street in Poughkeepsie, New York and is identified as Block 76, Lot 911 on the Duchess County, New York tax map. The latitude is North 41. 70540 degrees; longitude is West 73.93400 degrees.

## 3.2 Site and Vicinity Characteristics

The Property consists of an irregular shaped 2.20-acre parcel that fronts on the northeast corner of the intersection of Main Street and North Perry Street. The county-designated use of the site is *Apartments*. The area surrounding the Property is developed primarily with residential and commercial properties.

## 3.3 Current Use of the Property

The Property is currently occupied as a senior housing complex. No industrial process operations are conducted on the site.

## 3.4 Description of Property Improvements

The Property is developed with a 13-story plus basement, approximately 98,000-ft², apartment building constructed in 1975 and surface-level parking. The building has a masonry exterior and flat built-up roof system. Interior construction finishes noted during the assessment included and sheetrock walls, carpeted and vinyl tiled floors and suspended acoustic tile and sheetrock ceilings.

## 3.5 Utilities/Source of Heating

The Property is heated by a natural gas-fired boiler system located in the basement. Natural gas service is provided to the Property by the Hess Corporation. Electric service is provided by Central Hudson Power. Water and sewer services are provided by the City of Poughkeepsie.

## 3.6 Current Uses of the Adjoining Properties

The following describes adjacent and abutting properties:

| DIRECTION | DESCRIPTION |
|---|---|
| **North-** | Apartments |
| **East-** | Apartments |
| **South-** | Senior housing across Main Street |
| **West-** | Single-family residential across North Perry Street |

## 3.7 Physical Setting

### 3.7.1 Topography:

Based on a review of the United States Geological Survey (USGS) Poughkeepsie, New York 7.5 Minute Series Topographic Quadrangle Map, the Property is located at approximately 112 feet above mean sea level. The terrain at the Property is generally flat with a regional trend that slopes slightly downward to the west. The closest down gradient water body is the Hudson River.

### 3.7.2 Soils

Based on the United States Department of Agriculture - Soil Conservation Service data, the soil type at the Property is classified as Udorthents. This soil type is characterized by a loam surface texture and is well drained with an intermediate water holding capacity.

### 3.7.3 Geology

The property is underlain by a stratified sequence of materials of the Paleozoic Era, Ordovician System and Middle Ordovician Series. The depth to bedrock is typically greater than 60 inches.

### 3.7.4 Hydrology

Site specific data regarding depth to groundwater and groundwater flow direction was not available to Hillmann at the time of the assessment. Based on the topography noted at the Property, as well as review of the 7.5 minute series USGS topographic map showing the Property, groundwater is expected to flow generally to the west. Groundwater levels and/or flow direction(s) may vary due to seasonal fluctuations in precipitation, local usage demands, geology, underground structures or dewatering operations.

Wetlands are not suspected at the Property. The closest waterway is the Hudson River, located approximately 3/8 of a mile to the west.

According to the FEMA Flood Plain Panel #3602220001B, the property is not located within a 100 or 500 year flood zone.

# 4.0 USER PROVIDED INFORMATION

## 4.1 Title Records/Environmental Liens/Activity and Use Limitations

Review of title records is not included in the scope of work for this assessment project. No information regarding environmental liens or activity and use limitations was provided to Hillmann by the Client.

## 4.2 Specialized Knowledge or Experience

No indication of any specialized knowledge or experience regarding the Property was recorded to Hillmann by the client.

## 4.3 Commonly Known or Reasonably Ascertainable Information

No indication of any commonly known or reasonably ascertainable information was provided by the Client.

## 4.4 Property Value Reduction due to Environmental Conditions

No information was provided by the Client to Hillmann regarding a reduction in value of the Property value due to environmental problems or conditions.

## 4.5 Reason for Performing Phase I ESA

It is Hillmann's understanding that the Phase I ESA was being performed to assist in determining future development issues.

# 5.0 HISTORICAL RECORDS REVIEW

Hillmann has conducted research in order to help identify the likelihood of past uses having led to recognized environmental conditions in connection with the Property. Standard historical sources have been sought in an attempt to document the past uses of the Property as far back as it can be shown that the Property contained structures; or from the time the Property was first used for residential, agricultural, commercial, industrial or governmental purposes.

## 5.1 Sanborn Fire Insurance Maps

Fire insurance maps were created for insurance underwriters and often contain information regarding the uses of individual structures and the locations of fuel and/or chemical storage tanks that may have been on a particular property. These maps were generally prepared for urban areas beginning in the middle to late 1880s and continuing generally into the 1990s.

A search of Sanborn Fire Insurance Maps for the Property and surrounding area was conducted by Environmental Data Resources, Inc. (EDR) of Milford, Connecticut. Maps from 1887, 1895, 1913, 1950, 1952 and 1990 were provided.

The northern half of the Property is improved on the 1887 map with a portion of the "Poughkeepsie Gas Light Co." with multiple structures, including offices, coke and lime sheds, boiler houses, ash house, clarifier house and a large iron gas holder (tank). The southern half of the Property is improved with "A. Caire Poughkeepsie Pottery" with multiple structures, including wood sheds, clay house and baking oven house; and with multiple store structures fronting on Main Street.

The 1895 map indicates that the gas works site is abandoned, with the "foundation of gas tank underground" indicated. The remaining portions of the Property are generally unchanged.

The Property is shown on the 1913 map with a single small dwelling and small store on the former gas works site. The former pottery factory portion of the Property is indicated as a furniture warehouse and upholstery facility. The southern portion of the Property portion fronting on Main Street appears generally unchanged.

The Property is shown on the 1950 and 1952 maps with a portion of the "J. Schrauths Sons Division of Borden Co." facility on the areas of the site formerly occupied by the gas works and furniture warehouse, with several structures including an ice cream distribution center/parking garage with an oil pit and gasoline tank (GT) indicated, ice storage building, poultry market and a vacant building. The southern portion of the Property portion fronting on Main Street appears generally unchanged.

The Property is shown on the 1990 map with only a single 13-story apartment building indicated as "Adm. W. F. Halsey Senior Village" situated in the southwest corner of the lot. No other structures are indicated on the site. The date of construction is indicated as 1975-76.

## 5.2 Historical Topographic Map Review

A search of Historical Topographic Maps was provided for the Property and surrounding area by EDR. Maps from 1903, 1943, 1947, 1957, 1982 and 1995 were provided. No improvements to the Property are indicated on the 1903 and 1943 maps. The Property is depicted on the 1947, 1957, 1982 and 1995 maps in an area shaded to indicate dense development. The exact improvements are not shown.

## 5.3 Historic City Directories

City Directories provide listings, arranged by street address, of businesses and residences for the year in which the directory was published. A City Directory Abstract report was obtained from EDR. Directories for the years 1970 through 1995 at five-year intervals were provided. Based on the review of the report, the Property address, 135 Main Street, was not listed in the 1970 directory. The address was listed in the 1975 through 1995 directories as "Admiral William F. Halsey Senior Village Apartments".

## 5.4 Aerial Photograph Review

A search of Aerial Photographs for the Property and surrounding area was conducted by Environmental Data Resources, Inc. (EDR) of Milford, Connecticut. No Aerial Photograph coverage was available for this area.

## 5.5 Prior Investigation Reports

No prior investigations reports were provided to Hillmann for review.

Hillmann conducted a file review with the New York State Department of Environmental Conservation concerning the former Bayeaux Street Coal Gasification Plant. Documentation consisting of a series of reports concerning historic coal gasification plants located the City of Poughkeepsie were provided by the NYSDEC for review. Much of the documentation pertained to a historic coal gas plant located several blocks to the west of the Property along the Hudson River waterfront. A Phase I Investigation report of the Bayeaux Street Coal Gas Plant site was also included and is summarized below:

*Phase I Investigation, Poughkeepsie (Bayeaux Street) Coal Gasification Plant Site, City of Poughkeepsie, Dutchess County, New York; prepared by EA Science and Technology of Middletown, New York; on behalf of Central Hudson Gas & Electric Corporation, January 1987:*

The report indicated that a historic coal gas plant that formerly occupied the Property operated from approximately 1850 to 1911, at which time it was replaced by the Water Street plant located several blocks to the west. The report concluded the following:

> *"The available data are considered insufficient to prepare a final HRS (Hazard Ranking System) score for this site. There is no documentation of hazardous waste or*

*contamination at the former Poughkeepsie Bayeaux Street Coal Gas Plant site. Ground water and soil quality data are lacking.*

*"In order to prepare a final HRS score for this site, analytical data regarding the quality of the ground-water and soil, and characteristics of waste (if present), will be necessary, thus requiring performance of a Phase II investigation. The proposed Phase II study would include the performance of a soil vapor survey, the installation of 4 observation wells and the collection and analysis of ground-water and soil samples."*

No evidence of any subsequent Phase II studies or any other further investigation of the property concerning the former coal gas plant 3was noted in the NYSDEC files.

## 5.6 Knowledgeable Parties

Ms. Stephanie Myers of Hillmann completed an environmental questionnaire for the Property along with Ms. Sue Kimmerle of the Admiral W. F. Halsey Senior Village. Ms. Kimmerle indicated that a supermarket was located on the Property prior to development of the current improvements; a 10,000-gallon heating oil UST was closed in place on the Property in 1991; and soil and groundwater sampling was previously conducted in the area of the former gas works on the Property. Hillmann was not provided with documentation regarding the UST closure and subsurface sampling. Ms. Kimmerle indicated that she has been associated with the Property for 22 years.

## 5.7 Summary and Conclusion of Historic Use Research

The existing apartment building at the Property was originally constructed circa 1975. Prior to the current use, the Property was improved for various commercial uses including retail stores, a dairy facility, a pottery facility and a coal gas works. Potential historic use impacts to the Property may include residual contamination generated by operations at the gas works site, including but not limited to coal tar and polyaromatic hydrocarbons (PAHs), and residual contamination generated by operations at the dairy site, including oil, grease and gasoline range organics, as well as the indicated presence of a gasoline UST.

## 5.8 Data Gaps

Historic land use data prior to 1887 was not readily available at the time of the assessment. The date of the first developed use of the Property was not determined. The earliest usage of the Property determined by this assessment was industrial and commercial. It is Hillmann's opinion that further assessment of this data gap is not likely to result in findings that would significantly alter the conclusions of this assessment.

# 6.0 SITE RECONNAISSANCE/INTERVIEWS

## 6.1 Interviews

Ms. Stephanie Myers of Hillmann conducted the site reconnaissance on November 14, 2006. Ms. Myers was escorted during the site reconnaissance by Ms. Sue Kimmerle, the Property Manager. An environmental questionnaire for the Property was complete by Ms. Myers and Ms. Kimmerle.

## 6.2 Property Use

The Property is currently occupied as a senior housing complex. No industrial process operations are conducted on the site.

## 6.3 Hazardous Substance/Petroleum Products Storage/Handling

No significant hazardous substance/petroleum product storage or handling was noted at the Property at the time of the assessment, other than routine quantities of janitorial and maintenance products.

No evidence of any spills, releases of hazardous substances or petroleum products was noted at the Property during the site reconnaissance.

## 6.4 Waste Generation, Storage and Disposal

Municipal solid waste generated at the Property is stored in a container and disposed of by the municipal hauling service provided by the City of Poughkeepsie. No evidence of the generation, storage or disposal of hazardous waste was observed at the Property during the site reconnaissance.

## 6.5 Waste Discharges

Sanitary sewage generated at the Property is discharged into municipal sewer lines for off-site treatment. Storm water at the Property drains into the municipal storm water sewer system. No other waste discharges were noted at the Property. No material concerns were noted with either discharge.

## 6.6 Bulk Petroleum Storage Tanks

No evidence of current or historic aboveground storage tanks (ASTs) or underground storage tanks (USTs) was observed on the Property during the site reconnaissance.

The site contact indicated that a 10,000-gallon heating oil UST on the Property was closed in place adjacent to the north side exterior of the building in 1991. Documentation regarding the closure of the UST was not provided.

The Property was identified in the regulatory database report, provided by EDR, as a closed UST site, PBS #3-601156, with a single steel 10,000-gallon fuel oil UST reported as closed on October 1, 1997. Hillmann notes that the "closed" status date provided by the EDR report differs from the date provided by the site contact. A copy of the UST closure report should be provided for review, if available.

The Property was not identified in the regulatory database report as an AST site, LTANK or Spills site.

### 6.7 Polychlorinated Biphenyls (PCBs)

The Property utilizes one hydraulic trash compactor unit located in the basement. Considering the age of construction (1975), hydraulic fluid within the system may contain PCBs. No evidence of any significant release was observed from the trash compactor unit on the Property.

No additional suspected PCB containing electrical or hydraulic equipment was identified at the Property.

### 6.8 Drains/Sumps

According to the property escort, the drains discharge into the municipal sanitary sewer system. No staining or other evidence of a hazardous material release was noted in the vicinity of the drains. No sump pump was noted on the Property.

### 6.9 Exterior Pits/Ponds/Lagoons

No evidence of pits, ponds or lagoons was identified on the Property in connection with waste treatment or disposal.

### 6.10 Stained Soil, Pavement/Stressed Vegetation

No staining of soils or pavement, or evidence of stressed vegetation, was noted during the assessment.

### 6.11 Drinking Water/Wells/Septic Systems

Drinking water is provided to the Property by the City of Poughkeepsie. No groundwater wells or septic systems were noted at the Property during the assessment.

### 6.12 Fill Material

No evidence of recently deposited or non-native fill materials was noted at the Property.

# 7.0 NON-ASTM SCOPE CONCERNS

## 7.1 Asbestos-Containing Material (ACM)

Based on the age of the building, asbestos-containing materials may be present in the building. Hillmann conducted a limited visual screening of the building for suspect ACM as part of this assessment. The following suspect ACM was noted at the Property:

| Material | Location | Appr. Qty. | Friability | Condition |
|---|---|---|---|---|
| Vinyl floor tile | Throughout | N/A | Non-friable | Good |
| Acoustic ceiling Tile | Throughout | N/A | Non-friable | Good |
| Sheetrock | Throughout | N/A | Non-friable | Good |
| Pipe Insulation | Maintenance Room | 15 lf | Friable | Damaged |
| Boiler Insulation | Boiler Room | 15 sf | Friable | Damaged |
| Spray-on Fireproofing | Maintenance Room | 15 sf | Friable | Damaged |

## 7.2 Lead-Based Paint

Based on age of the building, lead-based paint may be present at the Property. In general, painted surfaces in the occupied areas of the building were noted to be in good condition with no significant areas of peeling or chipping noted.

## 7.3 Radon

Radon is a naturally occurring, colorless, odorless gas that is a byproduct of the decay of radioactive materials potentially present in bedrock and soil. Radon gas may enter the lowest level of a building through floor cracks, structural joints or plumbing conduits. The United States Environmental Protection Agency (USEPA) guidance level for annual residential exposure to radon is 4.0 picocuries per liter of air (pCi/L). The guidance level is not a regulatory requirement for private owners of commercial real estate, but is commonly used for comparison purposes to suggest whether further action at a building may be prudent.

Based on information obtained from data obtained by the US EPA, the Property is located in an area with a high potential for radon concentrations that exceed current USEPA action guidelines. Dutchess County is classified as a Zone 1 or ‘high risk’ area for radon. Radon tests have been conducted for the zip code 12601 and have shown results less than the action level of 4Pci/L. The average result for the living areas was 1.690 pCi/L, and for basements was 3.630 pCi/L.

## 7.4 Mold

Hillmann conducted a cursory inspection of the accessed areas of building interior for amplified mold growth and conditions conducive to amplified mold growth. No evidence of amplified mold growth, or conditions conducive to amplified mold growth, was noted at the time of the assessment.

# 8.0 REGULATORY RECORD REVIEWS

The databases discussed in this section, provided by Environmental Data Resources of Milford, CT, were reviewed for information regarding documented and/or suspected releases of regulated hazardous substances and/or petroleum products on or near the Property. Hillmann also reviewed the "unmappable" listings within the database report, cross-referencing available address information and facility names. Unmappable sites are listings that cannot be plotted with confidence, but are identified as being located within the general area of the Property based on the partial street address, city name or zip code. In general, a listing cannot be mapped due to inaccurate or incomplete address information in the database that was supplied by the corresponding regulatory agency. Any listings from the unmappable summary that were identified by Hillmann as a result of the area reconnaissance and/or cross-referencing to mapped listings are included in the corresponding database discussion within this section.

| REGULATORY DATABASE | SEARCH DISTANCE | ON-SITE LISTINGS | ADJ. PROPERTY LISTINGS | TOTAL WITHIN SEARCH DISTANCE |
|---|---|---|---|---|
| Fed. NPL | 1-mile | 0 | 0 | 0 |
| Fed. Delisted NPL | 1-mile | 0 | 0 | 0 |
| Fed. CERCLIS | ½-mile | 0 | 0 | 0 |
| Fed. CERCLIS-NFRAP | ½-mile | 0 | 0 | 1 |
| Fed. RCRA CORRACTS | 1-mile | 0 | 0 | 0 |
| Fed. RCRA TSD | ½-mile | 0 | 0 | 0 |
| Fed. RCRA Gen. | Site & Adj. | 0 | 0 | |
| Fed. ERNS | Site | 0 | | |
| State & Tribal equiv. NPL | 1-mile | 0 | 0 | 0 |
| State & Tribal equiv. CERCLIS | ½-mile | 0 | 0 | 0 |
| State & Tribal SWF/LF | ½-mile | 0 | 0 | 1 |
| State & Tribal LTANK | ½-mile | 0 | 0 | 19 |
| State & Tribal Registered Stor. Tank | ½-mile | 1 | 1 | |
| State & Tribal Eng. Control List | ½-mile | 0 | 0 | 0 |
| State & Tribal Inst. Control List | ½-mile | 0 | 0 | 0 |
| State & Tribal VCP | ½-mile | 0 | 0 | 0 |
| State & Tribal Eng. Brownfields | ½-mile | 0 | 0 | 0 |

- *The results of the review for each database are discussed below. The locations for the facilities discussed in this section are shown on the figures in the EDR report, included as Appendix E. Facilities listed on databases that are greater than 1 mile distant from the Subject Property are situated too far away to present a recognized environmental condition. Consequently, only those facilities that are located within a mile and are situated in a presumed up gradient location are discussed in detail below. Certain facilities listed on databases are recognized to present an environmental condition only if they are within a ¼ mile or ½ mile distant from the Subject Property.*

- *According to the EPA Policy Toward Owners of Property Containing Contaminated Aquifers, dated July 3, 1995, the EPA will not take enforcement action against a property owner who owns property under which is an aquifer contaminated by subsurface migration from an off site source or sources. Therefore, the Subject Property owner would not be liable for any contamination of the underlying aquifer that was attributed to an off-site source.*

*Tribal Jurisdiction:* The Property is not located within an area that is under Tribal jurisdiction.

### 8.1 Federal Agency Record Review

**EPA - The National Priorities List (NPL)**, also known as the Superfund list, is the United States Environmental Protection Agency (EPA) listing of uncontrolled or abandoned hazardous waste sites. These sites are targeted for possible long-term remedial action under the Superfund Act of 1980. The list is primarily based on the EPA's Hazardous Ranking System.

- The Property was not listed as an NPL facility.
- No NPL listings were identified within a one-mile radius of the Property.

**EPA – Delisted NPL Site List (DNPL)** provides a list of sites formerly listed on the NPL that have since been "de-listed" after the EPA has determined that no further response is appropriate.

- The Property was not listed as a DNPL facility.
- No DNPL listings were identified within a ½-mile radius of the Property.

**EPA - The Resource Conservation and Recovery Information System (RCRIS)** is a database of facilities, which generate or treat, store or dispose of EPA regulated hazardous waste, or meet other applicable requirements of the Resource Conservation and Recovery Act (RCRA). Inclusion on this database does not imply that mishandling or a release of hazardous waste has occurred at the facility. RCRIS categories are as follows:

***Treatment, Storage, and Disposal Facilities (TSD)***. Facilities listed under TSD are sites that treat, store and/or dispose of EPA regulated hazardous waste.

- The Property was not listed as TSD facility.
- No TSD listings were identified within a ½-mile radius of the Property.

***Corrective Action (CORRACTS) list*** is a list of hazardous waste treatment, storage or disposal facilities and other RCRIS facilities (due to past interim status or storage of hazardous waste beyond 90 days) that have been notified by the USEPA to undertake corrective action under RCRA.

- The Property was not listed as a CORRACTS facility.

- No CORRACTS listings were identified within a one-mile radius of the Property.

***Large Quantity Generators (LQG)***. Facilities listed under LQG either generate more than 1000 kg of EPA regulated hazardous waste per month, or meet other applicable requirements of RCRA.

- Neither the Property nor any adjoining properties were identified on the LQG database.

***Small Quantity Generators (SQG)***. Facilities listed under SQG either generate from 100 kilograms (kg) to 1000 kg of EPA regulated hazardous waste per month, or meet other applicable requirements of RCRA.

- Neither the Property nor any adjoining properties were identified on the SQG database.

**EPA - The Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS)** is the EPA database of known or suspected uncontrolled or abandoned hazardous waste sites. These sites have either been investigated, or are currently under investigation, by the EPA for the release or threatened release of hazardous substances.

- The Property was not identified on the CERCLIS database.

- No CERCLIS listings were identified within a ½-mile radius of the Property.

**EPA – CERCLIS-NFRAP (No Further Remedial Action Planned)** is the EPA database of archived sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time.

- The Property was not identified on the CERCLIS-NFRAP database.

- One (1) CERCLIS-NFRAP listing was identified within a ½-mile radius of the Property. The listed site is identified as Berncolors-Poughkeepsie, Inc. at 75 North Water Street, located approximately 1,795 feet to the northwest and down gradient from the Property based on area topography. Considering the NFRAP status of the listing, distance and topographic relation, this site is not considered a recognized environmental condition in connection with the Property.

**EPA - The Emergency Response Notification System (ERNS)** is a national database used to store information concerning the sudden and/or accidental release of hazardous substances, including petroleum, in quantities greater than the reportable quantity, as maintained at the National Response Center. The database contains preliminary information from spill reports made to various federal departments including the EPA.

- No listings were identified for the Property.

## 8.2 State Agency Record Review

**State Hazardous Waste Sites (SHWS)** database contains potential or confirmed hazardous substance release properties. This is the state equivalent to NPL *and* CERCLIS.

- The Property was not identified on the SHWS database.
- No SHWS listings were identified within a one-mile radius of the Property.

**Solid Waste Facility/Landfill (SWF/LF)** list provides information on the location of registered state landfills and associated transfer facilities.

- The Property was not identified on the SWF/LF database.
- One (1) SWF/LF listing was identified within a ½-mile radius of the Property. The listed site is identified as G.F. Refuse Transfer Station at 240 Main Street, located approximately 1,495 feet to the east-southeast and cross gradient from the Property based on area topography. No violations were reported. Considering the status of the listing, distance and topographic relation, this site is not considered a recognized environmental condition in connection with the Property.

**Leaking Storage Tank (LTANK)** is a comprehensive listing of all reported active and inactive leaking storage tank sites.

- The Property was not identified on the LTANK database.
- Nineteen (19) LTANK listings were identified within a ½-mile radius of the Property. The closest listing in proximity to the Property is identified as Poughkeepsie City School at 12 South Terry Street, located approximately 270 feet to the south-southeast and cross gradient from the Property based on area topography. The case is reported as "Closed" on October 9, 1992. Considering the status of the listing, distance and topographic relation, this site is not considered a recognized environmental condition in connection with the Property.

**Registered Storage Tank Database** is the listing of registered storage tank sites. This includes the NYSDEC AST and UST databases.

- The Property was not identified on the AST database.
- No adjoining properties were identified on the AST database.
- The Property was identified on the UST and Historical UST databases as a closed UST facility, PBS #3-601156, with a single steel 10,000-gallon fuel oil UST reported as closed on October 1, 1997.

- One (1) adjoining property was identified on the UST database. The site is identified as River Care Nursing Home at 139-144 Main Street, located to the south across Main Street and topographically cross gradient from the Property based on area topography. The database reported one 1,500-gallon steel heating oil UST at this facility. This site was not listed on the LTANK or NY Spills databases. Considering the status of the listing and topographic relation, this site is not considered a recognized environmental condition in connection with the Property.

**Engineering Controls Site Listing (ENG Controls)** list provides information on the location of remediation sites using engineering controls as part of the response action. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

- The Property was not identified on the ENG Control database.

- No ENG Control listings were identified within a ½-mile radius of the Property.

**Institutional Controls Site Listing (INST Controls)** list provides information on the location of remediation sites using institutional controls as part of the response action. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

- The Property was not identified on the INST Control database.

- No INST Control listings were identified within a ½-mile radius of the Property.

**Voluntary Cleanup Program (VCP)** list provides information on the location of sites involved in a Voluntary Cleanup Program. Under a Voluntary Cleanup Program, a property owner will voluntarily enter into an agreement with a state or local environmental regulatory agency to conduct investigation and remediation for specific area(s) of concern.

- The Property was not identified on the VCP database.

- No VCP listings were identified within a ½-mile radius of the Property.

**Brownfields (BF)** list provides information on the location of sites involved in a state or local Brownfields program.

- The Property was not identified on the BF database.

- No BF listings were identified within a ½-mile radius of the Property.

The Property is not identified on any other database not covered by the ASTM standards.

Review of the remaining sites identified with the ASTM search parameters did not identify any sites that are considered to be recognized environmental conditions in connection with the Property.

### 8.3 Local Government Agencies

City of Poughkeepsie Building Department:
Hillmann submitted Freedom of Information Act request letters to the Building Department requesting available file information regarding the Property. A response was received indicating that no files pertaining to the Property were available.

Dutchess County Department of Health:
Hillmann submitted Freedom of Information Act request letters to the County Division of Environmental Health Services requesting available file information regarding the Property. A response was received indicating that the Property is the site of the former Bayeaux Street Coal Gasification Plant. No specific files or data pertaining to the Property were indicated to be available. Files on two nearby properties were indicated to be available. The response also referenced NYSDEC # 314070.

New York State Department of Environmental Conservation:
Hillmann requested files from the NYSDEC concerning the former Bayeaux Street Coal Gasification Plant. Documentation consisting of a series of reports concerning historic coal gasification plants located the City of Poughkeepsie were provided by the NYSDEC for review. Much of the documentation pertained to a historic coal gas plant located several blocks to the west of the Property along the Hudson River waterfront. A Phase I Investigation report of the Bayeaux Street Coal Gas Plant site was also included and is summarized in Section 5.5.

## 9.0 ENVIRONMENTAL PROFESSIONAL STATEMENT

I declare that, to the best of my professional knowledge and belief, I meet the definition of *Environmental Professional* as defined in §312.10 of 40 CFR 312. I have the specific qualifications based on education, training, and experience to assess a *property* of the nature, history, and setting of the subject *property*. Hillmann has developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.



David H. Rutherford
Environmental Professional

## 10.0 REFERENCES

EDR Aerial Photography Report, Environmental Data Resources, 2006

EDR City Directory Abstract Report, Environmental Data Resources, 2006

EDR Radius Map Report with GeoCheck, Environmental Data Resources, 2006

EDR Topographic Map Report, Environmental Data Resources, 2006

Topographic Map – 7.5 minute series, Poughkeepsie, NY Quadrangle, USGS

# 11.0 APPENDICES

| | |
|---|---|
| Appendix A | Site Photographs |
| Appendix B | Maps/Diagrams |
| Appendix C | Historical Land Use Documentation/Maps |
| Appendix D | Reference Documentation |
| Appendix E | Regulatory Database Report |

HILLMANN
ENVIRONMENTAL
GROUP, LLC



# LIMITED PHASE II INVESTIGATION

**Admiral Halsey**
**135 Main Street**
**Poughkeepsie, New York 12601**

**Project No. N6-1661**

**May 2007**

***Prepared for:***

**Admiral Halsey, L.P**
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**LIMITED PHASE II INVESTIGATION**
**Admiral Halsey**
**135 Main Street**
**Poughkeepsie, New York 12601**

| | |
|---|---|
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| **Project Number:** | N6-1661 |
| **Project Personnel:** | Chris Hirschmann<br>Environmental Scientist |
| **Reviewed By:** | David J. Umbach, PG<br>Manager / Geologist |

## Executive Summary

As requested, Hillmann Environmental Group, LLC (Hillmann) conducted a Limited Phase II Investigation at 135 Main Street, which is located in Poughkeepsie, New York.

The Phase II soil investigation was conducted to evaluate the potential impact to the environment from a former coal gasification plant and underground storage tank (UST) located within the site. The investigation included the use of a GPR survey to identify any underground structures, utilities, or obstructions, and the collection of soil samples. These samples were collected from borings through the asphalt parking lot, around the old UST and in the area of the historic coal gasification plant, on March 27, 2007. A Geoprobe drill rig was utilized to obtain nine (9) soil and three (3) groundwater samples, with five (5) additional soil samples obtained by hand auguring. The general sample types, locations and depths were selected to determine the overall extent and magnitude of potential contamination resulting from the former site use. The samples were analyzed for volatile organic compounds (VOC), base neutrals and acid extractable (BNA), and Priority Pollutant List Metals at an accredited laboratory.

### 1.0 Introduction

As requested, Hillmann Environmental Group, LLC (Hillmann) conducted a Limited Phase II Investigation for 135 Main Street, in Poughkeepsie, New York. The investigation was conducted to determine if the former operations of the site had caused an impact to the environment along with the underground storage tank (UST)**.** Details of the site, activities and findings are provided in the following sections.

### 2.0 Site Description & Background

The site is located at the corner of Main Street and North Perry Street. The county-designated use of the site is Apartments. The Property is currently being operated as a senior housing complex. No industrial process operations are conducted on the site. The northern portion of the property was utilized as a coal gasification plant in the late nineteenth and early twentieth centuries. The area surrounding the Property is developed primarily with residential and commercial properties. In the late 1970's a 10,000-gallon heating oil underground storage tank (UST) was installed but only placed in service for one year since installation.

A report from Conrad GeoScience Corporation dated November 18, 1997 was obtained after the Limited Phase II Investigation was completed. The report stated that there was no evidence that the UST leaked. Conrad GeoScience Corp. contractors tried to remove the tank, during these activities, the bottom anchors failed to be removed, and a natural gas line was discovered to overly the west end of the UST. Based on the anchoring of the UST and the gas line, a decision was made to close the tank in place. Three soil samples were taken from the bottom of the excavation. On October 17, 1997 the UST was filled with 45 cubic yards of concrete. Soil samples were analyzed for VOCs (Volatile Organic compounds) and SVOCs (Semi-Volatile Organic Compounds). No VOC compounds were detected in the soil samples, but several SVOC compounds were detected below the NYSDEC standards. At this time Conrad GeoScience Corp. concluded that the SVOCs detected might represent residual coal tar, which is a bi-product of the coal gasification processes.

### 3.0 Areas of concern

Hillman identified the following areas of concern, which were addressed in the Limited Phase II Investigation.

1. Existence of an underground storage tank (UST) underneath the courtyard behind the 13-story apartment building.
2. Historic Coal Gasification Plant located on the northern end of the property.

**4.0 Initial Scope of Work**

Hillmann will employ ground-penetrating radar (GPR) along the north side of the building to locate the storage tank. A description of ground-penetrating radar is as follows: GPR is applied by transmitting signals into the subsurface. Subsurface structures and other forms of interference deflect the signals. The GPR survey is non-invasive. Data is collected in the form of anomalies that represent the subsurface interference. These anomalies are likely to identify the shape of a subsurface structure, however, interfering factors may limit the accuracy and cause inconclusive results. Such interfering factors include conglomerated soil media (e.g., rocks, bricks, construction debris, etc.), soil moisture, re-bar in foundations or slabs, and vibration caused by nearby construction activities. Under ideal conditions, the depth of penetration is 8-12 feet below ground surface (bgs). In addition to GPR, Hillmann will also employ specialized subsurface magnetometers, magnetic pipe locators (MPL) and other types of subsurface geophysical investigation instrumentation.

Hillmann will also employ direct push boring equipment (a.k.a. Geoprobe®) to advance subsurface borings in selected areas around the subject property. A description of direct push boring equipment is as follows: The Geoprobe® unit consists of a vehicle-mounted hydraulic ram that forces four foot long barrel shaped probes into the ground with a pneumatic hammer. The probes will collect continuous four-foot sections of earth in an acetate liner to examine for contamination and extract a soil sample for laboratory analysis. Hillmann will attempt to advance the borings into the local water table or to a depth of 16 feet if subsurface conditions permit. Hillmann will attempt to advance a total of 15 borings; 10 within the fenced grass area and vicinity of the suspected closed UST and five in the parking lot. One soil sample will be collected from each boring for a total of 15 soil samples. Hillmann will attempt to collect three groundwater samples via temporary wells.

Groundwater samples will be analyzed at an accredited laboratory for volatile organic compounds (VOC), base neutrals and acid extractables (BNA) and priority pollutant list metals. The results will be compared to applicable New York State Department of Environmental Conservation (NYSDEC) Groundwater Quality Standards, listed in Chapter 10, Part 703.

Soil samples will be analyzed at an accredited laboratory for volatile organic compounds (VOC), base neutrals and acid extractables (BNA) and priority pollutant list metals. The results will be compared to applicable New York State regulatory limits for soil listed in the Technical Administrative Guidance Memorandum (TAGM): 4046.

**5.0 Summary of Field Activities**

A GPR investigation was performed along the north side of the building on March 12, 2007. The GPR investigation did reveal evidence that was indicative of a UST. An area located below the courtyard that indicated a positive metallic response was identified, and borings were advanced near the markings. Due to the presence of snow and snow piles around the subject UST, the GPR investigation was limited. Although the GPR Investigation was limited due to the piles of snow, sufficient information was obtained to locate the UST.

A total of five (5) hand auger borings were completed around the north end of the property on March 27, 2007. The boring locations were selected to be representative of the overall extent of potential soil contamination from the previously identified coal gasification plant. The approximate locations of the borings and sampling location are provided on the attached site plans.

Four (4) Geoprobe borings were completed in the location of the former UST, with a groundwater sample collected at the location labeled B3. Four (4) borings were advanced through the asphalt parking lot located east of the subject building, with groundwater samples collected at the locations labeled B1, and B14. One (1) additional Geoprobe boring was completed on the north

section of the property, but groundwater was not accessible at this location. The approximate locations of the borings are provided on the attached site plan.

The Geoprobe borings were advanced to a maximum depth of eight (8) feet below ground surface (bgs). The groundwater table was encountered at approximately 7.5 feet bgs. Soil samples were taken at a depth of 7 feet bgs. Contamination should be concentrated at a depth of 7-8 feet bgs due to the rise and fall of the groundwater table. Three borings were advanced to 12 feet to facilitate installation of temporary wells for groundwater collection. Soil samples were collected from each boring utilizing dedicated disposable sampling devices. The samples were placed in laboratory-supplied containers, and packed on ice for transport to a certified testing laboratory for volatile organic compounds (VOC), base neutrals and acid extractables (BNA), and priority pollutant list metals.

**6.0 Applicable Standard**

Individual compounds detected were compared to the soil criteria listed in the NYSDEC Technical and Administrative Guidance Memorandum (TAGM): "Determination of Soil Cleanup Objectives & Cleanup Levels." The applicable standards are listed under the column titled "Cleanup Objective."

**7.0 Analytical Results**

Table 1. Admiral Halsey Groundwater Sample Results

| | | | | TAGM 4046 |
|---|---|---|---|---|
| Client ID: | B1 | B3 | B14 | Cleanup |
| Date Sampled: | 27-Mar | 27-Mar | 27-Mar | Objective |
| Matrix: | GW | GW | GW | ppb |
| Antimony (a) | **<30** | **<30** | **<30** | 3 |
| Arsenic (a) | **227** | **486** | **728** | 25 |
| Beryllium (a) | 28.7 | 22.5 | 40.7 | NA |
| Cadmium (a) | **32.1** | <20 | <20 | 5 |
| Chromium (a) | **487** | **536** | **612** | 50 |
| Copper (a) | **1790** | **2040** | **2300** | 200 |
| Lead (a) | **1780** | **6350** | **5130** | 8 |
| Mercury | **3.8** | **17.4** | **16.4** | 0.7 |
| Nickel (a) | **849** | **877** | **1360** | 8.2 |
| Selenium (a) | **63.2** | **<50** | **86.2** | 10 |
| Silver (a) | <50 | <50 | <50 | 50 |
| Thallium (a) | **<50** | **<50** | **<50** | 20 |
| Zinc (a) | **4760** | **6240** | **8250** | 66 |
| Acenaphthene | ND | 1.7 | ND | 20 |
| Acenaphthylene | ND | 1.7 | ND | 20 |
| Anthracene | ND | 5.6 | ND | 50 |
| Benzo(a)anthracene | **0.53** | **17.7** | **1.6** | 0.002 |
| Benzo(a)pyrene | **0.57** | **18.5** | **1.7** | 0.002 |
| Benzo(b)fluoranthene | ND | **18** | **1.7** | 0.002 |
| Benzo(g,h,i)perylene | 0.53 | **13.1** | 1.5 | 5 |
| Benzo(k)fluoranthene | ND | **14** | **1.5** | 0.002 |
| Carbazole | ND | 2.8 | ND | NA |
| Chrysene | **0.61** | **20** | **1.9** | 0.002 |
| Dibenzo(a,h)anthracene | ND | 4.3 | ND | 50 |
| Dibenzofuran | ND | 1.2 | ND | 5 |
| Fluoranthene | 1.2 | 38.6 | 3.2 | 50 |
| Fluorene | ND | 2.2 | ND | 50 |
| Indeno(1,2,3-cd)pyrene | ND | **11.9** | **1.3** | 0.002 |
| Naphthalene | ND | 0.8 | 1.1 | 10 |
| Phenanthrene | 0.82 | 20.3 | 1.4 | 50 |
| Pyrene | 0.86 | 33.9 | 3.1 | 50 |
| Acetone | ND | 5.7 | ND | 50 |

All results in ug/l (ppb)
ND = No Detection
NA = Not Available

Table 2. Admiral Halsey Soil Sample Results

| Client ID: | B1 | B2 | B3 | B4 | B5 | B6 | B7 | TAGM 4046 Soil Cleanup Objective (ppm) |
|---|---|---|---|---|---|---|---|---|
| Date Sampled: | 27-Mar | 27-Mar | 27-Mar | 27-Mar | 27-Mar | 27-Mar | 27-Mar | |
| Matrix: | Soil | Soil | Soil | Soil | Soil | Soil | Soil | |
| Antimony | <2.4 | <2.5 | <2.3 | <2.4 | <2.3 | <2.6 | <2.4 | SB |
| Arsenic | 6.1 | **9.4** | 6.4 | 3.6 | 6.5 | **11.1** | 3.7 | 7.5 or SB |
| Beryllium | **<0.60** | **0.67** | **<0.58** | **<0.59** | **0.59** | **0.74** | **<0.61** | 0.16 or SB |
| Cadmium | 0.86 | <0.62 | <0.58 | <0.59 | <0.56 | <0.65 | <0.61 | 1 or SB |
| Chromium | **12.9** | **12.5** | **11.5** | 10.8 | **11.2** | **14.1** | **11** | 10 or SB |
| Copper | **47.6** | 25.8 | **32.8** | 19.7 | 24.3 | **46.9** | 16.1 | 25 or SB |
| Lead | 194 | 48.2 | 124 | 43.7 | 33.6 | 95.7 | 13.6 | SB**** |
| Mercury | **0.68** | 0.054 | **0.23** | **0.22** | **0.23** | **0.85** | 0.14 | 0.1 |
| Nickel | **17.4** | **19.6** | **16.7** | **16.2** | **17.3** | **18.4** | 11.7 | 13 or SB |
| Selenium | **<2.4** | **<2.5** | **<2.3** | **<2.4** | **<2.3** | **<2.6** | **<2.4** | 2 or SB |
| Silver | <1.2 | <1.2 | <1.2 | <1.2 | <1.1 | <1.3 | <1.2 | SB |
| Thallium | <1.2 | <1.2 | <1.2 | <1.2 | <1.1 | <1.3 | <1.2 | SB |
| Zinc | **139** | **104** | **108** | **63.2** | **71.6** | **119** | **45** | 20 or SB |
| Acenaphthene | ND | 0.035 | 0.067 | ND | 0.321 | 0.126 | ND | 50 |
| Acenaphthylene | 0.069 | 0.096 | 0.019 | ND | 0.485 | 0.465 | ND | 41 |
| Anthracene | 0.092 | 0.368 | 0.129 | 0.037 | 2.780 | 1.000 | 0.051 | 50 |
| Benzo(a)anthracene | 0.278 | **1.350** | **0.353** | 0.111 | **6.270** | **4.430** | 0.125 | 0.224 |
| Benzo(a)pyrene | **0.324** | **1.490** | **0.363** | **0.103** | **6.320** | **4.900** | **0.133** | 0.061 |
| Benzo(b)fluoranthene | 0.291 | 1.010 | 0.327 | 0.065 | **4.040** | **3.070** | 0.134 | 1.1 |
| Benzo(g,h,i)perylene | 0.277 | 1.020 | 0.248 | 0.093 | 0.466 | 0.217 | ND | 50 |
| Benzo(k)fluoranthene | 0.258 | 1.170 | 0.305 | 0.092 | **5.970** | **3.960** | 0.213 | 1.1 |
| Carbazole | ND | 0.124 | 0.120 | ND | 0.878 | 0.389 | ND | NA |
| Chrysene | 0.285 | **1.140** | 0.395 | 0.112 | **5.270** | **3.850** | 0.123 | 0.4 |
| Dibenzo(a,h)anthracene | 0.104 | **0.319** | **0.065** | **0.031** | **0.241** | **0.083** | ND | 0.014 |
| Dibenzofuran | ND | 0.060 | 0.044 | ND | 0.796 | 0.153 | ND | 6.2 |
| Di-n-butyl phthalate | 0.553 | ND | ND | ND | ND | ND | ND | 8.1 |
| bis(2-Ethylhexyl)phthalate | 1.180 | 0.098 | 0.089 | ND | ND | ND | ND | 50*** |
| Fluoranthene | 0.493 | 2.300 | 0.971 | 0.196 | 11.500 | 6.460 | 0.242 | 50 |
| Fluorene | 0.038 | 0.079 | 0.081 | | 0.378 | 0.255 | ND | 50 |
| Indeno(1,2,3-cd)pyrene | 0.264 | 0.966 | 0.232 | 0.076 | 0.543 | 0.256 | ND | 3.2 |
| 2-Methylnaphthalene | ND | ND | ND | ND | 0.501 | 0.064 | ND | 36.4 |
| Naphthalene | ND | 0.036 | 0.023 | ND | 2.040 | 0.196 | ND | 13 |
| Phenanthrene | 0.288 | 1.260 | 0.760 | 0.131 | 10.700 | 3.000 | 0.143 | 50*** |
| Pyrene | 0.393 | 1.910 | 0.705 | 0.189 | 9.050 | 6.420 | 0.216 | 50*** |
| Acetone | 0.066 | ND | 0.073 | ND | ND | ND | ND | 0.2 |
| 2-Butanone (MEK) | ND | ND | ND | ND | ND | ND | ND | 0.3 |
| Carbon disulfide | 0.003 | ND | ND | ND | ND | ND | ND | 2.7 |
| Xylene (total) | ND | ND | ND | ND | ND | ND | 0.002 | 1.2 |

All results in mg/kg (ppm)
ND = No Detection
NA = Not Available
SB = Background levels for lead vary widely. Average levels in undeveloped, rural areas may range from 4-61 ppm. Average background levels in metropolitan or suburban areas or near highways are much higher and typically range from 200-500 ppm.

Table 3. Admiral Halsey Soil Sample Results

| Client ID: | B8 | B9 | B10 | B11 | B12 | B13 | B14 | TAGM 4046 Soil Cleanup Objective (ppm) |
|---|---|---|---|---|---|---|---|---|
| Date Sampled: | 27-Mar | 27-Mar | 27-Mar | 27-Mar | 27-Mar | 27-Mar | 27-Mar | |
| Matrix: | Soil | Soil | Soil | Soil | Soil | Soil | Soil | |
| Antimony | <2.4 | <2.3 | <2.4 | <2.2 | <2.5 | <2.4 | <2.3 | SB |
| Arsenic | **12.3** | **10.2** | **8.5** | 6.2 | **9.4** | **8.2** | 5.6 | 7.5 or SB |
| Beryllium | **0.67** | **0.62** | **<0.60** | **<0.56** | **0.79** | **<0.61** | **<0.57** | 0.16 or SB |
| Cadmium | 0.84 | 0.63 | <0.60 | <0.56 | <0.62 | 0.87 | <0.57 | 1 or SB |
| Chromium | **14.4** | **16.5** | **15** | **12.1** | **15.8** | **15.4** | **11.2** | 10 or SB |
| Copper | **42** | **39.2** | **34.7** | **29.2** | **37.9** | **36.5** | 23.5 | 25 or SB |
| Lead | 109 | 23.2 | 65.9 | 24.7 | 22.3 | 245 | 30.5 | SB**** |
| Mercury | **0.26** | 0.044 | **0.3** | 0.075 | 0.1 | **1.6** | 0.059 | 0.1 |
| Nickel | **21.7** | **23.7** | **21.8** | **21.1** | **33.3** | **19.5** | **18.7** | 13 or SB |
| Selenium | **<2.4** | **3.3** | **<2.4** | **<2.2** | **3.2** | **<2.4** | **<2.3** | 2 or SB |
| Silver | <1.2 | <1.1 | <1.2 | <1.1 | <1.2 | <1.2 | <1.1 | SB |
| Thallium | <1.2 | <1.1 | <1.2 | <1.1 | <1.2 | <1.2 | <1.1 | SB |
| Zinc | **119** | **102** | **92.7** | **66.6** | **105** | **270** | **58.7** | 20 or SB |
| Acenaphthene | 0.086 | ND | ND | ND | ND | 0.308 | 0.066 | 50 |
| Acenaphthylene | 0.431 | ND | 0.033 | ND | ND | 0.131 | 0.023 | 41 |
| Anthracene | 0.586 | ND | 0.078 | ND | ND | 0.875 | 0.227 | 50 |
| Benzo(a)anthracene | **2.670** | ND | 0.253 | 0.057 | ND | **1.960** | **0.889** | 0.224 |
| Benzo(a)pyrene | **3.100** | ND | **0.249** | 0.064 | ND | **1.800** | **0.967** | 0.061 |
| Benzo(b)fluoranthene | **2.670** | ND | 0.153 | 0.060 | ND | **2.700** | **1.580** | 1.1 |
| Benzo(g,h,i)perylene | 0.070 | ND | 0.222 | 0.043 | ND | 0.041 | 0.033 | 50 |
| Benzo(k)fluoranthene | **2.090** | ND | 0.227 | 0.045 | ND | **1.540** | 1.290 | 1.1 |
| Carbazole | 0.163 | ND | 0.020 | ND | ND | 0.356 | 0.285 | NA |
| Chrysene | **2.440** | ND | 0.261 | 0.054 | ND | **1.860** | **1.160** | 0.4 |
| Dibenzo(a,h)anthracene | **0.048** | ND | **0.079** | ND | ND | **0.028** | ND | 0.014 |
| Dibenzofuran | 0.072 | ND | ND | ND | ND | 0.169 | 0.039 | 6.2 |
| Di-n-butyl phthalate | ND | ND | ND | ND | ND | 0.063 | ND | 8.1 |
| bis(2-Ethylhexyl)phthalate | ND | ND | 0.064 | 0.052 | ND | 0.078 | ND | 50*** |
| Fluoranthene | 2.950 | ND | 0.487 | 0.086 | 0.030 | 3.690 | 2.800 | 50 |
| Fluorene | 0.160 | ND | ND | ND | ND | 0.296 | 0.077 | 50 |
| Indeno(1,2,3-cd)pyrene | 0.114 | ND | 0.201 | 0.041 | ND | 0.069 | 0.043 | 3.2 |
| 2-Methylnaphthalene | 0.036 | ND | ND | ND | ND | 0.064 | ND | 36.4 |
| Naphthalene | 0.091 | ND | ND | ND | ND | 0.138 | ND | 13 |
| Phenanthrene | 1.520 | ND | 0.221 | 0.044 | 0.027 | 3.040 | 1.650 | 50*** |
| Pyrene | 2.860 | ND | 0.544 | 0.083 | 0.023 | 2.500 | 1.270 | 50*** |
| Acetone | ND | ND | ND | ND | ND | **0.914** | ND | 0.2 |
| 2-Butanone (MEK) | ND | ND | ND | ND | ND | **0.083** | ND | 0.3 |
| Carbon disulfide | ND | ND | ND | ND | ND | 0.026 | ND | 2.7 |
| Xylene (total) | ND | ND | ND | ND | ND | ND | ND | 1.2 |

All results in mg/kg (ppm)
ND = No Detection
NA = Not Available
SB = Background levels for lead vary widely. Average levels in undeveloped, rural areas may range from 4-61 ppm. Average background levels in metropolitan or suburban areas or near highways are much higher and typically range from 200-500 ppm.

## 8.0 Summary of Analytical Results

Samples B1, B12-B14, B1 (groundwater), and B14 (groundwater) were taken from the parking lot area on the eastern portion of the property. Samples B2, B5-B9 were taken from the northern portion of the property where the historic coal gasification plant was located. Samples B3, B4, B10, B11 and B3 (groundwater) were taken from around the UST. All of the soil samples collected within the site contained contaminant levels, which were above the New York State regulatory limits listed in TAGM 4046. All groundwater samples collected within the site contained contaminant levels, which were above the New York State regulatory limits. (See Tables 1, 2 and 3)

## 9.0 Evaluation of Environmental Impact

The laboratory results and observations made on site while completing the borings indicate the presence of contamination that may have resulted from the former coal gasification plant described within the previously referenced Phase I.

### 9.1 Contaminant Exposure

The subsurface materials encountered throughout the property consisted of locally found soil, brick fragments and/or coal ash. This would indicate that historic fill might underlie the property. As with areas previously used for industrial processes, historic fill typically contains levels of heavy metals and polycyclic aromatic hydrocarbons (PAH's), which are above current NYSDEC regulatory limits.

Elevated levels of metals and PAHs are wide spread throughout the property. Minimal risk of exposure is expected in the areas of the parking lot. The parking lot has about 6 inches of asphalt capping the soil located below. Human exposure to the soil located below the parking lot is not expected under normal conditions and operations. Any excavation or prolonged contact with the subsurface soils may potentially cause exposure to the subsurface contaminants.

Subsurface materials encountered beneath the park and lawn areas also contain elevated levels of metals and PAHs. Minimum to no risk is to be expected in the areas of the park area based on the normal use and operation. Any excavation or prolonged contact with the subsurface soils may potentially cause exposure to the subsurface contaminants.

Materials contained in the public garden area are expected to contain similar levels of soil contamination. In this area, increased soil exposure and possible ingestion of plant matter is expected. As a result of these activities, increased risk of human exposure is possible. Hillmann has been informed that the owner intends to install additional site controls which would prevent contact with the soils in this area. When completed, these measures would virtually eliminate the risk of exposure to the residents.

Samples taken from around the UST indicate elevated levels of metals and PAHs. Due to the wide spread presence of elevated metals and PAHs around the property, Hillmann has determined that the contamination encountered is not from the UST, but as a result of the historic coal gasification plant. It is determined that the UST did not impact the surrounding environment.

### 9.2 Local Usage of Groundwater

Local groundwater is not used for potable purposes. Due to the levels of contamination found within each soil sample, contaminants are not expected to migrate to the local drinking water supply. Therefore, any contamination potentially originating from the subject property is not anticipated to affect the local drinking water supply.

9.3 Evaluation of Ecological Receptors

The only ecological receptor in the vicinity of the subject property is the Hudson River, which is located approximately 1,881 feet to the west.

**10.0 Conclusions & Recommendations**

Hillmann has completed a Limited Phase II Investigation at 135 Main Street to assess the impact of former coal gasification plant and UST located on site. The completed scope of work included a GPR survey, the advancement of subsurface borings utilizing a Geoprobe and hand auguring.

The following has been concluded from this investigation.

1. The results of the investigation have identified the presence of contamination which could be attributed to past site usage. The environmental concerns identified through laboratory and field observations are the presence of metals and Polynuclear Aromatic Hydrocarbons (PAHs) present in the soil and groundwater.

2. It appears that the contamination identified is the result of former coal gasification processes conducted on site.

3. Elevated levels of metals and PAHs are wide spread throughout the property. Minimal risk of exposure is expected in the areas of the parking lot and/or lawn area. Any excavation or prolonged contact with the subsurface soils may potentially cause exposure to the subsurface contaminants.

4. Due to the wide spread presence of elevated metals and PAHs around the property, Hillmann has determined that the contamination encountered is not from the UST, but as a result of the historic coal gasification plant. It is determined that the UST did not impact the surrounding environment.

5. Omni has decided to develop a raised garden bed system. This decision will protect the current residence using the garden area. A brief description of the garden area is described in the below section.

6. Additionally, Omni is in the process of obtaining a “Property Use and Work Plan” to protect against possible contamination exposure. This document will provide insight on which procedures to follow during excavation activities. This document will be site specific and will only pertain to the subject property. A copy of the work plan will be located at the facility.

Hillmann Environmental Group, LLC, has recommended the following.

1. Hillmann recommends leveling out the current garden area, then placing an impermeable membrane, as a separating layer, on top of the current soil surface to prevent any current contamination from possibly impacting clean soil in the garden area. A minimum of two (2) feet of certified, clean soil should be placed on top of the impermeable membrane and the garden beds assembled on the top of this layer of clean soil. This should prevent the root systems of plants growing in the garden from reaching and possibly absorbing contamination from soils below the impermeable layer. This remediation technique should also protect residents or other individuals working in the garden from contaminants present in the soil.

2. It is recommended that air monitoring be performed on the first level of the housing complex due to the publications of vapor intrusion possibilities. Air monitoring will determine if there is any vapor intrusion present at the subject property. Hillmann is currently under contract wit Omni to provide air-monitoring testing.

3. The former Bayeaux Street manufacturing gas plant (MGP) was located on the corner of Main Street and North Perry (formerly Bayeaux Street), and is currently occupied by Admiral Halsey Senior Village. Hillmann has contacted the NYSDEC directly, and was informed that although compounds have been identified on site at levels above current clean up standards, there is no requirement to report a spill to the NYSDEC. Therefore Hillmann does not recommend reporting the results to the NYDEC at this time provided the completed "Property Use and Work Plan" is maintained on site, and is provided to any person conducting work below the surface at this site.

**11.0 Certification of Responsible Party**

As owner/agent of 135 Main Street, Poughkeepsie, New York, I have read this report and acknowledge its content. I hereby confirm that the content is true to the best of my knowledge.

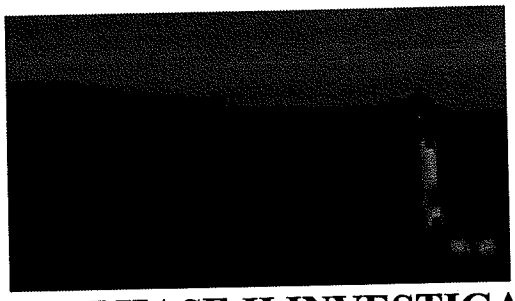
Signature:_____ Date:_____

Name:_____

Title:_____

Organization:_____

HILLMANN
ENVIRONMENTAL
GROUP, LLC



# LIMITED PHASE II INVESTIGATION

**Admiral Halsey**
**135 Main Street**
**Poughkeepsie, New York 12601**

**Project No. N6-1661**

**May 2007**

***Prepared for:***

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| **Project Number:** | N6-1661 |
| **Project Personnel:** | Matthew Scott<br>Environmental Scientist |
| **Reviewed By:** | David J. Umbach, PG<br>Manager / Geologist |

## Executive Summary

As requested, Hillmann Environmental Group, LLC (Hillmann) conducted a Limited Phase II Investigation at 135 Main Street, which is located in Poughkeepsie, New York.

The Phase II soil investigation was conducted to evaluate the potential impact to the environment from a former coal gasification plant and underground storage tank (UST) located within the site. The investigation included the use of a GPR survey to identify any underground structures, utilities, or obstructions, and the collection of soil samples. These samples were collected from borings through the asphalt parking lot, around the old UST and in the area of the historic coal gasification plant, on March 27, 2007. A Geoprobe drill rig was utilized to obtain nine (9) soil and three (3) groundwater samples, with five (5) additional soil samples obtained by hand auguring. The general sample types, locations and depths were selected to determine the overall extent and magnitude of potential contamination resulting from the former site use. The samples were analyzed for volatile organic compounds (VOC), base neutrals and acid extractable (BNA), and Priority Pollutant List Metals at an accredited laboratory.

### 1.0 Introduction

As requested, Hillmann Environmental Group, LLC (Hillmann) conducted a Limited Phase II Investigation for 135 Main Street, in Poughkeepsie, New York. The investigation was conducted to determine if the former operations of the site had caused an impact to the environment along with the underground storage tank (UST). Details of the site, activities and findings are provided in the following sections.

### 2.0 Site Description & Background

The site is located at the corner of Main Street and North Perry Street. The county-designated use of the site is Apartments. The Property is currently being operated as a senior housing complex. No industrial process operations are conducted on the site. The northern portion of the property was utilized as a coal gasification plant in the late nineteenth and early twentieth centuries. The area surrounding the Property is developed primarily with residential and commercial properties. In the late 1970's a 10,000-gallon heating oil underground storage tank (UST) was installed but only placed in service for one year since installation.

A report from Conrad GeoScience Corporation dated November 18, 1997 was obtained after the Limited Phase II Investigation was completed. The report stated that there was no evidence that the UST leaked. Conrad GeoScience Corp. contractors tried to remove the tank, during these activities, the bottom anchors failed to be removed, and a natural gas line was discovered to overly the west end of the UST. Based on the anchoring of the UST and the gas line, a decision was made to close the tank in place. Three soil samples were taken from the bottom of the excavation. On October 17, 1997 the UST was filled with 45 cubic yards of concrete. Soil samples were analyzed for VOCs (Volatile Organic compounds) and SVOCs (Semi-Volatile Organic Compounds). No VOC compounds were detected in the soil samples, but several SVOC compounds were detected below the NYSDEC standards. At this time Conrad GeoScience Corp. concluded that the SVOCs detected might represent residual coal tar, which is a bi-product of the coal gasification processes.

### 3.0 Areas of concern

Hillman identified the following areas of concern, which were addressed in the Limited Phase II Investigation.

1. Existence of an underground storage tank (UST) underneath the courtyard behind the 13-story apartment building.
2. Historic Coal Gasification Plant located on the northern end of the property.

## 4.0 Initial Scope of Work

Hillmann will employ ground-penetrating radar (GPR) along the north side of the building to locate the storage tank. A description of ground-penetrating radar is as follows: GPR is applied by transmitting signals into the subsurface. Subsurface structures and other forms of interference deflect the signals. The GPR survey is non-invasive. Data is collected in the form of anomalies that represent the subsurface interference. These anomalies are likely to identify the shape of a subsurface structure, however, interfering factors may limit the accuracy and cause inconclusive results. Such interfering factors include conglomerated soil media (e.g., rocks, bricks, construction debris, etc.), soil moisture, re-bar in foundations or slabs, and vibration caused by nearby construction activities. Under ideal conditions, the depth of penetration is 8-12 feet below ground surface (bgs). In addition to GPR, Hillmann will also employ specialized subsurface magnetometers, magnetic pipe locators (MPL) and other types of subsurface geophysical investigation instrumentation.

Hillmann will also employ direct push boring equipment (a.k.a. Geoprobe®) to advance subsurface borings in selected areas around the subject property. A description of direct push boring equipment is as follows: The Geoprobe® unit consists of a vehicle-mounted hydraulic ram that forces four foot long barrel shaped probes into the ground with a pneumatic hammer. The probes will collect continuous four-foot sections of earth in an acetate liner to examine for contamination and extract a soil sample for laboratory analysis. Hillmann will attempt to advance the borings into the local water table or to a depth of 16 feet if subsurface conditions permit. Hillmann will attempt to advance a total of 15 borings; 10 within the fenced grass area and vicinity of the suspected closed UST and five in the parking lot. One soil sample will be collected from each boring for a total of 15 soil samples. Hillmann will attempt to collect three groundwater samples via temporary wells.

Groundwater samples will be analyzed at an accredited laboratory for volatile organic compounds (VOC), base neutrals and acid extractables (BNA) and priority pollutant list metals. The results will be compared to applicable New York State Department of Environmental Conservation (NYSDEC) Groundwater Quality Standards, listed in Chapter 10, Part 703.

Soil samples will be analyzed at an accredited laboratory for volatile organic compounds (VOC), base neutrals and acid extractables (BNA) and priority pollutant list metals. The results will be compared to applicable New York State regulatory limits for soil listed in the Technical Administrative Guidance Memorandum (TAGM): 4046.

## 5.0 Summary of Field Activities

A GPR investigation was performed along the north side of the building on March 12, 2007. The GPR investigation did reveal evidence that was indicative of a UST. An area located below the courtyard that indicated a positive metallic response was identified, and borings were advanced near the markings. Due to the presence of snow and snow piles around the subject UST, the GPR investigation was limited. Although the GPR Investigation was limited due to the piles of snow, sufficient information was obtained to locate the UST.

A total of five (5) hand auger borings were completed around the north end of the property on March 27, 2007. The boring locations were selected to be representative of the overall extent of potential soil contamination from the previously identified coal gasification plant. The approximate locations of the borings and sampling location are provided on the attached site plans.

Four (4) Geoprobe borings were completed in the location of the former UST, with a groundwater sample collected at the location labeled B3. Four (4) borings were advanced through the asphalt parking lot located east of the subject building, with groundwater samples collected at the locations labeled B1, and B14. One (1) additional Geoprobe boring was completed on the north

section of the property, but groundwater was not accessible at this location. The approximate locations of the borings are provided on the attached site plan.

The Geoprobe borings were advanced to a maximum depth of eight (8) feet below ground surface (bgs). The groundwater table was encountered at approximately 7.5 feet bgs. Soil samples were taken at a depth of 7 feet bgs. Contamination should be concentrated at a depth of 7-8 feet bgs due to the rise and fall of the groundwater table. Three borings were advanced to 12 feet to facilitate installation of temporary wells for groundwater collection. Soil samples were collected from each boring utilizing dedicated disposable sampling devices. The samples were placed in laboratory-supplied containers, and packed on ice for transport to a certified testing laboratory for volatile organic compounds (VOC), base neutrals and acid extractables (BNA), and priority pollutant list metals.

**6.0 Applicable Standard**

Individual compounds detected were compared to the soil criteria listed in the NYSDEC Technical and Administrative Guidance Memorandum (TAGM): "Determination of Soil Cleanup Objectives & Cleanup Levels." The applicable standards are listed under the column titled "Cleanup Objective."

## 7.0 Analytical Results

Table 1. Admiral Halsey Groundwater Sample Results

| | | | | TAGM 4046 |
|---|---|---|---|---|
| Client ID: | B1 | B3 | B14 | Cleanup |
| Date Sampled: | 27-Mar | 27-Mar | 27-Mar | Objective |
| Matrix: | GW | GW | GW | ppb |
| Antimony (a) | <30 | <30 | <30 | 3 |
| Arsenic (a) | **227** | **486** | **728** | 25 |
| Beryllium (a) | 28.7 | 22.5 | 40.7 | NA |
| Cadmium (a) | 32.1 | <20 | <20 | 5 |
| Chromium (a) | **487** | **536** | **612** | 50 |
| Copper (a) | 1790 | 2040 | 2300 | 200 |
| Lead (a) | **1780** | **6350** | **5130** | 8 |
| Mercury | 3.8 | 17.4 | 16.4 | 0.7 |
| Nickel (a) | **849** | **877** | **1360** | 8.2 |
| Selenium (a) | 63.2 | <50 | 86.2 | 10 |
| Silver (a) | <50 | <50 | <50 | 50 |
| Thallium (a) | **<50** | **<50** | **<50** | 20 |
| Zinc (a) | 4760 | 6240 | 8250 | 66 |
| Acenaphthene | ND | 1.7 | ND | 20 |
| Acenaphthylene | ND | 1.7 | ND | 20 |
| Anthracene | ND | 5.6 | ND | 50 |
| Benzo(a)anthracene | **0.53** | **17.7** | **1.6** | 0.002 |
| Benzo(a)pyrene | 0.57 | 18.5 | 1.7 | 0.002 |
| Benzo(b)fluoranthene | ND | **18** | **1.7** | 0.002 |
| Benzo(g,h,i)perylene | 0.53 | 13.1 | 1.5 | 5 |
| Benzo(k)fluoranthene | ND | **14** | **1.5** | 0.002 |
| Carbazole | ND | 2.8 | ND | NA |
| Chrysene | 0.61 | 20 | 1.9 | 0.002 |
| Dibenzo(a,h)anthracene | ND | 4.3 | ND | 50 |
| Dibenzofuran | ND | 1.2 | ND | 5 |
| Fluoranthene | 1.2 | 38.6 | 3.2 | 50 |
| Fluorene | ND | 2.2 | ND | 50 |
| Indeno(1,2,3-cd)pyrene | ND | **11.9** | **1.3** | 0.002 |
| Naphthalene | ND | 0.8 | 1.1 | 10 |
| Phenanthrene | 0.82 | 20.3 | 1.4 | 50 |
| Pyrene | 0.86 | 33.9 | 3.1 | 50 |
| Acetone | ND | 5.7 | ND | 50 |

All results in ug/l (ppb)
ND = No Detection
NA = Not Available

Table 2. Admiral Halsey Soil Sample Results

| Client ID: | B1 | B2 | B3 | B4 | B5 | B6 | B7 | TAGM 4046 Soil Cleanup Objective (ppm) |
|---|---|---|---|---|---|---|---|---|
| Date Sampled: | 27-Mar | 27-Mar | 27-Mar | 27-Mar | 27-Mar | 27-Mar | 27-Mar | |
| Matrix: | Soil | Soil | Soil | Soil | Soil | Soil | Soil | |
| Antimony | <2.4 | <2.5 | <2.3 | <2.4 | <2.3 | <2.6 | <2.4 | SB |
| Arsenic | 6.1 | **9.4** | 6.4 | 3.6 | 6.5 | **11.1** | 3.7 | 7.5 or SB |
| Beryllium | <0.60 | 0.67 | <0.58 | <0.59 | 0.59 | 0.74 | <0.61 | 0.16 or SB |
| Cadmium | 0.86 | <0.62 | <0.58 | <0.59 | <0.56 | <0.65 | <0.61 | 1 or SB |
| Chromium | **12.9** | **12.5** | **11.5** | 10.8 | **11.2** | **14.1** | **11** | 10 or SB |
| Copper | 47.6 | 25.8 | 32.8 | 19.7 | 24.3 | 46.9 | 16.1 | 25 or SB |
| Lead | 194 | 48.2 | 124 | 43.7 | 33.6 | 95.7 | 13.6 | SB**** |
| Mercury | **0.68** | 0.054 | **0.23** | **0.22** | **0.23** | **0.85** | 0.14 | 0.1 |
| Nickel | 17.4 | 19.6 | 16.7 | 16.2 | 17.3 | 18.4 | 11.7 | 13 or SB |
| Selenium | **<2.4** | **<2.5** | **<2.3** | **<2.4** | **<2.3** | **<2.6** | **<2.4** | 2 or SB |
| Silver | <1.2 | <1.2 | <1.2 | <1.2 | <1.1 | <1.3 | <1.2 | SB |
| Thallium | <1.2 | <1.2 | <1.2 | <1.2 | <1.1 | <1.3 | <1.2 | SB |
| Zinc | 139 | 104 | 108 | 63.2 | 71.6 | 119 | 45 | 20 or SB |
| Acenaphthene | ND | 0.035 | 0.067 | ND | 0.321 | 0.126 | ND | 50 |
| Acenaphthylene | 0.069 | 0.096 | 0.019 | ND | 0.485 | 0.465 | ND | 41 |
| Anthracene | 0.092 | 0.368 | 0.129 | 0.037 | 2.780 | 1.000 | 0.051 | 50 |
| Benzo(a)anthracene | 0.278 | **1.350** | **0.353** | 0.111 | **6.270** | **4.430** | 0.125 | 0.224 |
| Benzo(a)pyrene | 0.324 | 1.490 | 0.363 | 0.103 | 6.320 | 4.900 | 0.133 | 0.061 |
| Benzo(b)fluoranthene | 0.291 | 1.010 | 0.327 | 0.065 | **4.040** | **3.070** | 0.134 | 1.1 |
| Benzo(g,h,i)perylene | 0.277 | 1.020 | 0.248 | 0.093 | 0.466 | 0.217 | ND | 50 |
| Benzo(k)fluoranthene | 0.258 | 1.170 | 0.305 | 0.092 | 5.970 | 3.960 | 0.213 | 1.1 |
| Carbazole | ND | 0.124 | 0.120 | ND | 0.878 | 0.389 | ND | NA |
| Chrysene | 0.285 | **1.140** | 0.395 | 0.112 | **5.270** | **3.850** | 0.123 | 0.4 |
| Dibenzo(a,h)anthracene | 0.104 | 0.319 | 0.065 | 0.031 | 0.241 | 0.083 | ND | 0.014 |
| Dibenzofuran | ND | 0.060 | 0.044 | ND | 0.796 | 0.153 | ND | 6.2 |
| Di-n-butyl phthalate | 0.553 | ND | ND | ND | ND | ND | ND | 8.1 |
| bis(2-Ethylhexyl)phthalate | 1.180 | 0.098 | 0.089 | ND | ND | ND | ND | 50*** |
| Fluoranthene | 0.493 | 2.300 | 0.971 | 0.196 | 11.500 | 6.460 | 0.242 | 50 |
| Fluorene | 0.038 | 0.079 | 0.081 | | 0.378 | 0.255 | ND | 50 |
| Indeno(1,2,3-cd)pyrene | 0.264 | 0.966 | 0.232 | 0.076 | 0.543 | 0.256 | ND | 3.2 |
| 2-Methylnaphthalene | ND | ND | ND | ND | 0.501 | 0.064 | ND | 36.4 |
| Naphthalene | ND | 0.036 | 0.023 | ND | 2.040 | 0.196 | ND | 13 |
| Phenanthrene | 0.288 | 1.260 | 0.760 | 0.131 | 10.700 | 3.000 | 0.143 | 50*** |
| Pyrene | 0.393 | 1.910 | 0.705 | 0.189 | 9.050 | 6.420 | 0.216 | 50*** |
| Acetone | 0.066 | ND | 0.073 | ND | ND | ND | ND | 0.2 |
| 2-Butanone (MEK) | ND | ND | ND | ND | ND | ND | ND | 0.3 |
| Carbon disulfide | 0.003 | ND | ND | ND | ND | ND | ND | 2.7 |
| Xylene (total) | ND | ND | ND | ND | ND | ND | 0.002 | 1.2 |

All results in mg/kg (ppm)
ND = No Detection
NA = Not Available
SB = Background levels for lead vary widely. Average levels in undeveloped, rural areas may range from 4-61 ppm. Average background levels in metropolitan or suburban areas or near highways are much higher and typically range from 200-500 ppm.

Table 3. Admiral Halsey Soil Sample Results

| Client ID: | B8 | B9 | B10 | B11 | B12 | B13 | B14 | TAGM 4046 Soil Cleanup Objective (ppm) |
|---|---|---|---|---|---|---|---|---|
| Date Sampled: | 27-Mar | 27-Mar | 27-Mar | 27-Mar | 27-Mar | 27-Mar | 27-Mar | |
| Matrix: | Soil | Soil | Soil | Soil | Soil | Soil | Soil | |
| Antimony | <2.4 | <2.3 | <2.4 | <2.2 | <2.5 | <2.4 | <2.3 | SB |
| Arsenic | **12.3** | **10.2** | **8.5** | 6.2 | **9.4** | **8.2** | 5.6 | 7.5 or SB |
| Beryllium | 0.67 | 0.62 | <0.60 | <0.56 | 0.79 | <0.61 | <0.57 | 0.16 or SB |
| Cadmium | 0.84 | 0.63 | <0.60 | <0.56 | <0.62 | 0.87 | <0.57 | 1 or SB |
| Chromium | **14.4** | **16.5** | **15** | **12.1** | **15.8** | **15.4** | **11.2** | 10 or SB |
| Copper | 42 | 39.2 | 34.7 | 29.2 | 37.9 | 36.5 | 23.5 | 25 or SB |
| Lead | 109 | 23.2 | 65.9 | 24.7 | 22.3 | 245 | 30.5 | SB**** |
| Mercury | **0.26** | 0.044 | **0.3** | 0.075 | 0.1 | **1.6** | 0.059 | 0.1 |
| Nickel | 21.7 | 23.7 | 21.8 | 21.1 | 33.3 | 19.5 | 18.7 | 13 or SB |
| Selenium | **<2.4** | **3.3** | **<2.4** | **<2.2** | **3.2** | **<2.4** | **<2.3** | 2 or SB |
| Silver | <1.2 | <1.1 | <1.2 | <1.1 | <1.2 | <1.2 | <1.1 | SB |
| Thallium | <1.2 | <1.1 | <1.2 | <1.1 | <1.2 | <1.2 | <1.1 | SB |
| Zinc | 119 | 102 | 92.7 | 66.6 | 105 | 270 | 58.7 | 20 or SB |
| Acenaphthene | 0.086 | ND | ND | ND | ND | 0.308 | 0.066 | 50 |
| Acenaphthylene | 0.431 | ND | 0.033 | ND | ND | 0.131 | 0.023 | 41 |
| Anthracene | 0.586 | ND | 0.078 | ND | ND | 0.875 | 0.227 | 50 |
| Benzo(a)anthracene | **2.670** | ND | 0.253 | 0.057 | ND | **1.960** | **0.889** | 0.224 |
| Benzo(a)pyrene | 3.100 | ND | 0.249 | 0.064 | ND | 1.800 | 0.967 | 0.061 |
| Benzo(b)fluoranthene | **2.670** | ND | 0.153 | 0.060 | ND | **2.700** | **1.580** | 1.1 |
| Benzo(g,h,i)perylene | 0.070 | ND | 0.222 | 0.043 | ND | 0.041 | 0.033 | 50 |
| Benzo(k)fluoranthene | 2.090 | ND | 0.227 | 0.045 | ND | 1.540 | 1.290 | 1.1 |
| Carbazole | 0.163 | ND | 0.020 | ND | ND | 0.356 | 0.285 | NA |
| Chrysene | **2.440** | ND | 0.261 | 0.054 | ND | **1.860** | **1.160** | 0.4 |
| Dibenzo(a,h)anthracene | 0.048 | ND | 0.079 | ND | ND | 0.028 | ND | 0.014 |
| Dibenzofuran | 0.072 | ND | ND | ND | ND | 0.169 | 0.039 | 6.2 |
| Di-n-butyl phthalate | ND | ND | ND | ND | ND | 0.063 | ND | 8.1 |
| bis(2-Ethylhexyl)phthalate | ND | ND | 0.064 | 0.052 | ND | 0.078 | ND | 50*** |
| Fluoranthene | 2.950 | ND | 0.487 | 0.086 | 0.030 | 3.690 | 2.800 | 50 |
| Fluorene | 0.160 | ND | ND | ND | ND | 0.296 | 0.077 | 50 |
| Indeno(1,2,3-cd)pyrene | 0.114 | ND | 0.201 | 0.041 | ND | 0.069 | 0.043 | 3.2 |
| 2-Methylnaphthalene | 0.036 | ND | ND | ND | ND | 0.064 | ND | 36.4 |
| Naphthalene | 0.091 | ND | ND | ND | ND | 0.138 | ND | 13 |
| Phenanthrene | 1.520 | ND | 0.221 | 0.044 | 0.027 | 3.040 | 1.650 | 50*** |
| Pyrene | 2.860 | ND | 0.544 | 0.083 | 0.023 | 2.500 | 1.270 | 50*** |
| Acetone | ND | ND | ND | ND | ND | **0.914** | ND | 0.2 |
| 2-Butanone (MEK) | ND | ND | ND | ND | ND | 0.083 | ND | 0.3 |
| Carbon disulfide | ND | ND | ND | ND | ND | 0.026 | ND | 2.7 |
| Xylene (total) | ND | ND | ND | ND | ND | ND | ND | 1.2 |

All results in mg/kg (ppm)
ND = No Detection
NA = Not Available
SB = Background levels for lead vary widely. Average levels in undeveloped, rural areas may range from 4-61 ppm. Average background levels in metropolitan or suburban areas or near highways are much higher and typically range from 200-500 ppm.

## 8.0 Summary of Analytical Results

Samples B1, B12-B14, B1 (groundwater), and B14 (groundwater) were taken from the parking lot area on the eastern portion of the property. Samples B2, B5-B9 were taken from the northern portion of the property where the historic coal gasification plant was located. Samples B3, B4, B10, B11 and B3 (groundwater) were taken from around the UST. All of the soil samples collected within the site contained contaminant levels, which were above the New York State regulatory limits listed in TAGM 4046. All groundwater samples collected within the site contained contaminant levels, which were above the New York State regulatory limits. (See Tables 1, 2 and 3)

## 9.0 Evaluation of Environmental Impact

The laboratory results and observations made on site while completing the borings indicate the presence of contamination that may have resulted from the former coal gasification plant described within the previously referenced Phase I.

### 9.1 Contaminant Exposure

The subsurface materials encountered throughout the property consisted of locally found soil, brick fragments and/or coal ash. This would indicate that historic fill might underlie the property. As with areas previously used for industrial processes, historic fill typically contains levels of heavy metals and polycyclic aromatic hydrocarbons (PAH's), which are above current NYSDEC regulatory limits.

Elevated levels of metals and PAHs are wide spread throughout the property. Minimal risk of exposure is expected in the areas of the parking lot. The parking lot has about 6 inches of asphalt capping the soil located below. Human exposure to the soil located below the parking lot is not expected under normal conditions and operations. Any excavation or prolonged contact with the subsurface soils may potentially cause exposure to the subsurface contaminants.

Subsurface materials encountered beneath the park and lawn areas also contain elevated levels of metals and PAHs. Minimum to no risk is to be expected in the areas of the park area based on the normal use and operation. Any excavation or prolonged contact with the subsurface soils may potentially cause exposure to the subsurface contaminants.

Materials contained in the public garden area are expected to contain similar levels of soil contamination. In this area, increased soil exposure and possible ingestion of plant matter is expected. As a result of these activities, increased risk of human exposure is possible. Hillmann has been informed that the owner intends to install additional site controls which would prevent contact with the soils in this area. When completed, these measures would virtually eliminate the risk of exposure to the residents.

Samples taken from around the UST indicate elevated levels of metals and PAHs. Due to the wide spread presence of elevated metals and PAHs around the property, Hillmann has determined that the contamination encountered is not from the UST, but as a result of the historic coal gasification plant. It is determined that the UST did not impact the surrounding environment.

### 9.2 Local Usage of Groundwater

Local groundwater is not used for potable purposes. Due to the levels of contamination found within each soil sample, contaminants are not expected to migrate to the local drinking water supply. Therefore, any contamination potentially originating from the subject property is not anticipated to affect the local drinking water supply.

9.3 Evaluation of Ecological Receptors

The only ecological receptor in the vicinity of the subject property is the Hudson River, which is located approximately 1,881 feet to the west.

**10.0 Conclusions & Recommendations**

Hillmann has completed a Limited Phase II Investigation at 135 Main Street to assess the impact of former coal gasification plant and UST located on site. The completed scope of work included a GPR survey, the advancement of subsurface borings utilizing a Geoprobe and hand auguring.

The following has been concluded from this investigation.

1. The results of the investigation have identified the presence of contamination which could be attributed to past site usage. The environmental concerns identified through laboratory and field observations are the presence of metals and Polynuclear Aromatic Hydrocarbons (PAHs) present in the soil and groundwater.

2. It appears that the contamination identified is the result of former coal gasification processes conducted on site.

3. Elevated levels of metals and PAHs are wide spread throughout the property. Minimal risk of exposure is expected in the areas of the parking lot and/or lawn area. Any excavation or prolonged contact with the subsurface soils may potentially cause exposure to the subsurface contaminants.

4. Due to the wide spread presence of elevated metals and PAHs around the property, Hillmann has determined that the contamination encountered is not from the UST, but as a result of the historic coal gasification plant. It is determined that the UST did not impact the surrounding environment.

5. Omni has decided to develop a raised garden bed system. This decision will protect the current residence using the garden area. A brief description of the garden area is described in the below section.

6. Additionally, Omni is in the process of obtaining a "Property Use and Work Plan" to protect against possible contamination exposure. This document will provide insight on which procedures to follow during excavation activities. This document will be site specific and will only pertain to the subject property. A copy of the work plan will be located at the facility.

Hillmann Environmental Group, LLC, has recommended the following.

1. Hillmann recommends leveling out the current garden area, then placing a layer of clay or filter fabric on top of the current soil surface to separate the current contamination from clean soils of the raised garden areas. A sufficient layer of clean soil should be placed on top of the separating layer. After all clean soil is built up and contained to sufficient depth; the raised garden beds should be assembled on top of the layer of clean soil. A sufficient height from ground surface to the top of the garden beds should be achieved. This sufficient height will ensure that the root systems of plants growing in the garden will not breach the separating layer and possibly absorb and contamination from soils located below the garden. This remediation technique should provide ample depth to protect residents or other individuals working in the garden from contaminates present in the soil during gardening activities.

2. It is recommended that air monitoring be performed on the first level of the housing complex due to the publications of vapor intrusion possibilities. Air monitoring will determine if there is any vapor intrusion present at the subject property. Hillmann is currently under contract wit Omni to provide air-monitoring testing.

3. The former Bayeaux Street manufacturing gas plant (MGP) was located on the corner of Main Street and North Perry (formerly Bayeaux Street), and is currently occupied by Admiral Halsey Senior Village. Hillmann has contacted the NYSDEC directly, and was informed that although compounds have been identified on site at levels above current clean up standards, there is no requirement to report a spill to the NYSDEC. Therefore Hillmann does not recommend reporting the results to the NYDEC at this time provided the completed "Property Use and Work Plan" is maintained on site, and is provided to any person conducting work below the surface at this site.

**11.0 Certification of Responsible Party**

As owner/agent of 135 Main Street, Poughkeepsie, New York, I have read this report and acknowledge its content. I hereby confirm that the content is true to the best of my knowledge.

Signature:_____ Date:_____

Name:_____

Title:_____

Organization:_____

## 7.0 Analytical Results

Table 1. Admiral Halsey Groundwater Sample Results

| Client ID: | B1 | B3 | B14 | TAGM 4046 Cleanup Objective |
|---|---|---|---|---|
| Date Sampled: | 27-Mar | 27-Mar | 27-Mar | |
| Matrix: | GW | GW | GW | ppb |
| Antimony (a) | <30 | <30 | <30 | 3 |
| Arsenic (a) | **227** | **486** | **728** | 25 |
| Beryllium (a) | 28.7 | 22.5 | 40.7 | NA |
| Cadmium (a) | 32.1 | <20 | <20 | 5 |
| Chromium (a) | **487** | **536** | **612** | 50 |
| Copper (a) | 1790 | 2040 | 2300 | 200 |
| Lead (a) | **1780** | **6350** | **5130** | 8 |
| Mercury | 3.8 | 17.4 | 16.4 | 0.7 |
| Nickel (a) | **849** | **877** | **1360** | 8.2 |
| Selenium (a) | 63.2 | <50 | 86.2 | 10 |
| Silver (a) | <50 | <50 | <50 | 50 |
| Thallium (a) | **<50** | **<50** | **<50** | 20 |
| Zinc (a) | 4760 | 6240 | 8250 | 66 |
| Acenaphthene | ND | 1.7 | ND | 20 |
| Acenaphthylene | ND | 1.7 | ND | 20 |
| Anthracene | ND | 5.6 | ND | 50 |
| Benzo(a)anthracene | **0.53** | **17.7** | **1.6** | 0.002 |
| Benzo(a)pyrene | 0.57 | 18.5 | 1.7 | 0.002 |
| Benzo(b)fluoranthene | ND | **18** | **1.7** | 0.002 |
| Benzo(g,h,i)perylene | 0.53 | 13.1 | 1.5 | 5 |
| Benzo(k)fluoranthene | ND | **14** | **1.5** | 0.002 |
| Carbazole | ND | 2.8 | ND | NA |
| Chrysene | 0.61 | 20 | 1.9 | 0.002 |
| Dibenzo(a,h)anthracene | ND | 4.3 | ND | 50 |
| Dibenzofuran | ND | 1.2 | ND | 5 |
| Fluoranthene | 1.2 | 38.6 | 3.2 | 50 |
| Fluorene | ND | 2.2 | ND | 50 |
| Indeno(1,2,3-cd)pyrene | ND | **11.9** | **1.3** | 0.002 |
| Naphthalene | ND | 0.8 | 1.1 | 10 |
| Phenanthrene | 0.82 | 20.3 | 1.4 | 50 |
| Pyrene | 0.86 | 33.9 | 3.1 | 50 |
| Acetone | ND | 5.7 | ND | 50 |

All results in ug/l (ppb)
ND = No Detection
NA = Not Available

## Table 2. Admiral Halsey Soil Sample Results

| Client ID: | B1 | B2 | B3 | B4 | B5 | B6 | B7 | TAGM 4046 Soil Cleanup Objective (ppm) |
|---|---|---|---|---|---|---|---|---|
| Date Sampled: | 27-Mar | 27-Mar | 27-Mar | 27-Mar | 27-Mar | 27-Mar | 27-Mar | |
| Matrix: | Soil | Soil | Soil | Soil | Soil | Soil | Soil | |
| Antimony | <2.4 | <2.5 | <2.3 | <2.4 | <2.3 | <2.6 | <2.4 | SB |
| Arsenic | 6.1 | **9.4** | 6.4 | 3.6 | 6.5 | **11.1** | 3.7 | 7.5 or SB |
| Beryllium | <0.60 | 0.67 | <0.58 | <0.59 | 0.59 | 0.74 | <0.61 | 0.16 or SB |
| Cadmium | 0.86 | <0.62 | <0.58 | <0.59 | <0.56 | <0.65 | <0.61 | 1 or SB |
| Chromium | **12.9** | **12.5** | **11.5** | 10.8 | **11.2** | **14.1** | **11** | 10 or SB |
| Copper | 47.6 | 25.8 | 32.8 | 19.7 | 24.3 | 46.9 | 16.1 | 25 or SB |
| Lead | 194 | 48.2 | 124 | 43.7 | 33.6 | 95.7 | 13.6 | SB**** |
| Mercury | **0.68** | 0.054 | **0.23** | **0.22** | **0.23** | **0.85** | 0.14 | 0.1 |
| Nickel | 17.4 | 19.6 | 16.7 | 16.2 | 17.3 | 18.4 | 11.7 | 13 or SB |
| Selenium | **<2.4** | **<2.5** | **<2.3** | **<2.4** | **<2.3** | **<2.6** | **<2.4** | 2 or SB |
| Silver | <1.2 | <1.2 | <1.2 | <1.2 | <1.1 | <1.3 | <1.2 | SB |
| Thallium | <1.2 | <1.2 | <1.2 | <1.2 | <1.1 | <1.3 | <1.2 | SB |
| Zinc | 139 | 104 | 108 | 63.2 | 71.6 | 119 | 45 | 20 or SB |
| Acenaphthene | ND | 0.035 | 0.067 | ND | 0.321 | 0.126 | ND | 50 |
| Acenaphthylene | 0.069 | 0.096 | 0.019 | ND | 0.485 | 0.465 | ND | 41 |
| Anthracene | 0.092 | 0.368 | 0.129 | 0.037 | 2.780 | 1.000 | 0.051 | 50 |
| Benzo(a)anthracene | 0.278 | **1.350** | **0.353** | 0.111 | **6.270** | **4.430** | 0.125 | 0.224 |
| Benzo(a)pyrene | 0.324 | 1.490 | 0.363 | 0.103 | 6.320 | 4.900 | 0.133 | 0.061 |
| Benzo(b)fluoranthene | 0.291 | 1.010 | 0.327 | 0.065 | **4.040** | **3.070** | 0.134 | 1.1 |
| Benzo(g,h,i)perylene | 0.277 | 1.020 | 0.248 | 0.093 | 0.466 | 0.217 | ND | 50 |
| Benzo(k)fluoranthene | 0.258 | 1.170 | 0.305 | 0.092 | 5.970 | 3.960 | 0.213 | 1.1 |
| Carbazole | ND | 0.124 | 0.120 | ND | 0.878 | 0.389 | ND | NA |
| Chrysene | 0.285 | **1.140** | 0.395 | 0.112 | **5.270** | **3.850** | 0.123 | 0.4 |
| Dibenzo(a,h)anthracene | 0.104 | 0.319 | 0.065 | 0.031 | 0.241 | 0.083 | ND | 0.014 |
| Dibenzofuran | ND | 0.060 | 0.044 | ND | 0.796 | 0.153 | ND | 6.2 |
| Di-n-butyl phthalate | 0.553 | ND | ND | ND | ND | ND | ND | 8.1 |
| bis(2-Ethylhexyl)phthalate | 1.180 | 0.098 | 0.089 | ND | ND | ND | ND | 50*** |
| Fluoranthene | 0.493 | 2.300 | 0.971 | 0.196 | 11.500 | 6.460 | 0.242 | 50 |
| Fluorene | 0.038 | 0.079 | 0.081 | | 0.378 | 0.255 | ND | 50 |
| Indeno(1,2,3-cd)pyrene | 0.264 | 0.966 | 0.232 | 0.076 | 0.543 | 0.256 | ND | 3.2 |
| 2-Methylnaphthalene | ND | ND | ND | ND | 0.501 | 0.064 | ND | 36.4 |
| Naphthalene | ND | 0.036 | 0.023 | ND | 2.040 | 0.196 | ND | 13 |
| Phenanthrene | 0.288 | 1.260 | 0.760 | 0.131 | 10.700 | 3.000 | 0.143 | 50*** |
| Pyrene | 0.393 | 1.910 | 0.705 | 0.189 | 9.050 | 6.420 | 0.216 | 50*** |
| Acetone | 0.066 | ND | 0.073 | ND | ND | ND | ND | 0.2 |
| 2-Butanone (MEK) | ND | ND | ND | ND | ND | ND | ND | 0.3 |
| Carbon disulfide | 0.003 | ND | ND | ND | ND | ND | ND | 2.7 |
| Xylene (total) | ND | ND | ND | ND | ND | ND | 0.002 | 1.2 |

All results in mg/kg (ppm)
ND = No Detection
NA = Not Available
SB = Background levels for lead vary widely. Average levels in undeveloped, rural areas may range from 4-61 ppm. Average background levels in metropolitan or suburban areas or near highways are much higher and typically range from 200-500 ppm.

Table 3. Admiral Halsey Soil Sample Results

| Client ID: | B8 | B9 | B10 | B11 | B12 | B13 | B14 | TAGM 4046 Soil Cleanup Objective (ppm) |
|---|---|---|---|---|---|---|---|---|
| Date Sampled: | 27-Mar | 27-Mar | 27-Mar | 27-Mar | 27-Mar | 27-Mar | 27-Mar | |
| Matrix: | Soil | Soil | Soil | Soil | Soil | Soil | Soil | |
| Antimony | <2.4 | <2.3 | <2.4 | <2.2 | <2.5 | <2.4 | <2.3 | SB |
| Arsenic | **12.3** | **10.2** | **8.5** | 6.2 | **9.4** | **8.2** | 5.6 | 7.5 or SB |
| Beryllium | 0.67 | 0.62 | <0.60 | <0.56 | 0.79 | <0.61 | <0.57 | 0.16 or SB |
| Cadmium | 0.84 | 0.63 | <0.60 | <0.56 | <0.62 | 0.87 | <0.57 | 1 or SB |
| Chromium | **14.4** | **16.5** | **15** | **12.1** | **15.8** | **15.4** | **11.2** | 10 or SB |
| Copper | 42 | 39.2 | 34.7 | 29.2 | 37.9 | 36.5 | 23.5 | 25 or SB |
| Lead | 109 | 23.2 | 65.9 | 24.7 | 22.3 | 245 | 30.5 | SB**** |
| Mercury | **0.26** | 0.044 | **0.3** | 0.075 | 0.1 | **1.6** | 0.059 | 0.1 |
| Nickel | 21.7 | 23.7 | 21.8 | 21.1 | 33.3 | 19.5 | 18.7 | 13 or SB |
| Selenium | **<2.4** | **3.3** | **<2.4** | **<2.2** | **3.2** | **<2.4** | **<2.3** | 2 or SB |
| Silver | <1.2 | <1.1 | <1.2 | <1.1 | <1.2 | <1.2 | <1.1 | SB |
| Thallium | <1.2 | <1.1 | <1.2 | <1.1 | <1.2 | <1.2 | <1.1 | SB |
| Zinc | 119 | 102 | 92.7 | 66.6 | 105 | 270 | 58.7 | 20 or SB |
| Acenaphthene | 0.086 | ND | ND | ND | ND | 0.308 | 0.066 | 50 |
| Acenaphthylene | 0.431 | ND | 0.033 | ND | ND | 0.131 | 0.023 | 41 |
| Anthracene | 0.586 | ND | 0.078 | ND | ND | 0.875 | 0.227 | 50 |
| Benzo(a)anthracene | **2.670** | ND | 0.253 | 0.057 | ND | **1.960** | **0.889** | 0.224 |
| Benzo(a)pyrene | 3.100 | ND | 0.249 | 0.064 | ND | 1.800 | 0.967 | 0.061 |
| Benzo(b)fluoranthene | **2.670** | ND | 0.153 | 0.060 | ND | **2.700** | **1.580** | 1.1 |
| Benzo(g,h,i)perylene | 0.070 | ND | 0.222 | 0.043 | ND | 0.041 | 0.033 | 50 |
| Benzo(k)fluoranthene | 2.090 | ND | 0.227 | 0.045 | ND | 1.540 | 1.290 | 1.1 |
| Carbazole | 0.163 | ND | 0.020 | ND | ND | 0.356 | 0.285 | NA |
| Chrysene | **2.440** | ND | 0.261 | 0.054 | ND | **1.860** | **1.160** | 0.4 |
| Dibenzo(a,h)anthracene | 0.048 | ND | 0.079 | ND | ND | 0.028 | ND | 0.014 |
| Dibenzofuran | 0.072 | ND | ND | ND | ND | 0.169 | 0.039 | 6.2 |
| Di-n-butyl phthalate | ND | ND | ND | ND | ND | 0.063 | ND | 8.1 |
| bis(2-Ethylhexyl)phthalate | ND | ND | 0.064 | 0.052 | ND | 0.078 | ND | 50*** |
| Fluoranthene | 2.950 | ND | 0.487 | 0.086 | 0.030 | 3.690 | 2.800 | 50 |
| Fluorene | 0.160 | ND | ND | ND | ND | 0.296 | 0.077 | 50 |
| Indeno(1,2,3-cd)pyrene | 0.114 | ND | 0.201 | 0.041 | ND | 0.069 | 0.043 | 3.2 |
| 2-Methylnaphthalene | 0.036 | ND | ND | ND | ND | 0.064 | ND | 36.4 |
| Naphthalene | 0.091 | ND | ND | ND | ND | 0.138 | ND | 13 |
| Phenanthrene | 1.520 | ND | 0.221 | 0.044 | 0.027 | 3.040 | 1.650 | 50*** |
| Pyrene | 2.860 | ND | 0.544 | 0.083 | 0.023 | 2.500 | 1.270 | 50*** |
| Acetone | ND | ND | ND | ND | ND | **0.914** | ND | 0.2 |
| 2-Butanone (MEK) | ND | ND | ND | ND | ND | 0.083 | ND | 0.3 |
| Carbon disulfide | ND | ND | ND | ND | ND | 0.026 | ND | 2.7 |
| Xylene (total) | ND | ND | ND | ND | ND | ND | ND | 1.2 |

All results in mg/kg (ppm)
ND = No Detection
NA = Not Available
SB = Background levels for lead vary widely. Average levels in undeveloped, rural areas may range from 4-61 ppm. Average background levels in metropolitan or suburban areas or near highways are much higher and typically range from 200-500 ppm.

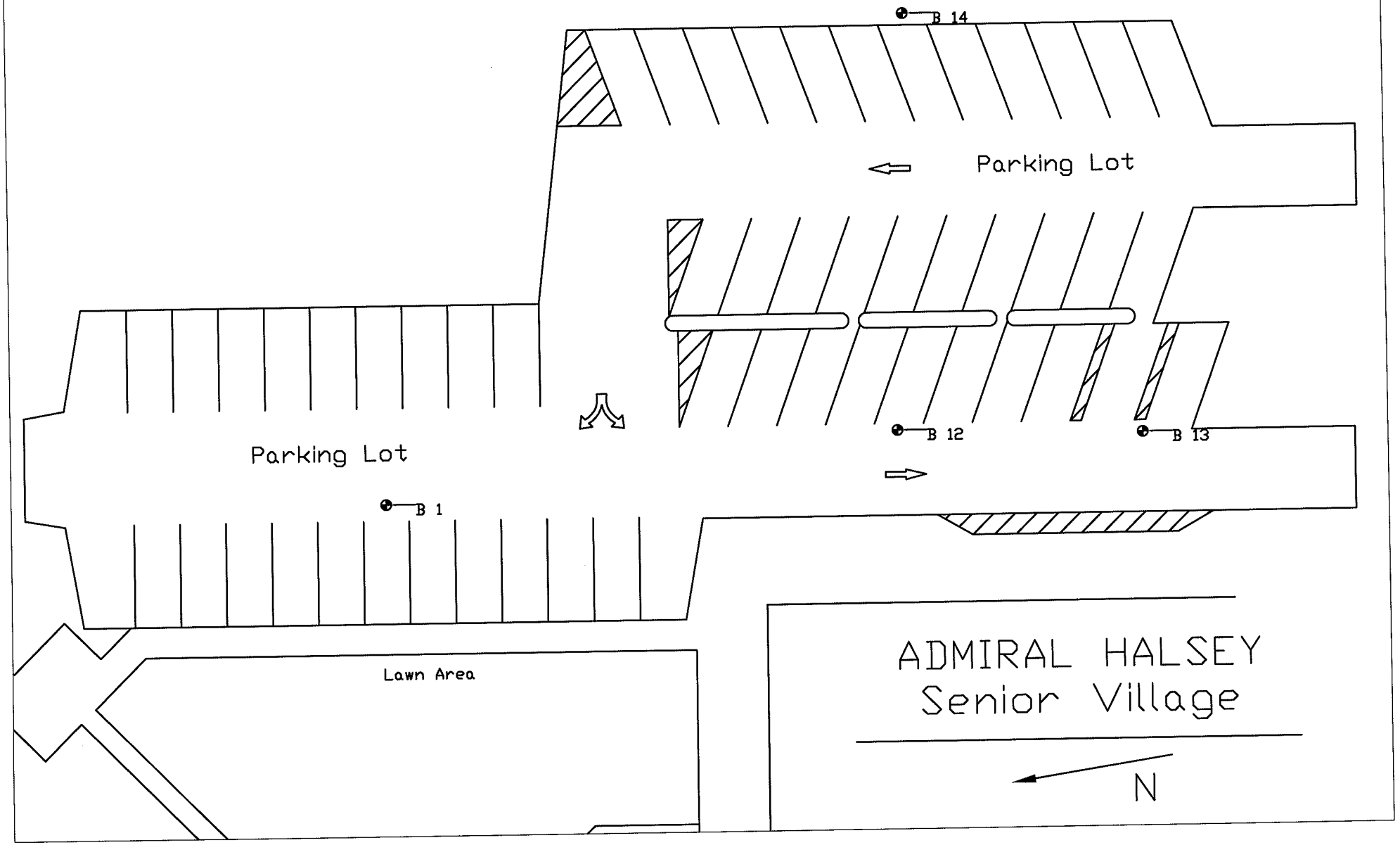
# Attachment A

(Site Diagrams)

# Site Diagram 1

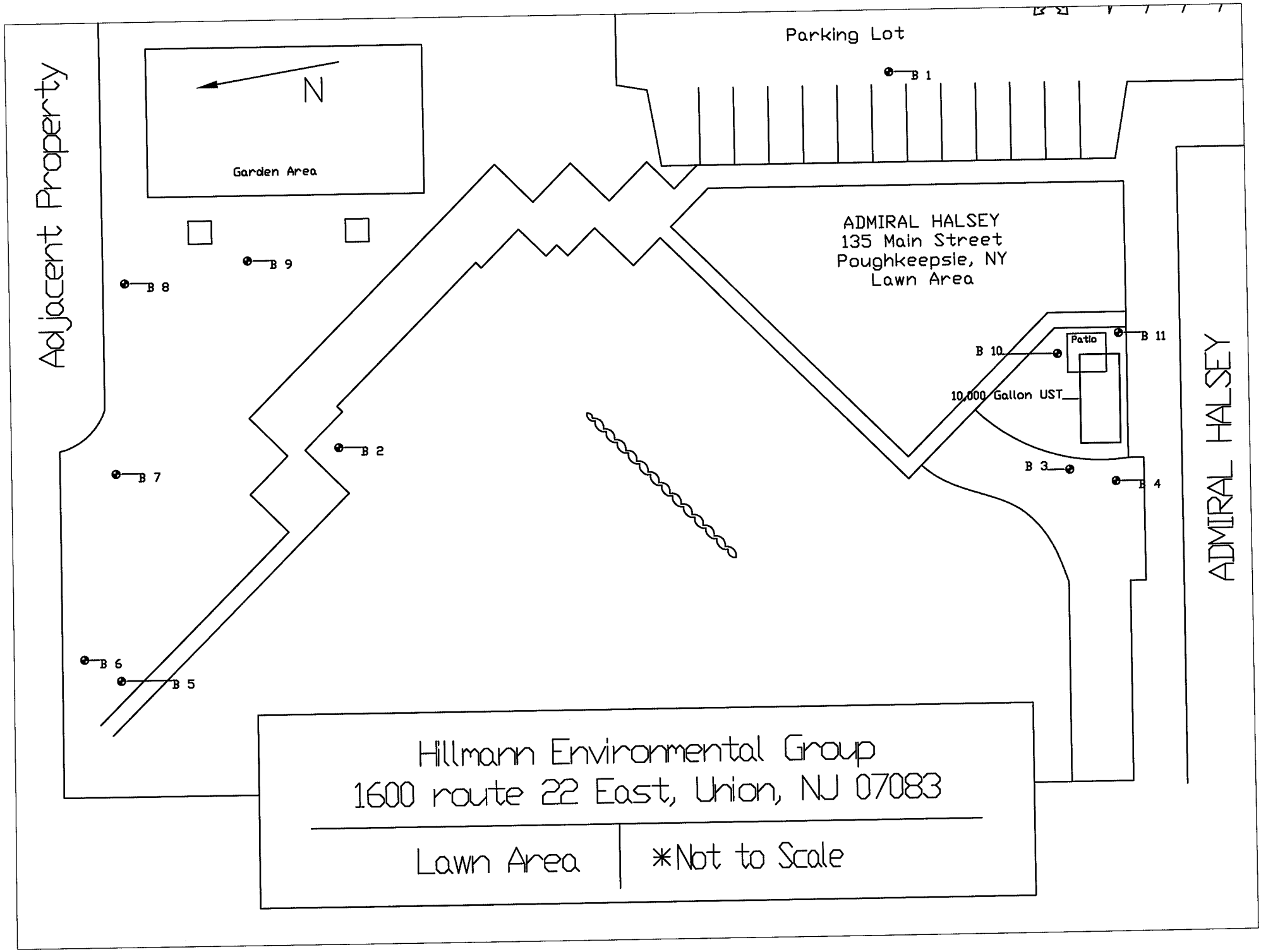
(Parking Lot)

| Hillmann Environmental Group<br>1600 Route 22 East<br>Union, NJ 07083 | Parking Lot Area | June 06, 2007<br>*Not to Scale |
|---|---|---|



# Site Diagram 2

(Yard/Tank Area)


Parking Lot
B 1
N
Garden Area
Adjacent Property
ADMIRAL HALSEY
135 Main Street
Poughkeepsie, NY
Lawn Area
B 9
B 8
B 10
Patio
B 11
10,000 Gallon UST
B 2
B 7
B 3
B 4
B 6
B 5
ADMIRAL HALSEY
Hillmann Environmental Group
1600 route 22 East, Union, NJ 07083
Lawn Area
*Not to Scale

# Attachment B

(Boring Logs)

## HILLMANN ENVIRONMENTAL GROUP, L.L.C.

RECORD OF SUBSURFACE EXPLORATION

TEST NO: B1 (TP = TEST PIT, B = BORING, A = AUGUR PROBE)
CLIENT: OMNI New York, LLC
PROJECT: Admiral Halsey
LOCATION: 135 Main Street
Poughkeepsie, NY 12601
HILLMANN PROJECT NO: N6- 1661
DRILLER: Team Drilling
HILLMANN REP: Matthew Scott
DATE START: 3/27/2007
DATE COMPLETE: 3/27/2007
DRILLING METHOD: Direct Push
RIG TYPE: GeoProbe
TEST METHOD:
SURFACE ELEVATION:
TERMINATION DEPTH:

| GROUNDWATER DATA | | |
|---|---|---|
| DEPTH (FT.) BGS | ELEV. (FT.) MSL | TIME |
| 7.5 | N/A | D- |
| | | C- |
| PRODUCT- | | |
| GW- | | |
| D=DURING DRILLING, C=COMPLETION | | |

| DEPTH (FEET) | SAMPLE DEPTH (FEET) | NO. | REC. INCH | BLOW/6" | N | DESCRIPTION | PID READING (PPM) | DEPTH (FEET) |
|---|---|---|---|---|---|---|---|---|
| 0 | | | 25 | | | asphalt (2")<br>sand, 1/2" rock (10")<br>brick, stone fill | | 0 |
| | | | | | | | | 4 |
| 5 | | | 34 | | | brick, stone fill (12")<br>dark, silty clay (10")<br>grayish, green silty clay (bottom) | | 5 |
| | | | | | | | | 8 |
| 0 | | | 18 | | | sandy, rocky, wet<br><br>sample B1@ 7'<br>groundwater @ 7.5' | | 10 |
| | | | | | | | | 12 |
| 5 | | | | | | | | 15 |
| | | | | | | | | 16 |
| 0 | | | | | | | | 20 |
| | | | | | | | | 20 |

## HILLMANN ENVIRONMENTAL GROUP, L.L.C.

**RECORD OF SUBSURFACE EXPLORATION**

TEST NO: B2 (TP = TEST PIT, B = BORING, A = AUGUR PROBE)
CLIENT: OMNI New York, LLC
PROJECT: Admiral Halsey
LOCATION: 135 Main Street
Poughkeepsie, NY 12601
HILLMANN PROJECT NO: N6- 1661
DRILLER: Team Drilling
HILLMANN REP: Matthew Scott

DATE START: 3/27/2007
DATE COMPLETE: 3/27/2007
DRILLING METHOD: Direct Push
RIG TYPE: GeoProbe
TEST METHOD:
SURFACE ELEVATION:
TERMINATION DEPTH:

| GROUNDWATER DATA | | |
|---|---|---|
| DEPTH (FT.) BGS | ELEV. (FT.) MSL | TIME |
| N/A | N/A | D- |
| | | C- |
| PRODUCT- | | |
| GW- | | |
| D=DURING DRILLING, C=COMPLETION | | |

| DEPTH (FEET) | SAMPLE DEPTH (FEET) | NO. | REC. INCH | BLOW/6" | N | DESCRIPTION | PID READING (PPM) | DEPTH (FEET) |
|---|---|---|---|---|---|---|---|---|
| 0 | | | 12 | | | organic soil / grass (12")<br>dark, sandy, silty<br>lighter sand, moist | | 0<br>4 |
| 5 | | | 17 | | | lighter sand, silty (3")<br>rocky, sand, silty clay (5")<br>rock sand<br>sample @ 7'<br>refusal @ 7.5' | | 5<br>8 |
| 0 | | | | | | | | 10<br>12 |
| 5 | | | | | | | | 15<br>16 |
| 0 | | | | | | | | 20<br>20 |

# HILLMANN ENVIRONMENTAL GROUP, L.L.C.

## RECORD OF SUBSURFACE EXPLORATION

TEST NO: B3 (TP = TEST PIT, B = BORING, A = AUGUR PROBE)
CLIENT: OMNI New York, LLC
PROJECT: Admiral Halsey
LOCATION: 135 Main Street
Poughkeepsie, NY 12601
HILLMANN PROJECT NO: N6- 1661
DRILLER: Team Drilling
HILLMANN REP: Matthew Scott

DATE START: 3/27/2007
DATE COMPLETE: 3/27/2007
DRILLING METHOD: Direct Push
RIG TYPE: GeoProbe
TEST METHOD:
SURFACE ELEVATION:
TERMINATION DEPTH:

| GROUNDWATER DATA | | |
|---|---|---|
| DEPTH (FT.) BGS | ELEV. (FT.) MSL | TIME |
| N/A | N/A | D- |
| | | C- |
| PRODUCT- | | |
| GW- | | |
| D=DURING DRILLING, C=COMPLETION | | |

| DEPTH (FEET) | SAMPLE DEPTH (FEET) | ND. | REC. INCH | BLOW/6" | N | DESCRIPTION | PID READING (PPM) | DEPTH (FEET) |
|---|---|---|---|---|---|---|---|---|
| 0 | | | 20 | | | asphalt (6")<br>rock, clay, sandy (13")<br><br>no fill | | 0<br>4 |
| 5 | | | 11 | | | dark, moist<br>sandy, coarse clay<br><br>sample @ 4.5'<br><br>groundwater @ 5' | | 5<br>8 |
| 0 | | | | | | | | 10<br>12 |
| 5 | | | | | | | | 15<br>16 |
| 0 | | | | | | | | 20<br>20 |

## HILLMANN ENVIRONMENTAL GROUP, L.L.C.

RECORD OF SUBSURFACE EXPLORATION

TEST NO: B4 (TP = TEST PIT, B = BORING, A = AUGUR PROBE)
CLIENT: OMNI New York, LLC
PROJECT: Admiral Halsey
LOCATION: 135 Main Street
Poughkeepsie, NY 12601
HILLMANN PROJECT NO: N6- 1661
DRILLER: Team Drilling
HILLMANN REP: Matthew Scott

DATE START: 3/27/2007
DATE COMPLETE: 3/27/2007
DRILLING METHOD: Direct Push
RIG TYPE: GeoProbe
TEST METHOD:
SURFACE ELEVATION:
TERMINATION DEPTH:

| GROUNDWATER DATA | | |
|---|---|---|
| DEPTH (FT.) BGS | ELEV. (FT.) MSL | TIME |
| N/A | N/A | D- |
| | | C- |
| PRODUCT- | | |
| GW- | | |
| D=DURING DRILLING, C=COMPLETION | | |

| DEPTH (FEET) | SAMPLE DEPTH (FEET) | SAMPLE NO. | SAMPLE REC. INCH | SAMPLE BLOW/6" | SAMPLE N | DESCRIPTION | PID READING (PPM) | DEPTH (FEET) |
|---|---|---|---|---|---|---|---|---|
| 0 | | | 20 | | | asphalt (6")<br>gravely sand (4")<br>coarse sand (10") | | 0<br>4 |
| 5 | | | 34 | | | coarse sand (6")<br>darker coarse sand<br>dense clay<br>organic green clay | | 5<br>8 |
| 0 | | | 22 | | | wet sandy clay<br>light brown to dark<br>groundwater @ 8' | | 10<br>12 |
| 5 | | | | | | | | 15<br>16 |
| 0 | | | | | | | | 20<br>20 |

# HILLMANN ENVIRONMENTAL GROUP, L.L.C.

## RECORD OF SUBSURFACE EXPLORATION

TEST NO: B10 (TP = TEST PIT, B = BORING, A = AUGUR PROBE)
CLIENT: OMNI New York, LLC
PROJECT: Admiral Halsey
LOCATION: 135 Main Street
Poughkeepsie, NY 12601
HILLMANN PROJECT NO: N6- 1661
DRILLER: Team Drilling
HILLMANN REP: Matthew Scott

DATE START: 3/27/2007
DATE COMPLETE: 3/27/2007
DRILLING METHOD: Direct Push
RIG TYPE: GeoProbe
TEST METHOD:
SURFACE ELEVATION:
TERMINATION DEPTH:

| GROUNDWATER DATA | | |
|---|---|---|
| DEPTH (FT.) BGS | ELEV. (FT.) MSL | TIME |
| N/A | N/A | D- |
| | | C- |
| PRODUCT- | | |
| GW- | | |
| D=DURING DRILLING, C=COMPLETION | | |

| DEPTH (FEET) | SAMPLE DEPTH (FEET) | NO. | REC. INCH | BLOW/6" | N | DESCRIPTION | PID READING (PPM) | DEPTH (FEET) |
|---|---|---|---|---|---|---|---|---|
| 0 | | | 12 | | | brown silty coarse sand<br>with medium 1" rocks (12") | | 0 |
| | | | | | | | | 4 |
| 5 | | | 16 | | | brown silty coarse sand<br>with medium 1" rocks (12")<br>wet silty brown clay (6")<br><br>groundwater @ 8'<br><br>terminated @ 8' | | 5 |
| | | | | | | | | 8 |
| 0 | | | | | | | | 10 |
| | | | | | | | | 12 |
| 5 | | | | | | | | 15 |
| | | | | | | | | 16 |
| 0 | | | | | | | | 20 |
| | | | | | | | | 20 |

# HILLMANN ENVIRONMENTAL GROUP, L.L.C.

## RECORD OF SUBSURFACE EXPLORATION

TEST NO: B11 (TP = TEST PIT, B = BORING, A = AUGUR PROBE)
CLIENT: OMNI New York, LLC
PROJECT: Admiral Halsey
LOCATION: 135 Main Street
Poughkeepsie, NY 12601
HILLMANN PROJECT NO: N6- 1661
DRILLER: Team Drilling
HILLMANN REP: Matthew Scott

DATE START: 3/27/2007
DATE COMPLETE: 3/27/2007
DRILLING METHOD: Direct Push
RIG TYPE: GeoProbe
TEST METHOD:
SURFACE ELEVATION:
TERMINATION DEPTH:

| GROUNDWATER DATA | | |
|---|---|---|
| DEPTH (FT.) BGS | ELEV. (FT.) MSL | TIME |
| N/A | N/A | D- |
| | | C- |
| PRODUCT- | | |
| GW- | | |
| D=DURING DRILLING, C=COMPLETION | | |

| DEPTH (FEET) | SAMPLE DEPTH (FEET) | NO. | REC. INCH | BLOW/6" | N | DESCRIPTION | PID READING (PPM) | DEPTH (FEET) |
|---|---|---|---|---|---|---|---|---|
| 0 | | | 16 | | | coarse, gravelly sand<br>with medium 1" rocks (16")<br>moist | | 0 |
| | | | | | | | | 4 |
| 5 | | | 12 | | | tan, coarse, gravelly sand<br>with medium 1" rocks (16")<br>wet @ 7.5'<br>groundwater @ 8'<br>terminated @ 8' | | 5 |
| | | | | | | | | 8 |
| 0 | | | | | | | | 10 |
| | | | | | | | | 12 |
| 5 | | | | | | | | 15 |
| | | | | | | | | 16 |
| 0 | | | | | | | | 20 |
| | | | | | | | | 20 |

# HILLMANN ENVIRONMENTAL GROUP, L.L.C.

RECORD OF SUBSURFACE EXPLORATION

TEST NO: B12 (TP = TEST PIT, B = BORING, A = AUGUR PROBE)
CLIENT: OMNI New York, LLC
PROJECT: Admiral Halsey
LOCATION: 135 Main Street
Poughkeepsie, NY 12601
HILLMANN PROJECT NO: N6- 1661
DRILLER: Team Drilling
HILLMANN REP: Matthew Scott

DATE START: 3/27/2007
DATE COMPLETE: 3/27/2007
DRILLING METHOD: Direct Push
RIG TYPE: GeoProbe
TEST METHOD:
SURFACE ELEVATION:
TERMINATION DEPTH:

| GROUNDWATER DATA | | |
|---|---|---|
| DEPTH (FT.) BGS | ELEV. (FT.) MSL | TIME |
| N/A | N/A | D- |
| | | C- |
| PRODUCT- | | |
| GW- | | |
| D=DURING DRILLING, C=COMPLETION | | |

| DEPTH (FEET) | SAMPLE DEPTH (FEET) | ND. | REC. INCH | BLDW/6" | N | DESCRIPTION | PID READING (PPM) | DEPTH (FEET) |
|---|---|---|---|---|---|---|---|---|
| 0 | | | 36 | | | asphalt (6")<br>tan/brown clayey coarse sand<br>with 1" rocks (30")<br>moist | | 0 |
| 5 | | | 30 | | | tan/brown clayey coarse sand<br>with 1" rocks (36")<br>wet @ 8' | | 5 |
| 0 | | | | | | | | 10 |
| 5 | | | | | | | | 15 |
| 0 | | | | | | | | 20 |

# HILLMANN ENVIRONMENTAL GROUP, L.L.C.

## RECORD OF SUBSURFACE EXPLORATION

TEST NO: B13 (TP = TEST PIT, B = BORING, A = AUGUR PROBE)
CLIENT: OMNI New York, LLC
PROJECT: Admiral Halsey
LOCATION: 135 Main Street
Poughkeepsie, NY 12601
HILLMANN PROJECT NO: N6- 1661
DRILLER: Team Drilling
HILLMANN REP: Matthew Scott

DATE START: 3/27/2007
DATE COMPLETE: 3/27/2007
DRILLING METHOD: Direct Push
RIG TYPE: GeoProbe
TEST METHOD:
SURFACE ELEVATION:
TERMINATION DEPTH:

| GROUNDWATER DATA | | |
|---|---|---|
| DEPTH (FT.) BGS | ELEV. (FT.) MSL | TIME |
| N/A | N/A | D- |
| | | C- |
| PRODUCT- | | |
| GW- | | |
| D=DURING DRILLING, C=COMPLETION | | |

| DEPTH (FEET) | SAMPLE DEPTH (FEET) | NO. | REC. INCH | BLOW/6" | N | DESCRIPTION | PID READING (PPM) | DEPTH (FEET) |
|---|---|---|---|---|---|---|---|---|
| 0 | | | 40 | | | asphalt (5")<br>tan/brown/black coarse grain sand and gravel (15")<br>gray ash/sand (20") | | 0 |
| | | | | | | | | 4 |
| 5 | | | 40 | | | gray ash/sand (10")<br>black/tan gravelly sand (20")<br>tan silty clay (10")<br>wet @ 8'<br>terminated @ 8' | | 5 |
| | | | | | | | | 8 |
| 0 | | | | | | | | 10 |
| | | | | | | | | 12 |
| 5 | | | | | | | | 15 |
| | | | | | | | | 16 |
| 0 | | | | | | | | 20 |
| | | | | | | | | 20 |

## HILLMANN ENVIRONMENTAL GROUP, L.L.C.

**RECORD OF SUBSURFACE EXPLORATION**

TEST NO: B14 (TP = TEST PIT, B = BORING, A = AUGUR PROBE)
CLIENT: OMNI New York, LLC
PROJECT: Admiral Halsey
LOCATION: 135 Main Street
Poughkeepsie, NY 12601
HILLMANN PROJECT NO: N6- 1661
DRILLER: Team Drilling
HILLMANN REP: Matthew Scott

DATE START: 3/27/2007
DATE COMPLETE: 3/27/2007
DRILLING METHOD: Direct Push
RIG TYPE: GeoProbe
TEST METHOD:
SURFACE ELEVATION:
TERMINATION DEPTH:

| GROUNDWATER DATA | | |
|---|---|---|
| DEPTH (FT.) BGS | ELEV. (FT.) MSL | TIME |
| N/A | N/A | D- |
| | | C- |
| PRODUCT- | | |
| GW- | | |
| D=DURING DRILLING, C=COMPLETION | | |

| DEPTH (FEET) | SAMPLE OEPTH (FEET) | NO. | REC. INCH | BLOW/6" | N | OESCRIPTION | PIO REAOING (PPM) | OEPTH (FEET) |
|---|---|---|---|---|---|---|---|---|
| 0 | | | 8 | | | moist silty sand and organic material (4")<br>tan/brown coarse grain sand (4") | | 0<br>4 |
| 5 | | | 20 | | | fill (red brick) (10")<br>tan/brown silty sand<br>with black streaks (10")<br>wet @ 7' | | 5<br>8 |
| 0 | | | 24 | | | tan/brown silty sand<br>with black streaks (24")<br>temporary well @ 12' | | 10<br>12 |
| 5 | | | | | | | | 15<br>16 |
| 0 | | | | | | | | 20<br>20 |

HILLMANN ENVIRONMENTAL GROUP, LLC



# VAPOR INTRUSION INVESTIGATION

**Admiral William F. Halsey Senior Village**
**135 Main Street**
**Poughkeepsie, NY**

**July 13, 2007**

**Prepared for:**

**Admiral Halsey, LP**
**c/o Omni New York, LLC**
**885 Second Avenue 31st Floor, Suite C**
**New York, New York 10017**

**Alliant Credit Facility, Ltd ISAOA**
**Alliant Credit Facility, ALP, LLC ISAOA**
**2160 Oxnard Street, Suite 1200**
**Woodland, CA 91367**

**Citibank, N.A.**
**One Court Square**
**45th Floor, Zone 12**
**Long Island City, NY 10022**

**New York State Housing Finance Agency**
**641 Lexington Avenue, 4th Floor**
**New York, NY 10022**

**Prepared by:**

**Hillmann Environmental Group, LLC**
**300 Main Street**
**Chatham, New York**
**Tel: (518) 392-8660**
**Fax: (518) 392-8662**

**Project Number Y2-2741**

**July 13, 2007**

**VAPOR INTRUSION INVESTIGATION**

| | |
|---|---|
| **PROJECT NUMBER:** | **Y2-2741** |
| **SUBJECT PROPERTY:** | **Admiral William F. Halsey Senior Village**<br>**Poughkeepsie, NY** |
| **DATE OF SITE ASSESSMENT:** | **Vapor Intrusion Investigations**<br>**June 15, 21, 22, 2007** |
| **ASSESSMENT PERSONNEL:** | **Shane Bielawski**<br>**Assistant Branch Manager**<br>**Trevor Wescott**<br>**Industrial Hygienist**<br>**HILLMANN ENVIRONMENTAL GROUP, LLC** |
| | *Shane Bielawski* |
| | *Trevor Wescott* |
| **REPORT REVIEWED BY:** | **Jennifer Brown, MPS, CHMM**<br>**Director, EH&S**<br>**HILLMANN ENVIRONMENTAL GROUP, LLC** |
| | *Jennifer Brown* |

**I**

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# SECTION 1 – EXECUTIVE SUMMARY

## 1.1 General

On June 15, 21, and 22, 2007, Hillmann Environmental Group, LLC (Hillmann), conducted Vapor Intrusion Investigations of the Admiral William F. Halsey Senior Village, located at 135 Main Street in Poughkeepsie, NY. The investigation was conducted to evaluate the potential impact of remaining materials from a former Manufactured Gas Plant (MGP) on the subject property.

On June 15, 2007 a Pre-Inspection was conducted by Mr. Trevor Wescott of Hillmann. The Pre-Inspections consisted of a visual inspection and measurements of Volatile Organic Compounds (VOCs) with a Photo Ionization Detector (PID). The PID measurements were utilized for determining the potential presence of compounds in the air which may interfere with the Vapor Intrusion Investigation.

On June 21 through 22, 2007 vapor intrusion sampling was conducted by Mr. Trevor Wescott and Mr. Shane Bielawski of Hillmann. The vapor intrusion investigation consisted of the placement of six (6) summa canisters for a total duration of 24 hours. The summa canisters were analyzed for VOCs via the TO-15 Method as required for compliance with USEPA and NYDOH guidelines.

## 1.2 Background Introduction

Vapor intrusion refers to the migration of vapors from subsurface contaminant sources into buildings. Sources include but are not limited to: manufactured gas plants, underground storage tanks, drycleaners, other manufacturing processes, etc. Environmental and or building factors may increase the potential for vapor intrusion if a source is present. These factors include the following: soil conditions, volatile organic compound concentrations, source locations, groundwater conditions, surface confining layer, fractures in bedrock and/or tight clay soils, underground conduits, weather conditions, biodegradation processes, operation of HVAC systems, fireplaces, heated buildings, air exchange rates, foundation type, foundation integrity and subsurface features that penetrate the building's foundation.

## 1.3 Site Background

The Admiral William F. Halsey Senior Village consists of a stand alone, thirteen story building located at 135 Main Street in Poughkeepsie, NY.

A manufactured gas plant existed on the premises prior to the current building.

### 1.4 Manufactured Gas Plants (MGPs)

Manufactured Gas Plants (MGPs) were utilized between the early 1800s and mid 1900s in order to convert coal and/or oil and/or water into fuel for the purposes of heating, lighting, cooking, etc. The process of converting these raw materials into a usable fuel also produced waste byproducts in the form of coal tar and other purified wastes. Coal tar deposits left from these MGPs are the source of concern for vapor intrusion into buildings constructed on, or adjacent to, these deposits. Coal tar can be divided into two categories, namely BTEX and Polycyclic Aromatic Hydrocarbons (PAHs). BTEX consists of benzene, toluene, ethylbenzene and xylenes, which are considered volatile organic compounds. PAHs consist of many semi-volatile organic compounds.

### 1.5 Applicable Studies

In order to evaluate whether vapor intrusion is or may be occurring at a particular site, background airborne concentrations need to be evaluated. The studies and limited discussion of such that were utilized as background criteria are the following:

New York State Department of Health (NYSDOH) 2003: Study of Volatile organic Chemicals in Air of Fuel Oil Heated Homes. The benchmark used in this study is the upper fences, which is calculated as 1.5 times the interquartile range (difference between the $25^{th}$ and $75^{th}$ percentile values) above the $75^{th}$ percentile value. It is a boundary estimate used to account for outliers in the data. This study encompassed 104 single family fuel oil heated homes throughout New York State. Samples were collected for two hours in SUMMA canisters and analyzed via EPA TO-15 Methodology. Limitations in this study design were the exclusion of New York City, only fuel heated homes were selected and the homes were not randomly selected.

Environmental Protection Agency (EPA) 2001: Building Assessment and Survey Evaluation (BASE) Database. The benchmark used in this study is the $90^{th}$ percentile value. The study encompassed 100 randomly selected public and commercial office buildings. Samples were collected for 9 hours with the SUMMA canister and analyzed via TO-14 methodology and by sorbent tube for 8 hours and analyzed via TO1 Methodology Limitations in this study design were it only represented office type settings and different analysis/methodologies with non overlapping agreement in results.

New York State Department of Health (NYSDOH) 1997: Control Home Database. The benchmark used in this study is the $90^{th}$ percentile value. The study encompassed 53 residences in the New York State that are considered control homes. Due to the length of time of the study (from 1989-1996), a number of methodologies along with sampling criteria were utilized during the study which often varied in the length of time homes were sampled. Limitations in this study design were the small sampling size of homes, varying detection limits and multiple methodologies.

Environmental Protection Agency (EPA) 1988: National Ambient Volatile Organic Compounds (VOCs) Data Base Update. The benchmark used in this study is the $75^{th}$ percentile value. The study encompassed office and residential spaces. Limitations in this study design were the use of both residential and office spaces, sample size for some of the analytes is small. Limitations in the use of this study in comparison to the data in vapor intrusion studies is the data may be dated in the use of current indoor air quality exposures.

### 1.6 Scope of the Investigation

The vapor intrusion evaluation consisted of one round of sampling for VOCs by TO-15 Method. Samples were collected from the Sub-Basement, Maintenance Room, Community Room, on the 1st Floor Adjacent the Elevator, and on the 6th Floor Adjacent the Elevator. Also, during the sampling events, one outdoor reference sample was collected.

### 1.7 Findings

Hillmann has evaluated the sampling data from the round of sampling and compared these concentrations to four published studies by both the EPA and the NYSDOH. The observed data are not indicative of vapor intrusion due to abandoned manufactured gas plants (MGP). The majority of the results were below the limit of detection for the analytical method employed. A small fraction of the results exceeded the limit of detection. These exceedances were randomly located and the constituents are consistent with common cleaning products. None of the areas with observed concentrations had a combination of components that could be associated with MGP vapor intrusions. In addition, the levels are likely to be transient and of little concern. Similar levels are often observed in occupied living spaces that have no potential for MGP vapor intrusion.

Samples sent to EMSL Laboratory

| Compound | Number of Samples Exceeding | | | | |
|---|---|---|---|---|---|
| | Detection Limit | EPA BASE Data[1] | EPA Database[2] | NYSDOH-VOC in Air of Fuel Oil Heated Homes | NYSDOH-Control Home Database |
| | | Offices 1994 to 1996; Published 2001 | Homes & Offices 1970 - 1988 | 1997-2003 | 1997 |
| 1,1,1-trichloroethane | 0 | 0 | 0 | 0 | 0 |
| 1,1,2,2-tetrachloroethane | 0 | 0 | 0 | 0 | 0 |
| 1,1,2-trichloroethane | 0 | 0 | 0 | 0 | 0 |
| 1,1,-dichloroethane | 0 | 0 | 0 | 0 | 0 |
| 1,1-dichloroethene | 0 | 0 | 0 | 0 | 0 |
| 1,2-dibromoethane | 0 | 0 | 0 | 0 | 0 |
| trans-1,2-Dichloroethene | 0 | 0 | 0 | 0 | 0 |
| 1,2-dichloroethane | 0 | 0 | 0 | 0 | 0 |
| 1,2-dichlorobenzene | 0 | 0 | 0 | 0 | 0 |
| 1,2-dichloropropane | 0 | 0 | 0 | 0 | 0 |
| 1,3-Butadiene | 0 | 0 | 0 | 0 | 0 |
| 1,3-dichlorobenzene | 0 | 0 | 0 | 0 | 0 |
| cis-1,3-Dichloropropene | 0 | 0 | 0 | 0 | 0 |
| trans, 1,3-Dichloropropene | 0 | 0 | 0 | 0 | 0 |
| 1,2,4-Trichlorobenzene | 0 | 0 | 0 | 0 | 0 |
| 1,2,4-trimethylbenzene | 1 | 0 | 1 | 1 | 0 |
| 1,3,5-trimethylbenzene | 0 | 0 | 0 | 0 | 0 |
| 1,4-Dioxane | 0 | 0 | 0 | 0 | 0 |
| 1,4-Dichlorobenzene | 1 | 1 | 0 | 1 | 1 |
| 2-Butanone (MEK) | 5 | 0 | 0 | 0 | 0 |
| 2-Chlorotoluene | 0 | 0 | 0 | 0 | 0 |
| 2,2,4-Triethylpentane (Isooctane) | 0 | 0 | 0 | 0 | 0 |
| 2-Hexanone (MBK) | 0 | 0 | 0 | 0 | 0 |
| 3-Chloropropene (Allyl chloride) | 0 | 0 | 0 | 0 | 0 |
| 4-Methyl-2-pentanone (MIBK) | 0 | 0 | 0 | 0 | 0 |
| 4-Ethyltoluene | 1 | 1 | 0 | 0 | 0 |
| Acetonitrile | 0 | 0 | 0 | 0 | 0 |
| acetone | 5 | 0 | 1 | 0 | 0 |
| Acrylonitrile | 0 | 0 | 0 | 0 | 0 |
| benzene | 0 | 0 | 0 | 0 | 0 |
| Benzyl chloride | 0 | 0 | 0 | 0 | 0 |
| bromo-dichloromethane | 0 | 0 | 0 | 0 | 0 |
| Bromoethane (Ethyl bromide) | 0 | 0 | 0 | 0 | 0 |
| Bromoethene (Vinyl bromide) | 0 | 0 | 0 | 0 | 0 |
| Bromoform | 0 | 0 | 0 | 0 | 0 |
| carbon tetrachloride | 0 | 0 | 0 | 0 | 0 |
| Carbon disulfide | 0 | 0 | 0 | 0 | 0 |
| chlorobenzene | 0 | 0 | 0 | 0 | 0 |
| Chloroethane | 0 | 0 | 0 | 0 | 0 |
| chloroform | 0 | 0 | 0 | 0 | 0 |
| Cyclohexane | 0 | 0 | 0 | 0 | 0 |

| | Number of Samples Exceeding | | | | |
|---|---|---|---|---|---|
| | | **EPA BASE Data[1]** | **EPA Database[2]** | **NYSDOH-VOC in Air of Fuel Oil Heated Homes** | **NYSDOH-Control Home Database** |
| | | | | | |
| cis-1,2-dichloroethene | 0 | 0 | 0 | 0 | 0 |
| dibromo-chloromethane | 0 | 0 | 0 | 0 | 0 |
| Ethyl acetate | 1 | 0 | 0 | 0 | 0 |
| Ethanol | 6 | 0 | 0 | 0 | 0 |
| ethylbenzene | 0 | 0 | 0 | 0 | 0 |
| Freon 11 (Trichlorofluoromethane) | 1 | 0 | 0 | 0 | 0 |
| Freon 12 (Dichlorodifluoromethane) | 1 | 0 | 0 | 0 | 0 |
| Freon 113 (1,1,2-Trichlorotrifluoroethan) | 0 | 0 | 0 | 0 | 0 |
| Freon 114 (1,2-Dichlorotetrafluoroethan) | 0 | 0 | 0 | 0 | 0 |
| Hexachloro-1,3-butadiene | 0 | 0 | 0 | 0 | 0 |
| n-Heptane | 0 | 0 | 0 | 0 | 0 |
| n-hexane | 0 | 0 | 0 | 0 | 0 |
| Isopropl alchohol (2-Propanol) | 2 | 0 | 0 | 0 | 0 |
| methyl bromide (bromomethane) | 0 | 0 | 0 | 0 | 0 |
| methyl chloride (chloromethane) | 2 | 0 | 0 | 0 | 0 |
| methylene chloride | 1 | 1 | 0 | 0 | 0 |
| m,p-xylene | 1 | 0 | 0 | 0 | 0 |
| methyl-tert-butyl-ether (MTBE) | 0 | 0 | 0 | 0 | 0 |
| o-xylene | 0 | 0 | 0 | 0 | 0 |
| Propylene | 0 | 0 | 0 | 0 | 0 |
| styrene | 0 | 0 | 0 | 0 | 0 |
| Tertiary butyl alcohol (TBA) | 0 | 0 | 0 | 0 | 0 |
| tetrachloroethene | 0 | 0 | 0 | 0 | 0 |
| Tetrahydrofuran | 0 | 0 | 0 | 0 | 0 |
| Toluene | 3 | 0 | 0 | 0 | 0 |
| trichloroethene | 0 | 0 | 0 | 0 | 0 |
| Vinyl acetate | 0 | 0 | 0 | 0 | 0 |
| vinyl chloride | 0 | 0 | 0 | 0 | 0 |

*EPA Database shows value of 0 $mg/m^3$ as $75^{th}$ percentile, but this is likely a typographical error as they show 32 $mg/m^3$ as the $50^{th}$ percentile. Based on the EPA's published range of data, a value of 0 $mg/m^3$ for the $75^{th}$ percentile is mathematically impossible.

Although there were detections of numerous chemicals, these chemicals represent a wide variety of uses and are not indicative of MGP vapor intrusion. Furthermore, only a small percentage of samples exceed values typical of homes and offices as described by the US EPA and NYSDOH studies.

**1.8 Conclusions and Recommendations**

Based on Hillmann's review of indoor sample results, indoor air quality is not anticipated to cause occupant illness or require immediate remediation. In order to conduct a comprehensive vapor intrusion assessment NYSDOH Guidelines recommend that sub-slab soil vapor samples be collected. Sub-slab samples are an important component used to compare with indoor and outdoor samples in order to evaluate current and potential human exposures (e.g. if the building's structural integrity or use changes) and determine the site-specific attenuation factors, which compares the ratio of indoor air to sub-slab vapor concentrations. Furthermore, it may be prudent for follow-up sampling to be conducted on a periodic basis (such as annual or bi-annual) to ensure these conditions do not change over time. If significant changes occur at the building (increase or decrease HVAC, digging, vibration, etc) the potential for vapor intrusion may increase.

## SECTION 2 - INTRODUCTION

### 2.1 General

On June 15, 21, and 22, 2007, Hillmann Environmental Group, LLC (Hillmann), conducted Vapor Intrusion Investigations of the Admiral William F. Halsey Senior Village, located at 135 Main Street in Poughkeepsie, NY. The investigation was conducted to evaluate the potential impact of remaining materials from a former Manufactured Gas Plant (MGP) on the subject property.

On June 15, 2007 a Pre-Inspection was conducted by Mr. Trevor Wescott of Hillmann. The Pre-Inspections consisted of a visual inspection and measurements of Volatile Organic Compounds (VOCs) with a Photo Ionization Detector (PID). The PID measurements were utilized for determining the potential presence of compounds in the air which may interfere with the Vapor Intrusion Investigation.

On June 21 through 22, 2007 vapor intrusion sampling was conducted by Mr. Trevor Wescott and Mr. Shane Bielawski of Hillmann. The vapor intrusion investigation consisted of the placement of six (6) summa canisters for a total duration of 24 hours. The summa canisters were analyzed for VOCs via the TO-15 Method as required for compliance with USEPA and NYDOH guidelines.

The vapor intrusion inspection was performed under guidance of the New York State Department of Health Center of Environmental Health Bureau of Environmental Exposure Investigation (NYSDOH CEH BEEI). The document is intended as general guidance for evaluating vapor intrusion in the State of New York. The methodology is a reasonable and practical approach to identifying and addressing current and potential human exposures to vapor intrusion.

The inspection and sampling were performed by trained industrial hygienists using Environmental Protection Agency (EPA) and National Institute for Occupational Safety and Health (NIOSH) sampling techniques. Samples were analyzed at an appropriately accredited laboratory. These samples, representative of a narrow time frame, were for screening purposes only and were not intended to represent definitive exposure levels.

### 2.2 Sampling Parameters and Methodology

Hillmann selected the sampling parameters based on consultations with the Client, the laboratories performing the analysis and our in-house experts. The chosen parameters for the pre-inspection walk-through were direct read volatile organic compounds via (PID). During the vapor intrusion investigation the chosen parameter was volatile organic compounds via TO-15 Method.

### PRE-INSPECTION

All areas that were to be sampled were inspected for conditions that could interfere with the proposed analysis. The investigator utilized a handheld PID to identify preexisting conditions that were generating volatile organic compound vapors. Where identified, the source was removed prior to sampling. The investigator also conducted a visual inspection of the area to assure that there would be no problems with the selected sampling locations.

## VAPOR INTRUSION INVESTIGATION

Volatile Organic Compounds (VOCs) were collected by drawing air through a 6 Liter Summa Canister and analyzed for VOCs via the TO-15 Method. These canisters were evacuated to a vacuum of 30 lbs per square inch. Samples were collected for a total duration of 24 hours. This method has been recognized by the USEPA and the NYS DOH as the appropriate sampling method for vapor intrusion investigations and is capable of reaching limits of detection below the levels established by the USEPA and the NYDEC. At the completion of sampling, the canisters were collected and delivered to an accredited laboratory for analysis. Samples were sent EMSL in Westmont, for analysis.

# SECTION 3 – DISCUSSION

## 3.1 Pre-Inspection (Visual Observations and VOCs via PID)

The pre-inspections consisted of visual observations along with measurements of VOCs with a Photo Ionization Detector (PID). [Hillmann personnel] made verbal recommendations made to [who? Identify] at the time of the pre-inspections for removal of potential interferences [with] the TO-15 sampling event based on these visual observations and PID measurements. It was observed that the housekeeping and maintenance personnel are storing multiple chemicals throughout the facility. These chemicals ranged from normal cleaning products to paints and thinners. While the storage of small volumes of these materials for daily use is not a threat to occupants, their presence does present a potential interference with the investigation's data collection.

## 3.2 Vapor Intrusion Investigation (VOCs via TO-15 Method)

The vapor intrusion evaluation consisted of one round of sampling for VOCs by TO-15 Method in the subject building. Samples were collected from the Sub-Basement, Maintenance Room, Community Room, on 1$^{st}$ Floor Adjacent the Elevator, and on the 6$^{th}$ Floor Adjacent the Elevator. Also, during the sampling events, one outdoor reference sample was collected.

Hillmann has evaluated the sampling data from the round of sampling and compared these concentrations to four published studies by both the EPA and the NYSDOH. Based on the sampling data, Hillmann has not identified concentrations of volatile organic compounds that are likely to be associated with manufactured gas byproducts. The identified compounds included items such as acetone (a lab contaminant), ethanol (cleaning products), and petroleum hydrocarbons (products of auto emissions). While some of these compounds are also found in MGPs, none of the properties showed evidence of a combination of compounds that would indicate impact from the previous manufacturing processes.

**Weather Conditions on Sampling Days**

| Date | Mean Temperature (ºF) | Precipitation (inches) |
|---|---|---|
| **June 15, 2007** | **64** | **0.0** |
| **June 21, 2007** | **66** | **0.0** |
| **June 22, 2007** | **64** | **0.0** |

**www.wunderground.com/history**

**Summary of Exceedances by Building**

| BUILDING LOCATION | DATE OF SAMPLING | Weather Conditions | | Parameters above guidance levels (EPA BASE) |
|---|---|---|---|---|
| **EMSL SAMPLES** | | **TEMP** | **PRECIP.** | |
| Sub-Basement | 6-21-07 to 6-22-07 | 66/64° F | 0.0/0.0 | 0 |
| Maintenance Room | 6-21-07 to 6-22-07 | 66/64° F | 0.0/0.0 | 3 |
| Community Room | 6-21-07 to 6-22-07 | 66/64° F | 0.0/0.0 | 0 |
| 1st Floor Adjacent Elevator | 6-21-07 to 6-22-07 | 66/64° F | 0.0/0.0 | 1 |
| 6th Floor Adjacent Elevator | 6-21-07 to 6-22-07 | 66/64° F | 0.0/0.0 | 0 |
| Ambient-Rear of Building | 6-21-07 to 6-22-07 | 66/64° F | 0.0/0.0 | 0 |

Samples results do not appear to show any spatial or temporal trend, nor is there any indication of an interaction with the weather.

## SECTION 4 – CONCLUSIONS AND RECOMMENDATIONS

### 4.1 Conclusions

Based on Hillmann's review, indoor air quality is not anticipated to cause occupant illness or require immediate remediation. Based on the data that we have at this time, Hillmann has found no evidence that an increase health risk exists from the previous Manufactured Gas Plant (MGP). Although the NYSDOH or Hillmann recognize the upper range of the comparative data as a valid reference, it should be noted that very few samples would exceed this level present in some non-impacted homes. Furthermore, it should be noted that samples were collected from areas susceptible to organic vapors from maintenance products and processes.

### 4.2 Recommendations

Based on Hillmann's review of indoor sample results, indoor air quality is not anticipated to cause occupant illness or require immediate remediation. In order to conduct a comprehensive vapor intrusion assessment NYSDOH Guidelines recommend that sub-slab soil vapor samples be collected. Sub-slab samples are an important component used to compare with indoor and outdoor samples in order to evaluate current and potential human exposures (e.g. if the building's structural integrity or use changes) and determine the site-specific attenuation factors, which compares the ratio of indoor air to sub-slab vapor concentrations. Furthermore, it may be prudent for follow-up sampling to be conducted on a periodic basis (such as annual or bi-annual) to ensure these conditions do not change over time. If significant changes occur at the building (increase or decrease HVAC, digging, vibration, etc) the potential for vapor intrusion may increase.

## SECTION 5 – APPENDICES

### 5.1 List of Abbreviations

| | |
|---|---|
| AIHA | American Industrial Hygiene Association |
| ACGIH | American Conference of Governmental Industrial Hygienists |
| ASHRAE | American Society of Heating, Refrigeration and Air-conditioning Engineers |
| CDC | Centers for Disease Control |
| EPA | Environmental Protection Agency |
| NAAQS | National Ambient Air Quality Standard |
| NIOSH | National Institute for Occupational Safety and Health |
| OSHA | Occupational Safety and Health Administration |
| $CFU/m^3$ | Colony forming units per cubic meter of air |
| F/cc | Fibrous dust per cubic centimeter of air |
| HVAC | Heating, ventilation & air-conditioning |
| $mg/m^3$ | Milligrams per cubic meter of air |
| PEL | Permissible exposure level. This is the enforceable standard. |
| pCi/L | Picocuries per liter of air |
| ppm | Parts per million |
| TLV | Threshold limit value |
| TWA | Time weighted average |

**5.2 References**

1. American Conference of Governmental Industrial Hygienists, Guidelines For The Assessment Of Bioaerosols In The Indoor Environmental, Cincinnati, Ohio 1989.

2. Plog, B. A., Benjamin, G. S., and Kerwin, M. A.; Fundamentals of Industrial Hygiene, Fourth Edition; National Safety Council; 1996.

3. McDermott, Henry J.; Handbook of Ventilation for Contaminant Control, Second Edition; Butterworth Publishers; 1985.

4. Committee on Industrial Ventilation; Industrial Ventilation 22nd; Edition; "A Manual of Recommended Practice"; American Conference of Governmental Industrial Hygienists, Inc.; 1995.

5. ANSI/ASHRAE; Thermal Environmental Conditions for Human Occupancy 55-2004 ASHRAE; 2004.

6. ANSI/ASHRAE; Ventilation for Acceptable Indoor Air Quality, 62-1989; ASHRAE; 1990.

7. Building Assessment and Survey Evaluation (BASE '94-'98). Unpublished. Indoor Environments Division, United States Environmental Protection Agency, Washington, DC.

8. National Ambient Volatile Organic Compounds (VOCs) Data Base Update. 1988. Nero and Associates, Portland, OR, for the United States Environmental Protection Agency, Research Triangle Park, NC. EPA PB88-195631.

9. New York State Department of Health 2003: Study of Volatile Organic Chemicals if Air in Fuel Oil Heated Homes

10. New York Department of Health . 1997. "Background Indoor/Outdoor Air Levels of Volatile Organic Compounds in Homes Sampled by the New York State Department of Health, 189-1996" Bureau of Toxic Substance Assessment, Troy, NY.

11. New York State Department of Health October 2006. Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York.

12. Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air Second Edition, Compendium Method TO-15, Determination of Volatile Organic Compounds (VOCs) In Air Collected in Specially-Prepared Canisters and Analyzed by Gas Chromatography/Mass Spectrometry (GC/MS); January 1999

13. New York State Department of Health in conjunction with ConEdison, Fact Sheet Start of Investigation of a Former Manufactured Gas Plant at Peter Cooper Village, January 2003

14. East 21st Street Works Site Comprehensive Report of Evaluation of Indoor Air and Soil Gas Sampling for Sampling Dates June 2003, August 2003 and March-May 2004, the RETEC Group, Inc, November 10, 2004

# APPENDIX A—CHARTS OF SAMPLE RESULTS

APPENDIX B—CHAINS OF CUSTODIES

APPENDIX C—Detection Limits

# Environmental Health Investigations, Inc.

655 West Shore Trail
Sparta, New Jersey 07871

Phone/Fax: 973-729-5649
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September 8, 2008

Ms. Courtney Reed
Admiral Halsey, LP
C/o Omni New York LLC
885 Second Avenue
31st Floor, Suite C
New York, NY 10017

Re: Radon Testing
Admiral Halsey, Poughkeepsie, NY Radon Report

Dear Ms. Reed:

Attached is our Report of Findings regarding the radon testing conducted at the above-referenced addresses.

Please let me know if you have any questions.

Very truly yours,

Bob Arneil

Bob Arneil
Vice President - New York Operations

Cc: Ms. Megan Black

Environmental Health Investigations, Inc.

655 West Shore Trail
Sparta, New Jersey 07871

Phone/Fax: 973-729-5649
www.ehi-inc.com

# REPORT OF FINDINGS

**Radon Testing**

**Admiral Halsey, Poughkeepsie, New York**

**On Behalf Of:**

**Admiral Halsey, LP**
**C/o Omni New York LLC**
**885 Second Avenue**
**31st Floor, Suite C**
**New York, NY 10017**

**Testing Conducted: August 26 thru August 28, 2008**
**Report Dated: September 8, 2008**

**EHI Project #: 0561-2481**

**Admiral Halsey, LP**
**C/o Omni New York, LLC**
**Poughkeepsie, NY**

**Radon Testing**
**August 26-28, 2008**
**EHI Project #: 0561-2481**

## 1.0 Introduction

Environmental Health Investigations, Inc. (EHI) was retained by Admiral Halsey, LP, C/o of Omni New York, LLC to conduct radon testing at the Admiral Halsey facility in Poughkeepsie, New York. The testing commenced on August 26, 2008 and concluded on August 28, 2008.

The testing was conducted by Ms. Lisa LiLoia of EHI.

## 2.0 Methodology

Radon is a colorless, odorless, naturally occurring, radioactive inert gas formed by the radioactive decay of the element Radium. Radium can be found in rock formations that underlie the foundation of a building or residence. Therefore, radon testing is conducted in the lowest level suitable for occupancy in a particular building. Should there be no basement level, the lowest occupied level is acceptable. In the case of Admiral Halsey the lowest occupied levels are called "Ground Floor". Open building conditions, i.e. open doors and windows, were prevalent due to the season, summer. No fans or other air handling equipment were in use, these items could have affected the outcome of the tests.

Testing began on August 26, 2008 at 3 locations. The canisters, 1 in each location, were placed in unobtrusive locations to avoid curiosity-based disturbances and were a minimum of 20 inches off the floor. The US EPA recommends that a short-term Radon test be conducted for at least 48 hours and could extend up to 90 days. At Admiral Halsey, the 48 hour protocol was followed. The tests are passive and require only activation, time logs and de-activation.

On August 28, 2007, Ms. LiLoia returned to the sites and retrieved the canisters. The

canisters were then sent to a NYS ELAP-certified laboratory for analysis.

## 3.0 Results

Results were received on September 2, 2008. The following is a summary of findings.

| Location | Sample # | Start Time | Finish Time | Duration | Result (pCi/L) |
|---|---|---|---|---|---|
| Main Office | R-016822 | 8-26-08 1:28 PM | 8-28-08 2:05 PM | 48 hrs. 37 mins. | <1.8 |
| Community Room | R-016821 | 8-26-08 1:21 PM | 8-28-08 2:00 PM | 48 hrs. 39 mins. | <1.8 |
| Boiler Room | R-017504 | 8-26-08 1:30 pm | 8-28-08 2:08 PM | 48 hrs. 38 mins. | <1.8 |

## 4.0 Conclusions

The US EPA has set an action level of 4.0 pico Curies per Liter (pCi/L) for a residence.

The tests conducted at the Admiral Halsey are all well below the action level. The US EPA maintains a radon information website which includes copies of all publications, at www.epa.gov/iaq/radon

Signed & Attested To By: Bob Arneil

Bob Arneil
Vice President - New York Operations

# APPENDIX

# A

## Laboratory Results

# Eastern Analytical Services, Inc.

## Radon Air Sample Report

RE: CPN 0561-2481 - 135 Main Street - Poughkeepsie, NY

Date Collected: 08/26-28/2008
Sampled By: Lisa Liloia
Date Kit Mailed: 03/24/2008
Date Received: 09/02/2008
Date Analyzed: 09/02/2008
Analyzed By: Joseph B. LaPuebla
Signature:
Analyte: Radon.db
Analytical Method EPA 500/5-87-005
NYS Lab Number: 10851
NEHA Lab Number: 101244

Client: Environmental Health Investigations, Inc.
655 West Shore Trail
Sparta, NJ 07871

| Sample ID# / Lab ID# | Date Start/Stop | Time (EST) Start/Stop | Elapsed Time (Hours) | Sample Location | Sample Notes | Concentration |
|---|---|---|---|---|---|---|
| R-016822<br>1686569 | 08262008<br>08282008 | 1328<br>1405 | 48.6 | Main Office - Ground Floor - On File Cabinet - 5ft | Not Given | BDL <1.8 pCi/L |
| R-016821<br>1686570 | 08262008<br>08282008 | 1321<br>1400 | 48.7 | Community Room - Ground Floor - West Side of Room - 6ft | Not Given | BDL <1.8 pCi/L |
| R-017504<br>1686571 | 08262008<br>08282008 | 1330<br>1408 | 48.6 | Boiler Room - Ground Floor - 4ft Above Floor | Not Given | BDL <1.8 pCi/L |

Radon Health Risk Information

Radon is the second leading cause of lung cancer, after smoking. The US Environmental Protection Agency (EPA) and the Surgeon General strongly recommend taking further action when the home's radon test results are 4.0 pCi/L (picocuries per liter of air), or greater. Radon levels less than 4 pCi/L still pose some risk and in many cases may be reduced. If the radon level in your home is between 2.0 and 4.0 pCi/L, EPA recommends that you consider mitigation. The national average indoor radon level is about 1.3 pCi/L. The higher a home's radon level, the greater the health risk to the occupants. Smokers and former smokers are at especially high risk. There are straightforward ways to mitigate a home's radon problem that are not too costly. Even homes with very high levels can be reduced to below 4.0 pCi/L. EPA recommends that only EPA or State approved contractors be utilized to perform radon mitigation.

Exposure Times Supplied by Client for Samples Not Collected by EAS
BDL = Below Detectable Limits Estimated Uncertainty Not Greater Than Twenty-Five Percent
Liability Limited to Cost of Analysis
Results Applicable to Those Items Tested
AIHA Accreditation No. 418 Rhode Island DOH No. AAL-072T3 Massachusetts DOL No. A A 000072 Connecticut DOH No. PH-0622 Maine DEP No. LA-024 Vermont DOH No. AAS-2095

Environmental Health Investigations, Inc.

655 West Shore Trail
Sparta, New Jersey 07871

Phone/Fax: 973-729-5649
www.ehi-inc.com

October 9, 2007

Ms. Courtney Reed
Admiral Halsey LP
C/o Omni New York, LLC
885 Second Avenue
31st Floor, Suite C
New York, NY 10017

Re: Lead Paint Screening
Admiral Halsey
135 Main St.
Poughkeepsie, NY
EHI Project #: 0561-2156A

Dear Ms. Reed:

Environmental Health Investigations, Inc. (EHI) was retained by Admiral Halsey, LP to conduct an XRF lead paint screening at the Admiral Halsey located at 135 Main Street in Poughkeepsie, New York. The lead paint screening was performed on September 25 & 26, 2007 by Mr. Jean-Paul von Doehren and Ms. Lisa Liloia of EHI.

EHI personnel conducted a walk through of various apartments throughout the facility to identify painted surfaces which were to be tested. An RMD-XRF was used to measure the amount of lead in paint for the various painted surfaces inside the apartments and in the common spaces throughout the facility. The RMD-XRF is capable of analyzing multiple layers of paint for the presence of lead. Lead paint is defined as a paint containing quantities of lead greater than or equal to 1.0 $mg/cm^2$.

Based on the results of the screening, no tested paint surfaces were found to contain lead paint. However, many of the wall tiles in the bathrooms throughout the facility tested positive for lead. The wall tiles are not considered a lead painted surface but do contain levels of lead in them greater than or equal to 1.0 $mg/cm^2$. Contractors performing any renovation or demolition activities that will impact the wall tiles creating dust and debris should consult the Operations and Maintenance Plan to determine work practices and proper personal protective equipment. The results for all tested surfaces are listed in the attached report.

Please feel free to contact me if you have any questions regarding this report.

Very Truly Yours,

J. P. Von D

Jean-Paul von Doehren
Project Manager

Environmental Health Investigations, Inc.

655 West Shore Trail
Sparta, New Jersey 07871

Phone/Fax: 973-729-5649
www.ehi-inc.com

**ENVIRONMENTAL HEALTH INVESTIGATIONS, INC**
**655 WEST SHORE TRAIL**
**SPARTA, NJ 07871**

**October 9, 2007**

**Lead Paint Screening**

on behalf of

**Admiral Halsey LP**
**C/o Omni New York, LLC**
**885 Second Avenue**
**31st Floor, Suite C**
**New York, NY 10017**

**Alliant Credit Facility, Ltd ISAOA**
**Alliant Credit Facility, ALP, LLC ISAOA**
**1600 Oxnard Street, Suite 1200**
**Woodland Hills, CA 91367**

**New York State Housing Finance Agency**
**641 Lexington Avenue, 4th Floor**
**New York, NY 10022**

**Citigroup**
**Citibank Community Development**
**One Court Square**
**45 Floor, Zone 12**
**Long Island City, NY 11120**

| | | | |
|---|---|---|---|
| XRF Manufacturer: | RMD Instruments, LLC | XRF Device: Serial #: | LPA-1<br>2483 & 2562 |
| Operators: | Jean-Paul von Doehren<br>Lisa Liloia | EHI Project #: | 0561-2156A |
| Inspection Site: | **Admiral Halsey**<br>**135 Main Street**<br>**Poughkeepsie, NY** | Inspection Date: | 09/25/07 & 09/26/07 |

This report represents the conditions, locations and materials identified at the time of the inspection. The results are valid only for the time at which the inspection occurred. No past and/or future inferences should be made based on the data contained in this report. No warranty, express or limited is made. This inspection was performed utilizing generally accepted industry standards and equipment at the time it was conducted.

This report relates only to those surfaces required for testing by the client. The only tests that exceeded the EPA limit of greater than or equal to 1.0 mg/cm$^2$ were tile walls found in the bathrooms. These tests have been highlighted in gray in the attached report.

This report should be accessible to contractors who may work at this location in the future. Consistent testing combinations were used throughout the referenced property; if a component was tested in a particular area, the result is valid for other like components in that area.

This report was generated for the sole use of Environmental Health Investigation, Inc. and its client. Use by any other parties is strictly forbidden without consent, in writing, from EHI. This report should be used in its entirety.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Inspection Da | 9/25/2007 | | | Address: | 135 Main Street, Poughkeepsie, NY | | |
| Report Date: | 9/28/2007 | | | Apartment: | Common Areas | | |
| Abatement Le | 1 | | | | | | |
| Report No. | 0926-1417 | | | | | | |
| Job Start: | 1417 | | | Job Stop: | 1640 | | |

| Read No | Room | Wall/Structure | Member | Paint Cond. | Substrate | Lead mg/cm$^2$ | Mode |
|---|---|---|---|---|---|---|---|
| 1 | Calibrate | | | | | 1.1 | TC |
| 2 | Calibrate | | | | | 1 | TC |
| 3 | Calibrate | | | | | 1 | TC |
| 4 | 12 Hallway | Ceiling | | Intact | Sheetrock | 0 | QM |
| 5 | 12 Hallway | Ceiling | Access Door | Intact | Metal | 0.4 | QM |
| 6 | 12 Hallway | Wall A | | Intact | Sheetrock | 0 | QM |
| 7 | 12 Hallway | Wall B | | Intact | Sheetrock | -0.2 | QM |
| 8 | 12 Hallway | Wall C | | Intact | Sheetrock | -0.1 | QM |
| 9 | 12 Hallway | Wall D | | Intact | Sheetrock | 0 | QM |
| 10 | 12 Hallway | Elevator | Door | Intact | Metal | -0.1 | QM |
| 11 | 12 Hallway | Elevator | Casing | Intact | Metal | 0 | QM |
| 12 | 12 Hallway | Apartment | Door | Intact | Metal | 0.1 | QM |
| 13 | 12 Hallway | Apartment | Casing | Intact | Metal | 0.3 | QM |
| 14 | 12 Hallway | Stair | Door | Intact | Metal | 0.1 | QM |
| 15 | 12 Hallway | Stair | Casing | Intact | Metal | 0.1 | QM |
| 16 | 12 Refuse | Door | | Intact | Metal | 0 | QM |
| 17 | 12 Refuse | Door | Casing | Intact | Metal | 0.1 | QM |
| 18 | 12 Refuse | Wall C | | Intact | Sheetrock | -0.4 | QM |
| 19 | 12 Refuse | Drain Pipe | | Intact | Metal | 0.6 | QM |
| 20 | 12 E.Stair | Door | | Intact | Metal | -0.2 | QM |
| 21 | 12 E.Stair | Door | Casing | Intact | Metal | 0.3 | QM |
| 22 | 12 E.Stair | Ceiling | | Intact | Sheetrock | -0.2 | QM |
| 23 | 12 E.Stair | Wall A | | Intact | Sheetrock | -0.4 | QM |
| 24 | 12 E.Stair | Wall B | | Intact | Sheetrock | 0 | QM |
| 25 | 12 E.Stair | Wall C | | Intact | Sheetrock | -0.2 | QM |
| 26 | 12 E.Stair | Wall D | | Intact | Sheetrock | -0.1 | QM |
| 27 | 12 E.Stair | Floor | | Intact | Concrete | 0.1 | QM |
| 28 | 12 E.Stair | Stair | Tread | Intact | Concrete | 0.1 | QM |
| 29 | 12 E.Stair | Stair | Riser | Intact | Metal | 0.4 | QM |
| 30 | 12 E.Stair | Stair | Stringer | Intact | Metal | 0.4 | QM |
| 31 | 12 E.Stair | Stair | Hand Rail | Intact | Metal | 0 | QM |
| 32 | 12 W.Stair | Door | | Intact | Metal | -0.1 | QM |
| 33 | 12 W.Stair | Door | Casing | Intact | Metal | 0.1 | QM |
| 34 | 12 W.Stair | Ceiling | | Intact | Sheetrock | -0.2 | QM |
| 35 | 12 W.Stair | Wall A | | Intact | Sheetrock | 0.1 | QM |
| 36 | 12 W.Stair | Wall B | | Intact | Sheetrock | -0.4 | QM |
| 37 | 12 W.Stair | Wall C | | Intact | Sheetrock | -0.1 | QM |
| 38 | 12 W.Stair | Wall D | | Intact | Sheetrock | 0 | QM |
| 39 | 12 W.Stair | Floor | | Intact | Concrete | 0.1 | QM |
| 40 | 12 W.Stair | Stair | Tread | Intact | Concrete | 0 | QM |
| 41 | 12 W.Stair | Stair | Riser | Intact | Metal | 0.1 | QM |
| 42 | 12 W.Stair | Stair | Stringer | Intact | Metal | 0.5 | QM |
| 43 | 12 W.Stair | Stair | Hand Rail | Intact | Metal | 0 | QM |
| 44 | 7 Hallway | Ceiling | | Intact | Sheetrock | -0.1 | QM |
| 45 | 7 Hallway | Wall A | | Intact | Sheetrock | 0 | QM |
| 46 | 7 Hallway | Wall B | | Intact | Sheetrock | -0.1 | QM |
| 47 | 7 Hallway | Wall C | | Intact | Sheetrock | 0 | QM |
| 48 | 7 Hallway | Wall D | | Intact | Sheetrock | -0.1 | QM |
| 49 | 7 Hallway | Elevator | Door | Intact | Metal | 0.4 | QM |
| 50 | 7 Hallway | Elevator | Casing | Intact | Metal | 0 | QM |
| 51 | 7 Hallway | Apartment | Door | Intact | Metal | 0.1 | QM |
| 52 | 7 Hallway | Apartment | Casing | Intact | Metal | 0.1 | QM |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Inspection Dat | 9/25/2007 | | | Address: | 135 Main Street, Poughkeepsie, NY | | |
| Report Date: | 9/28/2007 | | | Apartment: | Common Areas | | |
| Abatement Le | 1 | | | | | | |
| Report No. | 0926-1417 | | | | | | |
| Job Start: | 1417 | | | Job Stop: | 1640 | | |

| Read No | Room | Wall/Structure | Member | Paint Cond. | Substrate | Lead mg/cm$^2$ | Mode |
|---|---|---|---|---|---|---|---|
| 53 | 7 Hallway | Stair | Door | Intact | Metal | 0 | QM |
| 54 | 7 Refuse | Stair | Casing | Intact | Metal | 0.3 | QM |
| 55 | 7 Refuse | Door | | Intact | Metal | 0 | QM |
| 56 | 7 Refuse | Door | Casing | Intact | Metal | -0.1 | QM |
| 57 | 7 Refuse | Wall C | | Intact | Sheetrock | 0 | QM |
| 58 | 7 Refuse | Drain Pipe | | Intact | Metal | 0.5 | QM |
| 59 | 7 E.Stair | Door | | Intact | Metal | 0 | QM |
| 60 | 7 E.Stair | Door | Casing | Intact | Metal | 0 | QM |
| 61 | 7 E.Stair | Ceiling | | Intact | Sheetrock | 0 | QM |
| 62 | 7 E.Stair | Wall A | | Intact | Sheetrock | -0.1 | QM |
| 63 | 7 E.Stair | Wall B | | Intact | Sheetrock | 0 | QM |
| 64 | 7 E.Stair | Wall C | | Intact | Sheetrock | 0 | QM |
| 65 | 7 E.Stair | Wall D | | Intact | Sheetrock | -0.4 | QM |
| 66 | 7 E.Stair | Floor | | Intact | Concrete | -0.1 | QM |
| 67 | 7 E.Stair | Stair | Tread | Intact | Concrete | 0.1 | QM |
| 68 | 7 E.Stair | Stair | Riser | Intact | Metal | 0.2 | QM |
| 69 | 7 E.Stair | Stair | Stringer | Intact | Metal | 0.4 | QM |
| 70 | 7 E.Stair | Stair | Hand Rail | Intact | Metal | 0.1 | QM |
| 71 | 7 W.Stair | Door | | Intact | Metal | 0 | QM |
| 72 | 7 W.Stair | Door | Casing | Intact | Metal | 0.1 | QM |
| 73 | 7 W.Stair | Ceiling | | Intact | Sheetrock | 0 | QM |
| 74 | 7 W.Stair | Wall A | | Intact | Sheetrock | 0.2 | QM |
| 75 | 7 W.Stair | Wall B | | Intact | Sheetrock | -0.7 | QM |
| 76 | 7 W.Stair | Wall C | | Intact | Sheetrock | 0.1 | QM |
| 77 | 7 W.Stair | Wall D | | Intact | Sheetrock | 0 | QM |
| 78 | 7 W.Stair | Floor | | Intact | Concrete | 0 | QM |
| 79 | 7 W.Stair | Stair | Tread | Intact | Concrete | 0.1 | QM |
| 80 | 7 W.Stair | Stair | Riser | Intact | Metal | 0.1 | QM |
| 81 | 7 W.Stair | Stair | Stringer | Intact | Metal | 0.3 | QM |
| 82 | 7 W.Stair | Stair | Hand Rail | Intact | Metal | 0.1 | QM |
| 83 | 7 W.Stair | Stair | Pipe | Intact | Metal | 0.1 | QM |
| 84 | 3 Hallway | Ceiling | | Intact | Sheetrock | 0 | QM |
| 85 | 3 Hallway | Wall A | | Intact | Sheetrock | 0.1 | QM |
| 86 | 3 Hallway | Wall B | | Intact | Sheetrock | -0.1 | QM |
| 87 | 3 Hallway | Wall C | | Intact | Sheetrock | -0.3 | QM |
| 88 | 3 Hallway | Wall D | | Intact | Sheetrock | -0.1 | QM |
| 89 | 3 Hallway | Elevator | Door | Intact | Metal | 0.5 | QM |
| 90 | 3 Hallway | Elevator | Casing | Intact | Metal | 0.1 | QM |
| 91 | 3 Hallway | Apartment | Door | Intact | Metal | 0 | QM |
| 92 | 3 Hallway | Apartment | Casing | Intact | Metal | 0.2 | QM |
| 93 | 3 Hallway | Stair | Door | Intact | Metal | 0.3 | QM |
| 94 | 3 Refuse | Stair | Casing | Intact | Metal | 0.4 | QM |
| 95 | 3 Refuse | Door | | Intact | Metal | 0.1 | QM |
| 96 | 3 Refuse | Door | Casing | Intact | Metal | 0 | QM |
| 97 | 3 Refuse | Wall C | | Intact | Sheetrock | -0.1 | QM |
| 98 | 3 Refuse | Drain Pipe | | Intact | Metal | 0.5 | QM |
| 99 | 3 E.Stair | Door | | Intact | Metal | 0.2 | QM |
| 100 | 3 E.Stair | Door | Casing | Intact | Metal | 0.2 | QM |
| 101 | 3 E.Stair | Ceiling | | Intact | Sheetrock | 0 | QM |
| 102 | 3 E.Stair | Wall A | | Intact | Sheetrock | 0 | QM |
| 103 | 3 E.Stair | Wall B | | Intact | Sheetrock | -0.1 | QM |
| 104 | 3 E.Stair | Wall C | | Intact | Sheetrock | -0.1 | QM |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Inspection Dat | 9/25/2007 | | | Address: | 135 Main Street, Poughkeepsie, NY | | |
| Report Date: | 9/28/2007 | | | Apartment: | Common Areas | | |
| Abatement Le | 1 | | | | | | |
| Report No. | 0926-1417 | | | | | | |
| Job Start: | 1417 | | | Job Stop: | 1640 | | |

| Read No | Room | Wall/Structure | Member | Paint Cond. | Substrate | Lead mg/cm$^2$ | Mode |
|---|---|---|---|---|---|---|---|
| 105 | 3 E.Stair | Wall D | | Intact | Sheetrock | -0.3 | QM |
| 106 | 3 E.Stair | Floor | | Intact | Concrete | 0.2 | QM |
| 107 | 3 E.Stair | Stair | Tread | Intact | Concrete | 0.1 | QM |
| 108 | 3 E.Stair | Stair | Riser | Intact | Metal | 0.2 | QM |
| 109 | 3 E.Stair | Stair | Stringer | Intact | Metal | 0.4 | QM |
| 110 | 3 E.Stair | Stair | Hand Rail | Intact | Metal | 0.2 | QM |
| 111 | 3 W.Stair | Door | | Intact | Metal | 0 | QM |
| 112 | 3 W.Stair | Door | Casing | Intact | Metal | 0.2 | QM |
| 113 | 3 W.Stair | Ceiling | | Intact | Sheetrock | 0.2 | QM |
| 114 | 3 W.Stair | Wall A | | Intact | Sheetrock | -0.3 | QM |
| 115 | 3 W.Stair | Wall B | | Intact | Sheetrock | -0.2 | QM |
| 116 | 3 W.Stair | Wall C | | Intact | Sheetrock | 0.1 | QM |
| 117 | 3 W.Stair | Wall D | | Intact | Sheetrock | 0 | QM |
| 118 | 3 W.Stair | Floor | | Intact | Concrete | 0.2 | QM |
| 119 | 3 W.Stair | Stair | Tread | Intact | Concrete | 0 | QM |
| 120 | 3 W.Stair | Stair | Riser | Intact | Metal | 0.3 | QM |
| 121 | 3 W.Stair | Stair | Stringer | Intact | Metal | 0.5 | QM |
| 122 | 3 W.Stair | Stair | Hand Rail | Intact | Metal | 0.1 | QM |
| 123 | 3 W.Stair | Stair | Pipe | Intact | Metal | 0.4 | QM |
| 124 | Comm. Rm | Door | | Intact | Metal | 0.2 | QM |
| 125 | Comm. Rm | Door | Casing | Intact | Metal | 0.4 | QM |
| 126 | Comm. Rm | Ceiling | | Intact | Sheetrock | -0.1 | QM |
| 127 | Comm. Rm | Wall A | | Intact | Sheetrock | 0 | QM |
| 128 | Comm. Rm | Wall B | | Intact | Sheetrock | 0 | QM |
| 129 | Comm. Rm | Wall C | | Intact | Sheetrock | 0 | QM |
| 130 | Comm. Rm | Wall D | | Intact | Sheetrock | -0.3 | QM |
| 131 | Comm. Rm | Window | Sill | Intact | Wood | -0.2 | QM |
| 132 | Comm. Rm | Window | Casing | Intact | Metal | -0.1 | QM |
| 133 | Comm. Rm | Radiator | | Intact | Metal | 0.3 | QM |
| 134 | Comm. Rm | Ext. Door | | Intact | Metal | 0.4 | QM |
| 135 | Comm. Rm | Ext. Door | Casing | Intact | Metal | 0 | QM |
| 136 | Comm. Rm | Closet Door | | Intact | Wood | -0.4 | QM |
| 137 | Comm. Rm | Closet | Wall C | Intact | Sheetrock | -0.2 | QM |
| 138 | Comm. Rm | Closet | Shelf | Intact | Wood | -0.4 | QM |
| 139 | Comm. Rm | Closet Door | Casing | Intact | Wood | 0 | QM |
| 140 | Comm. Rm | Closet Door | Molding | Intact | Wood | 0 | QM |
| 141 | Kitchen | Door | | Intact | Metal | -0.2 | QM |
| 142 | Kitchen | Door | Casing | Intact | Metal | 0.4 | QM |
| 143 | Kitchen | Wall A | | Intact | Sheetrock | -0.1 | QM |
| 144 | Kitchen | Wall B | | Intact | Sheetrock | 0.1 | QM |
| 145 | Kitchen | Wall C | | Intact | Sheetrock | 0.2 | QM |
| 146 | Kitchen | Wall D | | Intact | Sheetrock | -0.2 | QM |
| 147 | Ladies Rm | Door | | Intact | Metal | 0 | QM |
| 148 | Ladies Rm | Door | Casing | Intact | Metal | 0.3 | QM |
| 149 | Ladies Rm | Wall A | | Intact | Sheetrock | -0.2 | QM |
| 150 | Ladies Rm | Wall B | | Intact | Sheetrock | -0.4 | QM |
| 151 | Ladies Rm | Wall C | | Intact | Tile | -0.2 | QM |
| 152 | Ladies Rm | Wall D | | Intact | Sheetrock | 0 | QM |
| 153 | Ladies Rm | Floor | | Intact | Tile | 0 | QM |
| 154 | Ladies Rm | Stall | Door | Intact | Metal | 0.1 | QM |
| 155 | Ladies Rm | Stall | Side Panel | Intact | Metal | 0 | QM |
| 156 | Mens Rm | Door | | Intact | Metal | 0 | QM |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Inspection Da | 9/25/2007 | | | Address: | 135 Main Street, Poughkeepsie, NY | | |
| Report Date: | 9/28/2007 | | | Apartment: | Common Areas | | |
| Abatement Le | 1 | | | | | | |
| Report No. | 0926-1417 | | | | | | |
| Job Start: | 1417 | | | Job Stop: | 1640 | | |

| Read No | Room | Wall/Structure | Member | Paint Cond. | Substrate | Lead mg/cm$^2$ | Mode |
|---|---|---|---|---|---|---|---|
| 157 | Mens Rm | Door | Casing | Intact | Metal | 0.3 | QM |
| 158 | Mens Rm | Wall A | | Intact | Sheetrock | 0.2 | QM |
| 159 | Mens Rm | Wall B | | Intact | Sheetrock | -0.2 | QM |
| 160 | Mens Rm | Wall C | | Intact | Tile | 3.6 | QM |
| 161 | Mens Rm | Wall D | | Intact | Sheetrock | 0.3 | QM |
| 162 | Mens Rm | Floor | | Intact | Tile | -0.1 | QM |
| 163 | Mens Rm | Stall | Door | Intact | Metal | 0.2 | QM |
| 164 | Mens Rm | Stall | Side Panel | Intact | Metal | -0.1 | QM |
| 165 | Mens Rm | Radiator | | Intact | Metal | -0.1 | QM |
| 166 | Laundry Rm | Door | | Intact | Metal | 0.2 | QM |
| 167 | Laundry Rm | Door | Casing | Intact | Metal | 0.3 | QM |
| 168 | Laundry Rm | Wall A | | Intact | Block | -0.2 | QM |
| 169 | Laundry Rm | Wall B | | Intact | Block | 0 | QM |
| 170 | Laundry Rm | Wall C | | Intact | Block | -0.1 | QM |
| 171 | Laundry Rm | Wall D | | Intact | Block | 0.2 | QM |
| 172 | Laundry Rm | Floor | | Intact | Concrete | 0.1 | QM |
| 173 | Refuse Rm | Door | Casing | Intact | Metal | 0 | QM |
| 174 | Refuse Rm | Wall A | | Intact | Sheetrock | 0.2 | QM |
| 175 | Refuse Rm | Wall B | | Intact | Sheetrock | -0.1 | QM |
| 176 | Refuse Rm | Wall C | | Intact | Tile | 2.4 | QM |
| 177 | Refuse Rm | Wall D | | Intact | Sheetrock | 0 | QM |
| 178 | Refuse Rm | Floor | | Intact | Tile | 0.2 | QM |
| 179 | Lobby | Door | | Intact | Metal | -0.6 | QM |
| 180 | Lobby | Door | Casing | Intact | Metal | -0.6 | QM |
| 181 | Lobby | Ceiling | | Intact | Ceiling Tile | 0.1 | QM |
| 182 | Lobby | Wall A | | Intact | Sheetrock | 0 | QM |
| 183 | Lobby | Wall B | | Intact | Sheetrock | 0.1 | QM |
| 184 | Lobby | Wall C | | Intact | Sheetrock | -0.1 | QM |
| 185 | Lobby | Wall D | | Intact | Sheetrock | 0 | QM |
| 186 | Lobby | Wall B | | Intact | Block | 0 | QM |
| 187 | Lobby | Wall C | | Intact | Block | 0.4 | QM |
| 188 | Lobby | Wall D | | Intact | Block | 0.1 | QM |
| 189 | Lobby | Office Door | | Intact | Metal | 0.4 | QM |
| 190 | Lobby | Office Door | Casing | Intact | Metal | 0.4 | QM |
| 191 | Lobby | Mail Rm Door | | Intact | Metal | 0.1 | QM |
| 192 | Lobby | Mail Rm Door | Casing | Intact | Metal | 0.6 | QM |
| 193 | Lobby | Elevator Door | | Intact | Metal | 0 | QM |
| 194 | Lobby | Elevator Door | Casing | Intact | Metal | 0.4 | QM |
| 195 | Lobby | Boiler Rm Door | | Intact | Metal | -0.3 | QM |
| 196 | Lobby | Boiler Rm Door | Casing | Intact | Metal | 0.3 | QM |
| 197 | Lobby | Back Door | | Intact | Metal | 0 | QM |
| 198 | Lobby | Back Door | Casing | Intact | Metal | 0.3 | QM |
| 199 | Lobby | Radiator | | Intact | Metal | 0.1 | QM |
| 200 | Calibrate | | | | | 0.9 | TC |
| 201 | Calibrate | | | | | 1 | TC |
| 202 | Calibrate | | | | | 1 | TC |

| Inspection Dat | 9/26/2007 | | | Address: | 135 Main Street, Poughkeepsie, NY | | |
|---|---|---|---|---|---|---|---|
| Report Date: | 10/3/2007 | | | Apartment: | 101 | | |
| Abatement Lev | 1 | | | | | | |
| Report No. | 25 | | | | | | |
| Job Start: | 1242 | | | Job Stop: | 1319 | | |
| | | | | | | | |
| Read No | Room | Wall/Structure | Member | Paint Cond. | Substrate | Lead mg/cm$^2$ | Mode |
| 1 | Calibrate | | | | | 1.1 | TC |
| 2 | Calibrate | | | | | 0.9 | TC |
| 3 | Calibrate | | | | | 0.9 | TC |
| 4 | Living Room | Ceiling | | Intact | Sheetrock | -0.4 | QM |
| 5 | Living Room | Wall A | | Intact | Sheetrock | -0.4 | QM |
| 6 | Living Room | Wall B | | Intact | Sheetrock | -0.4 | QM |
| 7 | Living Room | Wall C | | Intact | Sheetrock | -0.3 | QM |
| 8 | Living Room | Wall D | | Intact | Sheetrock | -0.5 | QM |
| 9 | Living Room | Closet | Door | Intact | Metal | -0.4 | QM |
| 10 | Living Room | Closet | Wall | Intact | Sheetrock | -0.1 | QM |
| 11 | Living Room | Entry Door | | Intact | Metal | -0.6 | QM |
| 12 | Living Room | Entry Door | Casing | Intact | Metal | -0.4 | QM |
| 13 | Living Room | Window | Sash | Intact | Metal | -0.9 | QM |
| 14 | Living Room | AC Box | | Intact | Metal | -0.9 | QM |
| 15 | Living Room | Radiator | | Intact | Metal | -0.3 | QM |
| 16 | Kitchen | Ceiling | | Intact | Sheetrock | -0.6 | QM |
| 17 | Kitchen | Wall A | | Intact | Sheetrock | -0.4 | QM |
| 18 | Kitchen | Wall B | | Intact | Sheetrock | -0.3 | QM |
| 19 | Kitchen | Wall C | | Intact | Sheetrock | -0.2 | QM |
| 20 | Kitchen | Wall D | | Intact | Sheetrock | -0.2 | QM |
| 21 | Kitchen | Vent Covering | | Intact | Metal | -0.6 | QM |
| 22 | Bedroom | Ceiling | | Intact | Sheetrock | -0.4 | QM |
| 23 | Bedroom | Wall A | | Intact | Sheetrock | -0.4 | QM |
| 24 | Bedroom | Wall B | | Intact | Sheetrock | -0.1 | QM |
| 25 | Bedroom | Wall C | | Intact | Sheetrock | -0.2 | QM |
| 26 | Bedroom | Wall D | | Intact | Sheetrock | -0.5 | QM |
| 27 | Bedroom | Closet | Door | Intact | Metal | -0.7 | QM |
| 28 | Bedroom | Door | | Intact | Wood | -0.4 | QM |
| 29 | Bedroom | Door | Casing | Intact | Metal | -0.5 | QM |
| 30 | Bedroom | AC Box | | Intact | Metal | -0.7 | QM |
| 31 | Bedroom | Radiator | | Intact | Metal | -0.5 | QM |
| 32 | Bedroom | Window | Sash | Intact | Metal | -0.7 | QM |
| 33 | Bathroom | Ceiling | | Intact | Sheetrock | -0.2 | QM |
| 34 | Bathroom | Wall A | | Intact | Sheetrock | -0.5 | QM |
| 35 | Bathroom | Wall B | | Intact | Sheetrock | -0.2 | QM |
| 36 | Bathroom | Wall C | | Intact | Sheetrock | -0.4 | QM |
| 37 | Bathroom | Wall D | | Intact | Sheetrock | -0.1 | QM |
| 38 | Bathroom | Wall C | | Intact | Tile | -0.9 | QM |
| 39 | Bathroom | Floor | | Intact | Tile | -0.8 | QM |
| 40 | Bathroom | Vent Covering | | Intact | Metal | -0.3 | QM |
| 41 | Bathroom | Door | | Intact | Wood | -0.7 | QM |
| 42 | Bathroom | Door | Casing | Intact | Metal | -0.5 | QM |
| 43 | Living Room | Circuit Breaker | Box | Intact | Metal | -0.4 | QM |
| 44 | Calibrate | | | | | 0.9 | TC |
| 45 | Calibrate | | | | | 0.9 | TC |
| 46 | Calibrate | | | | | 1 | TC |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Inspection Da | 9/26/2007 | | | Address: | 135 Main Street, Poughkeepsie, NY | | |
| Report Date: | 9/28/2007 | | | Apartment: | 102 | | |
| Abatement Le | 1 | | | | | | |
| Report No. | 0926-1304 | | | | | | |
| Job Start: | 1304 | | | Job Stop: | 1328 | | |

| Read No | Room | Wall/Structure | Member | Paint Cond. | Substrate | Lead mg/cm$^2$ | Mode |
|---|---|---|---|---|---|---|---|
| 1 | Calibrate | | | | | 1.1 | TC |
| 2 | Calibrate | | | | | 1 | TC |
| 3 | Calibrate | | | | | 0.9 | TC |
| 4 | Living Room | Ceiling | | Intact | Sheetrock | 0.1 | QM |
| 5 | Living Room | Wall A | | Intact | Sheetrock | -0.1 | QM |
| 6 | Living Room | Wall B | | Intact | Sheetrock | 0 | QM |
| 7 | Living Room | Wall C | | Intact | Sheetrock | 0 | QM |
| 8 | Living Room | Wall D | | Intact | Sheetrock | 0 | QM |
| 9 | Living Room | Closet | Door | Intact | Metal | 0 | QM |
| 10 | Living Room | Closet | Wall | Intact | Sheetrock | 0 | QM |
| 11 | Living Room | Entry Door | | Intact | Metal | -0.2 | QM |
| 12 | Living Room | Entry Door | Casing | Intact | Metal | 0.2 | QM |
| 13 | Living Room | Window | Sash | Intact | Metal | -0.3 | QM |
| 14 | Living Room | AC Box | | Intact | Metal | -0.2 | QM |
| 15 | Living Room | Radiator | | Intact | Metal | 0 | QM |
| 16 | Kitchen | Ceiling | | Intact | Sheetrock | -0.1 | QM |
| 17 | Kitchen | Wall A | | Intact | Sheetrock | -0.1 | QM |
| 18 | Kitchen | Wall B | | Intact | Sheetrock | -0.1 | QM |
| 19 | Kitchen | Wall C | | Intact | Sheetrock | -0.1 | QM |
| 20 | Kitchen | Wall D | | Intact | Sheetrock | 0 | QM |
| 21 | Kitchen | Vent Cover | | Intact | Metal | 0.1 | QM |
| 22 | Bedroom | Ceiling | | Intact | Sheetrock | -0.1 | QM |
| 23 | Bedroom | Wall A | | Intact | Sheetrock | -0.2 | QM |
| 24 | Bedroom | Wall B | | Intact | Sheetrock | 0.1 | QM |
| 25 | Bedroom | Wall C | | Intact | Sheetrock | -0.4 | QM |
| 26 | Bedroom | Wall D | | Intact | Sheetrock | 0 | QM |
| 27 | Bedroom | Closet | Door | Intact | Metal | 0 | QM |
| 28 | Bedroom | Door | | Intact | Wood | -0.1 | QM |
| 29 | Bedroom | Door | Casing | Intact | Metal | 0 | QM |
| 30 | Bedroom | AC Box | | Intact | Metal | 0.3 | QM |
| 31 | Bedroom | Radiator | | Intact | Metal | 0.1 | QM |
| 32 | Bedroom | Window | Sash | Intact | Metal | 0 | QM |
| 33 | Bathroom | Ceiling | | Intact | Sheetrock | -0.1 | QM |
| 34 | Bathroom | Wall A | | Intact | Sheetrock | -0.1 | QM |
| 35 | Bathroom | Wall B | | Intact | Sheetrock | -0.2 | QM |
| 36 | Bathroom | Wall C | | Intact | Sheetrock | 0 | QM |
| 37 | Bathroom | Wall D | | Intact | Sheetrock | -0.1 | QM |
| 38 | Bathroom | Wall C | | Intact | Tile | -0.2 | QM |
| 39 | Bathroom | Floor | | Intact | Tile | 0 | QM |
| 40 | Bathroom | Vent Cover | | Intact | Metal | -0.1 | QM |
| 41 | Bathroom | Door | | Intact | Wood | -0.3 | QM |
| 42 | Bathroom | Door | Casing | Intact | Metal | 0.2 | QM |
| 43 | Bathroom | Medicine Cab. | | Intact | Metal | 0.1 | QM |
| 44 | Bathroom | Radiator | | Intact | Metal | 0 | QM |
| 45 | Living Room | Electric Box | | Intact | Metal | 0.1 | QM |
| 46 | Calibrate | | | | | 0.9 | TC |
| 47 | Calibrate | | | | | 0.9 | TC |
| 48 | Calibrate | | | | | 1 | TC |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Inspection Dat | 9/26/2007 | | | Address: | 135 Main Street, Poughkeepsie, NY | | |
| Report Date: | 9/28/2007 | | | Apartment: | 105 / Common Area | | |
| Abatement Lev | 1 | | | | | | |
| Report No. | 0926-1230 | | | | | | |
| Job Start: | 1230 | | | Job Stop: | 1304 | | |

| Read No | Room | Wall/Structure | Member | Paint Cond. | Substrate | Lead mg/cm$^2$ | Mode |
|---|---|---|---|---|---|---|---|
| 1 | Calibrate | | | | | 1 | TC |
| 2 | Calibrate | | | | | 1 | TC |
| 3 | Calibrate | | | | | 1 | TC |
| 4 | Living Room | Ceiling | | Intact | Sheetrock | 0.1 | QM |
| 5 | Living Room | Wall A | | Intact | Sheetrock | -0.1 | QM |
| 6 | Living Room | Wall B | | Intact | Sheetrock | -0.1 | QM |
| 7 | Living Room | Wall C | | Intact | Sheetrock | 0 | QM |
| 8 | Living Room | Wall D | | Intact | Sheetrock | 0.1 | QM |
| 9 | Living Room | Closet | Door | Intact | Metal | 0 | QM |
| 10 | Living Room | Closet | Wall | Intact | Sheetrock | -0.3 | QM |
| 11 | Living Room | Entry Door | | Intact | Metal | -0.5 | QM |
| 12 | Living Room | Entry Door | Casing | Intact | Metal | -0.2 | QM |
| 13 | Living Room | Window | Sash | Intact | Metal | -0.5 | QM |
| 14 | Living Room | AC Box | | Intact | Metal | -0.4 | QM |
| 15 | Living Room | Radiator | | Intact | Metal | -0.2 | QM |
| 16 | Kitchen | Ceiling | | Intact | Sheetrock | 0.1 | QM |
| 17 | Kitchen | Wall A | | Intact | Sheetrock | -0.5 | QM |
| 18 | Kitchen | Wall B | | Intact | Sheetrock | -0.1 | QM |
| 19 | Kitchen | Wall C | | Intact | Sheetrock | -0.1 | QM |
| 20 | Kitchen | Wall D | | Intact | Sheetrock | 0 | QM |
| 21 | Kitchen | Vent Cover | | Intact | Metal | 0.3 | QM |
| 22 | Bedroom | Ceiling | | Intact | Sheetrock | -0.3 | QM |
| 23 | Bedroom | Wall A | | Intact | Sheetrock | -0.2 | QM |
| 24 | Bedroom | Wall B | | Intact | Sheetrock | -0.3 | QM |
| 25 | Bedroom | Wall C | | Intact | Sheetrock | -0.4 | QM |
| 26 | Bedroom | Wall D | | Intact | Sheetrock | 0 | QM |
| 27 | Bedroom | Door | | Intact | Wood | -0.2 | QM |
| 28 | Bedroom | Door | Casing | Intact | Metal | 0.1 | QM |
| 29 | Bedroom | AC Box | | Intact | Metal | -0.3 | QM |
| 30 | Bedroom | Radiator | | Intact | Metal | -0.1 | QM |
| 31 | Bedroom | Window | Sash | Intact | Metal | -0.2 | QM |
| 32 | Bathroom | Ceiling | | Intact | Sheetrock | 0 | QM |
| 33 | Bathroom | Wall A | | Intact | Sheetrock | 0.1 | QM |
| 34 | Bathroom | Wall B | | Intact | Sheetrock | 0 | QM |
| 35 | Bathroom | Wall C | | Intact | Sheetrock | -0.1 | QM |
| 36 | Bathroom | Wall D | | Intact | Sheetrock | -0.1 | QM |
| 37 | Bathroom | Wall C | | Intact | Tile | -0.3 | QM |
| 38 | Bathroom | Floor | | Intact | Tile | -0.1 | QM |
| 39 | Bathroom | Door | | Intact | Wood | -0.2 | QM |
| 40 | Bathroom | Door | Casing | Intact | Metal | -0.1 | QM |
| 41 | Bathroom | Medicine Cab. | | Intact | Metal | 0 | QM |
| 42 | Living Room | Electric Box | | Intact | Metal | -0.1 | QM |
| 43 | Bedroom 2 | Ceiling | | Intact | Sheetrock | -0.1 | QM |
| 44 | Bedroom 2 | Wall A | | Intact | Sheetrock | -0.2 | QM |
| 45 | Bedroom 2 | Wall B | | Intact | Sheetrock | -0.1 | QM |
| 46 | Bedroom 2 | Wall C | | Intact | Sheetrock | -0.1 | QM |
| 47 | Bedroom 2 | Wall D | | Intact | Sheetrock | -0.4 | QM |
| 48 | Bedroom 2 | Closet | Door | Intact | Metal | -0.2 | QM |
| 49 | Bedroom 2 | Door | | Intact | Wood | -0.2 | QM |
| 50 | Bedroom 2 | Door | Casing | Intact | Metal | -0.1 | QM |
| 51 | Bedroom 2 | Radiator | | Intact | Metal | 0.3 | QM |
| 52 | Bedroom 2 | Window | Sash | Intact | Metal | -0.3 | QM |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Inspection Dat | 9/26/2007 | | | Address: | 135 Main Street, Poughkeepsie, NY | | |
| Report Date: | 9/28/2007 | | | Apartment: | 105 / Common Area | | |
| Abatement Lev | 1 | | | | | | |
| Report No. | 0926-1230 | | | | | | |
| Job Start: | 1230 | | | Job Stop: | 1304 | | |
| | | | | | | | |
| Read No | Room | Wall/Structure | Member | Paint Cond. | Substrate | Lead mg/cm$^2$ | Mode |
| 53 | Bedroom 2 | AC Box | | Intact | Metal | -0.2 | QM |
| 54 | Calibrate | | | | | 1 | TC |
| 55 | Calibrate | | | | | 1.1 | TC |
| 56 | Calibrate | | | | | 1.1 | TC |

| Inspection Dat | 9/26/2007 | | | Address: | 135 Main Street, Poughkeepsie, NY | | |
|---|---|---|---|---|---|---|---|
| Report Date: | 10/3/2007 | | | Apartment: | 201 | | |
| Abatement Lev | 1 | | | | | | |
| Report No. | 23 | | | | | | |
| Job Start: | 1140 | | | Job Stop: | 1212 | | |
| | | | | | | | |
| Read No | Room | Wall/Structure | Member | Paint Cond. | Substrate | Lead mg/cm$^2$ | Mode |
| 1 | Calibrate | | | | | 0.9 | TC |
| 2 | Calibrate | | | | | 0.8 | TC |
| 3 | Calibrate | | | | | 0.8 | TC |
| 4 | Living Room | Ceiling | | Intact | Sheetrock | -0.4 | QM |
| 5 | Living Room | Wall A | | Intact | Sheetrock | -0.5 | QM |
| 6 | Living Room | Wall B | | Intact | Sheetrock | -0.3 | QM |
| 7 | Living Room | Wall C | | Intact | Sheetrock | -0.3 | QM |
| 8 | Living Room | Wall D | | Intact | Sheetrock | -0.3 | QM |
| 9 | Living Room | Closet | Door | Intact | Metal | -0.5 | QM |
| 10 | Living Room | Closet | Wall | Intact | Sheetrock | 0 | QM |
| 11 | Living Room | Entry Door | | Intact | Metal | -0.5 | QM |
| 12 | Living Room | Entry Door | Casing | Intact | Metal | -0.2 | QM |
| 13 | Living Room | Window | Sash | Intact | Metal | -0.4 | QM |
| 14 | Living Room | AC Box | | Intact | Metal | -0.7 | QM |
| 15 | Living Room | Radiator | | Intact | Metal | -0.2 | QM |
| 16 | Kitchen | Ceiling | | Intact | Sheetrock | -0.3 | QM |
| 17 | Kitchen | Wall A | | Intact | Sheetrock | -0.5 | QM |
| 18 | Kitchen | Wall B | | Intact | Sheetrock | -0.2 | QM |
| 19 | Kitchen | Wall C | | Intact | Sheetrock | -0.1 | QM |
| 20 | Kitchen | Wall D | | Intact | Sheetrock | -0.3 | QM |
| 21 | Kitchen | Vent Covering | | Intact | Metal | -0.3 | QM |
| 22 | Bedroom | Ceiling | | Intact | Sheetrock | -0.3 | QM |
| 23 | Bedroom | Wall A | | Intact | Sheetrock | -0.2 | QM |
| 24 | Bedroom | Wall B | | Intact | Sheetrock | -0.4 | QM |
| 25 | Bedroom | Wall C | | Intact | Sheetrock | -0.4 | QM |
| 26 | Bedroom | Wall D | | Intact | Sheetrock | -0.2 | QM |
| 27 | Bedroom | Closet | Door | Intact | Metal | -0.2 | QM |
| 28 | Bedroom | Door | | Intact | Wood | -0.6 | QM |
| 29 | Bedroom | Door | Casing | Intact | Metal | -0.6 | QM |
| 30 | Bedroom | AC Box | | Intact | Metal | -0.4 | QM |
| 31 | Bedroom | Radiator | | Intact | Metal | -0.3 | QM |
| 32 | Bedroom | Window | Sash | Intact | Metal | -0.3 | QM |
| 33 | Bathroom | Ceiling | | Intact | Sheetrock | -0.4 | QM |
| 34 | Bathroom | Wall A | | Intact | Sheetrock | -0.4 | QM |
| 35 | Bathroom | Wall B | | Intact | Sheetrock | -0.3 | QM |
| 36 | Bathroom | Wall C | | Intact | Sheetrock | -0.2 | QM |
| 37 | Bathroom | Wall D | | Intact | Sheetrock | -0.3 | QM |
| 38 | Bathroom | Wall C | | Intact | Tile | -0.6 | QM |
| 39 | Bathroom | Floor | | Intact | Tile | -0.5 | QM |
| 40 | Bathroom | Vent Covering | | Intact | Metal | -0.5 | QM |
| 41 | Bathroom | Door | | Intact | Wood | -0.3 | QM |
| 42 | Bathroom | Door | Casing | Intact | Metal | -0.5 | QM |
| 43 | Living Room | Circuit Breaker | Box | Intact | Metal | -0.3 | QM |
| 44 | Calibrate | | | | | 1.1 | TC |
| 45 | Calibrate | | | | | 1 | TC |
| 46 | Calibrate | | | | | 1.1 | TC |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Inspection Dat | 9/26/2007 | | | Address: | 135 Main Street, Poughkeepsie, NY | | |
| Report Date: | 9/28/2007 | | | Apartment: | 206 | | |
| Abatement Lev | 1 | | | | | | |
| Report No. | 0926-1204 | | | | | | |
| Job Start: | 1204 | | | Job Stop: | 1230 | | |

| Read No | Room | Wall/Structure | Member | Paint Cond. | Substrate | Lead mg/cm$^2$ | Mode |
|---|---|---|---|---|---|---|---|
| 1 | Calibrate | | | | | 0.7 | TC |
| 2 | Calibrate | | | | | 1.1 | TC |
| 3 | Calibrate | | | | | 1 | TC |
| 4 | Living Room | Ceiling | | Intact | Sheetrock | 0.1 | QM |
| 5 | Living Room | Wall A | | Intact | Sheetrock | 0 | QM |
| 6 | Living Room | Wall B | | Intact | Sheetrock | 0.1 | QM |
| 7 | Living Room | Wall C | | Intact | Sheetrock | 0.1 | QM |
| 8 | Living Room | Wall D | | Intact | Sheetrock | 0 | QM |
| 9 | Living Room | Closet | Door | Intact | Metal | -0.2 | QM |
| 10 | Living Room | Closet | Wall | Intact | Sheetrock | -0.1 | QM |
| 11 | Living Room | Entry Door | | Intact | Metal | -0.1 | QM |
| 12 | Living Room | Entry Door | Casing | Intact | Metal | 0.1 | QM |
| 13 | Living Room | Window | Sash | Intact | Metal | -0.1 | QM |
| 14 | Living Room | AC Box | | Intact | Metal | -0.6 | QM |
| 15 | Living Room | Radiator | | Intact | Metal | 0.3 | QM |
| 16 | Kitchen | Ceiling | | Intact | Sheetrock | 0 | QM |
| 17 | Kitchen | Wall A | | Intact | Sheetrock | -0.4 | QM |
| 18 | Kitchen | Wall B | | Intact | Sheetrock | 0.1 | QM |
| 19 | Kitchen | Wall C | | Intact | Sheetrock | -0.3 | QM |
| 20 | Kitchen | Wall D | | Intact | Sheetrock | 0.1 | QM |
| 21 | Kitchen | Vent Cover | | Intact | Metal | 0.4 | QM |
| 22 | Bedroom | Ceiling | | Intact | Sheetrock | -0.3 | QM |
| 23 | Bedroom | Wall A | | Intact | Sheetrock | 0 | QM |
| 24 | Bedroom | Wall B | | Intact | Sheetrock | 0 | QM |
| 25 | Bedroom | Wall C | | Intact | Sheetrock | 0.1 | QM |
| 26 | Bedroom | Wall D | | Intact | Sheetrock | 0 | QM |
| 27 | Bedroom | Closet | Door | Intact | Metal | -0.1 | QM |
| 28 | Bedroom | Door | | Intact | Wood | -0.3 | QM |
| 29 | Bedroom | Door | Casing | Intact | Metal | 0.1 | QM |
| 30 | Bedroom | AC Box | | Intact | Metal | 0 | QM |
| 31 | Bedroom | Radiator | | Intact | Metal | 0.2 | QM |
| 32 | Bedroom | Window | Sash | Intact | Metal | -0.3 | QM |
| 33 | Bathroom | Ceiling | | Intact | Sheetrock | -0.2 | QM |
| 34 | Bathroom | Wall A | | Intact | Sheetrock | -0.1 | QM |
| 35 | Bathroom | Wall B | | Intact | Sheetrock | -0.3 | QM |
| 36 | Bathroom | Wall C | | Intact | Sheetrock | 0 | QM |
| 37 | Bathroom | Wall D | | Intact | Sheetrock | 0 | QM |
| 38 | Bathroom | Wall C | | Intact | Tile | -0.4 | QM |
| 39 | Bathroom | Floor | | Intact | Tile | -0.4 | QM |
| 40 | Bathroom | Vent Cover | | Intact | Metal | 0.4 | QM |
| 41 | Bathroom | Door | | Intact | Wood | 0 | QM |
| 42 | Bathroom | Door | Casing | Intact | Metal | -0.2 | QM |
| 43 | Bathroom | Medicine Cab. | | Intact | Metal | -0.2 | QM |
| 44 | Living Room | Electric Box | | Intact | Metal | -0.2 | QM |
| 45 | Calibrate | | | | | 0.9 | TC |
| 46 | Calibrate | | | | | 1 | TC |
| 47 | Calibrate | | | | | 0.9 | TC |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Inspection Da | 9/26/2007 | | | Address: | 135 Main Street, Poughkeepsie, NY | | |
| Report Date: | 10/3/2007 | | | Apartment: | 208 | | |
| Abatement Le | 1 | | | | | | |
| Report No. | 24 | | | | | | |
| Job Start: | 1213 | | | Job Stop: | 1241 | | |

| Read No | Room | Wall/Structure | Member | Paint Cond. | Substrate | Lead mg/cm$^2$ | Mode |
|---|---|---|---|---|---|---|---|
| 1 | Calibrate | | | | | 1 | TC |
| 2 | Calibrate | | | | | 1 | TC |
| 3 | Calibrate | | | | | 1 | TC |
| 4 | Living Room | Ceiling | | Intact | Sheetrock | -0.3 | QM |
| 5 | Living Room | Wall A | | Intact | Sheetrock | -0.4 | QM |
| 6 | Living Room | Wall B | | Intact | Sheetrock | -0.3 | QM |
| 7 | Living Room | Wall C | | Intact | Sheetrock | -0.4 | QM |
| 8 | Living Room | Wall D | | Intact | Sheetrock | -0.2 | QM |
| 9 | Living Room | Closet | Door | Intact | Metal | -0.4 | QM |
| 10 | Living Room | Closet | Wall | Intact | Sheetrock | -0.4 | QM |
| 11 | Living Room | Entry Door | | Intact | Metal | -0.3 | QM |
| 12 | Living Room | Entry Door | Casing | Intact | Metal | -0.4 | QM |
| 13 | Living Room | Window | Sash | Intact | Metal | -0.8 | QM |
| 14 | Living Room | AC Box | | Intact | Metal | -0.4 | QM |
| 15 | Living Room | Radiator | | Intact | Metal | -0.2 | QM |
| 16 | Kitchen | Ceiling | | Intact | Sheetrock | -0.2 | QM |
| 17 | Kitchen | Wall A | | Intact | Sheetrock | -0.4 | QM |
| 18 | Kitchen | Wall B | | Intact | Sheetrock | -0.2 | QM |
| 19 | Kitchen | Wall C | | Intact | Sheetrock | -0.3 | QM |
| 20 | Kitchen | Wall D | | Intact | Sheetrock | -0.2 | QM |
| 21 | Kitchen | Vent Covering | | Intact | Metal | -0.2 | QM |
| 22 | Bedroom | Ceiling | | Intact | Sheetrock | -0.1 | QM |
| 23 | Bedroom | Wall A | | Intact | Sheetrock | -0.5 | QM |
| 24 | Bedroom | Wall B | | Intact | Sheetrock | -0.3 | QM |
| 25 | Bedroom | Wall C | | Intact | Sheetrock | -0.3 | QM |
| 26 | Bedroom | Wall D | | Intact | Sheetrock | -0.7 | QM |
| 27 | Bedroom | Closet | Door | Intact | Metal | -0.3 | QM |
| 28 | Bedroom | Door | | Intact | Wood | -0.7 | QM |
| 29 | Bedroom | Door | Casing | Intact | Metal | -0.3 | QM |
| 30 | Bedroom | AC Box | | Intact | Metal | -0.4 | QM |
| 31 | Bedroom | Radiator | | Intact | Metal | -0.4 | QM |
| 32 | Bedroom | Window | Sash | Intact | Metal | -0.6 | QM |
| 33 | Bathroom | Ceiling | | Intact | Sheetrock | -0.3 | QM |
| 34 | Bathroom | Wall A | | Intact | Sheetrock | -0.4 | QM |
| 35 | Bathroom | Wall B | | Intact | Sheetrock | -0.3 | QM |
| 36 | Bathroom | Wall C | | Intact | Sheetrock | -0.1 | QM |
| 37 | Bathroom | Wall D | | Intact | Sheetrock | -0.2 | QM |
| 38 | Bathroom | Wall C | | Intact | Tile | -0.3 | QM |
| 39 | Bathroom | Floor | | Intact | Tile | -0.5 | QM |
| 40 | Bathroom | Vent Covering | | Intact | Metal | -0.4 | QM |
| 41 | Bathroom | Door | | Intact | Wood | -0.3 | QM |
| 42 | Bathroom | Door | Casing | Intact | Metal | -0.6 | QM |
| 43 | Bathroom | Radiator | | Intact | Metal | -0.5 | QM |
| 44 | Living Room | Circuit Breaker | Box | Intact | Metal | -0.5 | QM |
| 45 | Calibrate | | | | | 1 | TC |
| 46 | Calibrate | | | | | 1.1 | TC |
| 47 | Calibrate | | | | | 1.1 | TC |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Inspection Da | 9/26/2007 | | | Address: | 135 Main Street, Poughkeepsie, NY | | |
| Report Date: | 9/28/2007 | | | Apartment: | 302 | | |
| Abatement Le | 1 | | | | | | |
| Report No. | 0926-1124 | | | | | | |
| Job Start: | 1124 | | | Job Stop: | 1204 | | |
| | | | | | | | |
| Read No | Room | Wall/Structure | Member | Paint Cond. | Substrate | Lead mg/cm$^2$ | Mode |
| 1 | Calibrate | | | | | 1 | TC |
| 2 | Calibrate | | | | | 1 | TC |
| 3 | Calibrate | | | | | 1 | TC |
| 4 | Living Room | Ceiling | | Intact | Sheetrock | -0.1 | QM |
| 5 | Living Room | Wall A | | Intact | Sheetrock | -0.1 | QM |
| 6 | Living Room | Wall B | | Intact | Sheetrock | -0.4 | QM |
| 7 | Living Room | Wall C | | Intact | Sheetrock | 0.1 | QM |
| 8 | Living Room | Wall D | | Intact | Sheetrock | -0.3 | QM |
| 9 | Living Room | Closet | Door | Intact | Metal | -0.1 | QM |
| 10 | Living Room | Closet | Wall | Intact | Sheetrock | 0 | QM |
| 11 | Living Room | Entry Door | | Intact | Metal | 0.1 | QM |
| 12 | Living Room | Entry Door | Casing | Intact | Metal | -0.1 | QM |
| 13 | Living Room | Window | Sash | Intact | Metal | -0.2 | QM |
| 14 | Living Room | AC Box | | Intact | Metal | -0.2 | QM |
| 15 | Living Room | Radiator | | Intact | Metal | -0.4 | QM |
| 16 | Kitchen | Ceiling | | Intact | Sheetrock | -0.3 | QM |
| 17 | Kitchen | Wall A | | Intact | Sheetrock | -0.1 | QM |
| 18 | Kitchen | Wall B | | Intact | Sheetrock | -0.3 | QM |
| 19 | Kitchen | Wall C | | Intact | Sheetrock | -0.1 | QM |
| 20 | Kitchen | Wall D | | Intact | Sheetrock | 0 | QM |
| 21 | Kitchen | Vent Cover | | Intact | Metal | 0.2 | QM |
| 22 | Bedroom | Ceiling | | Intact | Sheetrock | -0.2 | QM |
| 23 | Bedroom | Wall A | | Intact | Sheetrock | 0 | QM |
| 24 | Bedroom | Wall B | | Intact | Sheetrock | -0.2 | QM |
| 25 | Bedroom | Wall C | | Intact | Sheetrock | -0.2 | QM |
| 26 | Bedroom | Wall D | | Intact | Sheetrock | 0 | QM |
| 27 | Bedroom | Closet | Door | Intact | Metal | -0.1 | QM |
| 28 | Bedroom | Door | | Intact | Wood | -0.1 | QM |
| 29 | Bedroom | Door | Casing | Intact | Metal | 0.1 | QM |
| 30 | Bedroom | AC Box | | Intact | Metal | 0 | QM |
| 31 | Bedroom | Radiator | | Intact | Metal | -0.2 | QM |
| 32 | Bedroom | Window | Sash | Intact | Metal | -0.1 | QM |
| 33 | Bathroom | Ceiling | | Intact | Sheetrock | -0.2 | QM |
| 34 | Bathroom | Wall A | | Intact | Sheetrock | 0 | QM |
| 35 | Bathroom | Wall B | | Intact | Sheetrock | 0 | QM |
| 36 | Bathroom | Wall C | | Intact | Sheetrock | -0.1 | QM |
| 37 | Bathroom | Wall D | | Intact | Sheetrock | -0.2 | QM |
| 38 | Bathroom | Wall C | | Intact | Tile | 1.9 | QM |
| 39 | Bathroom | Floor | | Intact | Tile | -0.1 | QM |
| 40 | Bathroom | Vent Cover | | Intact | Metal | 0 | QM |
| 41 | Bathroom | Door | | Intact | Wood | -0.3 | QM |
| 42 | Bathroom | Door | Casing | Intact | Metal | 0 | QM |
| 43 | Bathroom | Medicine Cab. | | Intact | Metal | 0.3 | QM |
| 44 | Living Room | Electric Box | | Intact | Metal | -0.1 | QM |
| 45 | Calibrate | | | | | 1 | TC |
| 46 | Calibrate | | | | | 1 | TC |
| 47 | Calibrate | | | | | 0.9 | TC |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Inspection Dat | 9/25/2007 | | | Address: | 135 Main Street, Poughkeepsie, NY | | |
| Report Date: | 9/28/2007 | | | Apartment: | 305 | | |
| Abatement Lev | 1 | | | | | | |
| Report No. | 0925-1229 | | | | | | |
| Job Start: | 1229 | | | Job Stop: | 1308 | | |

| Read No | Room | Wall/Structure | Member | Paint Cond. | Substrate | Lead mg/cm$^2$ | Mode |
|---|---|---|---|---|---|---|---|
| 1 | Calibrate | | | | | 1.1 | TC |
| 2 | Calibrate | | | | | 1 | TC |
| 3 | Calibrate | | | | | 1 | TC |
| 4 | Living Room | Ceiling | | Intact | Sheetrock | 0 | QM |
| 5 | Living Room | Wall A | | Intact | Sheetrock | -0.2 | QM |
| 6 | Living Room | Wall B | | Intact | Sheetrock | -0.2 | QM |
| 7 | Living Room | Wall C | | Intact | Sheetrock | -0.3 | QM |
| 8 | Living Room | Wall D | | Intact | Sheetrock | 0 | QM |
| 9 | Living Room | Closet | Door | Intact | Metal | -0.1 | QM |
| 10 | Living Room | Closet | Wall | Intact | Sheetrock | 0 | QM |
| 11 | Living Room | Entry Door | | Intact | Metal | -0.1 | QM |
| 12 | Living Room | Entry Door | Casing | Intact | Metal | 0 | QM |
| 13 | Living Room | Window | Sash | Intact | Metal | -0.2 | QM |
| 14 | Living Room | AC Box | | Intact | Metal | 0.2 | QM |
| 15 | Living Room | Radiator | | Intact | Metal | -0.4 | QM |
| 16 | Kitchen | Ceiling | | Intact | Sheetrock | -0.2 | QM |
| 17 | Kitchen | Wall A | | Intact | Sheetrock | -0.4 | QM |
| 18 | Kitchen | Wall B | | Intact | Sheetrock | -0.1 | QM |
| 19 | Kitchen | Wall C | | Intact | Sheetrock | -0.1 | QM |
| 20 | Kitchen | Wall D | | Intact | Sheetrock | 0.1 | QM |
| 21 | Kitchen | Vent Cover | | Intact | Metal | 0.1 | QM |
| 22 | Bedroom | Ceiling | | Intact | Sheetrock | -0.1 | QM |
| 23 | Bedroom | Wall A | | Intact | Sheetrock | -0.1 | QM |
| 24 | Bedroom | Wall B | | Intact | Sheetrock | -0.1 | QM |
| 25 | Bedroom | Wall C | | Intact | Sheetrock | -0.2 | QM |
| 26 | Bedroom | Wall D | | Intact | Sheetrock | 0 | QM |
| 27 | Bedroom | Closet | Door | Intact | Metal | 0.2 | QM |
| 28 | Bedroom | Door | | Intact | Wood | -0.2 | QM |
| 29 | Bedroom | Door | Casing | Intact | Metal | 0.1 | QM |
| 30 | Bedroom | AC Box | | Intact | Metal | 0.3 | QM |
| 31 | Bedroom | Radiator | | Intact | Metal | -0.1 | QM |
| 32 | Bedroom | Window | Sash | Intact | Metal | -0.7 | QM |
| 33 | Bathroom | Ceiling | | Fair | Sheetrock | 0.1 | QM |
| 34 | Bathroom | Wall A | | Intact | Sheetrock | -0.1 | QM |
| 35 | Bathroom | Wall B | | Intact | Sheetrock | -0.1 | QM |
| 36 | Bathroom | Wall C | | Intact | Sheetrock | 0.1 | QM |
| 37 | Bathroom | Wall D | | Intact | Sheetrock | -0.1 | QM |
| 38 | Bathroom | Wall C | | Intact | Tile | 1.8 | QM |
| 39 | Bathroom | Floor | | Intact | Tile | 0.2 | QM |
| 40 | Bathroom | Vent Cover | | Intact | Metal | 0.2 | QM |
| 41 | Bathroom | Door | | Intact | Wood | -0.1 | QM |
| 42 | Bathroom | Door | Casing | Intact | Metal | 0 | QM |
| 43 | Bathroom | Medicine Cab. | | Intact | Metal | -0.1 | QM |
| 44 | Living Room | Electric Box | | Intact | Metal | 0.2 | QM |
| 45 | Calibrate | | | | | 1.1 | TC |
| 46 | Calibrate | | | | | 1.1 | TC |
| 47 | Calibrate | | | | | 1.1 | TC |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Inspection Da | 9/26/2007 | | | Address: | 135 Main Street, Poughkeepsie, NY | | |
| Report Date: | 9/28/2007 | | | Apartment: | 402 | | |
| Abatement Le | 1 | | | | | | |
| Report No. | 0926-1055 | | | | | | |
| Job Start: | 1055 | | | Job Stop: | 1124 | | |

| Read No | Room | Wall/Structure | Member | Paint Cond. | Substrate | Lead mg/cm$^2$ | Mode |
|---|---|---|---|---|---|---|---|
| 1 | Calibrate | | | | | 1 | TC |
| 2 | Calibrate | | | | | 1 | TC |
| 3 | Calibrate | | | | | 0.9 | TC |
| 4 | Living Room | Ceiling | | Intact | Sheetrock | 0.1 | QM |
| 5 | Living Room | Wall A | | Intact | Sheetrock | -0.1 | QM |
| 6 | Living Room | Wall B | | Intact | Sheetrock | -0.1 | QM |
| 7 | Living Room | Wall C | | Intact | Sheetrock | 0.1 | QM |
| 8 | Living Room | Wall D | | Intact | Sheetrock | 0.1 | QM |
| 9 | Living Room | Closet | Door | Intact | Metal | -0.1 | QM |
| 10 | Living Room | Closet | Wall | Intact | Sheetrock | 0 | QM |
| 11 | Living Room | Entry Door | | Intact | Metal | 0.1 | QM |
| 12 | Living Room | Entry Door | Casing | Intact | Metal | 0.1 | QM |
| 13 | Living Room | Window | Sash | Intact | Metal | -0.2 | QM |
| 14 | Living Room | AC Box | | Intact | Metal | 0.2 | QM |
| 15 | Living Room | Radiator | | Intact | Metal | -0.1 | QM |
| 16 | Kitchen | Ceiling | | Intact | Sheetrock | 0 | QM |
| 17 | Kitchen | Wall A | | Intact | Sheetrock | -0.3 | QM |
| 18 | Kitchen | Wall B | | Intact | Sheetrock | 0.1 | QM |
| 19 | Kitchen | Wall C | | Intact | Sheetrock | -0.1 | QM |
| 20 | Kitchen | Wall D | | Intact | Sheetrock | -0.2 | QM |
| 21 | Kitchen | Vent Cover | | Intact | Metal | 0.2 | QM |
| 22 | Bedroom | Ceiling | | Intact | Sheetrock | -0.1 | QM |
| 23 | Bedroom | Wall A | | Intact | Sheetrock | 0 | QM |
| 24 | Bedroom | Wall B | | Intact | Sheetrock | -0.1 | QM |
| 25 | Bedroom | Wall C | | Intact | Sheetrock | 0.2 | QM |
| 26 | Bedroom | Wall D | | Intact | Sheetrock | 0 | QM |
| 27 | Bedroom | Closet | Door | Intact | Metal | -0.1 | QM |
| 28 | Bedroom | Door | | Intact | Wood | -0.3 | QM |
| 29 | Bedroom | Door | Casing | Intact | Metal | 0 | QM |
| 30 | Bedroom | Radiator | | Intact | Metal | -0.1 | QM |
| 31 | Bedroom | Window | Sash | Intact | Metal | -0.3 | QM |
| 32 | Bathroom | Ceiling | | Intact | Sheetrock | -0.1 | QM |
| 33 | Bathroom | Wall A | | Intact | Sheetrock | 0 | QM |
| 34 | Bathroom | Wall B | | Intact | Sheetrock | -0.3 | QM |
| 35 | Bathroom | Wall C | | Intact | Sheetrock | -0.2 | QM |
| 36 | Bathroom | Wall D | | Intact | Sheetrock | -0.3 | QM |
| 37 | Bathroom | Wall C | | Intact | Tile | 0.4 | QM |
| 38 | Bathroom | Vent Cover | | Intact | Metal | 0.3 | QM |
| 39 | Bathroom | Door | | Intact | Wood | -0.3 | QM |
| 40 | Bathroom | Door | Casing | Intact | Metal | 0 | QM |
| 41 | Bathroom | Medicine Cab. | | Intact | Metal | 0 | QM |
| 42 | Living Room | Electric Box | | Intact | Metal | -0.2 | QM |
| 43 | Calibrate | | | | | 1 | TC |
| 44 | Calibrate | | | | | 0.9 | TC |
| 45 | Calibrate | | | | | 1 | TC |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Inspection Da | 9/26/2007 | | | Address: | 135 Main Street, Poughkeepsie, NY | | |
| Report Date: | 10/3/2007 | | | Apartment: | 407 | | |
| Abatement Le | 1 | | | | | | |
| Report No. | 22 | | | | | | |
| Job Start: | 1114 | | | Job Stop: | 1139 | | |

| Read No | Room | Wall/Structure | Member | Paint Cond. | Substrate | Lead mg/cm$^2$ | Mode |
|---|---|---|---|---|---|---|---|
| 1 | Calibrate | | | | | 1 | TC |
| 2 | Calibrate | | | | | 0.9 | TC |
| 3 | Calibrate | | | | | 1 | TC |
| 4 | Living Room | Ceiling | | Intact | Sheetrock | -0.5 | QM |
| 5 | Living Room | Wall A | | Intact | Sheetrock | -0.3 | QM |
| 6 | Living Room | Wall B | | Intact | Sheetrock | -0.2 | QM |
| 7 | Living Room | Wall C | | Intact | Sheetrock | -0.1 | QM |
| 8 | Living Room | Wall D | | Intact | Sheetrock | -0.2 | QM |
| 9 | Living Room | Closet | Door | Intact | Metal | -0.6 | QM |
| 10 | Living Room | Closet | Wall | Intact | Sheetrock | -0.4 | QM |
| 11 | Living Room | Entry Door | | Intact | Metal | -0.6 | QM |
| 12 | Living Room | Entry Door | Casing | Intact | Metal | -0.4 | QM |
| 13 | Living Room | Window | Sash | Intact | Metal | -0.4 | QM |
| 14 | Living Room | AC Box | | Intact | Metal | -0.8 | QM |
| 15 | Living Room | Radiator | | Intact | Metal | -0.2 | QM |
| 16 | Kitchen | Ceiling | | Intact | Sheetrock | -0.4 | QM |
| 17 | Kitchen | Wall A | | Intact | Sheetrock | -0.3 | QM |
| 18 | Kitchen | Wall B | | Intact | Sheetrock | -0.3 | QM |
| 19 | Kitchen | Wall C | | Intact | Sheetrock | -0.2 | QM |
| 20 | Kitchen | Wall D | | Intact | Sheetrock | -0.2 | QM |
| 21 | Kitchen | Vent Covering | | Intact | Metal | -0.2 | QM |
| 22 | Bedroom | Ceiling | | Intact | Sheetrock | -0.4 | QM |
| 23 | Bedroom | Wall A | | Intact | Sheetrock | -0.2 | QM |
| 24 | Bedroom | Wall B | | Intact | Sheetrock | -0.3 | QM |
| 25 | Bedroom | Wall C | | Intact | Sheetrock | -0.2 | QM |
| 26 | Bedroom | Wall D | | Intact | Sheetrock | -0.5 | QM |
| 27 | Bedroom | Closet | Door | Intact | Metal | -0.3 | QM |
| 28 | Bedroom | Door | | Intact | Wood | -0.7 | QM |
| 29 | Bedroom | Door | Casing | Intact | Metal | -0.5 | QM |
| 30 | Bedroom | AC Box | | Intact | Metal | -0.3 | QM |
| 31 | Bedroom | Radiator | | Intact | Metal | -0.6 | QM |
| 32 | Bedroom | Window | Sash | Intact | Metal | -0.3 | QM |
| 33 | Bathroom | Ceiling | | Intact | Sheetrock | -0.3 | QM |
| 34 | Bathroom | Wall A | | Intact | Sheetrock | -0.2 | QM |
| 35 | Bathroom | Wall B | | Intact | Sheetrock | -0.4 | QM |
| 36 | Bathroom | Wall C | | Intact | Sheetrock | -0.4 | QM |
| 37 | Bathroom | Wall D | | Intact | Sheetrock | -0.5 | QM |
| 38 | Bathroom | Wall C | | Intact | Tile | -0.8 | QM |
| 39 | Bathroom | Floor | | Intact | Tile | -0.5 | QM |
| 40 | Bathroom | Vent Covering | | Intact | Metal | -0.4 | QM |
| 41 | Bathroom | Door | | Intact | Wood | -0.6 | QM |
| 42 | Bathroom | Door | Casing | Intact | Metal | -0.4 | QM |
| 43 | Bathroom | Radiator | | Intact | Metal | -0.5 | QM |
| 44 | Living Room | Circuit Breaker | Box | Intact | Metal | -0.5 | QM |
| 45 | Calibrate | | | | | 0.9 | TC |
| 46 | Calibrate | | | | | 0.8 | TC |
| 47 | Calibrate | | | | | 0.9 | TC |

| Inspection Dat | 9/26/2007 | | | Address: | 135 Main Street, Poughkeepsie, NY | | |
|---|---|---|---|---|---|---|---|
| Report Date: | 10/3/2007 | | | Apartment: | 506 | | |
| Abatement Lev | 1 | | | | | | |
| Report No. | 21 | | | | | | |
| Job Start: | 1048 | | | Job Stop: | 1113 | | |

| Read No | Room | Wall/Structure | Member | Paint Cond. | Substrate | Lead mg/cm$^2$ | Mode |
|---|---|---|---|---|---|---|---|
| 1 | Calibrate | | | | | 0.9 | TC |
| 2 | Calibrate | | | | | 0.9 | TC |
| 3 | Calibrate | | | | | 1 | TC |
| 4 | Living Room | Ceiling | | Intact | Sheetrock | -0.3 | QM |
| 5 | Living Room | Wall A | | Intact | Sheetrock | -0.3 | QM |
| 6 | Living Room | Wall B | | Intact | Sheetrock | -0.7 | QM |
| 7 | Living Room | Wall C | | Intact | Sheetrock | -0.3 | QM |
| 8 | Living Room | Wall D | | Intact | Sheetrock | -0.2 | QM |
| 9 | Living Room | Closet | Door | Intact | Metal | -0.5 | QM |
| 10 | Living Room | Closet | Wall | Intact | Sheetrock | -0.3 | QM |
| 11 | Living Room | Entry Door | | Intact | Metal | -0.7 | QM |
| 12 | Living Room | Entry Door | Casing | Intact | Metal | -0.5 | QM |
| 13 | Living Room | Window | Sash | Intact | Metal | -0.5 | QM |
| 14 | Living Room | AC Box | | Intact | Metal | -0.8 | QM |
| 15 | Living Room | Radiator | | Intact | Metal | -0.4 | QM |
| 16 | Kitchen | Ceiling | | Intact | Sheetrock | -0.2 | QM |
| 17 | Kitchen | Wall A | | Intact | Sheetrock | 0 | QM |
| 18 | Kitchen | Wall B | | Intact | Sheetrock | -0.3 | QM |
| 19 | Kitchen | Wall C | | Intact | Sheetrock | -0.4 | QM |
| 20 | Kitchen | Wall D | | Intact | Sheetrock | 0 | QM |
| 21 | Kitchen | Vent Covering | | Intact | Metal | -0.3 | QM |
| 22 | Bedroom | Ceiling | | Intact | Sheetrock | -0.2 | QM |
| 23 | Bedroom | Wall A | | Intact | Sheetrock | -0.5 | QM |
| 24 | Bedroom | Wall B | | Intact | Sheetrock | -0.3 | QM |
| 25 | Bedroom | Wall C | | Intact | Sheetrock | -0.2 | QM |
| 26 | Bedroom | Wall D | | Intact | Sheetrock | -0.4 | QM |
| 27 | Bedroom | Closet | Door | Intact | Metal | -0.7 | QM |
| 28 | Bedroom | Door | | Intact | Wood | -0.5 | QM |
| 29 | Bedroom | Door | Casing | Intact | Metal | -0.5 | QM |
| 30 | Bedroom | AC Box | | Intact | Metal | -0.6 | QM |
| 31 | Bedroom | Radiator | | Intact | Metal | -0.6 | QM |
| 32 | Bedroom | Window | Sash | Intact | Metal | -0.5 | QM |
| 33 | Bathroom | Ceiling | | Intact | Sheetrock | -0.6 | QM |
| 34 | Bathroom | Wall A | | Intact | Sheetrock | -0.2 | QM |
| 35 | Bathroom | Wall B | | Intact | Sheetrock | -0.3 | QM |
| 36 | Bathroom | Wall C | | Intact | Sheetrock | -0.3 | QM |
| 37 | Bathroom | Wall D | | Intact | Sheetrock | -0.3 | QM |
| 38 | Bathroom | Wall C | | Intact | Tile | -0.8 | QM |
| 39 | Bathroom | Floor | | Intact | Tile | -0.7 | QM |
| 40 | Bathroom | Vent Covering | | Intact | Metal | -0.4 | QM |
| 41 | Bathroom | Door | | Intact | Wood | -0.4 | QM |
| 42 | Bathroom | Door | Casing | Intact | Metal | -0.4 | QM |
| 43 | Living Room | Circuit Breaker | Box | Intact | Metal | -0.6 | QM |
| 44 | Calibrate | | | | | 0.9 | TC |
| 45 | Calibrate | | | | | 1 | TC |
| 46 | Calibrate | | | | | 1 | TC |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Inspection Dat | 9/25/2007 | | | Address: | 135 Main Street, Poughkeepsie, NY | | |
| Report Date: | 9/28/2007 | | | Apartment: | 510 | | |
| Abatement Lev | 1 | | | | | | |
| Report No. | 0925-0940 | | | | | | |
| Job Start: | 940 | | | Job Stop: | 1040 | | |
| | | | | | | | |
| Read No | Room | Wall/Structure | Member | Paint Cond. | Substrate | Lead mg/cm$^2$ | Mode |
| 1 | Calibrate | | | | | 0.8 | TC |
| 2 | Calibrate | | | | | 0.8 | TC |
| 3 | Calibrate | | | | | 0.8 | TC |
| 4 | Living Room | Ceiling | | Intact | Sheetrock | 0 | QM |
| 5 | Living Room | Wall A | | Intact | Sheetrock | -0.2 | QM |
| 6 | Living Room | Wall B | | Intact | Sheetrock | -0.4 | QM |
| 7 | Living Room | Wall C | | Intact | Sheetrock | -0.1 | QM |
| 8 | Living Room | Wall D | | Intact | Sheetrock | 0 | QM |
| 9 | Living Room | Closet | Door | Intact | Metal | -0.2 | QM |
| 10 | Living Room | Closet | Wall | Intact | Sheetrock | -0.4 | QM |
| 11 | Living Room | Entry Door | | Intact | Metal | -0.2 | QM |
| 12 | Living Room | Entry Door | Casing | Intact | Metal | -0.3 | QM |
| 13 | Living Room | Window | Sash | Intact | Metal | -0.8 | QM |
| 14 | Living Room | AC Box | | Intact | Metal | -0.2 | QM |
| 15 | Living Room | Radiator | | Intact | Metal | -0.1 | QM |
| 16 | Kitchen | Ceiling | | Intact | Sheetrock | -0.7 | QM |
| 17 | Kitchen | Wall A | | Intact | Sheetrock | -0.2 | QM |
| 18 | Kitchen | Wall B | | Intact | Sheetrock | -0.2 | QM |
| 19 | Kitchen | Wall C | | Intact | Sheetrock | -0.5 | QM |
| 20 | Kitchen | Wall D | | Intact | Sheetrock | 0 | QM |
| 21 | Bedroom | Ceiling | | Intact | Sheetrock | -0.3 | QM |
| 22 | Bedroom | Wall A | | Intact | Sheetrock | -0.2 | QM |
| 23 | Bedroom | Wall B | | Intact | Sheetrock | -0.2 | QM |
| 24 | Bedroom | Wall C | | Intact | Sheetrock | -0.2 | QM |
| 25 | Bedroom | Wall D | | Intact | Sheetrock | -0.4 | QM |
| 26 | Bedroom | Closet | Door | Intact | Metal | -0.3 | QM |
| 27 | Bedroom | Door | | Intact | Wood | -0.3 | QM |
| 28 | Bedroom | Door | Casing | Intact | Metal | -0.2 | QM |
| 29 | Bedroom | AC Box | | Intact | Metal | -0.2 | QM |
| 30 | Bedroom | Radiator | | Intact | Metal | 0.1 | QM |
| 31 | Bedroom | Window | Sash | Intact | Metal | -0.5 | QM |
| 32 | Bathroom | Ceiling | | Intact | Sheetrock | -0.3 | QM |
| 33 | Bathroom | Wall A | | Intact | Sheetrock | -0.2 | QM |
| 34 | Bathroom | Wall B | | Intact | Sheetrock | -0.3 | QM |
| 35 | Bathroom | Wall C | | Intact | Sheetrock | 0 | QM |
| 36 | Bathroom | Wall D | | Intact | Sheetrock | -0.1 | QM |
| 37 | Bathroom | Wall C | | Intact | Tile | -0.7 | QM |
| 38 | Bathroom | Floor | | Intact | Tile | -0.2 | QM |
| 39 | Bathroom | Door | | Intact | Wood | -0.4 | QM |
| 40 | Bathroom | Door | Casing | Intact | Metal | -0.1 | QM |
| 41 | Bathroom | Medicine Cab. | | Intact | Metal | -0.5 | QM |
| 42 | Calibrate | | | | | 0.6 | TC |
| 43 | Calibrate | | | | | 0.6 | TC |
| 44 | Calibrate | | | | | 1 | TC |

| Inspection Dat | 9/26/2007 | | | Address: | 135 Main Street, Poughkeepsie, NY | | |
|---|---|---|---|---|---|---|---|
| Report Date: | 10/3/2007 | | | Apartment: | 603 | | |
| Abatement Lev | 1 | | | | | | |
| Report No. | 20 | | | | | | |
| Job Start: | 1015 | | | Job Stop: | 1047 | | |
| | | | | | | | |
| Read No | Room | Wall/Structure | Member | Paint Cond. | Substrate | Lead mg/cm$^2$ | Mode |
| 1 | Calibrate | | | | | 1 | TC |
| 2 | Calibrate | | | | | 1 | TC |
| 3 | Calibrate | | | | | 1.1 | TC |
| 4 | Living Room | Ceiling | | Intact | Sheetrock | -0.5 | QM |
| 5 | Living Room | Wall A | | Intact | Sheetrock | -0.3 | QM |
| 6 | Living Room | Wall B | | Intact | Sheetrock | -0.3 | QM |
| 7 | Living Room | Wall C | | Intact | Sheetrock | -0.4 | QM |
| 8 | Living Room | Wall D | | Intact | Sheetrock | -0.6 | QM |
| 9 | Living Room | Closet | Door | Intact | Metal | -0.3 | QM |
| 10 | Living Room | Closet | Wall | Intact | Sheetrock | -0.3 | QM |
| 11 | Living Room | Entry Door | | Intact | Metal | -0.5 | QM |
| 12 | Living Room | Entry Door | Casing | Intact | Metal | -0.4 | QM |
| 13 | Living Room | Window | Sash | Intact | Metal | -0.5 | QM |
| 14 | Living Room | AC Box | | Intact | Metal | -0.8 | QM |
| 15 | Living Room | Radiator | | Intact | Metal | -0.3 | QM |
| 16 | Kitchen | Ceiling | | Intact | Sheetrock | -0.5 | QM |
| 17 | Kitchen | Wall A | | Intact | Sheetrock | -0.8 | QM |
| 18 | Kitchen | Wall B | | Intact | Sheetrock | -0.3 | QM |
| 19 | Kitchen | Wall C | | Intact | Sheetrock | -0.3 | QM |
| 20 | Kitchen | Wall D | | Intact | Sheetrock | -0.2 | QM |
| 21 | Kitchen | Vent Covering | | Intact | Metal | -0.2 | QM |
| 22 | Bedroom | Ceiling | | Intact | Sheetrock | -0.4 | QM |
| 23 | Bedroom | Wall A | | Intact | Sheetrock | -0.3 | QM |
| 24 | Bedroom | Wall B | | Intact | Sheetrock | -0.6 | QM |
| 25 | Bedroom | Wall C | | Intact | Sheetrock | -0.3 | QM |
| 26 | Bedroom | Wall D | | Intact | Sheetrock | -0.2 | QM |
| 27 | Bedroom | Closet | Door | Intact | Metal | -0.3 | QM |
| 28 | Bedroom | Door | | Intact | Wood | -0.5 | QM |
| 29 | Bedroom | Door | Casing | Intact | Metal | -0.5 | QM |
| 30 | Bedroom | AC Box | | Intact | Metal | -0.3 | QM |
| 31 | Bedroom | Radiator | | Intact | Metal | -0.5 | QM |
| 32 | Bedroom | Window | Sash | Intact | Metal | -0.5 | QM |
| 33 | Bathroom | Ceiling | | Intact | Sheetrock | -0.4 | QM |
| 34 | Bathroom | Wall A | | Intact | Sheetrock | -0.4 | QM |
| 35 | Bathroom | Wall B | | Intact | Sheetrock | -0.4 | QM |
| 36 | Bathroom | Wall C | | Intact | Sheetrock | -0.2 | QM |
| 37 | Bathroom | Wall D | | Intact | Sheetrock | -0.2 | QM |
| 38 | Bathroom | Wall C | | Intact | Tile | -0.4 | QM |
| 39 | Bathroom | Floor | | Intact | Tile | 0 | QM |
| 40 | Bathroom | Vent Covering | | Intact | Metal | -0.5 | QM |
| 41 | Bathroom | Door | | Intact | Wood | -0.4 | QM |
| 42 | Bathroom | Door | Casing | Intact | Metal | -0.4 | QM |
| 43 | Bathroom | Radiator | | Intact | Metal | -0.6 | QM |
| 44 | Living Room | Circuit Breaker | Box | Intact | Metal | -0.4 | QM |
| 45 | Calibrate | | | | | 1.2 | TC |
| 46 | Calibrate | | | | | 0.9 | TC |
| 47 | Calibrate | | | | | 0.9 | TC |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Inspection Da | 9/26/2007 | | | Address: | 135 Main Street, Poughkeepsie, NY | | |
| Report Date: | 9/28/2007 | | | Apartment: | 607 | | |
| Abatement Le | 1 | | | | | | |
| Report No. | 0926-1027 | | | | | | |
| Job Start: | 1027 | | | Job Stop: | 1053 | | |
| | | | | | | | |
| Read No | Room | Wall/Structure | Member | Paint Cond. | Substrate | Lead mg/cm$^2$ | Mode |
| 1 | Calibrate | | | | | 1.1 | TC |
| 2 | Calibrate | | | | | 0.9 | TC |
| 3 | Calibrate | | | | | 1 | TC |
| 4 | Living Room | Ceiling | | Intact | Sheetrock | 0 | QM |
| 5 | Living Room | Wall A | | Intact | Sheetrock | -0.1 | QM |
| 6 | Living Room | Wall B | | Intact | Sheetrock | -0.2 | QM |
| 7 | Living Room | Wall C | | Intact | Sheetrock | 0.1 | QM |
| 8 | Living Room | Wall D | | Intact | Sheetrock | -0.1 | QM |
| 9 | Living Room | Closet | Door | Intact | Metal | 0 | QM |
| 10 | Living Room | Closet | Wall | Intact | Sheetrock | -0.2 | QM |
| 11 | Living Room | Entry Door | | Intact | Metal | -0.1 | QM |
| 12 | Living Room | Entry Door | Casing | Intact | Metal | 0.1 | QM |
| 13 | Living Room | Window | Sash | Intact | Metal | -0.7 | QM |
| 14 | Living Room | AC Box | | Intact | Metal | 0.1 | QM |
| 15 | Living Room | Radiator | | Intact | Metal | -0.1 | QM |
| 16 | Kitchen | Ceiling | | Intact | Sheetrock | -0.2 | QM |
| 17 | Kitchen | Wall A | | Intact | Sheetrock | -0.2 | QM |
| 18 | Kitchen | Wall B | | Intact | Sheetrock | 0 | QM |
| 19 | Kitchen | Wall C | | Intact | Sheetrock | 0 | QM |
| 20 | Kitchen | Wall D | | Intact | Sheetrock | -0.1 | QM |
| 21 | Kitchen | Vent Cover | | Intact | Metal | 0.3 | QM |
| 22 | Bedroom | Ceiling | | Intact | Sheetrock | -0.1 | QM |
| 23 | Bedroom | Wall A | | Intact | Sheetrock | 0 | QM |
| 24 | Bedroom | Wall B | | Intact | Sheetrock | 0.1 | QM |
| 25 | Bedroom | Wall C | | Intact | Sheetrock | 0.1 | QM |
| 26 | Bedroom | Wall D | | Intact | Sheetrock | 0 | QM |
| 27 | Bedroom | Closet | Door | Intact | Metal | 0.1 | QM |
| 28 | Bedroom | Door | | Intact | Wood | -0.5 | QM |
| 29 | Bedroom | Door | Casing | Intact | Metal | 0 | QM |
| 30 | Bedroom | AC Box | | Intact | Metal | -0.1 | QM |
| 31 | Bedroom | Radiator | | Intact | Metal | -0.1 | QM |
| 32 | Bedroom | Window | Sash | Intact | Metal | 0 | QM |
| 33 | Bathroom | Ceiling | | Intact | Sheetrock | -0.1 | QM |
| 34 | Bathroom | Wall A | | Intact | Sheetrock | -0.2 | QM |
| 35 | Bathroom | Wall B | | Intact | Sheetrock | 0 | QM |
| 36 | Bathroom | Wall C | | Intact | Sheetrock | -0.1 | QM |
| 37 | Bathroom | Wall D | | Intact | Sheetrock | 0 | QM |
| 38 | Bathroom | Wall C | | Intact | Tile | -0.6 | QM |
| 39 | Bathroom | Floor | | Intact | Tile | 0.2 | QM |
| 40 | Bathroom | Vent Cover | | Intact | Metal | 0.2 | QM |
| 41 | Bathroom | Door | | Intact | Wood | -0.2 | QM |
| 42 | Bathroom | Door | Casing | Intact | Metal | 0 | QM |
| 43 | Bathroom | Medicine Cab. | | Intact | Metal | 0.1 | QM |
| 44 | Living Room | Electric Box | | Intact | Metal | 0.1 | QM |
| 45 | Calibrate | | | | | 1.1 | TC |
| 46 | Calibrate | | | | | 1.1 | TC |
| 47 | Calibrate | | | | | 1.1 | TC |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Inspection D: | 9/26/2007 | | | Address: | 135 Main Street, Poughkeepsie, NY | | |
| Report Date: | 9/28/2007 | | | Apartment: | 702 | | |
| Abatement L | 1 | | | | | | |
| Report No. | 0926-0955 | | | | | | |
| Job Start: | 955 | | | Job Stop: | 1026 | | |

| Read No | Room | Wall/Structure | Member | Paint Cond. | Substrate | Lead mg/cm$^2$ | Mode |
|---|---|---|---|---|---|---|---|
| 1 | Calibrate | | | | | 0.9 | TC |
| 2 | Calibrate | | | | | 0.9 | TC |
| 3 | Calibrate | | | | | 1 | TC |
| 4 | Living Room | Ceiling | | Intact | Sheetrock | 0.2 | QM |
| 5 | Living Room | Wall A | | Intact | Sheetrock | -0.3 | QM |
| 6 | Living Room | Wall B | | Intact | Sheetrock | 0 | QM |
| 7 | Living Room | Wall C | | Intact | Sheetrock | 0.1 | QM |
| 8 | Living Room | Wall D | | Intact | Sheetrock | 0 | QM |
| 9 | Living Room | Closet | Door | Intact | Metal | -0.2 | QM |
| 10 | Living Room | Closet | Wall | Intact | Sheetrock | -0.2 | QM |
| 11 | Living Room | Entry Door | | Intact | Metal | -0.1 | QM |
| 12 | Living Room | Entry Door | Casing | Intact | Metal | 0.2 | QM |
| 13 | Living Room | Window | Sash | Intact | Metal | -0.3 | QM |
| 14 | Living Room | AC Box | | Intact | Metal | -0.5 | QM |
| 15 | Living Room | Radiator | | Intact | Metal | 0.2 | QM |
| 16 | Kitchen | Ceiling | | Intact | Sheetrock | -0.5 | QM |
| 17 | Kitchen | Wall A | | Intact | Sheetrock | -0.3 | QM |
| 18 | Kitchen | Wall B | | Intact | Sheetrock | 0 | QM |
| 19 | Kitchen | Wall C | | Intact | Sheetrock | -0.2 | QM |
| 20 | Kitchen | Wall D | | Intact | Sheetrock | 0.1 | QM |
| 21 | Kitchen | Vent Cover | | Intact | Metal | 0.2 | QM |
| 22 | Bedroom | Ceiling | | Intact | Sheetrock | -0.1 | QM |
| 23 | Bedroom | Wall A | | Intact | Sheetrock | -0.1 | QM |
| 24 | Bedroom | Wall B | | Intact | Sheetrock | -0.1 | QM |
| 25 | Bedroom | Wall C | | Intact | Sheetrock | 0 | QM |
| 26 | Bedroom | Wall D | | Intact | Sheetrock | 0 | QM |
| 27 | Bedroom | Closet | Door | Intact | Metal | 0 | QM |
| 28 | Bedroom | Door | | Intact | Wood | -0.4 | QM |
| 29 | Bedroom | Door | Casing | Intact | Metal | 0 | QM |
| 30 | Bedroom | AC Box | | Intact | Metal | -0.1 | QM |
| 31 | Bedroom | Radiator | | Intact | Metal | 0.2 | QM |
| 32 | Bedroom | Window | Sash | Intact | Metal | -0.3 | QM |
| 33 | Bathroom | Ceiling | | Intact | Sheetrock | 0.1 | QM |
| 34 | Bathroom | Wall A | | Intact | Sheetrock | -0.2 | QM |
| 35 | Bathroom | Wall B | | Intact | Sheetrock | -0.1 | QM |
| 36 | Bathroom | Wall C | | Intact | Sheetrock | 0.1 | QM |
| 37 | Bathroom | Wall D | | Intact | Sheetrock | -0.3 | QM |
| 38 | Bathroom | Wall C | | Intact | Tile | 1.8 | QM |
| 39 | Bathroom | Floor | | Intact | Tile | -0.1 | QM |
| 40 | Bathroom | Vent Cover | | Intact | Metal | 0.2 | QM |
| 41 | Bathroom | Door | | Intact | Wood | -0.2 | QM |
| 42 | Bathroom | Door | Casing | Intact | Metal | -0.1 | QM |
| 43 | Bathroom | Medicine Cab. | | Intact | Metal | 0.1 | QM |
| 44 | Living Room | Electric Box | | Intact | Metal | -0.2 | QM |
| 45 | Calibrate | | | | | 1.1 | TC |
| 46 | Calibrate | | | | | 1 | TC |
| 47 | Calibrate | | | | | 0.9 | TC |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Inspection Dat | 9/26/2007 | | | Address: | 135 Main Street, Poughkeepsie, NY | | |
| Report Date: | 10/3/2007 | | | Apartment: | 705 | | |
| Abatement Lev | 1 | | | | | | |
| Report No. | 19 | | | | | | |
| Job Start: | 947 | | | Job Stop: | 1014 | | |

| Read No | Room | Wall/Structure | Member | Paint Cond. | Substrate | Lead mg/cm$^2$ | Mode |
|---|---|---|---|---|---|---|---|
| 1 | Calibrate | | | | | 0.9 | TC |
| 2 | Calibrate | | | | | 0.9 | TC |
| 3 | Calibrate | | | | | 1 | TC |
| 4 | Living Room | Ceiling | | Intact | Sheetrock | -0.5 | QM |
| 5 | Living Room | Wall A | | Intact | Sheetrock | -0.3 | QM |
| 6 | Living Room | Wall B | | Intact | Sheetrock | -0.3 | QM |
| 7 | Living Room | Wall C | | Intact | Sheetrock | -0.4 | QM |
| 8 | Living Room | Wall D | | Intact | Sheetrock | -0.2 | QM |
| 9 | Living Room | Closet | Door | Intact | Metal | -0.3 | QM |
| 10 | Living Room | Closet | Wall | Intact | Sheetrock | -0.6 | QM |
| 11 | Living Room | Entry Door | | Intact | Metal | -0.4 | QM |
| 12 | Living Room | Entry Door | Casing | Intact | Metal | -0.6 | QM |
| 13 | Living Room | Window | Sash | Intact | Metal | -0.3 | QM |
| 14 | Living Room | AC Box | | Intact | Metal | -0.7 | QM |
| 15 | Living Room | Radiator | | Intact | Metal | -0.4 | QM |
| 16 | Kitchen | Ceiling | | Intact | Sheetrock | -0.5 | QM |
| 17 | Kitchen | Wall A | | Intact | Sheetrock | -0.3 | QM |
| 18 | Kitchen | Wall B | | Intact | Sheetrock | -0.4 | QM |
| 19 | Kitchen | Wall C | | Intact | Sheetrock | -0.3 | QM |
| 20 | Kitchen | Wall D | | Intact | Sheetrock | -0.4 | QM |
| 21 | Kitchen | Vent Covering | | Intact | Metal | -0.1 | QM |
| 22 | Bedroom | Ceiling | | Intact | Sheetrock | -0.7 | QM |
| 23 | Bedroom | Wall A | | Intact | Sheetrock | -0.4 | QM |
| 24 | Bedroom | Wall B | | Intact | Sheetrock | -0.1 | QM |
| 25 | Bedroom | Wall C | | Intact | Sheetrock | -0.2 | QM |
| 26 | Bedroom | Wall D | | Intact | Sheetrock | -0.2 | QM |
| 27 | Bedroom | Closet | Door | Intact | Metal | -0.1 | QM |
| 28 | Bedroom | Door | | Intact | Wood | -0.5 | QM |
| 29 | Bedroom | Door | Casing | Intact | Metal | -0.3 | QM |
| 30 | Bedroom | AC Box | | Intact | Metal | -0.3 | QM |
| 31 | Bedroom | Radiator | | Intact | Metal | -0.4 | QM |
| 32 | Bedroom | Window | Sash | Intact | Metal | -0.6 | QM |
| 33 | Bathroom | Ceiling | | Intact | Sheetrock | -0.2 | QM |
| 34 | Bathroom | Wall A | | Intact | Sheetrock | -0.5 | QM |
| 35 | Bathroom | Wall B | | Intact | Sheetrock | -0.3 | QM |
| 36 | Bathroom | Wall C | | Intact | Sheetrock | -0.6 | QM |
| 37 | Bathroom | Wall D | | Intact | Sheetrock | -0.2 | QM |
| 38 | Bathroom | Wall C | | Intact | Tile | -0.5 | QM |
| 39 | Bathroom | Floor | | Intact | Tile | -0.5 | QM |
| 40 | Bathroom | Vent Covering | | Intact | Metal | -0.3 | QM |
| 41 | Bathroom | Door | | Intact | Wood | -0.4 | QM |
| 42 | Bathroom | Door | Casing | Intact | Metal | -0.4 | QM |
| 43 | Living Room | Circuit Breaker | Box | Intact | Metal | -0.4 | QM |
| 44 | Calibrate | | | | | 1 | TC |
| 45 | Calibrate | | | | | 0.9 | TC |
| 46 | Calibrate | | | | | 0.9 | TC |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Inspection Da | 9/26/2007 | | | Address: | 135 Main Street, Poughkeepsie, NY | | |
| Report Date: | 9/28/2007 | | | Apartment: | 808 | | |
| Abatement Le | 1 | | | | | | |
| Report No. | 0926-0919 | | | | | | |
| Job Start: | 919 | | | Job Stop: | 955 | | |

| Read No | Room | Wall/Structure | Member | Paint Cond. | Substrate | Lead mg/cm$^2$ | Mode |
|---|---|---|---|---|---|---|---|
| 1 | Calibrate | | | | | 0.9 | TC |
| 2 | Calibrate | | | | | 0.8 | TC |
| 3 | Calibrate | | | | | 0.8 | TC |
| 4 | Living Room | Ceiling | | Intact | Sheetrock | -0.1 | QM |
| 5 | Living Room | Wall A | | Intact | Sheetrock | -0.2 | QM |
| 6 | Living Room | Wall B | | Intact | Sheetrock | 0.1 | QM |
| 7 | Living Room | Wall C | | Intact | Sheetrock | -0.3 | QM |
| 8 | Living Room | Wall D | | Intact | Sheetrock | 0.1 | QM |
| 9 | Living Room | Closet | Door | Intact | Metal | -0.4 | QM |
| 10 | Living Room | Closet | Wall | Intact | Sheetrock | 0.1 | QM |
| 11 | Living Room | Entry Door | | Intact | Metal | -0.4 | QM |
| 12 | Living Room | Entry Door | Casing | Intact | Metal | -0.5 | QM |
| 13 | Living Room | Window | Sash | Intact | Metal | -0.6 | QM |
| 14 | Living Room | AC Box | | Intact | Metal | -0.5 | QM |
| 15 | Living Room | Radiator | | Intact | Metal | -0.1 | QM |
| 16 | Kitchen | Ceiling | | Intact | Sheetrock | -0.2 | QM |
| 17 | Kitchen | Wall A | | Intact | Sheetrock | -0.2 | QM |
| 18 | Kitchen | Wall B | | Intact | Sheetrock | 0 | QM |
| 19 | Kitchen | Wall C | | Intact | Sheetrock | -0.1 | QM |
| 20 | Kitchen | Wall D | | Intact | Sheetrock | -0.1 | QM |
| 21 | Kitchen | Vent Cover | | Intact | Metal | 0 | QM |
| 22 | Bedroom | Ceiling | | Intact | Sheetrock | 0 | QM |
| 23 | Bedroom | Wall A | | Intact | Sheetrock | -0.1 | QM |
| 24 | Bedroom | Wall B | | Intact | Sheetrock | -0.4 | QM |
| 25 | Bedroom | Wall C | | Intact | Sheetrock | -0.4 | QM |
| 26 | Bedroom | Wall D | | Intact | Sheetrock | 0.1 | QM |
| 27 | Bedroom | Closet | Door | Intact | Metal | -0.4 | QM |
| 28 | Bedroom | Door | | Intact | Wood | -0.1 | QM |
| 29 | Bedroom | Door | Casing | Intact | Metal | -0.1 | QM |
| 30 | Bedroom | AC Box | | Intact | Metal | 0.2 | QM |
| 31 | Bedroom | Radiator | | Intact | Metal | -0.1 | QM |
| 32 | Bedroom | Window | Sash | Intact | Metal | -0.3 | QM |
| 33 | Bathroom | Ceiling | | Intact | Sheetrock | -0.3 | QM |
| 34 | Bathroom | Wall A | | Intact | Sheetrock | -0.1 | QM |
| 35 | Bathroom | Wall B | | Intact | Sheetrock | -0.1 | QM |
| 36 | Bathroom | Wall C | | Intact | Sheetrock | -0.1 | QM |
| 37 | Bathroom | Wall D | | Intact | Sheetrock | -0.2 | QM |
| 38 | Bathroom | Wall C | | Intact | Tile | 1.6 | QM |
| 39 | Bathroom | Floor | | Intact | Tile | -0.3 | QM |
| 40 | Bathroom | Vent Cover | | Intact | Metal | 0 | QM |
| 41 | Bathroom | Door | | Intact | Wood | -0.1 | QM |
| 42 | Bathroom | Door | Casing | Intact | Metal | -0.1 | QM |
| 43 | Bathroom | Medicine Cab. | | Intact | Metal | 0.1 | QM |
| 44 | Living Room | Electric Box | | Intact | Metal | -0.2 | QM |
| 45 | Calibrate | | | | | 0.9 | TC |
| 46 | Calibrate | | | | | 0.9 | TC |
| 47 | Calibrate | | | | | 0.9 | TC |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Inspection Da | 9/26/2007 | | | Address: | 135 Main Street, Poughkeepsie, NY | | |
| Report Date: | 10/3/2007 | | | Apartment: | 810 | | |
| Abatement Le | 1 | | | | | | |
| Report No. | 18 | | | | | | |
| Job Start: | 912 | | | Job Stop: | 946 | | |
| | | | | | | | |
| Read No | Room | Wall/Structure | Member | Paint Cond. | Substrate | Lead mg/cm$^2$ | Mode |
| 1 | Calibrate | | | | | 0.8 | TC |
| 2 | Calibrate | | | | | 0.8 | TC |
| 3 | Calibrate | | | | | 0.8 | TC |
| 4 | Living Room | Ceiling | | Intact | Sheetrock | -0.2 | QM |
| 5 | Living Room | Wall A | | Intact | Sheetrock | -0.3 | QM |
| 6 | Living Room | Wall B | | Intact | Sheetrock | -0.4 | QM |
| 7 | Living Room | Wall C | | Intact | Sheetrock | -0.3 | QM |
| 8 | Living Room | Wall D | | Intact | Sheetrock | -0.5 | QM |
| 9 | Living Room | Closet | Door | Intact | Metal | -0.6 | QM |
| 10 | Living Room | Closet | Wall | Intact | Sheetrock | -0.3 | QM |
| 11 | Living Room | Entry Door | | Intact | Metal | -0.3 | QM |
| 12 | Living Room | Entry Door | Casing | Intact | Metal | -0.3 | QM |
| 13 | Living Room | Window | Sash | Intact | Metal | 0 | QM |
| 14 | Living Room | AC Box | | Intact | Metal | -0.6 | QM |
| 15 | Living Room | Radiator | | Intact | Metal | -0.1 | QM |
| 16 | Kitchen | Ceiling | | Intact | Sheetrock | -0.4 | QM |
| 17 | Kitchen | Wall A | | Intact | Sheetrock | -0.1 | QM |
| 18 | Kitchen | Wall B | | Intact | Sheetrock | -0.2 | QM |
| 19 | Kitchen | Wall C | | Intact | Sheetrock | -0.1 | QM |
| 20 | Kitchen | Wall D | | Intact | Sheetrock | -0.5 | QM |
| 21 | Kitchen | Vent Covering | | Intact | Metal | -0.3 | QM |
| 22 | Bedroom | Ceiling | | Intact | Sheetrock | -0.7 | QM |
| 23 | Bedroom | Wall A | | Intact | Sheetrock | -0.3 | QM |
| 24 | Bedroom | Wall B | | Intact | Sheetrock | -0.4 | QM |
| 25 | Bedroom | Wall C | | Intact | Sheetrock | 0.1 | QM |
| 26 | Bedroom | Wall D | | Intact | Sheetrock | -0.2 | QM |
| 27 | Bedroom | Closet | Door | Intact | Metal | -0.3 | QM |
| 28 | Bedroom | Door | | Intact | Wood | -0.2 | QM |
| 29 | Bedroom | Door | Casing | Intact | Metal | -0.3 | QM |
| 30 | Bedroom | AC Box | | Intact | Metal | -0.9 | QM |
| 31 | Bedroom | Radiator | | Intact | Metal | -0.3 | QM |
| 32 | Bedroom | Window | Sash | Intact | Metal | -0.3 | QM |
| 33 | Bathroom | Ceiling | | Intact | Sheetrock | -0.2 | QM |
| 34 | Bathroom | Wall A | | Intact | Sheetrock | -0.2 | QM |
| 35 | Bathroom | Wall B | | Intact | Sheetrock | -0.5 | QM |
| 36 | Bathroom | Wall C | | Intact | Sheetrock | -0.2 | QM |
| 37 | Bathroom | Wall D | | Intact | Sheetrock | -0.3 | QM |
| 38 | Bathroom | Wall C | | Intact | Tile | -0.6 | QM |
| 39 | Bathroom | Floor | | Intact | Tile | -0.3 | QM |
| 40 | Bathroom | Vent Covering | | Intact | Metal | -0.5 | QM |
| 41 | Bathroom | Door | | Intact | Wood | -0.4 | QM |
| 42 | Bathroom | Door | Casing | Intact | Metal | -0.4 | QM |
| 43 | Living Room | Circuit Breaker | Box | Intact | Metal | -0.3 | QM |
| 44 | Calibrate | | | | | 0.7 | TC |
| 45 | Calibrate | | | | | 0.9 | TC |
| 46 | Calibrate | | | | | 1 | TC |

| Inspection Dat | 9/25/2007 | | | Address: | 135 Main Street, Poughkeepsie, NY | | |
|---|---|---|---|---|---|---|---|
| Report Date: | 10/3/2007 | | | Apartment: | 906 | | |
| Abatement Lev | 1 | | | | | | |
| Report No. | 17 | | | | | | |
| Job Start: | 1224 | | | Job Stop: | 1300 | | |

| Read No | Room | Wall/Structure | Member | Paint Cond. | Substrate | Lead mg/cm$^2$ | Mode |
|---|---|---|---|---|---|---|---|
| 1 | Calibrate | | | | | 0.8 | TC |
| 2 | Calibrate | | | | | 0.9 | TC |
| 3 | Calibrate | | | | | 0.9 | TC |
| 4 | Living Room | Ceiling | | Intact | Sheetrock | -0.7 | QM |
| 5 | Living Room | Wall A | | Intact | Sheetrock | -0.2 | QM |
| 6 | Living Room | Wall B | | Intact | Sheetrock | -0.4 | QM |
| 7 | Living Room | Wall C | | Intact | Sheetrock | -0.4 | QM |
| 8 | Living Room | Wall D | | Intact | Sheetrock | -0.2 | QM |
| 9 | Living Room | Closet | Door | Intact | Metal | -0.3 | QM |
| 10 | Living Room | Closet | Wall | Intact | Sheetrock | -0.6 | QM |
| 11 | Living Room | Entry Door | | Intact | Metal | -0.4 | QM |
| 12 | Living Room | Entry Door | Casing | Intact | Metal | -0.4 | QM |
| 13 | Living Room | Window | Sash | Intact | Metal | -0.6 | QM |
| 14 | Living Room | AC Box | | Intact | Metal | -0.6 | QM |
| 15 | Living Room | Radiator | | Intact | Metal | -0.8 | QM |
| 16 | Kitchen | Ceiling | | Intact | Sheetrock | -1 | QM |
| 17 | Kitchen | Wall A | | Intact | Sheetrock | 0 | QM |
| 18 | Kitchen | Wall B | | Intact | Sheetrock | -0.4 | QM |
| 19 | Kitchen | Wall C | | Intact | Sheetrock | -0.3 | QM |
| 20 | Kitchen | Wall D | | Intact | Sheetrock | -0.2 | QM |
| 21 | Kitchen | Vent Covering | | Intact | Metal | -0.1 | QM |
| 22 | Bedroom | Ceiling | | Intact | Sheetrock | -0.2 | QM |
| 23 | Bedroom | Wall A | | Intact | Sheetrock | -0.2 | QM |
| 24 | Bedroom | Wall B | | Intact | Sheetrock | -0.3 | QM |
| 25 | Bedroom | Wall C | | Intact | Sheetrock | -0.2 | QM |
| 26 | Bedroom | Wall D | | Intact | Sheetrock | -0.3 | QM |
| 27 | Bedroom | Closet | Door | Intact | Metal | -0.3 | QM |
| 28 | Bedroom | Door | | Intact | Wood | -0.6 | QM |
| 29 | Bedroom | Door | Casing | Intact | Metal | -0.4 | QM |
| 30 | Bedroom | AC Box | | Intact | Metal | -0.1 | QM |
| 31 | Bedroom | Radiator | | Intact | Metal | -0.5 | QM |
| 32 | Bedroom | Window | Sash | Intact | Metal | -0.6 | QM |
| 33 | Bathroom | Ceiling | | Intact | Sheetrock | -0.5 | QM |
| 34 | Bathroom | Wall A | | Intact | Sheetrock | -0.2 | QM |
| 35 | Bathroom | Wall B | | Intact | Sheetrock | -0.3 | QM |
| 36 | Bathroom | Wall C | | Intact | Sheetrock | 0 | QM |
| 37 | Bathroom | Wall D | | Intact | Sheetrock | -0.4 | QM |
| 38 | Bathroom | Wall C | | Intact | Tile | -0.4 | QM |
| 39 | Bathroom | Floor | | Intact | Tile | -0.3 | QM |
| 40 | Bathroom | Vent Covering | | Intact | Metal | -0.3 | QM |
| 41 | Bathroom | Door | | Intact | Wood | -0.4 | QM |
| 42 | Bathroom | Door | Casing | Intact | Metal | -0.3 | QM |
| 43 | Bathroom | Hatch | | Intact | Metal | -0.3 | QM |
| 44 | Living Room | Circuit Breaker | Box | Intact | Metal | -0.5 | QM |
| 45 | Calibrate | | | | | 1 | TC |
| 46 | Calibrate | | | | | 1 | TC |
| 47 | Calibrate | | | | | 1 | TC |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Inspection Da | 9/25/2007 | | | Address: | 135 Main Street, Poughkeepsie, NY | | |
| Report Date: | 10/3/2007 | | | Apartment: | 907 | | |
| Abatement Le | 1 | | | | | | |
| Report No. | 16 | | | | | | |
| Job Start: | 1155 | | | Job Stop: | 1223 | | |
| | | | | | | | |
| Read No | Room | Wall/Structure | Member | Paint Cond. | Substrate | Lead mg/cm$^2$ | Mode |
| 1 | Calibrate | | | | | 0.9 | TC |
| 2 | Calibrate | | | | | 0.8 | TC |
| 3 | Calibrate | | | | | 1 | TC |
| 4 | Living Room | Ceiling | | Intact | Sheetrock | -0.3 | QM |
| 5 | Living Room | Wall A | | Intact | Sheetrock | -0.3 | QM |
| 6 | Living Room | Wall B | | Intact | Sheetrock | -0.1 | QM |
| 7 | Living Room | Wall C | | Intact | Sheetrock | -0.8 | QM |
| 8 | Living Room | Wall D | | Intact | Sheetrock | -0.2 | QM |
| 9 | Living Room | Closet | Door | Intact | Metal | -0.3 | QM |
| 10 | Living Room | Closet | Wall | Intact | Sheetrock | -0.3 | QM |
| 11 | Living Room | Entry Door | | Intact | Metal | -0.2 | QM |
| 12 | Living Room | Entry Door | Casing | Intact | Metal | -0.5 | QM |
| 13 | Living Room | Window | Sash | Intact | Metal | -0.3 | QM |
| 14 | Living Room | AC Box | | Intact | Metal | -0.3 | QM |
| 15 | Living Room | Radiator | | Intact | Metal | -0.3 | QM |
| 16 | Kitchen | Ceiling | | Intact | Sheetrock | -0.4 | QM |
| 17 | Kitchen | Wall A | | Intact | Sheetrock | -0.5 | QM |
| 18 | Kitchen | Wall B | | Intact | Sheetrock | -0.2 | QM |
| 19 | Kitchen | Wall C | | Intact | Sheetrock | -0.3 | QM |
| 20 | Kitchen | Wall D | | Intact | Sheetrock | -0.1 | QM |
| 21 | Kitchen | Vent Covering | | Intact | Metal | -0.3 | QM |
| 22 | Bedroom | Ceiling | | Intact | Sheetrock | -0.6 | QM |
| 23 | Bedroom | Wall A | | Intact | Sheetrock | -0.7 | QM |
| 24 | Bedroom | Wall B | | Intact | Sheetrock | -0.8 | QM |
| 25 | Bedroom | Wall C | | Intact | Sheetrock | -0.4 | QM |
| 26 | Bedroom | Wall D | | Intact | Sheetrock | -0.4 | QM |
| 27 | Bedroom | Closet | Door | Intact | Metal | -0.2 | QM |
| 28 | Bedroom | Door | | Intact | Wood | -0.4 | QM |
| 29 | Bedroom | Door | Casing | Intact | Metal | -0.4 | QM |
| 30 | Bedroom | AC Box | | Intact | Metal | -0.5 | QM |
| 31 | Bedroom | Radiator | | Intact | Metal | -0.3 | QM |
| 32 | Bedroom | Window | Sash | Intact | Metal | -0.1 | QM |
| 33 | Bathroom | Ceiling | | Intact | Sheetrock | -0.2 | QM |
| 34 | Bathroom | Wall A | | Intact | Sheetrock | -0.2 | QM |
| 35 | Bathroom | Wall B | | Intact | Sheetrock | -0.5 | QM |
| 36 | Bathroom | Wall C | | Intact | Sheetrock | -0.6 | QM |
| 37 | Bathroom | Wall D | | Intact | Sheetrock | -0.3 | QM |
| 38 | Bathroom | Wall C | | Intact | Tile | 1 | QM |
| 39 | Bathroom | Floor | | Intact | Tile | -0.5 | QM |
| 40 | Bathroom | Vent Covering | | Intact | Metal | -0.4 | QM |
| 41 | Bathroom | Door | | Intact | Wood | -0.4 | QM |
| 42 | Bathroom | Door | Casing | Intact | Metal | -0.4 | QM |
| 43 | Living Room | Circuit Breaker | Box | Intact | Metal | -0.3 | QM |
| 44 | Bathroom | Radiator | | Intact | Metal | -0.4 | QM |
| 45 | Calibrate | | | | | 0.9 | TC |
| 46 | Calibrate | | | | | 1 | TC |
| 47 | Calibrate | | | | | 1.1 | TC |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Inspection Da | 9/25/2007 | | | Address: | 135 Main Street, Poughkeepsie, NY | | |
| Report Date: | 9/28/2007 | | | Apartment: | 910 | | |
| Abatement Le | 1 | | | | | | |
| Report No. | 0925-1138 | | | | | | |
| Job Start: | 1138 | | | Job Stop: | 1227 | | |

| Read No | Room | Wall/Structure | Member | Paint Cond. | Substrate | Lead mg/cm$^2$ | Mode |
|---|---|---|---|---|---|---|---|
| 1 | Calibrate | | | | | 1.2 | TC |
| 2 | Calibrate | | | | | 1.1 | TC |
| 3 | Calibrate | | | | | 1.1 | TC |
| 4 | Living Room | Ceiling | | Intact | Sheetrock | -0.1 | QM |
| 5 | Living Room | Wall A | | Intact | Sheetrock | 0 | QM |
| 6 | Living Room | Wall B | | Intact | Sheetrock | 0 | QM |
| 7 | Living Room | Wall C | | Intact | Sheetrock | 0.2 | QM |
| 8 | Living Room | Wall D | | Intact | Sheetrock | -0.2 | QM |
| 9 | Living Room | Closet | Door | Intact | Metal | 0 | QM |
| 10 | Living Room | Closet | Wall | Intact | Sheetrock | 0.1 | QM |
| 11 | Living Room | Entry Door | | Intact | Metal | -0.1 | QM |
| 12 | Living Room | Entry Door | Casing | Intact | Metal | 0 | QM |
| 13 | Living Room | Window | Sash | Intact | Metal | -0.4 | QM |
| 14 | Living Room | AC Box | | Intact | Metal | -0.2 | QM |
| 15 | Living Room | Radiator | | Intact | Metal | 0.2 | QM |
| 16 | Kitchen | Ceiling | | Intact | Sheetrock | -0.1 | QM |
| 17 | Kitchen | Wall A | | Intact | Sheetrock | -0.3 | QM |
| 18 | Kitchen | Wall B | | Intact | Sheetrock | -0.5 | QM |
| 19 | Kitchen | Wall C | | Intact | Sheetrock | -0.3 | QM |
| 20 | Kitchen | Wall D | | Intact | Sheetrock | -0.2 | QM |
| 21 | Kitchen | Vent Cover | | Intact | Metal | 0.2 | QM |
| 22 | Bedroom | Ceiling | | Intact | Sheetrock | -0.2 | QM |
| 23 | Bedroom | Wall A | | Intact | Sheetrock | 0.1 | QM |
| 24 | Bedroom | Wall B | | Intact | Sheetrock | -0.1 | QM |
| 25 | Bedroom | Wall C | | Intact | Sheetrock | -0.1 | QM |
| 26 | Bedroom | Wall D | | Intact | Sheetrock | 0.1 | QM |
| 27 | Bedroom | Closet | Door | Intact | Metal | 0.1 | QM |
| 28 | Bedroom | Door | | Intact | Wood | -0.1 | QM |
| 29 | Bedroom | Door | Casing | Intact | Metal | 0.2 | QM |
| 30 | Bedroom | AC Box | | Intact | Metal | -0.1 | QM |
| 31 | Bedroom | Radiator | | Intact | Metal | 0.2 | QM |
| 32 | Bedroom | Window | Sash | Intact | Metal | -0.5 | QM |
| 33 | Bathroom | Ceiling | | Intact | Sheetrock | -0.4 | QM |
| 34 | Bathroom | Wall A | | Intact | Sheetrock | 0.1 | QM |
| 35 | Bathroom | Wall B | | Intact | Sheetrock | 0 | QM |
| 36 | Bathroom | Wall C | | Intact | Sheetrock | 0.1 | QM |
| 37 | Bathroom | Wall D | | Intact | Sheetrock | 0.1 | QM |
| 38 | Bathroom | Wall C | | Intact | Tile | -0.1 | QM |
| 39 | Bathroom | Floor | | Intact | Tile | -0.2 | QM |
| 40 | Bathroom | Vent Cover | | Intact | Metal | 0.3 | QM |
| 41 | Bathroom | Door | | Intact | Wood | 0 | QM |
| 42 | Bathroom | Door | Casing | Intact | Metal | -0.2 | QM |
| 43 | Bathroom | Medicine Cab. | | Intact | Metal | 0 | QM |
| 44 | Living Room | Electric Box | | Intact | Metal | 0 | QM |
| 45 | Calibrate | | | | | 1.1 | TC |
| 46 | Calibrate | | | | | 1 | TC |
| 47 | Calibrate | | | | | 1 | TC |

| Inspection Dat | 9/25/2007 | | | Address: | 135 Main Street, Poughkeepsie, NY | | |
|---|---|---|---|---|---|---|---|
| Report Date: | 10/3/2007 | | | Apartment: | 1003 | | |
| Abatement Lev | 1 | | | | | | |
| Report No. | 15 | | | | | | |
| Job Start: | 1128 | | | Job Stop: | 1154 | | |

| Read No | Room | Wall/Structure | Member | Paint Cond. | Substrate | Lead mg/cm$^2$ | Mode |
|---|---|---|---|---|---|---|---|
| 1 | Calibrate | | | | | 1 | TC |
| 2 | Calibrate | | | | | 0.9 | TC |
| 3 | Calibrate | | | | | 1 | TC |
| 4 | Living Room | Ceiling | | Intact | Sheetrock | -0.2 | QM |
| 5 | Living Room | Wall A | | Intact | Sheetrock | -0.3 | QM |
| 6 | Living Room | Wall B | | Intact | Sheetrock | -0.4 | QM |
| 7 | Living Room | Wall C | | Intact | Sheetrock | -0.1 | QM |
| 8 | Living Room | Wall D | | Intact | Sheetrock | -0.8 | QM |
| 9 | Living Room | Closet | Door | Intact | Metal | -0.3 | QM |
| 10 | Living Room | Closet | Wall | Intact | Sheetrock | -0.1 | QM |
| 11 | Living Room | Entry Door | | Intact | Metal | -0.1 | QM |
| 12 | Living Room | Entry Door | Casing | Intact | Metal | -0.2 | QM |
| 13 | Living Room | Window | Sash | Intact | Metal | -0.3 | QM |
| 14 | Living Room | AC Box | | Intact | Metal | -0.5 | QM |
| 15 | Living Room | Radiator | | Intact | Metal | -0.2 | QM |
| 16 | Kitchen | Ceiling | | Intact | Sheetrock | -0.7 | QM |
| 17 | Kitchen | Wall A | | Intact | Sheetrock | -0.6 | QM |
| 18 | Kitchen | Wall B | | Intact | Sheetrock | -0.4 | QM |
| 19 | Kitchen | Wall C | | Intact | Sheetrock | -0.4 | QM |
| 20 | Kitchen | Wall D | | Intact | Sheetrock | -0.3 | QM |
| 21 | Kitchen | Vent Covering | | Intact | Metal | -0.4 | QM |
| 22 | Bedroom | Ceiling | | Intact | Sheetrock | -0.3 | QM |
| 23 | Bedroom | Wall A | | Intact | Sheetrock | -0.2 | QM |
| 24 | Bedroom | Wall B | | Intact | Sheetrock | -0.2 | QM |
| 25 | Bedroom | Wall C | | Intact | Sheetrock | -0.5 | QM |
| 26 | Bedroom | Wall D | | Intact | Sheetrock | -0.4 | QM |
| 27 | Bedroom | Closet | Door | Intact | Metal | -0.1 | QM |
| 28 | Bedroom | Door | | Intact | Wood | -0.5 | QM |
| 29 | Bedroom | Door | Casing | Intact | Metal | -0.3 | QM |
| 30 | Bedroom | AC Box | | Intact | Metal | -0.3 | QM |
| 31 | Bedroom | Radiator | | Intact | Metal | -0.6 | QM |
| 32 | Bedroom | Window | Sash | Intact | Metal | -0.4 | QM |
| 33 | Bathroom | Ceiling | | Intact | Sheetrock | -0.4 | QM |
| 34 | Bathroom | Wall A | | Intact | Sheetrock | -0.1 | QM |
| 35 | Bathroom | Wall B | | Intact | Sheetrock | -0.2 | QM |
| 36 | Bathroom | Wall C | | Intact | Sheetrock | -0.2 | QM |
| 37 | Bathroom | Wall D | | Intact | Sheetrock | -0.4 | QM |
| 38 | Bathroom | Wall C | | Intact | Tile | 1.7 | QM |
| 39 | Bathroom | Floor | | Intact | Tile | -0.4 | QM |
| 40 | Bathroom | Vent Covering | | Intact | Metal | -0.3 | QM |
| 41 | Bathroom | Door | | Intact | Wood | -0.3 | QM |
| 42 | Bathroom | Door | Casing | Intact | Metal | -0.6 | QM |
| 43 | Bathroom | Radiator | | Intact | Metal | -0.2 | QM |
| 44 | Living Room | Circuit Breaker | Box | Intact | Metal | -0.4 | QM |
| 45 | Calibrate | | | | | 1 | TC |
| 46 | Calibrate | | | | | 1 | TC |
| | Calibrate | | | | | 0.9 | TC |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Inspection Da | 9/25/2007 | | | Address: | 135 Main Street, Poughkeepsie, NY | | |
| Report Date: | 10/3/2007 | | | Apartment: | 1010 | | |
| Abatement Le | 1 | | | | | | |
| Report No. | 14 | | | | | | |
| Job Start: | 1103 | | | Job Stop: | 1128 | | |

| Read No | Room | Wall/Structure | Member | Paint Cond. | Substrate | Lead mg/cm$^2$ | Mode |
|---|---|---|---|---|---|---|---|
| 1 | Calibrate | | | | | 1 | TC |
| 2 | Calibrate | | | | | 1.1 | TC |
| 3 | Calibrate | | | | | 1 | TC |
| 4 | Living Room | Ceiling | | Intact | Sheetrock | -0.5 | QM |
| 5 | Living Room | Wall A | | Intact | Sheetrock | -0.2 | QM |
| 6 | Living Room | Wall B | | Intact | Sheetrock | -0.3 | QM |
| 7 | Living Room | Wall C | | Intact | Sheetrock | -0.3 | QM |
| 8 | Living Room | Wall D | | Intact | Sheetrock | -0.2 | QM |
| 9 | Living Room | Closet | Door | Intact | Metal | -0.5 | QM |
| 10 | Living Room | Closet | Wall | Intact | Sheetrock | 0 | QM |
| 11 | Living Room | Entry Door | | Intact | Metal | -0.6 | QM |
| 12 | Living Room | Entry Door | Casing | Intact | Metal | -0.6 | QM |
| 13 | Living Room | Window | Sash | Intact | Metal | -0.7 | QM |
| 14 | Living Room | AC Box | | Intact | Metal | -0.5 | QM |
| 15 | Living Room | Radiator | | Intact | Metal | -0.2 | QM |
| 16 | Kitchen | Ceiling | | Intact | Sheetrock | -0.2 | QM |
| 17 | Kitchen | Wall A | | Intact | Sheetrock | -0.2 | QM |
| 18 | Kitchen | Wall B | | Intact | Sheetrock | -0.4 | QM |
| 19 | Kitchen | Wall C | | Intact | Sheetrock | -0.2 | QM |
| 20 | Kitchen | Wall D | | Intact | Sheetrock | -0.2 | QM |
| 21 | Kitchen | Vent Covering | | Intact | Metal | -0.1 | QM |
| 22 | Bedroom | Ceiling | | Intact | Sheetrock | -0.3 | QM |
| 23 | Bedroom | Wall A | | Intact | Sheetrock | -0.3 | QM |
| 24 | Bedroom | Wall B | | Intact | Sheetrock | -0.2 | QM |
| 25 | Bedroom | Wall C | | Intact | Sheetrock | -0.3 | QM |
| 26 | Bedroom | Wall D | | Intact | Sheetrock | -0.2 | QM |
| 27 | Bedroom | Closet | Door | Intact | Metal | -0.6 | QM |
| 28 | Bedroom | Door | | Intact | Wood | -0.8 | QM |
| 29 | Bedroom | Door | Casing | Intact | Metal | -0.4 | QM |
| 30 | Bedroom | AC Box | | Intact | Metal | -0.2 | QM |
| 31 | Bedroom | Radiator | | Intact | Metal | -0.6 | QM |
| 32 | Bedroom | Window | Sash | Intact | Metal | -0.5 | QM |
| 33 | Bathroom | Ceiling | | Intact | Sheetrock | -0.4 | QM |
| 34 | Bathroom | Wall A | | Intact | Sheetrock | -0.4 | QM |
| 35 | Bathroom | Wall B | | Intact | Sheetrock | -0.3 | QM |
| 36 | Bathroom | Wall C | | Intact | Sheetrock | -0.4 | QM |
| 37 | Bathroom | Wall D | | Intact | Sheetrock | -0.7 | QM |
| 38 | Bathroom | Wall C | | Intact | Tile | 1 | QM |
| 39 | Bathroom | Floor | | Intact | Tile | -0.3 | QM |
| 40 | Bathroom | Vent Covering | | Intact | Metal | -0.2 | QM |
| 41 | Bathroom | Door | | Intact | Wood | -0.5 | QM |
| 42 | Bathroom | Door | Casing | Intact | Metal | -0.3 | QM |
| 43 | Living Room | Circuit Breaker | Box | Intact | Metal | -0.4 | QM |
| 44 | Calibrate | | | | | 1 | TC |
| 45 | Calibrate | | | | | 0.9 | TC |
| 46 | Calibrate | | | | | 0.9 | TC |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Inspection Da | 9/25/2007 | | | Address: | 135 Main Street, Poughkeepsie, NY | | |
| Report Date: | 9/28/2007 | | | Apartment: | 1105 | | |
| Abatement Le | 1 | | | | | | |
| Report No. | 0925-1102 | | | | | | |
| Job Start: | 1102 | | | Job Stop: | 1137 | | |

| Read No | Room | Wall/Structure | Member | Paint Cond. | Substrate | Lead mg/cm$^2$ | Mode |
|---|---|---|---|---|---|---|---|
| 1 | Calibrate | | | | | 1.1 | TC |
| 2 | Calibrate | | | | | 1.1 | TC |
| 3 | Calibrate | | | | | 1.1 | TC |
| 4 | Living Room | Ceiling | | Intact | Sheetrock | -0.2 | QM |
| 5 | Living Room | Wall A | | Intact | Sheetrock | -0.2 | QM |
| 6 | Living Room | Wall B | | Intact | Sheetrock | 0.1 | QM |
| 7 | Living Room | Wall C | | Intact | Sheetrock | 0 | QM |
| 8 | Living Room | Wall D | | Intact | Sheetrock | -0.4 | QM |
| 9 | Living Room | Closet | Door | Intact | Metal | -0.1 | QM |
| 10 | Living Room | Closet | Wall | Intact | Sheetrock | 0 | QM |
| 11 | Living Room | Entry Door | | Intact | Metal | 0 | QM |
| 12 | Living Room | Entry Door | Casing | Intact | Metal | 0 | QM |
| 13 | Living Room | Window | Sash | Intact | Metal | -0.5 | QM |
| 14 | Living Room | AC Box | | Intact | Metal | -0.7 | QM |
| 15 | Living Room | Radiator | | Intact | Metal | -0.1 | QM |
| 16 | Kitchen | Ceiling | | Intact | Sheetrock | -0.1 | QM |
| 17 | Kitchen | Wall A | | Intact | Sheetrock | -0.5 | QM |
| 18 | Kitchen | Wall B | | Intact | Sheetrock | 0 | QM |
| 19 | Kitchen | Wall C | | Intact | Sheetrock | 0.1 | QM |
| 20 | Kitchen | Wall D | | Intact | Sheetrock | 0.1 | QM |
| 21 | Kitchen | Vent Cover | | Intact | Metal | 0.1 | QM |
| 22 | Bedroom | Ceiling | | Intact | Sheetrock | 0.1 | QM |
| 23 | Bedroom | Wall A | | Intact | Sheetrock | 0 | QM |
| 24 | Bedroom | Wall B | | Intact | Sheetrock | 0 | QM |
| 25 | Bedroom | Wall C | | Intact | Sheetrock | 0 | QM |
| 26 | Bedroom | Wall D | | Intact | Sheetrock | 0 | QM |
| 27 | Bedroom | Closet | Door | Intact | Metal | -0.1 | QM |
| 28 | Bedroom | Door | | Intact | Wood | -0.2 | QM |
| 29 | Bedroom | Door | Casing | Intact | Metal | -0.1 | QM |
| 30 | Bedroom | AC Box | | Intact | Metal | 0.3 | QM |
| 31 | Bedroom | Radiator | | Intact | Metal | -0.1 | QM |
| 32 | Bedroom | Window | Sash | Intact | Metal | -0.8 | QM |
| 33 | Bathroom | Ceiling | | Intact | Sheetrock | -0.2 | QM |
| 34 | Bathroom | Wall A | | Intact | Sheetrock | 0 | QM |
| 35 | Bathroom | Wall B | | Intact | Sheetrock | 0 | QM |
| 36 | Bathroom | Wall C | | Intact | Sheetrock | -0.1 | QM |
| 37 | Bathroom | Wall D | | Intact | Sheetrock | 0 | QM |
| 38 | Bathroom | Wall C | | Intact | Tile | -0.1 | QM |
| 39 | Bathroom | Floor | | Intact | Tile | 0 | QM |
| 40 | Bathroom | Vent Cover | | Intact | Metal | 0.1 | QM |
| 41 | Bathroom | Door | | Intact | Wood | -0.2 | QM |
| 42 | Bathroom | Door | Casing | Intact | Metal | 0.1 | QM |
| 43 | Bathroom | Medicine Cab. | | Intact | Metal | 0.3 | QM |
| 44 | Living Room | Electric Box | | Intact | Metal | 0.1 | QM |
| 45 | Calibrate | | | | | 1.2 | TC |
| 46 | Calibrate | | | | | 1.1 | TC |
| 47 | Calibrate | | | | | 1.1 | TC |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Inspection Da | 9/25/2007 | | | Address: | 135 Main Street, Poughkeepsie, NY | | |
| Report Date: | 10/3/2007 | | | Apartment: | 1107 | | |
| Abatement Le | 1 | | | | | | |
| Report No. | 13 | | | | | | |
| Job Start: | 1033 | | | Job Stop: | 1102 | | |
| | | | | | | | |
| Read No | Room | Wall/Structure | Member | Paint Cond. | Substrate | Lead mg/cm$^2$ | Mode |
| 1 | Calibrate | | | | | 1 | TC |
| 2 | Calibrate | | | | | 0.9 | TC |
| 3 | Calibrate | | | | | 1 | TC |
| 4 | Living Room | Ceiling | | Intact | Sheetrock | -0.5 | QM |
| 5 | Living Room | Wall A | | Intact | Sheetrock | -0.2 | QM |
| 6 | Living Room | Wall B | | Intact | Sheetrock | -0.7 | QM |
| 7 | Living Room | Wall C | | Intact | Sheetrock | -0.1 | QM |
| 8 | Living Room | Wall D | | Intact | Sheetrock | -0.4 | QM |
| 9 | Living Room | Closet | Door | Intact | Metal | -0.2 | QM |
| 10 | Living Room | Closet | Wall | Intact | Sheetrock | -0.4 | QM |
| 11 | Living Room | Entry Door | | Intact | Metal | -0.6 | QM |
| 12 | Living Room | Entry Door | Casing | Intact | Metal | -0.4 | QM |
| 13 | Living Room | Window | Sash | Intact | Metal | -0.3 | QM |
| 14 | Living Room | AC Box | | Intact | Metal | -1 | QM |
| 15 | Living Room | Radiator | | Intact | Metal | -0.3 | QM |
| 16 | Kitchen | Ceiling | | Intact | Sheetrock | -0.2 | QM |
| 17 | Kitchen | Wall A | | Intact | Sheetrock | -0.3 | QM |
| 18 | Kitchen | Wall B | | Intact | Sheetrock | -0.1 | QM |
| 19 | Kitchen | Wall C | | Intact | Sheetrock | -0.3 | QM |
| 20 | Kitchen | Wall D | | Intact | Sheetrock | -0.1 | QM |
| 21 | Kitchen | Vent Covering | | Intact | Metal | -0.2 | QM |
| 22 | Bedroom | Ceiling | | Intact | Sheetrock | -0.2 | QM |
| 23 | Bedroom | Wall A | | Intact | Sheetrock | -0.3 | QM |
| 24 | Bedroom | Wall B | | Intact | Sheetrock | -0.3 | QM |
| 25 | Bedroom | Wall C | | Intact | Sheetrock | -0.2 | QM |
| 26 | Bedroom | Wall D | | Intact | Sheetrock | -0.3 | QM |
| 27 | Bedroom | Closet | Door | Intact | Metal | -0.2 | QM |
| 28 | Bedroom | Door | | Intact | Wood | -0.2 | QM |
| 29 | Bedroom | Door | Casing | Intact | Metal | -0.3 | QM |
| 30 | Bedroom | AC Box | | Intact | Metal | -0.4 | QM |
| 31 | Bedroom | Radiator | | Intact | Metal | -0.3 | QM |
| 32 | Bedroom | Window | Sash | Intact | Metal | -0.4 | QM |
| 33 | Bathroom | Ceiling | | Intact | Sheetrock | -0.2 | QM |
| 34 | Bathroom | Wall A | | Intact | Sheetrock | 0 | QM |
| 35 | Bathroom | Wall B | | Intact | Sheetrock | -0.4 | QM |
| 36 | Bathroom | Wall C | | Intact | Sheetrock | -0.3 | QM |
| 37 | Bathroom | Wall D | | Intact | Sheetrock | -0.4 | QM |
| 38 | Bathroom | Wall C | | Intact | Tile | -0.3 | QM |
| 39 | Bathroom | Floor | | Intact | Tile | -0.5 | QM |
| 40 | Bathroom | Vent Covering | | Intact | Metal | -0.4 | QM |
| 41 | Bathroom | Door | | Intact | Wood | -0.7 | QM |
| 42 | Bathroom | Door | Casing | Intact | Metal | -0.3 | QM |
| 43 | Bathroom | Radiator | | Intact | Metal | -0.3 | QM |
| 44 | Living Room | Circuit Breaker | Box | Intact | Metal | -0.7 | QM |
| 45 | Calibrate | | | | | 0.9 | TC |
| 46 | Calibrate | | | | | 1 | TC |
| 47 | Calibrate | | | | | 1 | TC |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Inspection Da | 9/25/2007 | | | Address: | 135 Main Street, Poughkeepsie, NY | | |
| Report Date: | 10/3/2007 | | | Apartment: | 1204 | | |
| Abatement Le | 1 | | | | | | |
| Report No. | 12 | | | | | | |
| Job Start: | 1006 | | | Job Stop: | 1032 | | |
| | | | | | | | |
| Read No | Room | Wall/Structure | Member | Paint Cond. | Substrate | Lead mg/cm$^2$ | Mode |
| 1 | Calibrate | | | | | 0.9 | TC |
| 2 | Calibrate | | | | | 1 | TC |
| 3 | Calibrate | | | | | 0.9 | TC |
| 4 | Living Room | Ceiling | | Intact | Sheetrock | -0.3 | QM |
| 5 | Living Room | Wall A | | Intact | Sheetrock | -0.4 | QM |
| 6 | Living Room | Wall B | | Intact | Sheetrock | -0.3 | QM |
| 7 | Living Room | Wall C | | Intact | Sheetrock | -0.3 | QM |
| 8 | Living Room | Wall D | | Intact | Sheetrock | -0.3 | QM |
| 9 | Living Room | Closet | Door | Intact | Metal | -0.4 | QM |
| 10 | Living Room | Closet | Wall | Intact | Sheetrock | -0.2 | QM |
| 11 | Living Room | Entry Door | | Intact | Metal | -0.2 | QM |
| 12 | Living Room | Entry Door | Casing | Intact | Metal | -0.2 | QM |
| 13 | Living Room | Window | Sash | Intact | Metal | -0.8 | QM |
| 14 | Living Room | AC Box | | Intact | Metal | -0.4 | QM |
| 15 | Living Room | Radiator | | Intact | Metal | -0.5 | QM |
| 16 | Kitchen | Ceiling | | Intact | Sheetrock | -0.2 | QM |
| 17 | Kitchen | Wall A | | Intact | Sheetrock | -0.4 | QM |
| 18 | Kitchen | Wall B | | Intact | Sheetrock | -0.3 | QM |
| 19 | Kitchen | Wall C | | Intact | Sheetrock | 0 | QM |
| 20 | Kitchen | Wall D | | Intact | Sheetrock | -0.6 | QM |
| 21 | Kitchen | Vent Covering | | Intact | Metal | -0.3 | QM |
| 22 | Bedroom | Ceiling | | Intact | Sheetrock | -0.2 | QM |
| 23 | Bedroom | Wall A | | Intact | Sheetrock | -0.3 | QM |
| 24 | Bedroom | Wall B | | Intact | Sheetrock | -0.2 | QM |
| 25 | Bedroom | Wall C | | Intact | Sheetrock | -0.5 | QM |
| 26 | Bedroom | Wall D | | Intact | Sheetrock | -0.2 | QM |
| 27 | Bedroom | Closet | Door | Intact | Metal | -0.4 | QM |
| 28 | Bedroom | Door | | Intact | Wood | -0.6 | QM |
| 29 | Bedroom | Door | Casing | Intact | Metal | -0.3 | QM |
| 30 | Bedroom | AC Box | | Intact | Metal | -0.4 | QM |
| 31 | Bedroom | Radiator | | Intact | Metal | -0.5 | QM |
| 32 | Bedroom | Window | Sash | Intact | Metal | -0.4 | QM |
| 33 | Bathroom | Ceiling | | Intact | Sheetrock | -0.9 | QM |
| 34 | Bathroom | Wall A | | Intact | Sheetrock | -0.5 | QM |
| 35 | Bathroom | Wall B | | Intact | Sheetrock | -0.3 | QM |
| 36 | Bathroom | Wall C | | Intact | Sheetrock | -0.3 | QM |
| 37 | Bathroom | Wall D | | Intact | Sheetrock | -0.7 | QM |
| 38 | Bathroom | Wall C | | Intact | Tile | -0.9 | QM |
| 39 | Bathroom | Floor | | Intact | Tile | -0.5 | QM |
| 40 | Bathroom | Vent Covering | | Intact | Metal | -0.3 | QM |
| 41 | Bathroom | Door | | Intact | Wood | -0.4 | QM |
| 42 | Bathroom | Door | Casing | Intact | Metal | -0.4 | QM |
| 43 | Calibrate | | | | | 0.9 | QM |
| 44 | Calibrate | | | | | 0.9 | TC |
| 45 | Calibrate | | | | | 0.8 | TC |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Inspection Da | 9/25/2007 | | | Address: | 135 Main Street, Poughkeepsie, NY | | |
| Report Date: | 9/28/2007 | | | Apartment: | 1209 | | |
| Abatement Le | 1 | | | | | | |
| Report No. | 0925-1039 | | | | | | |
| Job Start: | 1039 | | | Job Stop: | 1101 | | |

| Read No | Room | Wall/Structure | Member | Paint Cond. | Substrate | Lead mg/cm$^2$ | Mode |
|---|---|---|---|---|---|---|---|
| 1 | Calibrate | | | | | 0.9 | TC |
| 2 | Calibrate | | | | | 0.9 | TC |
| 3 | Calibrate | | | | | 0.8 | TC |
| 4 | Living Room | Ceiling | | Intact | Sheetrock | -0.3 | QM |
| 5 | Living Room | Wall A | | Intact | Sheetrock | -0.3 | QM |
| 6 | Living Room | Wall B | | Intact | Sheetrock | 0 | QM |
| 7 | Living Room | Wall C | | Intact | Sheetrock | -0.2 | QM |
| 8 | Living Room | Wall D | | Intact | Sheetrock | -0.7 | QM |
| 9 | Living Room | Closet | Door | Intact | Metal | -0.2 | QM |
| 10 | Living Room | Closet | Wall | Intact | Sheetrock | 0 | QM |
| 11 | Living Room | Entry Door | | Intact | Metal | -0.1 | QM |
| 12 | Living Room | Entry Door | Casing | Intact | Metal | 0.2 | QM |
| 13 | Living Room | Window | Sash | Intact | Metal | -0.6 | QM |
| 14 | Living Room | AC Box | | Intact | Metal | -0.7 | QM |
| 15 | Living Room | Radiator | | Intact | Metal | -0.1 | QM |
| 16 | Kitchen | Ceiling | | Intact | Sheetrock | -0.4 | QM |
| 17 | Kitchen | Wall A | | Intact | Sheetrock | -0.2 | QM |
| 18 | Kitchen | Wall B | | Intact | Sheetrock | -0.1 | QM |
| 19 | Kitchen | Wall C | | Intact | Sheetrock | -0.2 | QM |
| 20 | Kitchen | Wall D | | Intact | Sheetrock | -0.3 | QM |
| 21 | Kitchen | Vent Cover | | Intact | Metal | 0 | QM |
| 22 | Bedroom | Ceiling | | Intact | Sheetrock | -0.3 | QM |
| 23 | Bedroom | Wall A | | Intact | Sheetrock | 0 | QM |
| 24 | Bedroom | Wall B | | Intact | Sheetrock | -0.2 | QM |
| 25 | Bedroom | Wall C | | Intact | Sheetrock | -0.1 | QM |
| 26 | Bedroom | Wall D | | Intact | Sheetrock | 0 | QM |
| 27 | Bedroom | Closet | Door | Intact | Metal | -0.1 | QM |
| 28 | Bedroom | Door | | Intact | Wood | -0.3 | QM |
| 29 | Bedroom | Door | Casing | Intact | Metal | 0.2 | QM |
| 30 | Bedroom | AC Box | | Intact | Metal | 0.1 | QM |
| 31 | Bedroom | Radiator | | Intact | Metal | -0.1 | QM |
| 32 | Bedroom | Window | Sash | Intact | Metal | 0 | QM |
| 33 | Bathroom | Ceiling | | Intact | Sheetrock | -0.2 | QM |
| 34 | Bathroom | Wall A | | Intact | Sheetrock | -0.2 | QM |
| 35 | Bathroom | Wall B | | Intact | Sheetrock | -0.1 | QM |
| 36 | Bathroom | Wall C | | Intact | Sheetrock | 0 | QM |
| 37 | Bathroom | Wall D | | Intact | Sheetrock | -0.2 | QM |
| 38 | Bathroom | Wall C | | Intact | Tile | -0.4 | QM |
| 39 | Bathroom | Floor | | Intact | Tile | -0.3 | QM |
| 40 | Bathroom | Vent Cover | | Intact | Metal | 0 | QM |
| 41 | Bathroom | Door | | Intact | Wood | -0.2 | QM |
| 42 | Bathroom | Door | Casing | Intact | Metal | 0 | QM |
| 43 | Bathroom | Medicine Cab. | | Intact | Metal | 0.2 | QM |
| 44 | Bathroom | Ceiling Panel | | Intact | Metal | -0.1 | QM |
| 45 | Living Room | Electric Box | | Intact | Metal | 0.1 | QM |
| 46 | Calibrate | | | | | 1 | TC |
| 47 | Calibrate | | | | | 1.1 | TC |
| 48 | Calibrate | | | | | 0.9 | TC |

Environmental Health Investigations, Inc.

655 West Shore Trail
Sparta, New Jersey 07871

Phone/Fax: 973-729-5649
www.ehi-inc.com

May 30, 2007

Ms. Courtney Reed
Admiral Halsey, LP
C/o Omni New York, LLC
884 Second Avenue
31st Floor, Suite C
New York, NY 10017

Re: Asbestos Inspection
Admiral Halsey Senior Housing
Poughkeepsie, NY

Dear Ms. Reed,

Attached is our report relevant to the asbestos inspection conducted at the above referenced location.

We will be forwarding you the Asbestos Operations & Maintenance Plan under separate cover.

Please let me know if you have any questions.

Very truly yours,

John A. Sekelsky
Senior Project Manager

Environmental Health Investigations, Inc.

655 West Shore Trail
Sparta, New Jersey 07871

Phone/Fax: 973-729-5649
www.ehi-inc.com

# REPORT OF FINDINGS

**Asbestos Inspection Survey**

**Admiral Halsey Senior Housing Complex**
**135 Main Street**
**Poughkeepsie, NY**

**On Behalf Of:**

**Admiral Halsey, LP**
**C/O Omni New York, LLC**
**884 Second Avenue**
**31st Floor, Suite C**
**New York, NY 10017**

**Alliant Credit Facility, Ltd ISAOA**
**Alliant Credit Facility, ALP, LLC ISAOA**
**1600 Oxnard Street, Suite 1200**
**Woodland Hills, CA 91367**

**Citigroup**
**Citibank Community Development**
**One Court Square**
**45 Floor, Zone 12**
**Long Island City, NY 11120**

**New York State Housing Finance Agency**
**641 Lexington Avenue, 4th Floor**
**New York, NY 10022**

**Survey Conducted: May 16 & 17, 2007**
**Report Dated: May 30, 2007**

**EHI Project #: 0561-1998**

## 1.0 Introduction

Environmental Health Investigations, Inc. (EHI) was retained by Omni New York, LLC to conduct an asbestos inspection of the Admiral Halsey Senior Housing Complex located at 135 Main Street, Poughkeepsie, New York. This survey was conducted on the days of May 16 and 17, 2007 by Mr. John Sekelsky and Mr. Jean Paul von Doehren of EHI both of whom are certified New York State Inspectors.

## 2.0 Observations & Methods

The Admiral Halsey Senior Housing Complex located at 135 Main Street consists of thirteen floors with approximately ten apartments on each floor and penthouse areas. EHI conducted a walkthrough of this premises and identified materials which could potentially contain asbestos. Samples of these suspect materials were collected and submitted to EMSL Analytical Laboratories, Inc., New York, NY for analysis.

This survey was non-intrusive in that it was limited to inspection of common areas and a number of unoccupied apartments. No attempts were made to discover and open any walls in which pipes may exist. Those pipes that were inspected were either uninsulated or insulated with fiberglass. However, the pipeline elbows/fittings on those lines insulated with fiberglass were covered with a suspect cementitious insulation. The roofing materials associated with this building were not sampled. The building operations manager informed EHI that the roof is relatively new and was tested in the past and shown not to contain asbestos. However, no documentation verifying these results was offered. Therefore, the roofing materials are assumed to contain asbestos in this report. The doors of the apartments and stairways on the occupied

floors are labeled by the Underwriter Laboratories Company and are described as being hollow. One door for the electrical room on the first floor allowed assess to a paper insulation. This materials was sampled. No other doors were opened and checked for the presence of suspect material.

Primary analysis of all samples was done via Polarized Light Microscopy. Those samples of non friable organically bound, e.g., floor tiling and mastics, identified as not being asbestos containing by Polarized Light Microscopy were also analyzed by Transmission Electron Microscopy (TEM). The survey was conducted in the manner described in 40 CFR Par 763 Subpart E and New York State Regulations.

## 3.0 Results

A summary of the results for the collected and analyzed samples is provided in the table below:

| Sample # | Type of Material | Location | Asbestos Regulated YES or No |
|---|---|---|---|
| AHS-051607-1 | Sheetrock w/ Spackle | Penthouse - Electrical Switch Room | No |
| AHS-051607-1A | Sheetrock w/ Spackle | In Ceiling Plenum - Hallway Outside Apt 1201 - 12th Floor | No |
| AHS-051607-1B | Sheetrock w/ Spackle | In Ceiling Plenum - Hallway Outside Apt 1102 - 11th Floor | No |
| AHS-051607-1C | Sheetrock w/ Spackle | Ceiling Plenum - Top of Column - Day Room - Ground Floor | No |
| AHS-051707-1D | Sheetrock w/ Spackle | Ceiling Plenum - Top of Column - Main Corridor - Ground Floor | No |
| AHS-051607-2 | Sheetrock Ceiling Tile | Penthouse Top of Stairway - At Door to Roof - Outside Storeroom | No |

| Sample # | Type of Material | Location | Asbestos Regulated YES or No |
|---|---|---|---|
| AHS-051607-2A | Sheetrock Ceiling Tile | Penthouse Top of West Stairway - At Door to Roof | No |
| AHS-051707-2B | Sheetrock Ceiling Tile | Garage Compactor Room - Ground Floor | No |
| AHS-051607-3 | 1'x1' Floor Tiling - Tan w/ Brown Streak & Mastic | Refuse Chute Room - 12th Floor | **Tile=YES Mastic=YES** |
| AHS-051607-3A | 1'x1' Floor Tiling - Tan w/ Brown Streaks & Mastic | Refuse Chute Room - 3rd Floor | **Tile=YES Mastic=YES** |
| AHS-051607-3B | 1'x1' Floor Tiling - Tan w/ Brown Streak & Mastic | Refuse Chute Room - 2nd Floor | **Tile=YES Mastic=YES** |
| AHS-051607-4 | Mastic Associated with Wall Cove Molding | Refuse Chute Room - 12th Floor | No |
| AHS-051607-4A | Mastic Associated with Wall Cove Molding | Wall in Stairway - 10th Floor | **No** |
| AHS-051607-4B | Mastic Associated with Wall Cove Molding | 6th Floor Hallway - By Elevators | No |
| AHS-051607-5 | Window Caulking | Old Caulking - Under Window Ledge - Outside Window Apt. 1103 - 11th Floor | No |
| AHS-051607-5A | Window Caulking | Old Caulking - Under Window Ledge - Outside Window Apt. 601 - 6th Floor | No |
| AHS-051607-5B | Window Caulking | Old Caulking - Under Window Ledge - Outside Window Apt. 310 - 3rd Floor | No |
| AHS-051607-5C | Window Caulking | Outside Front of Building - Window for Office | No |
| AHS-051607-6 | Caulking | East Stairway - 4th Floor - Between Stairs and Wall | No |
| AHS-051607-6A | Caulking | West Stairway - 4th Floor - Between Stairs and Wall | No |

| Sample # | Type of Material | Location | Asbestos Regulated YES or No |
|---|---|---|---|
| AHS-051607-7 | Caulking/Insulation | Inside Conduit Sleeve for Telephone Lines in Floor - Refuse Chute Closet - 2nd Floor | YES |
| AHS-051607-7A | Caulking/Insulation | Inside Conduit Sleeve for Telephone Lines in Floor - Refuse Chute Closet - 6th Floor | YES |
| AHS-051607-7B | Caulking/Insulation | Inside Conduit Sleeve for Telephone Lines in Floor - Refuse Chute Closet - 1st Floor | YES |
| AHS-051607-8 | Fireproofing | Structural Beam Inside Elevator Shaft | No |
| AHS-051607-8A | Fireproofing | Structural Beam Inside Elevator Shaft | No |
| AHS-051607-8B | Fireproofing | Structural Beam Inside Elevator Shaft | No |
| AHS-051607-9 | 1'x1' Floor Tiling - White w/ Grey Streaks | Inside Day Room Kitchen - Ground Floor | No |
| AHS-051607-10 | 4'x2' Ceiling Tile - Off-White w/ Pinholes | Inside Day Room - Ground Floor | No |
| AHS-051607-10A | 4'x2' Ceiling Tile - Off-White w/ Pinholes | Inside Day Room Kitchen - Ground Floor | No |
| AHS-051607-10B | 4'x2' Ceiling Tile - Off-White w/ Pinholes | Inside Day Room - Ground Floor | No |
| AHS-051607-11 | 4'x2' Ceiling Tile - White w/ Pinholes | Inside Day Room - Ground Floor | No |
| AHS-051607-11A | 4'x2' Ceiling Tile - White w/ Pinholes | Inside Day Room - Ground Floor | No |
| AHS-051607-11B | 4'x2' Ceiling Tile - White w/ Pinholes | Inside Day Room - Ground Floor | No |
| AHS-051707-12 | Fireproofing | Structural Beam Inside Day Room MER/Fan Room - Ground Floor | No |
| AHS-051707-12A | Fireproofing | Electrical Meter Room - Ground Floor | No |

| Sample # | Type of Material | Location | Asbestos Regulated YES or No |
|---|---|---|---|
| AHS-051707-12B | Fireproofing | Maintenance Garage - Ground Floor | No |
| AHS-051707-13 | 4'x2' Ceiling Tile - White w/Gouges Pinholes | Main Corridor - Outside Restrooms - Ground Floor | No |
| AHS-051707-13A | 4'x2' Ceiling Tile - White w/Gouges Pinholes | Men's Restroom - Ground Floor | No |
| AHS-051707-13B | 4'x2' Ceiling Tile - White w/Gouges Pinholes | Main Corridor - Outside Elevators - Ground Floor | No |
| AHS-051707-14 | Door Insulation | Entrance to Electrical Meter Room - Ground Floor | No |
| AHS-051707-15 | Boiler Flue Insulation - Top Layer | Boiler 2 - Boiler Room - Ground Floor | No |
| AHS-051707-15A | Boiler Flue Insulation - Top Layer | Boiler 1- Boiler Room - Ground Floor | **YES** |
| AHS-051707-15B | Boiler Flue Insulation - Top Layer | Boiler 1- Boiler Room - Ground Floor | Not Analyzed |
| AHS-051707-16 | Cementitious Pipe Elbow Insulation | Boiler Room - Ground Floor | No |
| AHS-051707-16A | Cementitious Pipe Elbow Insulation | Boiler Room - Ground Floor | No |
| AHS-051707-16B | Cementitious Pipe Elbow Insulation | Boiler Room - Ground Floor | No |
| AHS-051707-16C | Cementitious Pipe Elbow Insulation | East MER/Fan Room - Ground Floor | No |
| AHS-051707-17 | Rope-like Boiler Gasket | Boiler Room - Ground Floor - Front of Boiler 1 | No |

| Sample # | Type of Material | Location | Asbestos Regulated YES or No |
|---|---|---|---|
| AHS-051707-17A | Rope-like Boiler Gasket | Boiler Room - Ground Floor - Back of Boiler 1 | YES |
| AHS-051707-17B | Rope-like Boiler Gasket | Boiler Room - Ground Floor - Front of Boiler 2 | Not Analyzed |
| AHS-051707-18 | Boiler Flue Insulation - Bottom Layer | Boiler 2 - Boiler Room - Ground Floor | No |
| AHS-051707-18A | Boiler Flue Insulation - Bottom Layer | Boiler 1- Boiler Room - Ground Floor | YES |
| AHS-051707-18B | Boiler Flue Insulation - Bottom Layer | Boiler 1- Boiler Room - Ground Floor | Not Analyzed |
| AHS-051707-19 | Sheetrock | Boiler Room Ceiling - Ground Floor | NO |
| AHS-051707-19A | Sheetrock | Boiler Room Ceiling - Ground Floor | NO |
| AHS-051707-19B | Sheetrock | Boiler Room Ceiling - Ground Floor | NO |

## 4.0 Summary of Asbestos Materials

| Material | Location | Approximate Quantity |
|---|---|---|
| Roof Membrane (Assumed) | Main Roof | 6,500 Square Feet |
| Roof Flashing (Assumed) | Main Roof | 800 Square Feet |
| Pitch Pockets (Assumed) | Main Roof | 80 Square Feet |
| Roof Membrane & Flashing (Assumed) | Day Room Roof | 800 Square Feet |
| Roof Membrane & Flashing (Assumed) | SE Corner of Building | 400 Square Feet |
| 1'x1' Floor Tiling - Tan w/ Brown Streak & Associated Mastic | Floors 1 - 12<br>Ground Floor (Assumed to Exist Under Carpeting in Main Corridor & Office) | 5,000 Square Feet per Floor<br>800 Square Feet<br>Total= 60,700 |

| Material | Location | Approximate Quantity |
|---|---|---|
| Boiler Flue Insulation | Boiler Room - Boilers 1 & 2 | 120 Square Feet |
| Rope-like Boiler Gasket | Boiler Room - Boilers 1 & 2 Front & Back | 60 Linear Feet |
| Caulking/Insulation | Telephone Conduit Floor Sleeve - Refuse Chute Closet - Floors 1 - 12 | 1 Square Foot per Floor Total=12 Square Feet |

## 5.0 Discussion

The roofing materials associated with the Admiral Halsey Senior Housing Complex are assumed to contain asbestos until samples are taken and analysis shows these materials are asbestos containing. As mentioned above this survey was conducted in a non-intrusive manner and suspect asbestos materials contained within existing doors, walls, ceiling and or floor not accessed during this survey may exist. Any suspect materials not sampled and shown not to be asbestos containing must be treated as being asbestos containing.

Those materials known or assumed to be asbestos are identified above. It is recommended that an Operations and Maintenance Plan be generated so as to inform all affected parties of the existence of these asbestos materials and standardize procedures for their maintenance and treatment. Any activities, e.g., demolition and/or renovation activities, that will or may cause the disturbance of the identified asbestos materials should be preceded by the abatement or removal of these materials by a licensed New York State abatement contractor in accordance with all applicable local, state and federal regulations.

Report By:

John A Sekelsky
Senior Project Manager

Reviewed By:

William S. Kerbel, CIH
President

# APPENDIX

# A

## PLM & TEM LABORATORY ANALYSES REPORTS

# EMSL Analytical, Inc.

307 West

Attn: **Environmental Health Investigations**
**655 West Shore Trail**
**Sparta, NJ 07871**

Fax: (973) 729-5649 Phone: (973) 729-5649

Project: **0561-1998/ OMNI/ 135 MAIN STREET/ POUGHKEEPSIE**

Customer ID: EHII50
Customer PO:
Received: 05/18/07 7:57 AM
EMSL Order: 030715929
EMSL Proj:

Report Date: 5/29/2007

# Asbestos Analysis of Bulk Material

| Sample Description | Test | Analyzed Date | Color | Non Asbestos Fibrous | Non Asbestos Non-Fibrous | Asbestos | Comments |
|---|---|---|---|---|---|---|---|
| AHS-051607-1 | **PLM NYS 198.1 Friable** | 5/22/2007 | White | 3.00% Cellulose<br>2.00% Glass | 95% | **None Detected** | |
| *030715929-0001* | **PLM NYS 198.6 NOB** | | | | N/A | | Not Analyzed |
| SHEETROCK W/ SPACKLE/ PENTHOUSE ELECTRICAL SWITCH | **TEM NYS 198.4 NOB** | | | | N/A | | Not Analyzed |
| AHS-051607-2 | **PLM NYS 198.1 Friable** | 5/22/2007 | White | 15.00% Cellulose | 85% | **None Detected** | |
| *030715929-0002* | **PLM NYS 198.6 NOB** | | | | N/A | | Not Analyzed |
| SHEETROCK CEILING TILE/ TOP OF STAIRWAL IN PENTHOU | **TEM NYS 198.4 NOB** | | | | N/A | | Not Analyzed |
| AHS-051607-2A | **PLM NYS 198.1 Friable** | 5/22/2007 | White | 14.00% Cellulose | 86% | **None Detected** | |
| *030715929-0003* | **PLM NYS 198.6 NOB** | | | | N/A | | Not Analyzed |
| SHEETROCK CEILING TILE TOP OF WEST STAIRWAY AT DOO | **TEM NYS 198.4 NOB** | | | | N/A | | Not Analyzed |
| AHS-051607-1A SHEETROCK | **PLM NYS 198.1 Friable** | 5/22/2007 | White | 12.00% Cellulose | 88% | **None Detected** | |
| *030715929-0004* | **PLM NYS 198.6 NOB** | | | | N/A | | Not Analyzed |
| SHEETROCK W/ SPACKLE/ WALL IN CEILING PLENUM ABOVE | **TEM NYS 198.4 NOB** | | | | N/A | | Not Analyzed |
| AHS-051607-1A JOINT COMPOUND | **PLM NYS 198.1 Friable** | 5/22/2007 | White | | 100% | **None Detected** | |
| *030715929-0004A* | **PLM NYS 198.6 NOB** | | | | N/A | | Not Analyzed |
| SHEETROCK W/ SPACKLE/ WALL IN CEILING PLENUM ABOVE | **TEM NYS 198.4 NOB** | | | | N/A | | Not Analyzed |
| AHS-051607-3A | **PLM NYS 198.1 Friable** | | | | | | Not Analyzed |
| *030715929-0005* | **PLM NYS 198.6 NOB** | 5/22/2007 | White | | N/A | 2.6% Chrysotile<br>**2.6% Total** | |
| 1X1 TAN FLOOR TILE W/ BROWN STREAKS & MASTIC/ REFU | **TEM NYS 198.4 NOB** | 5/22/2007 | | | N/A | **Not Analyzed** | |

NYS198-7.4

**EMSL Analytical, Inc.**

307 West

Attn: **Environmental Health Investigations**
**655 West Shore Trail**
**Sparta, NJ 07871**

Fax: (973) 729-5649 Phone: (973) 729-5649

Project: **0561-1998/ OMNI/ 135 MAIN STREET/ POUGHKEEPSIE**

Customer ID: EHII50
Customer PO:
Received: 05/18/07 7:57 AM
EMSL Order: 030715929
EMSL Proj:

Report Date: 5/29/2007

# Asbestos Analysis of Bulk Material

| Sample Description | Test | Analyzed Date | Color | Non Asbestos Fibrous | Non Asbestos Non-Fibrous | Asbestos | Comments |
|---|---|---|---|---|---|---|---|
| AHS-051607-3AM | **PLM NYS 198.1 Friable** | | | | | | Not Analyzed |
| *030715929-0005A* | **PLM NYS 198.6 NOB** | 5/22/2007 | Black | | N/A | 11.3% Chrysotile<br>**11.3% Total** | |
| 1X1 TAN FLOOR TILE W/ BROWN STREAKS & MASTIC/ REFU | **TEM NYS 198.4 NOB** | 5/22/2007 | | | N/A | **Not Analyzed** | |
| AHS-051607-4 | **PLM NYS 198.1 Friable** | | | | | | Not Analyzed |
| *030715929-0006* | **PLM NYS 198.6 NOB** | 5/22/2007 | Black | | N/A | **Inconclusive: None Detected** | |
| MASTIC ASSOCIATED W/ WALL COVE MOLDING/ REFUSE CHU | **TEM NYS 198.4 NOB** | 5/22/2007 | Black | | N/A | **None Detected** | |
| AHS-051607-1B SHEETROCK | **PLM NYS 198.1 Friable** | 5/22/2007 | White | 8.00% Cellulose | 92% | **None Detected** | |
| *030715929-0007* | **PLM NYS 198.6 NOB** | | | | N/A | | Not Analyzed |
| SHEETROCK W/ SPACKLE/ WALL IN CEILING PLENUM ABOVE | **TEM NYS 198.4 NOB** | | | | N/A | | Not Analyzed |
| AHS-051607-1B JOINT COMPOUND | **PLM NYS 198.1 Friable** | 5/22/2007 | White | | 100% | **None Detected** | |
| *030715929-0007A* | **PLM NYS 198.6 NOB** | | | | N/A | | Not Analyzed |
| SHEETROCK W/ SPACKLE/ WALL IN CEILING PLENUM ABOVE | **TEM NYS 198.4 NOB** | | | | N/A | | Not Analyzed |
| AHS-051607-5 | **PLM NYS 198.1 Friable** | | | | | | Not Analyzed |
| *030715929-0008* | **PLM NYS 198.6 NOB** | 5/22/2007 | Gray | | N/A | **Inconclusive: None Detected** | |
| WINDOW CAULKING/ OLD CAULKING UNDER WINDOW FRAME O | **TEM NYS 198.4 NOB** | 5/22/2007 | Gray | | N/A | **None Detected** | |
| AHS-051607-4A | **PLM NYS 198.1 Friable** | | | | | | Not Analyzed |
| *030715929-0009* | **PLM NYS 198.6 NOB** | 5/22/2007 | Black | | N/A | **Inconclusive: None Detected** | |
| WALL COVE MOLDING MASTIC/ WALL IN STAIRWELL 10TH F | **TEM NYS 198.4 NOB** | 5/22/2007 | Black | | N/A | **None Detected** | |
| AHS-051607-5A | **PLM NYS 198.1 Friable** | | | | | | Not Analyzed |
| *030715929-0010* | **PLM NYS 198.6 NOB** | 5/22/2007 | Gray | | N/A | **Inconclusive: None Detected** | |
| WINDOW CAULKING/ OLD CAULKING UNDER WINDOW FRAME O | **TEM NYS 198.4 NOB** | 5/22/2007 | Gray | | N/A | **None Detected** | |

NYS198-7.4

# EMSL Analytical, Inc.

307 West

Attn: **Environmental Health Investigations**
**655 West Shore Trail**
**Sparta, NJ 07871**

Fax: (973) 729-5649 Phone: (973) 729-5649


Project: **0561-1998/ OMNI/ 135 MAIN STREET/ POUGHKEEPSIE**

Customer ID: EHII50
Customer PO:
Received: 05/18/07 7:57 AM
EMSL Order: 030715929
EMSL Proj:

Report Date: 5/29/2007

## Asbestos Analysis of Bulk Material

| Sample Description | Test | Analyzed Date | Color | Non Asbestos Fibrous | Non Asbestos Non-Fibrous | Asbestos | Comments |
|---|---|---|---|---|---|---|---|
| AHS-051607-03 | **PLM NYS 198.1 Friable** | | | | | | Not Analyzed |
| *030715929-0011* | **PLM NYS 198.6 NOB** | 5/22/2007 | White | | N/A | 4.0% Chrysotile<br>**4.0% Total** | |
| 1X1 TAN FLOOR TILE W/ BROWN STREAKS & MASTIC/ REFU | **TEM NYS 198.4 NOB** | 5/22/2007 | | | N/A | **Not Analyzed** | |
| AHS-051607-03M | **PLM NYS 198.1 Friable** | | | | | | Not Analyzed |
| *030715929-0011A* | **PLM NYS 198.6 NOB** | 5/22/2007 | Black | | N/A | 6.5% Chrysotile<br>**6.5% Total** | |
| 1X1 TAN FLOOR TILE W/ BROWN STREAKS & MASTIC/ REFU | **TEM NYS 198.4 NOB** | 5/22/2007 | | | N/A | **Not Analyzed** | |
| AHS-051607-4B | **PLM NYS 198.1 Friable** | | | | | | Not Analyzed |
| *030715929-0012* | **PLM NYS 198.6 NOB** | 5/22/2007 | Black | | N/A | **Inconclusive: None Detected** | |
| WALL COVE MOLDING MASTIC/ 6TH FLOOR HALLWAY BY ELE | **TEM NYS 198.4 NOB** | 5/22/2007 | Black | | N/A | **None Detected** | |
| AHS-051607-6 | **PLM NYS 198.1 Friable** | | | | | | Not Analyzed |
| *030715929-0013* | **PLM NYS 198.6 NOB** | 5/22/2007 | White | <1% Fibrous (other) | N/A | **Inconclusive: None Detected** | |
| CAULKING/ ALONG SIDE OF STAIRWAY EAST BETWEEN | **TEM NYS 198.4 NOB** | 5/22/2007 | White | | N/A | **None Detected** | |
| AHS-051607-6A | **PLM NYS 198.1 Friable** | | | | | | Not Analyzed |
| *030715929-0014* | **PLM NYS 198.6 NOB** | 5/22/2007 | White | | N/A | Inconclusive : <1% Chrysotile<br>**<1% Total** | |
| CAULKING/ SAME AS SAMPLE 6 WEST STAIRWAY | **TEM NYS 198.4 NOB** | 5/22/2007 | White | | N/A | <1% Chrysotile<br>**<1% Total** | |
| AHS-051607-5B | **PLM NYS 198.1 Friable** | | | | | | Not Analyzed |
| *030715929-0015* | **PLM NYS 198.6 NOB** | 5/22/2007 | Gray | | N/A | **Inconclusive: None Detected** | |
| WINDOW CAULKING/ OLD CAULKING UNDER WINDOW O/S APT | **TEM NYS 198.4 NOB** | 5/22/2007 | Gray | | N/A | **None Detected** | |

NYS198-7.4

# EMSL Analytical, Inc.

307 West

Attn: **Environmental Health Investigations**
**655 West Shore Trail**
**Sparta, NJ 07871**

Fax: (973) 729-5649 Phone: (973) 729-5649


Project: **0561-1998/ OMNI/ 135 MAIN STREET/ POUGHKEEPSIE**

Customer ID: EHII50
Customer PO:
Received: 05/18/07 7:57 AM
EMSL Order: 030715929
EMSL Proj:

Report Date: 5/29/2007

## Asbestos Analysis of Bulk Material

| Sample Description | Test | Analyzed Date | Color | Non Asbestos Fibrous | Non Asbestos Non-Fibrous | Asbestos | Comments |
|---|---|---|---|---|---|---|---|
| AHS-051607-3B | **PLM NYS 198.1 Friable** | | | | | | Not Analyzed |
| *030715929-0016* | **PLM NYS 198.6 NOB** | 5/22/2007 | White | | N/A | 3.7% Chrysotile | |
| | | | | | | **3.7% Total** | |
| 1X1 TAN FLOOR TILE W/ BROWN STREAKS & MASTIC/ REFU | **TEM NYS 198.4 NOB** | 5/22/2007 | | | N/A | **Not Analyzed** | |
| AHS-051607-3BM | **PLM NYS 198.1 Friable** | | | | | | Not Analyzed |
| *030715929-0016A* | **PLM NYS 198.6 NOB** | 5/22/2007 | Black | | N/A | 7.3% Chrysotile | |
| | | | | | | **7.3% Total** | |
| 1X1 TAN FLOOR TILE W/ BROWN STREAKS & MASTIC/ REFU | **TEM NYS 198.4 NOB** | 5/22/2007 | | | N/A | **Not Analyzed** | |
| AHS-051607-7 | **PLM NYS 198.1 Friable** | | | | | | Not Analyzed |
| *030715929-0017* | **PLM NYS 198.6 NOB** | 5/22/2007 | Gray | | N/A | 24.0% Chrysotile | |
| | | | | | | **24.0% Total** | |
| CAULKING/ INSULATION/ INSIDE SLEEVE FOR ELECTRICAL | **TEM NYS 198.4 NOB** | 5/22/2007 | | | N/A | **Not Analyzed** | |
| AHS-051607-7A | **PLM NYS 198.1 Friable** | | | | | | Not Analyzed |
| *030715929-0018* | **PLM NYS 198.6 NOB** | 5/22/2007 | Gray | | N/A | 18.6% Chrysotile | |
| | | | | | | **18.6% Total** | |
| CAULKING/ INSULATION/ SAME AS SAMPLE 7 6TH FLOOR R | **TEM NYS 198.4 NOB** | 5/22/2007 | | | N/A | **Not Analyzed** | |
| AHS-051607-8 | **PLM NYS 198.1 Friable** | 5/22/2007 | Gray | 30.00% Cellulose | 70% | **None Detected** | |
| *030715929-0019* | **PLM NYS 198.6 NOB** | | | | N/A | | Not Analyzed |
| FIREPROOFING/ STRUCTURAL BEAMS INSIDE ELEVATOR SHA | **TEM NYS 198.4 NOB** | | | | N/A | | Not Analyzed |
| AHS-051607-8A | **PLM NYS 198.1 Friable** | 5/22/2007 | Gray | 30.00% Cellulose | 70% | **None Detected** | |
| *030715929-0020* | **PLM NYS 198.6 NOB** | | | | N/A | | Not Analyzed |
| FIREPROOFING/ STRUCTURAL BEAMS INSIDE ELEVATOR SHA | **TEM NYS 198.4 NOB** | | | | N/A | | Not Analyzed |

NYS198-7.4

# EMSL Analytical, Inc.

307 West

Attn: **Environmental Health Investigations**
**655 West Shore Trail**
**Sparta, NJ 07871**

Fax: (973) 729-5649 Phone: (973) 729-5649


Project: **0561-1998/ OMNI/ 135 MAIN STREET/ POUGHKEEPSIE**

Customer ID: EHII50
Customer PO:
Received: 05/18/07 7:57 AM
EMSL Order: 030715929
EMSL Proj:

Report Date: 5/29/2007

## Asbestos Analysis of Bulk Material

| Sample Description | Test | Analyzed Date | Color | Non Asbestos Fibrous | Non Asbestos Non-Fibrous | Asbestos | Comments |
|---|---|---|---|---|---|---|---|
| AHS-051607-8B<br>*030715929-0021*<br>FIREPROOFING/ STRUCTURAL BEAMS INSIDE ELEVATOR SHA | **PLM NYS 198.1 Friable** | 5/22/2007 | Gray | 35.00% Cellulose | 65% | **None Detected** | |
| | **PLM NYS 198.6 NOB** | | | | N/A | | Not Analyzed |
| | **TEM NYS 198.4 NOB** | | | | N/A | | Not Analyzed |
| AHS-051607-9<br>*030715929-0022*<br>1X1 FLOOR TILE WHT W/ GREY STREAKS/ I/S KITCHEN | **PLM NYS 198.1 Friable** | | | | | | Not Analyzed |
| | **PLM NYS 198.6 NOB** | 5/22/2007 | White | | N/A | **Inconclusive: None Detected** | |
| | **TEM NYS 198.4 NOB** | 5/22/2007 | White | | N/A | **None Detected** | |
| AHS-051607-7B<br>*030715929-0023*<br>CAULKING/ INSULATION/ SAME AS SAMPLE 7 1ST FL REFU | **PLM NYS 198.1 Friable** | | | | | | Not Analyzed |
| | **PLM NYS 198.6 NOB** | 5/22/2007 | Gray | | N/A | 26.2% Chrysotile<br>**26.2% Total** | |
| | **TEM NYS 198.4 NOB** | 5/22/2007 | | | N/A | **Not Analyzed** | |
| AHS-051607-10<br>*030715929-0024*<br>4X2 CEILING TILE OFF WHITE W/ PINHOLE/ DAY ROOM GR | **PLM NYS 198.1 Friable** | 5/22/2007 | Gray | 60.00% Cellulose<br>13.00% Glass<br>2.00% Min. Wool | 25% | **None Detected** | |
| | **PLM NYS 198.6 NOB** | | | | N/A | | Not Analyzed |
| | **TEM NYS 198.4 NOB** | | | | N/A | | Not Analyzed |
| AHS-051607-10A<br>*030715929-0025*<br>4X2 CEILING TILE OFF WHITE W/ PINHOLE/ DAY ROOM GR | **PLM NYS 198.1 Friable** | 5/22/2007 | Gray | 60.00% Cellulose<br>13.00% Glass<br>2.00% Min. Wool | 25% | **None Detected** | |
| | **PLM NYS 198.6 NOB** | | | | N/A | | Not Analyzed |
| | **TEM NYS 198.4 NOB** | | | | N/A | | Not Analyzed |

**EMSL Analytical, Inc.**
307 West

Attn: **Environmental Health Investigations**
**655 West Shore Trail**
**Sparta, NJ 07871**

Fax: (973) 729-5649 Phone: (973) 729-5649
Project: **0561-1998/ OMNI/ 135 MAIN STREET/ POUGHKEEPSIE**

Customer ID: EHII50
Customer PO:
Received: 05/18/07 7:57 AM
EMSL Order: 030715929
EMSL Proj:

Report Date: 5/29/2007

# Asbestos Analysis of Bulk Material

| Sample Description | Test | Analyzed Date | Color | Non Asbestos Fibrous | Non Asbestos Non-Fibrous | Asbestos | Comments |
|---|---|---|---|---|---|---|---|
| AHS-051607-10B<br>*030715929-0026* | **PLM NYS 198.1 Friable** | 5/22/2007 | Gray | 60.00% Cellulose<br>12.00% Glass<br>3.00% Min. Wool | 25% | **None Detected** | |
| | **PLM NYS 198.6 NOB** | | | | N/A | | Not Analyzed |
| 4X2 CEILING TILE OFF WHITE W/ PINHOLE/ DAY ROOM GR | **TEM NYS 198.4 NOB** | | | | N/A | | Not Analyzed |
| AHS-051607-11<br>*030715929-0027* | **PLM NYS 198.1 Friable** | 5/22/2007 | Gray | 50.00% Cellulose<br>7.00% Glass<br>3.00% Min. Wool | 40% | **None Detected** | |
| | **PLM NYS 198.6 NOB** | | | | N/A | | Not Analyzed |
| 4X2 CEILING TILE WHT W/ PINHOLE/ DAY ROOM GROUND F | **TEM NYS 198.4 NOB** | | | | N/A | | Not Analyzed |
| AHS-051607-11A<br>*030715929-0028* | **PLM NYS 198.1 Friable** | 5/22/2007 | Gray | 50.00% Cellulose<br>7.00% Glass<br>3.00% Min. Wool | 40% | **None Detected** | |
| | **PLM NYS 198.6 NOB** | | | | N/A | | Not Analyzed |
| 4X2 CEILING TILE WHT W/ PINHOLE/ DAY ROOM GROUND F | **TEM NYS 198.4 NOB** | | | | N/A | | Not Analyzed |
| AHS-051607-11B<br>*030715929-0029* | **PLM NYS 198.1 Friable** | 5/22/2007 | Gray | 50.00% Cellulose<br>7.00% Glass<br>3.00% Min. Wool | 40% | **None Detected** | |
| | **PLM NYS 198.6 NOB** | | | | N/A | | Not Analyzed |
| 4X2 CEILING TILE WHT W/ PINHOLE/ DAY ROOM GROUND F | **TEM NYS 198.4 NOB** | | | | N/A | | Not Analyzed |
| AHS-051607-1C<br>*030715929-0030* | **PLM NYS 198.1 Friable** | 5/22/2007 | White | 1.00% Cellulose<br>3.00% Glass | 96% | **None Detected** | |
| | **PLM NYS 198.6 NOB** | | | | N/A | | Not Analyzed |
| SHEETROCK W/ SPACKLE/ AROUND COLUMN NORTH WALL | **TEM NYS 198.4 NOB** | | | | N/A | | Not Analyzed |

# EMSL Analytical, Inc.

307 West

Attn: **Environmental Health Investigations**
**655 West Shore Trail**
**Sparta, NJ 07871**

Fax: (973) 729-5649 Phone: (973) 729-5649


Project: **0561-1998/ OMNI/ 135 MAIN STREET/ POUGHKEEPSIE**

Customer ID: EHII50
Customer PO:
Received: 05/18/07 7:57 AM
EMSL Order: 030715929
EMSL Proj:

Report Date: 5/29/2007

## Asbestos Analysis of Bulk Material

| Sample Description | Test | Analyzed Date | Color | Non Asbestos Fibrous | Non Asbestos Non-Fibrous | Asbestos | Comments |
|---|---|---|---|---|---|---|---|
| AHS-0517-07-12 | **PLM NYS 198.1 Friable** | 5/22/2007 | Gray | 30.00% Cellulose | 70% | **None Detected** | |
| *030715929-0031* | **PLM NYS 198.6 NOB** | | | | N/A | | Not Analyzed |
| FIREPROOFING/ ON HORIZONTAL BEAM IN DAY CARE ROOM | **TEM NYS 198.4 NOB** | | | | N/A | | Not Analyzed |
| AHS-051707-13 | **PLM NYS 198.1 Friable** | 5/22/2007 | Tan | 60.00% Cellulose<br>5.00% Glass | 35% | **None Detected** | |
| *030715929-0032* | **PLM NYS 198.6 NOB** | | | | N/A | | Not Analyzed |
| 4X2 CEILING TILE WHT W/ PINHOLES & GAUGES/ MAIN C | **TEM NYS 198.4 NOB** | | | | N/A | | Not Analyzed |
| AHS-0517-07-13A | **PLM NYS 198.1 Friable** | 5/22/2007 | Tan | 60.00% Cellulose<br>5.00% Glass | 35% | **None Detected** | |
| *030715929-0033* | **PLM NYS 198.6 NOB** | | | | N/A | | Not Analyzed |
| 4X2 CEILING TILE WHT W/ PINHOLES & GAUGES/ MENS RE | **TEM NYS 198.4 NOB** | | | | N/A | | Not Analyzed |
| AHS-051707-2B | **PLM NYS 198.1 Friable** | 5/22/2007 | White | 9.00% Cellulose | 91% | **None Detected** | |
| *030715929-0034* | **PLM NYS 198.6 NOB** | | | | N/A | | Not Analyzed |
| 2X2 WHT SHEETROCK CEILING TILE/ GARBAGE COMPACTOR | **TEM NYS 198.4 NOB** | | | | N/A | | Not Analyzed |
| AHS-051707-12A | **PLM NYS 198.1 Friable** | 5/22/2007 | Brown | 35.00% Cellulose | 65% | **None Detected** | |
| *030715929-0035* | **PLM NYS 198.6 NOB** | | | | N/A | | Not Analyzed |
| FIREPROOFING/ ON HORIZONTAL BEAM IN ELECTRICAL MET | **TEM NYS 198.4 NOB** | | | | N/A | | Not Analyzed |
| AHS-051707-13B | **PLM NYS 198.1 Friable** | 5/22/2007 | Brown | 40.00% Cellulose<br>5.00% Glass | 55% | **None Detected** | |
| *030715929-0036* | **PLM NYS 198.6 NOB** | | | | N/A | | Not Analyzed |
| 4X2 CEILING TILE W/ PINHOLES & GAUGES/ MAIN LOBBY | **TEM NYS 198.4 NOB** | | | | N/A | | Not Analyzed |

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307 West

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Project: **0561-1998/ OMNI/ 135 MAIN STREET/ POUGHKEEPSIE**

Customer ID: EHII50
Customer PO:
Received: 05/18/07 7:57 AM
EMSL Order: 030715929
EMSL Proj:

Report Date: 5/29/2007

## Asbestos Analysis of Bulk Material

| Sample Description | Test | Analyzed Date | Color | Non Asbestos Fibrous | Non Asbestos Non-Fibrous | Asbestos | Comments |
|---|---|---|---|---|---|---|---|
| AHS-051707-1D<br>*030715929-0037* | **PLM NYS 198.1 Friable** | 5/22/2007 | White | 2.00% Cellulose<br>3.00% Glass | 95% | **None Detected** | |
| | **PLM NYS 198.6 NOB** | | | | N/A | | Not Analyzed |
| SHEETROCK W/ SPACKLE/ IN CEILING PLENUM OFF COLUMN | **TEM NYS 198.4 NOB** | | | | N/A | | Not Analyzed |
| AHS-051707-14<br>*030715929-0038* | **PLM NYS 198.1 Friable** | 5/22/2007 | Brown | 80.00% Cellulose | 20% | **None Detected** | |
| | **PLM NYS 198.6 NOB** | | | | N/A | | Not Analyzed |
| DOOR INSULATION PAPER/ THE DOOR TO ELECTRICAL/ MET | **TEM NYS 198.4 NOB** | | | | N/A | | Not Analyzed |
| AHS-051707-15<br>*030715929-0039* | **PLM NYS 198.1 Friable** | 5/22/2007 | Gray | 25.00% Glass<br>10.00% Min. Wool | 65% | **None Detected** | |
| | **PLM NYS 198.6 NOB** | | | | N/A | | Not Analyzed |
| BOILER FLUE INSULATION TOP/ BOILER ROOM FROM FLUE | **TEM NYS 198.4 NOB** | | | | N/A | | Not Analyzed |
| AHS-051707-15A<br>*030715929-0040* | **PLM NYS 198.1 Friable** | 5/22/2007 | Gray | | 87.88% | **12.12% Chrysotile** | |
| | **PLM NYS 198.6 NOB** | | | | N/A | | Not Analyzed |
| BOILER FLUE INSULATION TOP/ BOILER ROOM FROM FLUE | **TEM NYS 198.4 NOB** | | | | N/A | | Not Analyzed |
| AHS-051707-15B<br>*030715929-0041* | **PLM NYS 198.1 Friable** | 5/22/2007 | | | | **Positive Stop** | |
| | **PLM NYS 198.6 NOB** | | | | N/A | | Not Analyzed |
| BOILER FLUE INSULATION TOP/ BOILER ROOM FROM FLUE | **TEM NYS 198.4 NOB** | | | | N/A | | Not Analyzed |
| AHS-051707-16<br>*030715929-0042* | **PLM NYS 198.1 Friable** | 5/22/2007 | Gray | 5.00% Min. Wool | 95% | **None Detected** | |
| | **PLM NYS 198.6 NOB** | | | | N/A | | Not Analyzed |
| PIPE ELBOW JOINT INSULATION CEMENTITIOUS/ BOILER R | **TEM NYS 198.4 NOB** | | | | N/A | | Not Analyzed |

# EMSL Analytical, Inc.

307 West

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Project: **0561-1998/ OMNI/ 135 MAIN STREET/ POUGHKEEPSIE**

Customer ID: EHII50
Customer PO:
Received: 05/18/07 7:57 AM
EMSL Order: 030715929
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Report Date: 5/29/2007

## Asbestos Analysis of Bulk Material

| Sample Description | Test | Analyzed Date | Color | Non Asbestos Fibrous | Non Asbestos Non-Fibrous | Asbestos | Comments |
|---|---|---|---|---|---|---|---|
| AHS-051707-16A<br>*030715929-0043* | **PLM NYS 198.1 Friable** | 5/22/2007 | Gray | 5.00% Glass<br>5.00% Min. Wool | 90% | **None Detected** | |
| | **PLM NYS 198.6 NOB** | | | | N/A | | Not Analyzed |
| PIPE ELBOW JOINT INSULATION CEMENTITIOUS/ BOILER R | **TEM NYS 198.4 NOB** | | | | N/A | | Not Analyzed |
| AHS-051707-16B<br>*030715929-0044* | **PLM NYS 198.1 Friable** | 5/22/2007 | Gray | 7.00% Glass<br>8.00% Min. Wool | 85% | **None Detected** | |
| | **PLM NYS 198.6 NOB** | | | | N/A | | Not Analyzed |
| PIPE ELBOW JOINT INSULATION CEMENTITIOUS/ BOILER R | **TEM NYS 198.4 NOB** | | | | N/A | | Not Analyzed |
| AHS-051707-17<br>*030715929-0045* | **PLM NYS 198.1 Friable** | 5/22/2007 | Tan | 90.00% Glass | 10% | **None Detected** | |
| | **PLM NYS 198.6 NOB** | | | | N/A | | Not Analyzed |
| ROPE GASKET/ ON FRONT OF BOILER 1 | **TEM NYS 198.4 NOB** | | | | N/A | | Not Analyzed |
| AHS-051707-17A<br>*030715929-0046* | **PLM NYS 198.1 Friable** | 5/22/2007 | White | 10.00% Synthetic | 23.33% | **66.67% Chrysotile** | |
| | **PLM NYS 198.6 NOB** | | | | N/A | | Not Analyzed |
| ROPE GASKET/ ON FRONT OF BOILER 1 | **TEM NYS 198.4 NOB** | | | | N/A | | Not Analyzed |
| AHS-051707-17B<br>*030715929-0047* | **PLM NYS 198.1 Friable** | 5/22/2007 | | | | **Positive Stop** | |
| | **PLM NYS 198.6 NOB** | | | | N/A | | Not Analyzed |
| ROPE GASKET/ ON FRONT OF BOILER 2 | **TEM NYS 198.4 NOB** | | | | N/A | | Not Analyzed |
| AHS-051707-18<br>*030715929-0048* | **PLM NYS 198.1 Friable** | 5/22/2007 | White | 5.00% Glass<br>35.00% Synthetic | 60% | **None Detected** | |
| | **PLM NYS 198.6 NOB** | | | | N/A | | Not Analyzed |
| BOILER FLUE INSULATION BTM/ ON FRONT OF BOILER 1 | **TEM NYS 198.4 NOB** | | | | N/A | | Not Analyzed |

**EMSL Analytical, Inc.**

307 West

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**Sparta, NJ 07871**

Fax: (973) 729-5649 Phone: (973) 729-5649

Project: **0561-1998/ OMNI/ 135 MAIN STREET/ POUGHKEEPSIE**

Customer ID: EHII50
Customer PO:
Received: 05/18/07 7:57 AM
EMSL Order: 030715929
EMSL Proj:

Report Date: 5/29/2007

# Asbestos Analysis of Bulk Material

| Sample Description | Test | Analyzed Date | Color | Non Asbestos Fibrous | Non Asbestos Non-Fibrous | Asbestos | Comments |
|---|---|---|---|---|---|---|---|
| AHS-051707-18A<br>*030715929-0049*<br>BOILER FLUE INSULATION BTM/ ON FRONT OF BOILER 1 | **PLM NYS 198.1 Friable** | 5/22/2007 | Gray | | 42.86% | **57.14% Chrysotile** | |
| | **PLM NYS 198.6 NOB** | | | | N/A | | Not Analyzed |
| | **TEM NYS 198.4 NOB** | | | | N/A | | Not Analyzed |
| AHS-051707-18B<br>*030715929-0050*<br>BOILER FLUE INSULATION BTM/ ON FRONT OF BOILER 2 | **PLM NYS 198.1 Friable** | 5/22/2007 | | | | **Positive Stop** | |
| | **PLM NYS 198.6 NOB** | | | | N/A | | Not Analyzed |
| | **TEM NYS 198.4 NOB** | | | | N/A | | Not Analyzed |
| AHS-051707-19<br>*030715929-0051*<br>SHEETROCK/ BOILER ROOM CEILING | **PLM NYS 198.1 Friable** | 5/22/2007 | White | 3.00% Cellulose<br>2.00% Glass | 95% | **None Detected** | |
| | **PLM NYS 198.6 NOB** | | | | N/A | | Not Analyzed |
| | **TEM NYS 198.4 NOB** | | | | N/A | | Not Analyzed |
| AHS-051707-19A<br>*030715929-0052*<br>SHEETROCK/ BOILER ROOM CEILING | **PLM NYS 198.1 Friable** | 5/22/2007 | White | 8.00% Cellulose<br>2.00% Glass | 90% | **None Detected** | |
| | **PLM NYS 198.6 NOB** | | | | N/A | | Not Analyzed |
| | **TEM NYS 198.4 NOB** | | | | N/A | | Not Analyzed |
| AHS-051707-19B<br>*030715929-0053*<br>SHEETROCK/ BOILER ROOM CEILING | **PLM NYS 198.1 Friable** | 5/22/2007 | White | 10.00% Cellulose<br>2.00% Glass | 88% | **None Detected** | |
| | **PLM NYS 198.6 NOB** | | | | N/A | | Not Analyzed |
| | **TEM NYS 198.4 NOB** | | | | N/A | | Not Analyzed |
| AHS-051707-16C<br>*030715929-0054*<br>CEMENTITIOUS PIPE FITTING INSULATION/ EAST MEER/ F | **PLM NYS 198.1 Friable** | 5/22/2007 | Tan/White | 2.00% Cellulose<br>10.00% Glass<br>8.00% Min. Wool | 80% | **None Detected** | |
| | **PLM NYS 198.6 NOB** | | | | N/A | | Not Analyzed |
| | **TEM NYS 198.4 NOB** | | | | N/A | | Not Analyzed |

# EMSL Analytical, Inc.

307 West

Attn: **Environmental Health Investigations**
**655 West Shore Trail**
**Sparta, NJ 07871**

Fax: (973) 729-5649 Phone: (973) 729-5649

Project: **0561-1998/ OMNI/ 135 MAIN STREET/ POUGHKEEPSIE**

Customer ID: EHII50
Customer PO:
Received: 05/18/07 7:57 AM
EMSL Order: 030715929
EMSL Proj:

Report Date: 5/29/2007

# Asbestos Analysis of Bulk Material

| Sample Description | Test | Analyzed Date | Color | Non Asbestos Fibrous | Non Asbestos Non-Fibrous | Asbestos | Comments |
|---|---|---|---|---|---|---|---|
| AHS-051707-12B | **PLM NYS 198.1 Friable** | 5/22/2007 | Brown | 35.00% Cellulose | 65% | **None Detected** | |
| *030715929-0055* | **PLM NYS 198.6 NOB** | | | | N/A | | Not Analyzed |
| FIREPROOFING/ MAINTENANCE GARAGE GROUND FLOOR | **TEM NYS 198.4 NOB** | | | | N/A | | Not Analyzed |
| AHS-051707-5C | **PLM NYS 198.1 Friable** | | | | | | Not Analyzed |
| *030715929-0056* | **PLM NYS 198.6 NOB** | 5/22/2007 | Gray | | N/A | **Inconclusive: None Detected** | |
| WINDOW CAULKING/ WINDOW EXT OF BLDG FRONT OFFICE | **TEM NYS 198.4 NOB** | 5/22/2007 | Gray | | N/A | **None Detected** | |

NOB = Non Friable Organically Bound
N/A = Not Applicable

Analyst(s)

*Ping Chen*
*Ryan Yip Hing Li*

James Hall, Laboratory Manager
or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. The above test report relates only to the items tested. This test report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. EMSL bears no responsibility for sample collection activities or analytical method limitations. The results in this report meet all requirements of the NELAC Standards unless otherwise noted. The laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples. PLM is not consistently reliable in detecting asbestos in floor coverings and similar NOB's. Quantitative TEM is currently the only method that can be used to determine if a NOB material can be considered or treated as non-asbestos containing.

ACCREDITATIONS: NVLAP #101048-9 and NY STATE ELAP #11506

5 DAYS TURNAROUND

FAX TO 973-599-9877

# CHAIN OF CUSTODY

EMSL CANADIAN RECEIVED

| | |
|---|---|
| Samples Sent From: John A. Sekelsky<br>**Environmental Health Investigations, Inc.**<br>655 West Shore Trail<br>Sparta, NJ 07871<br>Phone/Fax #: 973-729-5649<br>07 MAY 18 AM 7:57 | Samples Sent To:<br>EMSL ANALYTICAL INC<br>307 WEST 38th STREET<br>NY, NY 10018<br>(212)-290-0051<br>[redacted] |
| EHI Project #: 0561-1998 | Date Sent: 5/18/07 03071592 |
| Page 1 of 5 | Courier: SELF |

| SAMPLE Identification | TYPE OF SAMPLE<br>Field Sheets Attached | SAMPLE VOL. or AREA | ANALYSIS REQUESTED |
|---|---|---|---|
| AHS-051607 - 1 | BULK - See Attached Sheets | N/A | PLM |
| - 1A | | | |
| - 1B | | | |
| - 1C | | | |
| AHS-051707 - 1D | | | |
| - 2 | | | |
| - 2A | | | |
| AHS-051707 - 2B | | | |
| AHS-051607 - 3 | | | NOB - Tile + MASTIC |
| - 3A | | | NOB - Tile & MASTIC |
| - 3B | | | NOB - Tile & MASTIC |
| AHS-051607 - 4 | | | NOB |
| - 4A | | | |
| - 4B | | | |

| | | | |
|---|---|---|---|
| Sample Relinquished By: _____ Signature | | Print Name: John A Sekelsky | Date: 5/17/07 |
| Sample Received By: _____ Signature | | Print Name: Nidia Lopez | Date: 5/18/07 |

| TURNAROUND TIME: | ☒ 5 Day | ☐ 3 Day | ☐ 24 Hour | ☐ Immediate |
|---|---|---|---|---|

Comments: ANALYZE NOBS VIA PLM & VERIFY NEGATIVE RESULTS VIA TEM STOP ANALYSIS FOR EACH MATERIAL SAMPLE SET @ FIRST POSITIVE

| | | | |
|---|---|---|---|
| Date Received: 5/18/07<br>SAMPLES ACCEPTED<br>Analyzed By: FOR ANALYSIS BY EMSL | Invoice To:<br>EHI, Inc.<br>655 West Shore Trail<br>Sparta, NJ 07871 | Send Results To: X<br>William S. Kerbel, CIH<br>EHI, Inc.<br>655 West Shore Trail<br>Sparta, NJ 07871<br>Phone/Fax: 973-729-5649 | Fax To: X<br>973-599-9877<br>Email To:<br>ehi1@earthlink.net |

5 DAYS TURNAROUND

FAX TO 973-599-9877

03071929

# CHAIN OF CUSTODY

EMSL-PHILADELPHIA
RECEIVED
07 MAY 18 AM 7:57

| | |
|---|---|
| **Samples Sent From:** John A Selecky<br>**Environmental Health Investigations, Inc.**<br>655 West Shore Trail<br>Sparta, NJ 07871<br>Phone/Fax #: 973-729-5649 | **Samples Sent To:**<br>EMSL ANALYTICAL, INC<br>307 WEST 38TH ST.<br>NY, NY<br>212 290-0051<br>[redacted] |
| **EHI Project #:** 0561-1998 | **Date Sent:** 5/18/07 |
| **Page** 2 **of** 5 | **Courier:** SELF |

| SAMPLE Identification | TYPE OF SAMPLE<br>Field Sheets Attached | SAMPLE VOL. or AREA | ANALYSIS REQUESTED |
|---|---|---|---|
| AHS-051607-5 | Bulk - See Attached Sheets | N/A | NOB |
| -5A | | | |
| -5B | | | |
| AHS-051707-5C | | | |
| AHS 051607-6 | | | |
| -6A | | | |
| -7 | | | |
| -7A | | | |
| -7B | | | |
| -8 | | | PLM |
| -8A | | | |
| -8B | | | |
| -9 | | | NOB |
| | | | |

| | | | |
|---|---|---|---|
| **Sample Relinquished By:** _____ Signature | **Print Name:** John A Selecky SAMPLED | **Date:** 5/17/07 ACCEPTED | |
| **Sample Received By:** Nidia Lopez Signature | **Print Name:** Nidia Lopez FOR ANALYSIS BY EMSL | **Date:** 5/18/07 | |

| TURNAROUND TIME: | ☒ 5 Day | ☐ 3 Day | ☐ 24 Hour | ☐ Immediate |
|---|---|---|---|---|

Comments: ANALYZE NOBs VIA PLM & VERIFY NEGATIVE RESULTS VIA TEM
STOP ANALYSES FOR EACH MATERIAL SAMPLE SET W/ FIRST POSITIVE

| | | | |
|---|---|---|---|
| **Date Received:** _____<br>**Analyzed By:** _____ | **Invoice To:**<br>EHI, Inc.<br>655 West Shore Trail<br>Sparta, NJ 07871 | **Send Results To:** X<br>William S. Kerbel, CIH<br>EHI, Inc.<br>655 West Shore Trail<br>Sparta, NJ 07871<br>Phone/Fax: 973-729-5649 | **Fax To:** X<br>973-599-9877<br>**Email To:** _____<br>ehi1@earthlink.net |

5 DAYS TURNAROUND

FAX TO 973-599-9877

# CHAIN OF CUSTODY

EMSL MANHATTAN
RECEIVED
07 MAY 18 AM 7:57

| | |
|---|---|
| **Samples Sent From:** John A Sekelsky<br>**Environmental Health Investigations, Inc.**<br>655 West Shore Trail<br>Sparta, NJ 07871<br>Phone/Fax #: 973-729-5649 | **Samples Sent To:**<br>EMSL ANALYTICAL, INC.<br>307 WEST 38th STREET<br>NY, NY 10018<br>[redacted] |
| **EHI Project #:** 0561-1998 | **Date Sent:** 5/18/07 030715929 |
| **Page** 3 **of** 5 | **Courier:** SELF |

| SAMPLE Identification | TYPE OF SAMPLE<br>Field Sheets ATTACHED | SAMPLE VOL. or AREA | ANALYSIS REQUESTED |
|---|---|---|---|
| AHS-051607-10 | BULK - See ATTACHED SHEETS | N/A | PLM |
| -10A | | | |
| -10B | | | |
| -11 | | | |
| -11A | | | |
| -11B | | | |
| AHS-051707-12 | | | |
| -12A | | | |
| -12B | | | |
| -13 | | | |
| -13A | | | |
| -13B | | | |
| -14 | | | |
| | | | |

| | | | |
|---|---|---|---|
| **Sample Relinquished By:** _____ Signature | | **Print Name:** John A Sekelsky | **Date:** 5/17/07 |
| **Sample Received By:** Nidia Lopez Signature | | **Print Name:** SAMPLES ACCEPTED Nidia Lopez FOR ANALYSIS EMSL | **Date:** 5/18/07 |

| | | | | |
|---|---|---|---|---|
| **TURNAROUND TIME:** | ☒ 5 Day | ☐ 3 Day | ☐ 24 Hour | ☐ Immediate |

Comments: ANALYZE NOB SAMPLES VIA PLM & VERIFY NEGATIVE RESULTS VIA TEM
STOP ANALYSES FOR EACH MATERIAL SAMPLE SET W/ FIRST Positive.

| | | | |
|---|---|---|---|
| **Date Received:** _____<br>**Analyzed By:** _____ | **Invoice To:**<br>EHI, Inc.<br>655 West Shore Trail<br>Sparta, NJ 07871 | **Send Results To:** X<br>William S. Kerbel, CIH<br>EHI, Inc.<br>655 West Shore Trail<br>Sparta, NJ 07871<br>Phone/Fax: 973-729-5649 | **Fax To:** X<br>973-599-9877<br>**Email To:** _____<br>ehi1@earthlink.net |

5 DAYS TURNAROUND

FAX TO 973-599-9877

# CHAIN OF CUSTODY

EMSL MANHATTAN RECEIVED

| | |
|---|---|
| **Samples Sent From:** John A Kerbel<br>**Environmental Health Investigations, Inc.**<br>655 West Shore Trail<br>Sparta, NJ 07871<br>Phone/Fax #: 973-729-5649 07 MAY 18 AM 7:57 | **Samples Sent To:**<br>EMSL ANALYTICAL, INC.<br>307 WEST 38TH STREET<br>NY, NY 10018<br>(212) 290-0057 |
| **EHI Project #:** 0361-1998 | **Date Sent:** 5/18/07 |
| **Page** 4 **of** 5 | **Courier:** SELF 030715929 |

| SAMPLE Identification | TYPE OF SAMPLE Field Sheets ATTACHED | SAMPLE VOL. or AREA | ANALYSIS REQUESTED |
|---|---|---|---|
| AHS-051707 -15 | BULK-SEE ATTACHED SHEETS | N/A | PLM |
| -15A | | | |
| -15B | | | |
| -16 | | | |
| -16A | | | |
| -16B | | | |
| -16C | | | |
| -17 | | | |
| -17A | | | |
| -17B | | | |
| -18 | | | |
| -18A | | | |
| -18B | | | |
| | | | |

| | | | |
|---|---|---|---|
| **Sample Relinquished By:** _____ Signature | | **Print Name:** John A Kerbel | **Date:** 5/17/07 |
| **Sample Received By:** _____ Signature | | **Print Name:** Nicki Lyss FOR EMSL | **Date:** 5/18/07 |

**TURNAROUND TIME:** ☒ 5 Day ☐ 3 Day ☐ 24 Hour ☐ Immediate

Comments: STOP ANALYSIS FOR EACH MATERIAL SAMPLE SET W/ FIRST Positive

| | | | |
|---|---|---|---|
| **Date Received:** _____<br>**Analyzed By:** _____ | **Invoice To:**<br>EHI, Inc.<br>655 West Shore Trail<br>Sparta, NJ 07871 | **Send Results To:** X<br>William S. Kerbel, CIH<br>EHI, Inc.<br>655 West Shore Trail<br>Sparta, NJ 07871<br>Phone/Fax: 973-729-5649 | **Fax To:** X<br>973-599-9877<br>**Email To:** _____<br>ehi1@earthlink.net |

5 DAYS TURNAROUND

FAX TO 973-599-9877

EMSL MONTVALE

# CHAIN OF CUSTODY

| | |
|---|---|
| Samples Sent From: John A Selkirsky<br>**Environmental Health Investigations, Inc.**<br>655 West Shore Trail<br>Sparta, NJ 07871<br>Phone/Fax #: 973-729-5649<br>RECEIVED 07 MAY 18 AM 7:57 | Samples Sent To:<br>EMSL ANALYTICAL, INC.<br>307 WEST 38TH STREET<br>NY, NY 10018<br>(212) 290-0051<br>[redacted] |
| EHI Project #: 0561-1998 | Date Sent: 5/18/07 0307115939 |
| Page 5 of 5 | Courier: SELF |

| SAMPLE Identification | TYPE OF SAMPLE<br>Field Sheets ATTACHED | SAMPLE VOL. or AREA | ANALYSIS REQUESTED |
|---|---|---|---|
| AHS051707-19 | BULK- SEE ATTACHED SHEETS | N/A | PLM |
| -19A | ↓ | ↓ | ↓ |
| -19B | ↓ | ↓ | ↓ |
| | | | |
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| | | |
|---|---|---|
| Sample Relinquished By: _____ Signature | Print Name: John A Selkirsky | Date: 5/17/07 |
| Sample Received By: Vidia Lopez Signature | Print Name: Vidia Lopez SAMPLES ACCEPTED FOR ANALYSIS | Date: 5/18/07 |

| TURNAROUND TIME: | ☒ 5 Day | ☐ 3 Day | ☐ 24 Hour | ☐ EMSL Immediate |
|---|---|---|---|---|

Comments: STOP ANALYSIS FOR EACH SAMPLE SET w/ FIRST POSITIVE

| | | | |
|---|---|---|---|
| Date Received: _____<br>Analyzed By: _____ | Invoice To:<br>EHI, Inc.<br>655 West Shore Trail<br>Sparta, NJ 07871 | Send Results To: X<br>William S. Kerbel, CIH<br>EHI, Inc.<br>655 West Shore Trail<br>Sparta, NJ 07871<br>Phone/Fax: 973-729-5649 | Fax To: X<br>973-599-9877<br>Email To: X<br>ehi1@earthlink.net |

EMSL MANHATTAN
RECEIVED

# BULK SAMPLE DATA FORM


**ENVIRONMENTAL HEALTH INVESTIGATIONS, INC.**
**655 WEST SHORE TRAIL**
**SPARTA, NJ 07871**
**PHONE: (973) 729-5649 FAX: (973)**


04 MAY 18 AM 7:57

**Client:** OMNI **Project #:** 0561-1998

**Location:** 85 MAIN ST Poughkeepsie

0307159 23

**Date Collected:** 5/16/0

SAMPLES ACCEPTED
FOR ANALYSIS
Y EMSL

**Collected By:** JPY/JAS

| Sample # | Type of Material | Location | Analysis Required PLM Only | Analysis Required NOB |
|---|---|---|---|---|
| AHS 051607-1 | Sheetrock w/ SPACKLE | PENTHOUSE ELECTRICAL SWITCH ROOM OVER BEAM | X | |
| AHS 051607-2 | Sheetrock Ceiling Tile | TOP OF STAIRWAY IN PENTHOUSE AT DOOR OUTSIDE STORE ROOM | X | |
| AHS 051607-2A | Sheetrock Ceiling Tile | TOP OF WEST STAIRWAY AT DOOR TO ROOF | X | |
| AHS 051607-1A | Sheetrock w/ SPACKLE | WALL IN Ceiling Plenum ABOVE HATCH DOOR IN HALL OUTSIDE APT 1201 | X | |
| AHS 051607-3 | 1x1 Tan Floor Tile w/ Brown STREAKS + MASTIC | REFUSE CHUTE ROOM 12th Floor | | X |
| AHS 051607-4 | MASTIC ASSOCIATED W/ WALL COVE MOLDING | REFUSE CHUTE ROOM -12th Floor | | X |
| AHS 051607-1B | Sheetrock w/ SPACKLE | WALL IN Ceiling Plenum ABOVE HATCH IN HALL OUTSIDE APT 1102 | X | |
| AHS 051607-5 | Window Caulking | OLD Caulking under window FRAME = OUTSIDE window FOR APT 1103 | | X |
| AHS 051607-4A | WALL COVE MOLDING MASTIC | WALL IN STAIRWELL 10th FLOOR | | X |
| AHS 051607-5A | Window Caulking | OLD Caulking Under window FRAME = OUTSIDE window FOR APT 601 | | X |
| [redacted] | | | | |

EMSL MANHATTAN
RECEIVED

# BULK SAMPLE DATA FORM


**ENVIRONMENTAL HEALTH INVESTIGATIONS, INC.**
**655 WEST SHORE TRAIL**
**SPARTA, NJ 07871**
**PHONE: (973) 729-5649 FAX: (973) 729-5649**


07 MAY 18 AM 7:57

**Client:** OMNI **Project #:** 0561-198

**Location:** 135 MAIN ST Rouge River, NY

**Date Collected:** 5/16/07

**Collected By:** STAS/TIPY

SAMPLES ACCEPTED
FOR ANALYSIS
Y EMSL
0307155929

| Sample # | Type of Material | Location | Analysis Required PLM Only | Analysis Required NOB |
|---|---|---|---|---|
| AHS 051607 -9 | 1x1 Floor Tile White & Grey SPECKLED | Inside Kitchen for Day Room - Ground Floor | | X |
| AHS 051607 -8 | Caulking/Insulation | Same as Sample 7 → 1st Floor Picture Chart | | X |
| AHS 051607 -10 | 4x2' Ceiling Tile → Off White & Pinholes | Day Room → Ground Floor | X | |
| -10A | ↓ | Day Room Kitchen - Ground Floor | X | |
| -10B | ↓ | Day Room - Ground Floor | X | |
| AHS-051607 -11 | 4'x2' Ceiling Tile → White & Pinholes | Day Room - Ground Floor | X | |
| -11A | ↓ | ↓ | X | |
| -11B | ↓ | ↓ | X | |
| AHS 051607 -1C | Sheetrock w/ SPACKLE | Around Column → Inner Wall of Day Room - Ground Floor w/ Ceiling Plenum | X | |
| | | | | |
| | | | | |

**BULK SAMPLE DATA FORM**

EMSL MANHATTAN
RECEIVED

**ENVIRONMENTAL HEALTH INVESTIGATIONS, INC.**
**655 WEST SHORE TRAIL**
**SPARTA, NJ 07871**
**PHONE: (973) 729-5649 FAX: (973) 729-5649**

07 MAY 18 AM 7:57

**Client:** OMNI **Project #:** 0561.1998

**Location:** 185 MAIN STREET Poughkeepsie, NY

**Date Collected:** 5/17/07

**Collected By:** JBN/JAS

SAMPLES ACCEPTED
FOR ANALYSIS
EMSL 030715929

| Sample # | Type of Material | Location | Analysis Required PLM Only | Analysis Required NOB |
|---|---|---|---|---|
| AHS 051707 -1A | Fireproofing | ON Horizontal Beam IN Utility Room NEAR Ground Floor | X | |
| AHS 051707 -1B | 4'x2' Ceiling Tile white w/ pinholes & fissures | MAIN Corridor Between Rest Rooms => Ground Floor | X | |
| AHS 051707 -1BA | 4'x2' Ceiling Tile White w/ Pinholes & fissures | MEN'S Rest Room Ground Floor | X | |
| AHS 051707 -2B | ~~Duct Insulation~~ 2'x2' White Sheetrock Ceiling Tile | CARBONE Compactor Room - Ground Floor | X | |
| AHS 051707 -2A | Fireproofing | ON Horizontal Beam IN ELECTRICAL METER Rm - Ground Floor | X | |
| AHS 051707 -1BS | 4'x2' Ceiling Tile w/ Pinholes & fissures | MAIN Lobby outside Elevators in Ceiling Plenum ABOVE Light Fixture | X | |
| AHS 051707 -1D | Sheetrock W/ SPACKLE | IN Ceiling Plenum OF Column IN Corridor on Ground Floor outside Elevators | X | |
| AHS 051707 -1F | Door Insulation Patch | For Door TO Electrical METER Rm Ground Floor | X | |
| AHS 051707 -1S | Boiler Flue INSULATION Tape | Boiler Room From Flue off Boiler 2 | X | |
| -1SA | ↓ | Boiler Room From Flue off Boiler 1 | X | |
| -1SB | ↓ | ↓ | X | |

**BULK SAMPLE DATA FORM**

EMSL MANHATTAN
RECEIVED

**ENVIRONMENTAL HEALTH INVESTIGATIONS, INC.**
**655 WEST SHORE TRAIL**
**SPARTA, NJ 07871**
**PHONE: (973) 729-5649 FAX: (973) 729-56**

07 MAY 18 AM 7:58

**Client:** OMNI **Project #:** 0561-1988

030715929

**Location:** 135 Main St Poughkeepsie, NY

SAMPLES ACCEPTED
FOR ANALYSIS
Y EMSL

**Date Collected:** 5/17/07

**Collected By:** JBH/JAS

| Sample # | Type of Material | Location | Analysis Required PLM Only | Analysis Required NOB |
|---|---|---|---|---|
| AHS 05707 -16 | Pipe Elbow Joint Insulation -Cement with Asbestos | Boiler Room Pipe Line By Pumps | X | |
| -16A | ↓ | ↓ | X | |
| -16B | ↓ | Boiler Room Pipe Line By Boiler 2 | X | |
| AHS 05707 -17 | Rope Gasket | On Front of Boiler 1 | X | |
| -17A | ↓ | On Back of Boiler 1 | X | |
| AHS 05707 -17B | ↓ | On Front of Boiler #2 | | |
| AHS 05707 -18 | Boiler Flue Insulation -Bottom | Same As 17 | X | |
| -18A | ↓ | Same As 17A | X | |
| -18B | ↓ | Same As 17B | X | |
| AHS 05707 -19 | Sheetrock | Boiler Room Ceiling | | |
| -19A | ↓ | ↓ | | |

**BULK SAMPLE DATA FORM**

EMSL MANHATTAN
RECEIVED
07 MAY 18 AM 7:58

**ENVIRONMENTAL HEALTH INVESTIGATIONS, INC.**
**655 WEST SHORE TRAIL**
**SPARTA, NJ 07871**
**PHONE: (973) 729-5649 FAX: (973) 729-5649**

**Client:** OMNI **Project #:** 0561-1118

**Location:** 135 MAIN ST Poughkeepsie NY

**Date Collected:** 5/17/07

**Collected By:** JDI/JAS

0307159 29
SAMPLES ACCEPTED
FOR ANALYSIS
Y EMSL

| Sample # | Type of Material | Location | Analysis Required PLM Only | Analysis Required NOB |
|---|---|---|---|---|
| AHS 051707 -19B | Sheet Rock | Boiler Room Ceiling | X | |
| AHS 051707 -16C | Cementitious Pipe Fittings Insulation | EAST MECHANICAL GROUND FLOOR | X | |
| AHS 051707 -12B | Fireproofing | Maintenance GARAGE GROUND FLOOR | X | |
| AHS 051707 -5C | Window Caulking | Window Putty on Body Front Facade | | X |
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| | | | | |
| | | | | |

Central Hudson
Gas & Electric Corporation

*Transmitted Via Email and Regular Mail*

July 14, 2006

Gardiner Cross
Engineering Geologist 3
NYSDEC
Division of Environmental Remediation
625 Broadway
Albany, New York 12233

Re: Poughkeepsie Bayeaux Street Site

Dear Mr. Cross:

On May 17, 2006, Central Hudson Gas & Electric Corporation (Central Hudson) conducted a supplemental investigation at the former Bayeaux Street manufactured gas plant (MGP) site, in Poughkeepsie, New York. The additional investigation was conducted at the request of the New York State Department of Environmental Conservation (NYSDEC) and in accordance with the NYSDEC-approved work scope dated April 18, 2006 to supplement observations from previous investigations. Specifically, during the Phase II Investigation completed 1990, MGP-impacted soils and groundwater were not observed in five borings and four monitoring wells (Figure 1). The findings of the 1990 investigation were subsequently summarized in Phase II Investigation Report, Bayeaux Street Site dated August, 1990 (BBL).

The former Bayeaux Street MGP is located on the corner of Main Street and North Perry Street (formerly Bayeaux Street) in the City of Poughkeepsie, Dutchess County, New York. The site is currently occupied by the Admiral Halsey Senior Village and neighboring townhouses to the east.

The 2006 investigation consisted of the installation of five soil boring (BSB-06-6 through BSB-06-10, Figure 1) in and around former MGP structures at the site as follows:

- Two soil borings were installed on the northern perimeter of the site near former purifying structures (BSB-06-6 and BSB-06-7);
- One soil boring was installed within the former 50-foot diameter gas holder (BSB-06-8); and
- Two soil borings were installed within the former 90-foot diameter gas holder (BSB-06-9 and BSB-06-10).

Soil borings were advanced using a tractor-mounted push/percussion drill rig to depths ranging between 14.5 and 24 feet below ground surface (bgs). Soil samples were continuously collected using 4 foot Macro Core® sampling barrels with disposable PVC liners. Recovered soil samples were classified with respect to predominant soil types, moisture content, and the presence of any visual or olfactory impacts. Soils were continuously field screened using a photoionization detector (PID). Detailed descriptions of the soils encountered are contained in the attached boring logs.

284 South Avenue
Poughkeepsie, NY 12601

(845) 452-2000
www.CHEngergyGroup.com

The following table summarizes the field observations at each boring location. In addition, this summary table includes the 1990 boring observations.

| *Boring* | *Boring Observations* | *Potential Impacts Observed* | *PID Readings* |
|---|---|---|---|
| MW-1 | 0-4 ft. – Sand and gravel fill (little brick/coal)<br>4-10 ft. – Sand<br>10-12 ft. Silt<br>12-18 ft. - Clay | None | 2-4 ft. – 1.8 ppm<br>14-16 ft. – 1.8 ppm |
| MW-2 | 0-2 ft. Sand fill (some brick)<br>2-14 ft. Silt (sand and gravel lense at 8 ft.)<br>14 -18 ft. Sand and gravel<br>18-20 ft. Weathered bedrock | None | 2-4 ft. – 0.2 ppm<br>4-6 ft. – 0.2 ppm<br>8-10 ft. – 0.1 ppm |
| MW-3 | 0-6 ft. – Sand and brick fill<br>6-14 ft. - Sand, Sand and gravel<br>14-15.5 ft. – Weathered bedrock | None | 0-2 ft. – 0.9 ppm<br>2-4 ft. – 0.6 ppm<br>4-6 ft. – 0.8 ppm<br>8-10 ft. – 1.4 ppm<br>10-12 ft. – 0.4 ppm<br>12-14 ft. – 0.1 ppm |
| MW-4 | 0-8 ft. - Sand and brick fill<br>8-12 ft. – Sand<br>12-15 ft. – Gravel<br>15.5-16.5 ft. – Weathered bedrock | None | 0-2 ft. – 0.2 ppm<br>2-4 ft. – 0.1 ppm |
| BB-5 | 0-14 ft. - Brick, ash, concrete fill<br>14-15.4 ft. - Silt | Staining 12 to 15 ft. | 0-2 ft. – 1.1 ppm<br>2-4 ft. – 1.9 ppm<br>4-6 ft. – 1.7 ppm<br>10-12 ft. – 1.1 ppm<br>12-14 ft. – 1.6 ppm<br>14-15 ft. – 4.8 ppm |
| BSB-06-6 | 0-7 ft –Sand (trace cinders)<br>7-18 ft.- Silt and Sand | None | Non-detect |
| BSB-06-7 | 0-4 ft –Sand (trace cinders)<br>4-5 ft- Concrete<br>5-14.5 ft.- Silt | None | Non-detect |
| BSB-06-8 | 0-4 ft –Sand (little cinders/brick)<br>4-8 ft.-Cinders and brick<br>8-16.25 ft. – Cinders and slag<br>16.25 ft. Sand | Faint odor below 8.0 ft. bgs | 9.0 ft. – 0.6ppm<br>10.0 ft. – 1.1ppm<br>11.0 ft. – 0.7ppm<br>14.0 ft. – 0.4ppm<br>16.4 ft. – 1.3ppm |
| BSB-06-9 | 0-4 ft –Sand and cinders<br>4-6 ft.- Silt and sand<br>6-16 ft. -Silt<br>16-19 ft. – Sand<br>19-21 ft. – Sand and gravel<br>21-24 ft. - Silt | None | Non-detect |
| BSB-06-10 | 0-1.5 ft. - Sand (little cinders/brick)<br>1.5-2 ft. - Concrete<br>2-5 ft. - Sand (little cinders/brick)<br>5-16 ft.- Silt | Faint odor from 12 to 16 ft. bgs | 13.0 ft. – 1.7ppm<br>14.0 ft. – 4.3ppm<br>15.0 ft. – 1.8ppm |

In summary, MGP related non-aqueous phase liquids (NAPLs) were not observed in the 2006 or the 1990 soil borings. The staining observed in 1990 soil boring BB-5 was not observed in 2006 soil boring BSB-06-8.

Furthermore, soils were recovered for observation in the 6 to 10 foot interval at boring BSB-06-8, located within the former 50-foot gas holder, and thus fill in the gap missing in the subsurface record for soil boring BB-5. As summarized above, NAPL- impacted soils were not observed at soil boring BSB-06-8.

Based on the 1990 Phase II Investigation and the 2006 supplemental investigation, Central Hudson requests that NYSDEC delist the former Bayeaux Street site from the Inactive Hazardous Waste Disposal Site Program Registry. Furthermore, Central Hudson requests NYSDEC approval to abandon monitoring wells MW-1 through MW-4. If you have any questions or comments regarding this letter report, please contact me at 845-486-5691.

Sincerely,

Central Hudson Gas & Electric Corporation

Nicholas Kowalczyk
Assistant Environmental Specialist
DAC

cc: Jeffrey Clock, CHGE
Dennis Harkawik, JFM
Nancy Gensky, BBL
David Cornell, BBL




**LEGEND:**

- HISTORICAL LOCATION
- MW-4 — OVERBURDEN MONITORING WELL LOCATION
- BB-5 — 1990 SOIL BORING LOCATION
- BSB-06-8 — 2006 SOIL BORING LOCATIONS

**NOTES:**

1. BASE MAP IS A DIGITAL COPY OF A NON-DIGITAL BBL FIGURE CREATED 6/5/90, WHOSE SOURCE IS UNKNOWN.
2. ALL LOCATIONS ARE APPROXIMATE.

0 60' 120'

GRAPHIC SCALE

CENTRAL HUDSON GAS & ELECTRIC CORP.
BAYEAUX STREET SITE
POUGHKEEPSIE, N.Y.

**BAYEAUX STREET SITE**

## 2006 BORING LOCATIONS

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FIGURE 1

20530002/20530B01.DWG SAVED:6/30/2006 1:52 PM LAYOUT:Layout1 PAGESETUP:PAGESET/PLT-BL1 PENTABLE:PLTFULL.CTB PRINTED:6/30/2006 3:49 PM BY:6/30/06 SYR-85-RCB
PROJECTNAME:-----
XREFS: IMAGES:

**Date Start/Finish:** 5/17/06
**Drilling Company:** Parratt-Wolff
**Driller's Name:** Josh Ellingworth, Gary Ellingworth
**Drilling Method:** Geoprobe
**Rig Type:** Tractor-mounted Powerprobe
**Sampling Method:** Macrocore

**Northing:** NA
**Easting:** NA
**Casing Elevation:** NA

**Borehole Depth:** 18' bgs
**Surface Elevation:** NA

**Descriptions By:** David Cornell

**Boring ID:** **BSB-06-6**

**Client:** Central Hudson Gas & Electric

**Location:** Bayeaux Street
Poughkepsie, New York

| DEPTH / ELEVATION | Sample Run Number | Sample/Int/Type | Recovery (feet) | PID Headspace (ppm) | Analytical Sample | Geologic Column | Stratigraphic Description | Boring Construction |
|---|---|---|---|---|---|---|---|---|
| 0 / 0 | 1 | 0-4 | 3.4 | ND | | | Brown Silty fine to medium SAND, little fine to medium angular Gravel, trace Roots, non-plastic, moist. | |
| | | | | | | | Trace Cinders below 2.0' bgs. | Borehole backfilled with borehole suttings and bentonite to grade. |
| 5 / -5 | 2 | 4-8 | 3.7 | ND | | | Brown SILT and fine SAND, trace Clay and fine to medium Sand, non-plastic, wet. | |
| | | | | | | | Gray-brown fine to medium SAND, trace Roots, non-plastic, saturated. | |
| 10 / -10 | 3 | 8-12 | 4.0 | ND | | | Brown SILT and fine SAND, non-plastic, saturated. | |
| | 4 | 12-16 | 3.0 | ND | | | Fine to coarse sub-rounded Gravel below 14.0' bgs. | |
| 15 / -15 | | | | | | | | |

BBL® an ARCADIS company

**Remarks:** NA = Not Available/Not Applicable; ND = Not Detected; bgs = below ground surface.

**Client:**
Central Hudson Gas & Electric

**Site Location:**
Bayeaux Street
Poughkepsie, New York

**Boring ID:** BSB-06-6

**Borehole Depth:** 18' bgs

| DEPTH / ELEVATION | Sample Run Number | Sample/Int/Type | Recovery (feet) | PID Headspace (ppm) | Analytcal Sample | Geologic Column | Stratigraphic Description | Boring Construction |
|---|---|---|---|---|---|---|---|---|
| | 5 | 16-18 | 2.0 | ND | | | Brown Silty fine SAND, non-plastic, wet. | |
| | | | | | | | Brown SILT, some inter-bedded fine to coarse Gravel, trace fine Sand and Clay. (Possible Till) | Borehole backfilled with borehole suttings and bentonite to grade. |
| 20-20 | | | | | | | | |
| 25-25 | | | | | | | | |
| 30-30 | | | | | | | | |
| 35-35 | | | | | | | | |

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**Remarks:** NA = Not Available/Not Applicable; ND = Not Detected; bgs = below ground surface.

Project: 205.30.002 Template: j:\rockware\logplot2001\logfiles\20530\geoprobe2006.ldf
Data File: BSB-06-06.dat Date: 5/22/06

**Date Start/Finish:** 5/17/06
**Drilling Company:** Parratt-Wolff
**Driller's Name:** Josh Ellingworth, Gary Ellingworth
**Drilling Method:** Geoprobe
**Rig Type:** Tractor-mounted Powerprobe
**Sampling Method:** Macrocore

**Northing:** NA
**Easting:** NA
**Casing Elevation:** NA

**Borehole Depth:** 14.5' bgs
**Surface Elevation:** NA

**Descriptions By:** David Cornell

**Boring ID:** **BSB-06-7**

**Client:** Central Hudson Gas & Electric

**Location:** Bayeaux Street
Poughkepsie, New York

| DEPTH / ELEVATION | Sample Run Number | Sample/Int/Type | Recovery (feet) | PID Headspace (ppm) | Analytical Sample | Geologic Column | Stratigraphic Description | Boring Construction |
|---|---|---|---|---|---|---|---|---|
| 0 / 0 | 1 | 0-4 | 3.7 | ND | | | Brown Silty fine to medium SAND, little fine to coarse sub-angular Gravel, non-plastic, moist. Trace Cinders below 1.2' bgs. | Borehole backfilled with borehole suttings and bentonite to grade. |
| 5 / -5 | 2 | 4-8 | 3.4 | ND | | | Gray CONCRETE fragments. (Possible Slab) Orange-brown medium to coarse SAND, little fine to coarse angular Gravel and fine Sand, non-plastic, saturated. Gray-brown fine Sandy SILT inter-bedded with Silty CLAY, moderately to non-plastic, saturated. | |
| 10 / -10 | 3 | 8-12 | 4.0 | ND | | | Brown SILT, some inter-bedded gray fine to coarse sub-rounded Gravel, trace Clay and fine Sand, non-plastic, dense, wet. (Possible Till) | |
| | 4 | 12-14.5 | 2.5 | ND | | | Slightly coarser-grained matrix with depth below 12' bgs. | |
| 15 / -15 | | | | | | | | |

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**Remarks:** NA = Not Available/Not Applicable; ND = Not Detected; bgs = below ground surface.

Project: 205.30.002 Template: j:\rockware\logplot2001\logfiles\20530\geoprobe2006.ldf
Data File: BSB-06-7.dat Date: 5/22/06

**Date Start/Finish:** 5/17/06
**Drilling Company:** Parratt-Wolff
**Driller's Name:** Josh Ellingworth, Gary Ellingworth
**Drilling Method:** Geoprobe
**Rig Type:** Tractor-mounted Powerprobe
**Sampling Method:** Macrocore

**Northing:** NA
**Easting:** NA
**Casing Elevation:** NA

**Borehole Depth:** 16.5' bgs
**Surface Elevation:** NA

**Descriptions By:** David Cornell

**Boring ID:** **BSB-06-8**

**Client:** Central Hudson Gas & Electric

**Location:** Bayeaux Street
Poughkepsie, New York

| DEPTH / ELEVATION | Sample Run Number | Sample/Int/Type | Recovery (feet) | PID Headspace (ppm) | Analytical Sample | Geologic Column | Stratigraphic Description | Boring Construction |
|---|---|---|---|---|---|---|---|---|
| 0 / 0 | 1 | 0-4 | 3.5 | ND | | | Brown Silty fine SAND, little fine to coarse sub-angular Gravel, little Brick and Cinders, non-plastic, moist. (Fill) | |
| | | | | | | | Dark gray color below 2.2' bgs. | |
| | | | | | | | Wet below 3.2' bgs. | Borehole backfilled with borehole suttings and bentonite to grade. |
| 5 / -5 | 2 | 4-8 | 2.7 | ND | | | Dark gray to black CINDERS and BRICK fragments, some Wood, trace Slag and Ash-like material, non-plastic, saturated. | |
| | 3 | 8-12 | 3.0 | 0.6<br>1.1<br>0.7 | | | Dark gray black CINDERS and SLAG, trace Wood, Brick fragments, Silt and fine Sand, faint odor, non-plastic, saturated. | |
| 10 / -10 | 4 | 12-16 | 3.2 | ND<br>0.4 | | | Gray Silty CLAY, plastic, soft, saturated. | |
| 15 / -15 | | | | 15 | | | Dark gray-black CINDERS and SLAG, non-plastic, saturated. | |

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**Remarks:** NA = Not Available/Not Applicable; ND = Not Detected; bgs = below ground surface.

Project: 205.30.002 Template: j:\rockware\logplot2001\logfiles\20530\geoprobe2006.ldf
Data File: BSB-06-8.dat Date: 5/22/06

**Client:**
Central Hudson Gas & Electric

**Site Location:**
Bayeaux Street
Poughkepsie, New York

**Boring ID:** BSB-06-8

**Borehole Depth:** 16.5' bgs

| DEPTH / ELEVATION | Sample Run Number | Sample/Int/Type | Recovery (feet) | PID Headspace (ppm) | Analytcal Sample | Geologic Column | Stratigraphic Description | Boring Construction |
|---|---|---|---|---|---|---|---|---|
| | 5 | 16-16.5 | 0.5 | 1.3 | | | Dark gray-black CINDERS and SLAG, trace Brick, Glass, and Wood, non-plastic, saturated. | Borehole backfilled with borehole suttings and bentonite to grade. |
| | | | | | | | Brown Silty fine SAND, trace fine Gravel, trace Concrete Chip in shoe, faint odor, non-plastic, dense, saturated. | |
| 20-20 | | | | | | | | |
| 25-25 | | | | | | | | |
| 30-30 | | | | | | | | |
| 35-35 | | | | | | | | |

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**Remarks:** NA = Not Available/Not Applicable; ND = Not Detected; bgs = below ground surface.

Project: 205.30.002 Template: j:\rockware\logplot2001\logfiles\20530\geoprobe2006.ldf *Page: 2 of 2*
Data File: BSB-06-8.dat Date: 5/22/06

**Date Start/Finish:** 5/17/06
**Drilling Company:** Parratt-Wolff
**Driller's Name:** Josh Ellingworth, Gary Ellingworth
**Drilling Method:** Geoprobe
**Rig Type:** Tractor-mounted Powerprobe
**Sampling Method:** Macrocore

**Northing:** NA
**Easting:** NA
**Casing Elevation:** NA

**Borehole Depth:** 24' bgs
**Surface Elevation:** NA

**Descriptions By:** David Cornell

**Boring ID:** **BSB-06-9**

**Client:** Central Hudson Gas & Electric

**Location:** Bayeaux Street
Poughkepsie, New York

| DEPTH / ELEVATION | Sample Run Number | Sample/Int/Type | Recovery (feet) | PID Headspace (ppm) | Analytical Sample | Geologic Column | Stratigraphic Description | Boring Construction |
|---|---|---|---|---|---|---|---|---|
| 0 / 0 | 1 | 0-4 | 4.0 | ND | | | Brown-black fine SAND and CINDERS, little Silt, trace medium Sand, Slag and fine to coarse angular Gravel, trace Brick, non-plastic, moist. (Fill) | Borehole backfilled with borehole suttings and bentonite to grade. |
| | | | | | | | Gray brown SILT, little fine Sand, non-plastic, saturated. | |
| 5 / -5 | 2 | 4-8 | 3.8 | ND | | | Brown SILT and fine SAND, some fine to coarse angular Gravel, trace Brick and Cinders, non-plastic, moist to wet. | |
| | | | | | | | Gray SILT, trace fine Sand, trace Clay, non-plastic, saturated. | |
| 10 / -10 | 3 | 8-12 | 3.1 | ND | | | | |
| | 4 | 12-16 | 4.0 | ND | | | | |
| 15 / -15 | | | | | | | Gray Silty fine SAND, some multi-colored fine to coarse sub-rounded Gravel, trace medium Sand, non-plastic, saturated. | |

**Remarks:** NA = Not Available/Not Applicable; ND = Not Detected; bgs = below ground surface.

BBL® an ARCADIS company

Project: 205.30.002 Template: j:\rockware\logplot2001\logfiles\20530\geoprobe2006.ldf
Data File: BSB-06-9.dat Date: 5/22/06

**Client:**
Central Hudson Gas & Electric

**Site Location:**
Bayeaux Street
Poughkepsie, New York

**Boring ID:** BSB-06-9

**Borehole Depth:** 24' bgs

| DEPTH / ELEVATION | Sample Run Number | Sample/Int/Type | Recovery (feet) | PID Headspace (ppm) | Analytcal Sample | Geologic Column | Stratigraphic Description | Boring Construction |
|---|---|---|---|---|---|---|---|---|
| | 5 | 16-20 | 3.8 | ND | | | Gray Silty fine SAND, some multi-colored fine to coarse sub-rounded Gravel, trace medium Sand, non-plastic, saturated. | Borehole backfilled with borehole suttings and bentonite to grade. |
| 20-20 | | | | | | | Dark gray medium to coarse SAND and fine to coarse sub-rounded GRAVEL, non-plastic, saturated. | |
| | 6 | 20-24 | 4.0 | ND | | | Gray SILT, little Clay, trace fine Sand, non-plastic, saturated. | |
| 25-25 | | | | | | | | |
| 30-30 | | | | | | | | |
| 35-35 | | | | | | | | |

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**Remarks:** NA = Not Available/Not Applicable; ND = Not Detected; bgs = below ground surface.

Project: 205.30.002 Template: j:\rockware\logplot2001\logfiles\20530\geoprobe2006.ldf
Data File: BSB-06-9.dat Date: 5/22/06

**Date Start/Finish:** 5/17/06
**Drilling Company:** Parratt-Wolff
**Driller's Name:** Josh Ellingworth, Gary Ellingworth
**Drilling Method:** Geoprobe
**Rig Type:** Tractor-mounted Powerprobe
**Sampling Method:** Macrocore

**Northing:** NA
**Easting:** NA
**Casing Elevation:** NA

**Borehole Depth:** 16' bgs
**Surface Elevation:** NA

**Descriptions By:** David Cornell

**Boring ID:** **BSB-06-10**

**Client:** Central Hudson Gas & Electric

**Location:** Bayeaux Street
Poughkepsie, New York

| DEPTH / ELEVATION | Sample Run Number | Sample/Int/Type | Recovery (feet) | PID Headspace (ppm) | Analytical Sample | Geologic Column | Stratigraphic Description | Boring Construction |
|---|---|---|---|---|---|---|---|---|
| 0 / 0 | | | | | | | | |
| | 1 | 0-4 | 3.6 | ND | | | Brown Silty fine to medium SAND, little fine to coarse angular Gravel, trace Roots, little Brick and Cinders below 0.5' bgs, non-plastic, moist. | |
| | | | | | | | Weathered CONCRETE. (Possible Slab) | |
| | | | | | | | Brown fine to medium SAND, little Silt and fine to coarse angular Gravel, trace Brick and Cinders, non-plastic, moist to wet. | Borehole backfilled with borehole suttings and bentonite to grade. |
| 5 / -5 | 2 | 4-8 | 4.0 | ND | | | Gray SILT, little fine Sand, trace Clay, non-plastic, saturated. | |
| 10 / -10 | 3 | 8-12 | 3.7 | ND | | | | |
| | 4 | 12-16 | 4.0 | ND<br>1.7<br>4.3 | | | Gray SILT, trace Clay and fine Sand, faint odor, non-plastic, saturated. | |
| 15 / -15 | | | | | | | | |

BBL® an ARCADIS company

**Remarks:** NA = Not Available/Not Applicable; ND = Not Detected; bgs = below ground surface.

Project: 205.30.002 Template: j:\rockware\logplot2001\logfiles\20530\geoprobe2006.ldf *Page: 1 of 1*
Data File: BSB-06-10.dat Date: 5/22/06

# Admiral William F. Halsey
# Senior Village
# 135 Main Street
# Poughkeepsie, NY

# SOIL & GROUND WATER CONTAMINATION

# HEALTH & SAFETY PLAN

**Developed By:**
**Environmental Health Investigations, Inc.**
**655 West Shore Trail**
**Sparta, NJ 07871**

**On Behalf Of:**

**Admiral Halsey, LP**
**C/o Omni New York, LLC**
**884 Second Avenue**
**31st Floor, Suite C**
**New York, NY 10017**

**Alliant Credit Facility, Ltd ISAOA**
**Alliant Credit Facility, ALP, LLC ISAOA**
**1600 Oxnard Street, Suite 1200**
**Woodland Hills, CA 91367**

**New York State Housing Finance Agency**
**641 Lexington Avenue, 4th Floor**
**New York, NY 10022**

**Citigroup**
**Citibank, NA**
**One Court Square**
**45 Floor, Zone 12**
**Long Island City, NY 11120**

1. INTRODUCTION

This Health and Safety Plan establishes the policy for managing potential exposures to chemicals which exist in low concentrations within the soil and ground water associated with the Admiral William F. Halsey Senior Village property located at 135 Main Street in Poughkeepsie, New York. The specific intent of this program is to protect the health of occupants, visitors, custodial and maintenance personnel while they are on the property as well as any contractor or other entity that needs or is assigned to disturb the soil and/or ground water on this property. This program is designed to (1) prevent exposure to the existing soil and ground water for said persons; (2) provide means by which to prevent the migration of these contaminants; (3) provide a description of standard operating procedures to mitigate exposure for those persons who must disturb the soil and/or ground water; and (4) provide standard procedures regarding the monitoring of site conditions and exposure of those persons involved in soil and/or ground water disturbance. This plan will be in effect until it can be shown that all soil and ground water contamination has been eradicated.

This program shall go into effect upon acquisition of the property by Admiral Halsey, LP. The presence of contaminants in the soil and ground water on the property does not mean that the health of occupants in endangered. The levels of contamination found are low and potential health effects will only occur with direct exposure. Such exposures are not likely given the normal activities connected with the properties current use. However, some extraordinary activities, e.g., soil excavation, may cause persons to come in contact with and become exposed to the existing contaminants. By complying with all provisions of this Health & Safety plan, occupants will be assuring a safe building environment.

## 2. PROGRAM RESPONSIBILITIES

2.1 H&S Plan Coordinator

The Coordinator of this H&S Plan for Admiral Halsey Senior Housing Complex is Ms. Sue Kimmerle. The H&S Plan Coordinator can be reached at 845-626-9788. After normal business hours, or in the event of an emergency, contact Ms. Sue Kimmerle at 845-471-8194 or Mr. Paul Pancio at 845-625-8194. Responsibilities of the H&S Plan Coordinator are as follows:

1. Inform and respond to tenant, employee and contractor inquiries regarding the presence of soil and ground water contaminants.

2. Maintain records associated with this plan. These may include, but are not limited to, soil and ground water sampling data, records for personal exposure monitoring, manifests for soil and/or ground water disposal, and periodic surveillance data.

3. Coordinate activities and operations involving the disturbance of the property's sub-surface and/or ground water as required. Including assurance of use of proper protective equipment (PPE) by workers who may become exposed to contaminants, the provision of exposure monitoring to ensure the proper PPE is used and the proper decontamination of workers and used equipment that come into contact with contaminated soil and/or ground water.

4. Obtain and maintain all required permits and make all necessary notifications involving all interested local, state and federal agencies regarding the disturbance and possible storage or disposal of contaminated soil and/or ground water.

5. Coordinate for the characterization and proper storage and/or disposal of disturbed soils and/or ground water and keep and maintain all pertaining records, e.g., waste manifests.

4. Arrange and coordinate for the availability and provision of medical and emergency services as required.

## 3. INVENTORY OF SOIL & GROUND WATER CONTAMINATES ON THE PROPERTY

A Phase II investigation performed by Hillman Environmental Group, LLC in May 2007 included the collection and analysis of soil bore samples and ground water samples. The results of these analyses show that the soil and ground water appear to contain low levels of contamination by heavy metal and semi-volatile organic compounds most likely resulting from past operations, i.e. a coal gasification facility, conducted on this site and/or nearby sites. Provided below is a description of the chemical contaminates found and a description of their properties and established exposure limits. The OSHA permissible exposure limits represent the amount of a given chemical a worker can be exposed to within an eight hour time period as a time weighted average (TWA). The established Immediately Dangerous to Life and Health (IDLH) level for each chemical is also provided. This concentration represents the levels at which worker exposure can cause immediate mortality or severe health effects. The IDLH acts as a measure of a chemical's toxicity. The lower the IDLH concentration the more toxic the chemical. The information provided in this summary was collected utilizing the NIOSH Pocket Guide to Chemical Hazards (NIOSH Publication No. 2005-151) or available Material Safety Data Sheets (MSDS). The chemicals listed are those identified in the Phase II report which exceed the cleanup objectives promulgated under the NYDEC's *Technical and Administrative Guidance , 1994* (TAGM 4046) and referenced in the Phase II report.

| Chemical Name | Acetone (Soil) |
|---|---|
| OSHA PEL<br>IDLH | 1000 ppm TWA<br>2500 ppm |
| Exposure Routes | inhalation, ingestion, skin and/or eye contact |
| Incompatibilities & Reactivities | Oxidizers, Acids |
| Target Organs | Eyes, skin, respiratory system, central nervous system |
| Symptoms | Irritation eyes, nose, throat; headache, dizziness, central nervous system depression; dermatitis |
| PPE | Level D |
| First Aid | Eye: Irrigate immediately<br>Skin: Soap wash immediately<br>Breathing: Respiratory support<br>Swallow: Medical attention immediately |

| Chemical Name | Arsenic (Soil & Ground Water) |
|---|---|
| OSHA PEL<br>IDLH | 0.010 mg/$m^3$ TWA<br>5.0 mg/$m^3$ |
| Exposure Routes | Inhalation, Skin Absorption, Skin &/or Eye Contact |
| Incompatibilities & Reactivities | Strong Oxidizers, Bromide azide, Hydrogen gas can react w/ inorganic Arsenic to form highly toxic Arsine gas |
| Target Organs | Liver, Kidneys, Skin, Lungs, Lymphatic System<br>Possible Carcinogen - Lungs & Lymphatic System |
| Symptoms | Ulceration of nasal septum, dermatitis, gastrointestinal disturbances, peripheral neuropathy, respiratory irritation, hyperpigmentation of skin, [potential occupational carcinogen] |
| PPE | Level D |
| First Aid | Wash Skin w/ Soapy Water & Irrigate Eyes on Contact<br>If Swallowed Seek Immediate Medical Attention<br>Respiratory Support for Breathing |

| | |
|---|---|
| **Chemical Name** | **Beryllium (Soil & Ground Water)** |
| **OSHA PEL**<br>**IDLH** | **0.002 mg/m$^3$ TWA; 0.005 mg/m$^3$ Ceiling**<br>**4 mg/m$^3$** |
| **Exposure Routes** | **Inhalation, Skin &/or Eye Contact** |
| **Incompatibilities & Reactivities** | **Acids, Caustics, Chlorinated Hydrocarbons, Oxidizers, Molten Lithium** |
| **Target Organs** | **Eyes, Skin, Lungs, Respiratory System**<br>**Possible Carcinogen - Lungs** |
| **Symptoms** | **Berylliosis (Chronic Exposure), Eye Irritation, Dermatitis** |
| **PPE** | **Level D** |
| **First Aid** | **Wash Skin w/ Soapy Water & Irrigate Eyes on Contact**<br>**Breathing - Fresh Air** |

| | |
|---|---|
| **Chemical Name** | **2-Butanone (MEK) (Soil)** |
| **OSHA PEL**<br>**IDLH** | **200 ppm TWA**<br>**3000 ppm** |
| **Exposure Routes** | **inhalation, ingestion, skin and/or eye contact** |
| **Incompatibilities & Reactivities** | **Strong oxidizers, amines, ammonia, inorganic acids, caustics, isocyanates, pyridines** |
| **Target Organs** | **Respiratory System, Eyes, Skin, Central Nervous System** |
| **Symptoms** | **Irritation eyes, skin, nose; headache; dizziness; vomiting; dermatitis** |
| **PPE** | **Level D** |
| **First Aid** | **Eye: Irrigate immediately**<br>**Skin: Water wash immediately**<br>**Breathing: Fresh air**<br>**Swallow: Medical attention immediately** |

| Chemical Name | Cadmium (Ground Water) |
|---|---|
| OSHA PEL<br>IDLH | 0.005 mg/m$^3$ TWA<br>9 mg/m$^3$ |
| Exposure Routes | Inhalation, Ingestion |
| Incompatibilities & Reactivities | Strong Oxidizers, Elemental Sulfur, Selenium, Tellurium |
| Target Organs | Respiratory System, Kidney, Prostate, Blood<br>Possible Carcinogen - Prostate, Lungs |
| Symptoms | Pulmonary edema, dyspnea (breathing difficulty), cough, chest tightness, substernal (occurring beneath the sternum) pain; headache; chills, muscle aches; nausea, vomiting, diarrhea; anosmia (loss of the sense of smell), emphysema, proteinuria, mild anemia; [potential occupational carcinogen] |
| PPE | Level D |
| First Aid | Wash Skin w/ Soapy Water & Irrigate Eyes on Contact<br>If Swallowed Seek Immediate Medical Attention<br>Respiratory Support for Breathing |

| Chemical Name | Chromium (Soil & Ground Water) |
|---|---|
| OSHA PEL<br>IDLH | 1.0 mg/m$^3$ TWA<br>250 mg/m$^3$ |
| Exposure Routes | Inhalation, Ingestion, Skin &/or Eye Contact |
| Incompatibilities & Reactivities | Strong Oxidizers, Alkalis |
| Target Organs | Respiratory System, Eyes, Skin |
| Symptoms | Irritation eyes, skin; lung fibrosis (histologic) |
| PPE | Level D |
| First Aid | Wash Skin w/ Soapy Water & Irrigate Eyes on Contact<br>If Swallowed Seek Immediate Medical Attention<br>Respiratory Support for Breathing |

| Chemical Name | Copper (Soil & Ground Water) |
|---|---|
| OSHA PEL<br>IDLH | 1.0 mg/m$^3$ TWA<br>100 mg/m$^3$ |
| Exposure Routes | Inhalation, Ingestion, Skin &/or Eye Contact |
| Incompatibilities & Reactivities | Oxidizers, Alkalis, Sodium azide, Acetylene |
| Target Organs | Respiratory System, Eyes, Skin, Liver, Kidneys (increased risk of Wilson's Disease) |
| Symptoms | Irritation eyes, respiratory system; cough, dyspnea (breathing difficulty), wheezing; [potential occupational carcinogen] |
| PPE | Level D |
| First Aid | Wash Skin w/ Soapy Water & Irrigate Eyes on Contact<br>If Swallowed Seek Immediate Medical Attention<br>Respiratory Support for Breathing |

| Chemical Name | Lead (Soil & Ground Water) |
|---|---|
| OSHA PEL<br>IDLH | 1.0 mg/m$^3$ TWA<br>100 mg/m$^3$ |
| Exposure Routes | Inhalation, Ingestion, Skin &/or Eye Contact |
| Incompatibilities & Reactivities | Oxidizers, Alkalis, Sodium azide, Acetylene |
| Target Organs | Respiratory System, Eyes, Skin, Liver, Kidneys (increased risk of Wilson's Disease) |
| Symptoms | Irritation eyes, respiratory system; cough, dyspnea (breathing difficulty), wheezing; [potential occupational carcinogen] |
| PPE | Level D |
| First Aid | Wash Skin w/ Soapy Water & Irrigate Eyes on Contact<br>If Swallowed Seek Immediate Medical Attention<br>Respiratory Support for Breathing |

| **Chemical Name** | **Mercury (Soil & Ground Water)** |
|---|---|
| **OSHA PEL**<br>**IDLH** | **0.05 mg/m$^3$ TWA. 0.1 mg/m$^3$ Ceiling**<br>**10 mg/m$^3$** |
| **Exposure Routes** | **Inhalation, Skin Absorption, Ingestion, Skin &/or Eye Contact** |
| **Incompatibilities** & Reactivities | **Acetylene, ammonia, chlorine dioxide, azides, calcium (amalgam formation), sodium carbide, lithium, rubidium, copper** |
| **Target Organs** | **Respiratory System, Eyes, Skin, Central Nervous System, Kidneys** |
| **Symptoms** | **Irritation eyes, skin; cough, chest pain, dyspnea (breathing difficulty), bronchitis, pneumonitis; tremor, insomnia, irritability, indecision, headache, lassitude (weakness, exhaustion); stomatitis, salivation; gastrointestinal disturbance, anorexia, weight loss; proteinuria** |
| **PPE** | **Level D** |
| **First Aid** | **Wash Skin w/ Soapy Water & Irrigate Eyes on Contact**<br>**If Swallowed Seek Immediate Medical Attention**<br>**Respiratory Support for Breathing** |

| **Chemical Name** | **Nickle (Soil & Ground Water)** |
|---|---|
| **OSHA PEL**<br>**IDLH** | **1 mg/m$^3$ TWA**<br>**10 mg/m$^3$** |
| **Exposure Routes** | **inhalation, ingestion, skin and/or eye contact** |
| **Incompatibilities & Reactivities** | **Strong acids, sulfur, selenium, wood & other combustibles, nickel nitrate** |
| **Target Organs** | **Respiratory System, Eyes, Skin, Central Nervous System, Kidneys - Possible Carcinogen - Lung & Nasal** |
| **Symptoms** | **Sensitization dermatitis, allergic asthma, pneumonitis; [potential occupational carcinogen]** |
| **PPE** | **Level D** |
| **First Aid** | **Water Flush Immediately**<br>**If Swallowed Seek Immediate Medical Attention**<br>**Respiratory Support for Breathing** |

| | |
|---|---|
| **Chemical Name** | **Selenium (Soil & Ground Water)** |
| **OSHA PEL**<br>**IDLH** | **0.2 mg/m$^3$ TWA. 0.1 mg/m$^3$ Ceiling**<br>**1 mg/m$^3$** |
| **Exposure Routes** | **inhalation, ingestion, skin and/or eye contact** |
| **Incompatibilities & Reactivities** | **Acids, strong oxidizers, chromium trioxide, potassium bromate, cadmium** |
| **Target Organs** | **Eyes, skin, respiratory system, liver, kidneys, blood, spleen** |
| **Symptoms** | **Irritation eyes, skin, nose, throat; visual disturbance; headache; chills, fever; dyspnea (breathing difficulty), bronchitis; metallic taste, garlic breath, gastrointestinal disturbance; dermatitis; eye, skin burns; in animals: anemia; liver necrosis, cirrhosis; kidney, spleen damage** |
| **PPE** | **Level D** |
| **First Aid** | **Eye: Irrigate immediately**<br>**Skin: Soap wash immediately**<br>**Breathing: Respiratory support**<br>**Swallow: Medical attention immediately** |

| | |
|---|---|
| **Chemical Name** | **Zinc (Soil & Ground Water)** |
| **OSHA PEL**<br><br>**IDLH** | **OSHA PEL†: TWA 5 mg/m$^3$ (fume) TWA 15 mg/m$^3$ (total dust) TWA 5 mg/m$^3$ (resp dust)**<br>**500 mg/m$^3$** |
| **Exposure Routes** | **inhalation, ingestion, skin and/or eye contact** |
| **Incompatibilities & Reactivities** | **Chlorinated rubber (at 419°F), water [Note: Slowly decomposed by water.]** |
| **Target Organs** | **Respiratory system** |
| **Symptoms** | **Metal fume fever: chills, muscle ache, nausea, fever, dry throat, cough; lassitude (weakness, exhaustion); metallic taste; headache; blurred vision; low back pain; vomiting; malaise (vague feeling of discomfort); chest tightness; dyspnea (breathing difficulty), rales, decreased pulmonary function** |
| **PPE** | **Level D** |
| **First Aid** | **Breathing: Respiratory support** |

| Chemical Name | Benzo(a)nthracene (Soil & Ground Water) |
|---|---|
| OSHA PEL<br>IDLH | Not Available<br>Not Available |
| Exposure Routes | inhalation, ingestion, skin and/or eye contact |
| Incompatibilities & Reactivities | Not Available |
| Target Organs | Not Available - Possible Carcinogen |
| Symptoms | Not Available |
| PPE | Level D |
| First Aid | Breathing: Fresh air, rest.<br>Skin: Remove contaminated clothes.<br>Rinse and then wash skin with water<br>Eyes: First rinse with plenty of water for<br>several minutes (remove contact<br>lenses if easily possible), then take to<br>Ingestion: Rinse mouth. |

| Chemical Name | Benzo(a)pyrene as Pyrene (Soil & Ground Water) |
|---|---|
| OSHA PEL<br>IDLH | 0.2 $mg/m^3$ TWA. 0.1 $mg/m^3$ Ceiling<br>80 $mg/m^3$ |
| Exposure Routes | inhalation, skin and/or eye contact |
| Incompatibilities & Reactivities | Strong oxidizers |
| Target Organs | skin, respiratory system, liver, kidneys |
| Symptoms | Dermatitis, bronchitis, [potential occupational carcinogen] |
| PPE | Level D |
| First Aid | Eye: Irrigate immediately<br>Skin: Soap wash immediately<br>Breathing: Respiratory support<br>Swallow: Medical attention immediately |

| | |
|---|---|
| **Chemical Name** | **Chrysene (Soil & Ground Water)** |
| **OSHA PEL**<br>**IDLH** | **0.2 mg/m$^3$ TWA. 0.1 mg/m$^3$ Ceiling**<br>**80 mg/m$^3$** |
| **Exposure Routes** | **inhalation, skin and/or eye contact** |
| **Incompatibilities & Reactivities** | **Strong oxidizers** |
| **Target Organs** | **skin, respiratory system, liver, kidneys** |
| **Symptoms** | **Dermatitis, bronchitis, [potential occupational carcinogen]** |
| **PPE** | **Level D** |
| **First Aid** | **Eye: Irrigate immediately**<br>**Skin: Soap wash immediately**<br>**Breathing: Respiratory support**<br>**Swallow: Medical attention immediately** |

| | |
|---|---|
| **Chemical Name** | **Indeno(1,2,3-cd))pyrene as Pyrene (Ground Water)** |
| **OSHA PEL**<br>**IDLH** | **0.2 mg/m$^3$ TWA. 0.1 mg/m$^3$ Ceiling**<br>**80 mg/m$^3$** |
| **Exposure Routes** | **inhalation, skin and/or eye contact** |
| **Incompatibilities & Reactivities** | **Strong oxidizers** |
| **Target Organs** | **skin, respiratory system, liver, kidneys** |
| **Symptoms** | **Dermatitis, bronchitis, [potential occupational carcinogen]** |
| **PPE** | **Level D** |
| **First Aid** | **Eye: Irrigate immediately**<br>**Skin: Soap wash immediately**<br>**Breathing: Respiratory support**<br>**Swallow: Medical attention immediately** |

Exact information pertaining to the characteristics of and exposure limits for the following chemicals could not be found: benzo(b)fluoranthene, benzo(k)fluoranthene and dibenzo(a,h)anthracene.

## 4. Operational Procedures

These procedures are to be employed concerning any action that may cause the disturbance of the sub-surface of the property and/or ground water and may possibly cause residents, employees, contractors, etc. to come in contact with the same.

1. The effected workers, contractors, residents, etc. shall be informed of the presence of possibly contaminated soil and ground water. They are to be informed about precautions, including the use of PPE, to be used to prevent contact with and exposure to any potentially contaminated soil and/or ground water. The minimum level of PPE used should be Level D protection. This would include the wearing of dedicated work clothing that covers the whole body, dedicated work shoes or the wearing of boots that can be washed clean, gloves, safety glasses and hard hat. It is also important that safety precautions associated with the use of any tools or machinery be strictly adhered to.

2. The area (zone) in which any drilling, digging, excavating and any other sub-surface work is to be performed should be demarcated and secured so as only those authorized and properly protected may enter. This may include the erection of fencing or barricades around the perimeter of the work zone and/or the use of security personnel.

3. In order to mitigate possible exposure all excavation, digging, drilling, etc. of soil should be accompanied by measures for dust suppression. This would include the application of water to the soil during the conduct of these tasks so as to significantly lessen the probability the soil would become airborne and create breathable dust.

4. All excavated or removed soil or groundwater should be collected and stored in a designated area within the secured work zone. This may entail the collection and storage of ground water in drums. When active work is not being conducted any collected soil should be covered, e.g., by tarping, and measures should be taken to ensure that run-off and erosion of the collected soil does not take place. This could include the placement of a barrier, e.g., hay bales, around the base of the collected soil.

5. Measures would need to be taken to ensure that disturbed soil is not transferred outside the secured work zone. This would include the establishment of a equipment wash area in which any machinery , tools and soil apparel, e.g. dirt work boots, be cleaned of soil that may become attached to them. Water used to cleanse the soiled machinery, tools, equipment, etc. should be collected and drummed until a determination can be made whether it should be disposed of as contaminated or not.

6. Any soil and/or groundwater to be taken out of the secured work zone should first be categorized by a qualified entity to determine whether the soil and/or groundwater being removed would need to be transported and disposed of as a hazardous material. If so categorized, the soil and/or ground water must be packaged, transported and disposed of in accordance with all applicable local, state and federal regulations. It would be the responsibility of the H&S coordinator to ensure that all necessary notifications are completed and all pertinent records, e.g., waste manifests, are obtained and properly filed.

7. It is imperative that the safety of all workers involved in the conduct of work that will cause the disturbance of the soil subsurface and/or groundwater at this site be protected. This would include that the appropriate PPE is used and that all safety measures involving all potential physical and environmental hazards be provided for and adhered to. Included in this would be protection from extremes in weather conditions. Provisions should be made to protect the workers from exposure to harmfully cold temperatures and from the advent of heat stress or stroke.

8. An emergency response program should be instituted and maintained. This would include making all necessary coordinations with local emergency response departments and the provision of timely medical care. A buddy system should be in place so that if a worker is injured or infirmed, aid can be quickly provided. The phone number for, and a route to, the nearest hospital emergency room should be made available to the effected workers and conspicuously posted at the work site.

9. To help ensure that the possibility of exposure to workers is removed, no smoking, eating, or drinking is to be allowed in the work zone. The workers should smoke, eat and drink only in dedicated areas away from the work zone. Provision of a means by which the workers may clean themselves when exiting the work zone should be made. Also a dedicated rest room to be used only by the workers should be provided.

10. Until final categorization of any disturbed soil and/or groundwater is made, all used, soiled or wetted clothing worn by the workers should not be taken off site. If the disturbed soil and/or groundwater and, thereby, the used clothing is deemed contaminated, the clothing is to be collected and disposed of with the soil and/or groundwater. The workers should be provided an area in which they may make a change between work and street clothing at the start and the end of each work shift.

11. It is recommended that personal monitoring of the workers be conducted by a qualified entity in order to provide a worker exposure assessment and to ensure the proper PPE is being employed.

Questionnaire Not Supplied Before Report Issuance

# APPENDIX D

# HISTORICAL RECORDS DOCUMENTATION

**Admiral Halsey - New Construction**
135 Main Street
Poughkeepsie, NY 12601

Inquiry Number: 5587159.5
March 13, 2019

# The EDR-City Directory Image Report

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

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## SECTION

**Executive Summary**

**Findings**

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***Thank you for your business.***
Please contact EDR at 1-800-352-0050
with any questions or comments.

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# EXECUTIVE SUMMARY

## DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

## RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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## RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

| Year | Target Street | Cross Street | Source |
|---|---|---|---|
| 2014 | ☑ | ☑ | EDR Digital Archive |
| 2010 | ☑ | ☑ | EDR Digital Archive |
| 2005 | ☑ | ☑ | EDR Digital Archive |
| 2000 | ☑ | ☑ | EDR Digital Archive |
| 1995 | ☑ | ☑ | EDR Digital Archive |
| 1992 | ☑ | ☑ | EDR Digital Archive |
| 1988 | ☑ | ☑ | Polk's City Directory |
| 1985 | ☑ | ☑ | Polk's City Directory |
| 1980 | ☑ | ☑ | Polk's City Directory |
| 1975 | ☑ | ☑ | Polk's City Directory |
| 1970 | ☑ | ☑ | Polk's City Directory |
| 1963 | ☑ | ☑ | Polk's City Directory |
| 1948 | ☑ | ☑ | Polk's City Directory |
| 1942 | ☑ | ☑ | Polk's City Directory |

# EXECUTIVE SUMMARY

| ***Year*** | ***Target Street*** | ***Cross Street*** | ***Source*** |
|---|---|---|---|

# FINDINGS

## TARGET PROPERTY STREET

135 Main Street
Poughkeepsie, NY 12601

| *Year* | *CD Image* | *Source* |
|---|---|---|
| **MAIN ST** | | |
| 2014 | pg A2 | EDR Digital Archive |
| 2010 | pg A17 | EDR Digital Archive |
| 2005 | pg A34 | EDR Digital Archive |
| 2000 | pg A50 | EDR Digital Archive |
| 1995 | pg A57 | EDR Digital Archive |
| 1992 | pg A61 | EDR Digital Archive |
| 1988 | pg A70 | Polk's City Directory |
| 1988 | pg A71 | Polk's City Directory |
| 1988 | pg A72 | Polk's City Directory |
| 1985 | pg A74 | Polk's City Directory |
| 1985 | pg A75 | Polk's City Directory |
| 1985 | pg A76 | Polk's City Directory |
| 1980 | pg A78 | Polk's City Directory |
| 1980 | pg A79 | Polk's City Directory |
| 1980 | pg A80 | Polk's City Directory |
| 1975 | pg A82 | Polk's City Directory |
| 1975 | pg A83 | Polk's City Directory |
| 1970 | pg A85 | Polk's City Directory |
| 1970 | pg A86 | Polk's City Directory |
| 1970 | pg A87 | Polk's City Directory |
| 1963 | pg A89 | Polk's City Directory |
| 1963 | pg A90 | Polk's City Directory |
| 1963 | pg A91 | Polk's City Directory |
| 1963 | pg A92 | Polk's City Directory |
| 1948 | pg A94 | Polk's City Directory |
| 1948 | pg A95 | Polk's City Directory |
| 1948 | pg A96 | Polk's City Directory |
| 1948 | pg A97 | Polk's City Directory |
| 1948 | pg A98 | Polk's City Directory |
| 1942 | pg A101 | Polk's City Directory |

# FINDINGS

| ***Year*** | ***CD Image*** | ***Source*** |
|---|---|---|
| 1942 | pg A102 | Polk's City Directory |
| 1942 | pg A103 | Polk's City Directory |
| 1942 | pg A104 | Polk's City Directory |

# FINDINGS

## CROSS STREETS

| *Year* | *CD Image* | *Source* |
|---|---|---|
| **N PERRY ST** | | |
| 2014 | pg. A16 | EDR Digital Archive |
| 2010 | pg. A33 | EDR Digital Archive |
| 2005 | pg. A49 | EDR Digital Archive |
| 2000 | pg. A56 | EDR Digital Archive |
| 1995 | pg. A60 | EDR Digital Archive |
| 1992 | pg. A69 | EDR Digital Archive |
| 1988 | pg. A73 | Polk's City Directory |
| 1985 | pg. A77 | Polk's City Directory |
| 1980 | pg. A81 | Polk's City Directory |
| 1975 | pg. A84 | Polk's City Directory |
| 1970 | pg. A88 | Polk's City Directory |
| 1963 | pg. A93 | Polk's City Directory |
| 1948 | pg. A100 | Polk's City Directory |
| 1948 | pg. A99 | Polk's City Directory |
| 1942 | pg. A105 | Polk's City Directory |

# City Directory Images

| Target Street | Cross Street | Source |
|---|---|---|
| ✓ | - | EDR Digital Archive |

# MAIN ST 2014

| | |
|---|---|
| 1 | ICEHOUSE |
| | POST YOUR ACCOUNT |
| 10 | MAGHNOUJ, ABDEL |
| 14 | PEREZ, JUVENTINO |
| 15 | CUNNINGHAM, DALE |
| 21 | CULPIN, WILLIAM |
| 27 | OWENS, TRISTIN |
| 33 | KRITSKY, MICHAEL |
| 35 | AKARI SUSHI & JAPANESES FOOD |
| | BROTHERS DUO ENTERPRISES LTD |
| 41 | LAZ PARKING LTD LLC |
| | METRO-NORTH COMMUTER RR CO |
| | OCCUPANT UNKNOWN, |
| 56 | PAGGI MARTIN & DEL BENE LLP |
| 70 | COFFEY, JOHN |
| 78 | ZMIYARCH, JOSEPH A |
| 96 | HUERTA, DAVID |
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| 105 | OCCUPANT UNKNOWN, |
| | WEST INDIES MARKET |
| 107 | SOUL DOG |
| 108 | WERCHEN, TESSIE |
| 109 | LI, TING |
| | REYES, ESTELLA L |
| | SMITH, URIAH |
| 110 | ALDAN DEMETRIO DR |
| | C OF C POUGHKEEPSIE AREA |
| | MALLEOLO ASSOCIATES INC |
| 111 | EMILIANOS PIZZA |
| | MENDEZ, HUGO H |
| 113 | MANN, LYNNETTE M |
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| | SORIANO, ELDER R |
| | WING, RICHARD |
| 115 | MILANESE INC |
| 119 | HENNEKENS, MARY |
| 132 | AQUILINO, VINCENT |
| 135 | ANGELO, VIVIAN |
| | ATKIS, SANDA D |
| | BACON, DORIS P |
| | BARDINI, RENATO P |
| | BENKOCZY, RAYMOND |
| | BISHOP, LEONARD |

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| | |
| --- | --- |
| 135 | BRADFORD, JACQUELINE |
| | BUTLER, HOWARD R |
| | BUTLER, LINDA |
| | CASH, LANZDALE A |
| | CHANDLER, JEFFREY E |
| | CHANEY, LEROY |
| | CLEMMONS, MARION A |
| | COLE, ROSEMARY A |
| | COLEMAN, EBONY |
| | COLLIER, HELEN |
| | COLMENERO, RUTH M |
| | CRUZ, SONIA M |
| | DANCEY, ELEASE O |
| | DELGADO, GREGORI |
| | DERELLO, DONALD S |
| | DIAZ, PATRICIA A |
| | DOUGLASS, PHILLIP M |
| | EDWARDS, GERALDINE A |
| | EVANS, ANN C |
| | FERRO, BARBARA |
| | FIGUEROA, ORLANDO L |
| | FIQUERAS, CARMEN M |
| | FUENTES, SAMUEL N |
| | GARCIA, CARMEN |
| | GAYNOR, LAURENCE F |
| | GIANNOS, JOANNOS |
| | GOINS, GLEN A |
| | HARGROVE, ROOSEVELT |
| | HART, HEYWOOD M |
| | HAYES, PATRICIA |
| | HITE, CAROL L |
| | IMPERATI, CAROL |
| | JONES, JOSHUA |
| | JOY, SUSAN E |
| | LEMQUIST, JANET E |
| | LETUS, MARK |
| | LEVERETTE, WALTER L |
| | LIER, FREDERICK C |
| | LYNN, EDWARD L |
| | LYONS, ANNIE R |
| | MARSHALL, MARY |
| | MASTROCCO, TONI N |
| | MAZZEO, DONNA |
| | MCCAIN, MINNIE S |
| | MCCULLOUGH, BRENDA |
| | MEDDAUGH, ALBERT E |
| | MESSINA, FRANCIS |
| | MOSSAKOWSKI, BERNARD M |
| | MURPHY, POLLY |
| | NABORS, LAWRENCE A |

## MAIN ST 2014 (Cont'd)

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| --- | --- |
| 135 | PADILLO, IRIS M |
| | PASQUA, LUCY |
| | PELISH, ANN M |
| | PEREA, PAUL |
| | PITTMAN, LARRY |
| | POPE, JOHNNIE N |
| | QUARLES, PEARL M |
| | RICCO, FRANCES R |
| | RIVERA, MYRIAM |
| | ROBERTSON, ESTELLE C |
| | ROGOSKI, IRENE T |
| | ROMAN, WILLIAM P |
| | ROTH, GERALDINE M |
| | RUFFIN, AUDRIANNA P |
| | SECRETO, MICHAEL V |
| | SENGSTOCK, FREDERICK F |
| | SHAW, GLORIA |
| | SIEBEL, JACK S |
| | SIGUERAS, CARMEN |
| | SIMMONS, ROBERT R |
| | SIMONS, ROGER E |
| | SULLIVAN, JOHN |
| | TANCREDI, MILDRED |
| | THOMPSON, TIFFANY J |
| | THURST, MARY H |
| | TILLERY, DOROTHY A |
| | TROCINO, HELEN C |
| | UNDERHILL, BRIAN A |
| | UNGER, ETHEL E |
| | VAZQUEZ, MARIAM |
| | WALSH, VERA A |
| | WYATT, HENRY E |
| 137 | DIANA, V |
| 140 | SCHMIDT, KAREN E |
| 149 | SUCATO, COSMA |
| 157 | KLEIN, JOANNE L |
| 161 | DAWKIN, ALBERTON |
| 167 | SWEENEY, KATHY |
| 190 | SOTO, ALEXANDER |
| 192 | BROWN, GENO |
| | PERRY, SCOTT A |
| | RYAN, MICHAEL K |
| | SEALS, ALGION R |
| 194 | ACKERT, MARTHA |
| | AIKEN, STEPHEN |
| | BOWES, ANDRENE |
| | COLARUSSO, KATIE |
| | HALL, N |
| | JACKSON, PAT J |
| | KRAVITZ, CHARLES H |

## MAIN ST 2014 (Cont'd)

| | |
| --- | --- |
| 194 | LARKSMY, WILSON |
| | MURDAUGH, MAURICE W |
| | RIQUELME, ERIC |
| | SPAGNA, ANGELA |
| | WILLIAMS, SOPHIA |
| | WILSON, LARKSMY |
| 196 | GETHERS, SHARON S |
| | WHITE, TANYA |
| 198 | CHRISTANE, RANDOLPH |
| | CONLEY, CHRISTIAN |
| | ENOS, KHALID |
| | RICKARD, ELISHA |
| | SHAHINIAN ALBERT FINE ART |
| | THIS THAT AFRCAN HAIR BRAIDING |
| 200 | BALL, ALLEN |
| | BOYCE, MICHAEL |
| | CUTTING BOARD |
| | HERRING, KENNETH |
| | LENT, ROSE |
| | LOWN, CATHERINE F |
| | LYNN, MARY |
| | MORALES, JOSE |
| | WORDEN, JOSHUA |
| 202 | CURTIS, GARY N |
| | GONZALEZ, ARIEL |
| | HUDSON HOUSE PARK INCORPORATED |
| | HUSTON, DIANNA J |
| 204 | 24/7 REALTY INC |
| | 247 REO SERVICES INC |
| | TOBAK, LORA |
| | WILLIAMS, CHARLENE |
| 205 | ECKERSON, MARIE |
| 206 | 206 EAST MAIN STREET RLTY CORP |
| | JESTES, ROGER C |
| | MOJICA, JOSHUA |
| | ROYSTER RESTAURANT INC |
| 208 | BENNETT, ANDRE |
| | CESTONE, LAUREN |
| | FRANCIS, BETTY A |
| | GRIER, SHAQUEEN |
| | GRIFFIN, JOCELYN |
| | HOWELL, SUZANNE J |
| | ISAAC, STANELY |
| | KILLEN, TEE |
| | MACKAY, EMILY |
| | MARRERO, JANET |
| | MILLER, JAMES J |
| | SASSANO, TARA |
| | SKELLAN, RYAN |
| | STEVENS, WHITNEY |

## MAIN ST 2014 (Cont'd)

| | |
| --- | --- |
| 208 | TILSON, HOLLY |
| | TORRES, FRANCISCO |
| 210 | ARRABACA, ANDREW J |
| | DAVIS, JOSEPHINE |
| | FOX, DONALD |
| | GARY, ANTOINE |
| | HAUSER, JOSEPH M |
| | HERRING, SHAQUISE |
| | HITES, JESSICA |
| | JOHNSON, TIFFANY L |
| | JONES, CAROLYN |
| | MARMO, MICHELLE |
| | OBRIAN, KATHLEEN |
| | OBRIEN, KATIE |
| | PICCONE AND GOLD |
| | SCHWARTZ, DANIEL A |
| | SIEH, ALBERT |
| | SMITH, MICHAEL A |
| | STILLMAN, DANIEL L |
| | TEJADA, LESVIA |
| | TODMAN, KENNETH |
| | TORRES, CHRISTINE A |
| | WALLACE, DENA J |
| | WOOD, BRANDON |
| 214 | J M S LAW OFFICE |
| | LAW OFFICE OF JONNA M SPILBOR |
| 218 | CREATIVE TRENDZ |
| | NESHEIWAT FIRAS |
| 220 | BEHUNIAK, HEATHER |
| | BOWMAN, GEORGE U |
| | CHU, DEBBIE S |
| | EADY, WILLIE J |
| | HUMES, KENYA |
| | RHAMES, NAKIA S |
| | SCISM, MARK W |
| | WAGNER, CHRISTINE M |
| 226 | FREDA, A |
| 228 | DUTCHESS COUNTY OF |
| 234 | JANSEN, DAVID C |
| 235 | ATTORNEY GEN NEW YORK STATE |
| | DUTCHESS COUNTY ONE STOP |
| | HUDSON VALLEY CMNTY SVCS INC |
| 236 | DUTCHESS COUNTY OF |
| | SMITH, MARJORIE |
| 242 | LOPEZ, HECTOR |
| 246 | VALUE VISION |
| 248 | NUBIAN DIRECTIONS II INC |
| 249 | EAGLE RIVERVIEW GROUP INC |
| | KHAN KAREN LAW OFFICE OF |
| | LAW OFFICES OF GILBERT WEST |

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## MAIN ST 2014 (Cont'd)

| | |
|---|---|
| 250 | NUBIAN DIRECTIONS INC |
| 256 | DALLEO GROUP INC |
| 268 | ANGIOLILLO, DONNA |
| 270 | THRIFTY CHECK CASHING |
| 272 | MAIN PRINTING |
| 274 | PIERRE, JEAN |
| 276 | ORIGIN COMMUNICATIONS |
| | VERGILIS STNGER RBRTS PRGAMENT |
| 281 | CITY FOOTWEAR NY INC |
| 283 | MAIN STREET PIZZA & CA |
| 285 | JPMORGAN CHASE BANK NAT ASSN |
| 294 | BRASSERIE 292 |
| 298 | CITYLIQUOR & WINE |
| 299 | 2 FAT CATS INC |
| | LIMOUSINE BY AJ INC |
| | ZEIDAN RAJI |
| 300 | 911 UNIFORMS |
| 302 | CHROME ENTERPRISES INC |
| 303 | SINGH, SCHANDRA |
| | TUBERVILLE, JERED |
| 304 | BESS, JOSEPH I |
| 305 | OCCUPANT UNKNOWN, |
| 306 | SPECTRUM EDU SOLUTIONS LLC |
| | SPECTRUM GRAPHICS & PRINT |
| 307 | ARTIST PALATE |
| 309 | GATEWAY TO ENTREPR TOMORR INC |
| | MCR BUSINESS SOLUTIONS |
| | RAPHAEL, AIYISHA |
| | REEDER, WANDA |
| | WATSON, CHARLENE V |
| 313 | CHINA DOLL |
| | LIN, XIAO |
| 315 | COOPER, J |
| | MORALES, JEREMY |
| | PK DELI AND CONVENIENCE INC |
| 317 | 317 MAIN MALL CORP |
| | BUDNIK ROY T & ASSOCIATES |
| | MIDHUDSON HERITAGE CENTER |
| 319 | A4 INTERNATIONAL ENT LLC |
| | HANKIN HNIG STALL CAPLICKI LLP |
| | MICROCOMPUTER OFFICE CONNECTNS |
| 320 | SMART SATELLITE & MORE INC |
| 322 | ALLEN, KRISTINE |
| | CAMPBELL, KRISTINE |
| | DIRTON, M |
| | FITZGERALD, PATRICK |
| | MY PLACE RESTAURANT |
| 324 | SEJAL PHARMACY INCORPORATED |
| 325 | LITERACY CONNECTIONS DC INC |
| | PROLITERACY WORLDWIDE |

## MAIN ST 2014 (Cont'd)

| | |
| --- | --- |
| 325 | QUEEN CITY ABSTRACT CORP |
| | WALNUT LANE MANAGEMENT CORP |
| 328 | DIGRANDI, GEORGE |
| | LA INTERNACIONAL |
| | SERVICE COMMUNICATION INTERNAT |
| 329 | CAVIGLIA MARCO ATTY |
| 330 | LISCHER, JENNIFER A |
| 331 | CHOCOLATEVALLEYCOM INC |
| 332 | SOCIAL SECURITY ADMINISTRATION |
| | US SOCIAL SECURITY ADM |
| 343 | NOVEDADES Y FLORERIA MONTALVA |
| 345 | NU TRIBE BARBER SHOP |
| 347 | CELL DATA LLC |
| 348 | OCCUPANT UNKNOWN, |
| 350 | BARTHOLOMEW-SPEERS, NICOLE |
| 352 | HY BROTHERS DELI GROCERY INC |
| 353 | SMALLS, TASHONA D |
| 354 | IQBAL, AMJAD |
| | SARA MEDICAL CARE PLLC |
| | SARA MEDICAL CENTER |
| 355 | 2ND CIRCUIT COURT |
| 356 | BUTLER, LETITIA |
| | NEODYME |
| | SANTIAGO, JAGAIDA |
| | TISSIERA, CHANEL L |
| | WHITE, NATASHA |
| 358 | AUSTIN KYLE BARBER STUDIO INC |
| | MEADOW, JORDAN |
| | SIMMONS, CIERRA |
| 360 | FORREST, ADAM C |
| | HARRIS, PATRICIA D |
| | SIKORA, CHRISTOPHER |
| 364 | BELL, MELISSA R |
| | KING FRIED CHICKEN |
| 366 | BADGER, DEREK |
| | LEMMON, SHYNIECE |
| | VALENTINE, DASHAWN |
| 367 | ARAGON, INCORPOR |
| | NUDDY IRISHMEN |
| | STYLES HAIR SALON |
| 368 | DONNELL, DANA |
| | XIN HE INC |
| 370 | CHEN, FEI H |
| 375 | HUDSON VALLEY OFFICE FURN INC |
| 380 | CORTEZ, BENJAMIN C |
| | EBONY HAIR STYLISTS INC |
| | GUILLERMINA CRUZ |
| 381 | ANTYRICE SALON & SPA |
| 383 | SYNY BEAUTY SUPPLY INC |
| 384 | ANAS BEAUTY SALON UNISEX CORP |

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## MAIN ST 2014 (Cont'd)

| | |
|---|---|
| 384 | ANAS, B |
| | YAJAIRA BEAUTY SALON |
| 386 | CASA BLANCA GROCERY INC |
| 388 | OCCUPANT UNKNOWN, |
| 392 | ACCESSORIES R US |
| | DIAL WITH STYLE |
| 395 | MARISCOS DE ACAPULCO |
| | OCCUPANT UNKNOWN, |
| 396 | KING RICHARD HAIR STYLIST |
| 399 | CROWDER, BRANDI |
| | TILLERY, JAMES E |
| | WOZNIAK, THOMAS |
| 400 | FRESH CUT BARBERS |
| | NELLYS RESTURANT |
| | POUGHKEEPSIE EXPRESS DELI |
| | STOKES, CARLISA A |
| 403 | CASANOVA, DAVID |
| 404 | CUDEMO, JENNIFER |
| 411 | CHILL GRILL RESTAURANT LLC |
| | CONGRESS TAVERN INC |
| | EL PATRON NY MEXICAN CUISINE |
| 412 | FAMILY DOLLAR STORES OF NY |
| | LEXINGTON CENTER |
| 424 | 424 MAIN ST FOOD CORP |
| | LA POBLANITA |
| 425 | BRANCH, SANDRA |
| | BROWN, LADEERA |
| | FORD, YADAYA M |
| | GREEN, SHEREE F |
| | HORTON, SHAREE |
| | JACKSON, LATISHA L |
| | JOHNSON, ROSALIE A |
| | JORDAN, JENNIFER E |
| | LUPO, P |
| | MACKEY, ANTHONY |
| | MILEY, GLORIA |
| | MYERS, JAQUIN |
| | PAULINO, RAFAEL |
| | PITTMAN, RAHEEM |
| | POLANCO, GUADI |
| | PRAET, GERARD W |
| | TILLMAN, CHRISTINA |
| 430 | REIMER, PAUL |
| 435 | APONTE, JAMES |
| | BAKER, NKEBA |
| | BREGLIA, JULIANA |
| | CLARK, ALIJA |
| | DALMACY, FABIENNE F |
| | GILES, JA |
| | GOODMAN, BILLIE |

## MAIN ST 2014 (Cont'd)

| | |
| --- | --- |
| 435 | GWATHNEY, TIFFANY |
| | HAYLETT, SHONTICE |
| | HEYLETT, SHONTICE |
| | JOHNSON, PRECIOUS S |
| | JOYNER, ROSALYN |
| | KRAUSER, FRANK W |
| | PENNROSE MANAGEMENT COMPANY |
| | RYER, TORI I |
| | SEAY, NATOSHA |
| | TAYLOR, FRANCIS |
| | WILLIAMS, VIRGINIA |
| 437 | WISLIANE FASHION |
| 442 | HAYLETT, PAULIANN |
| | KENDALL, ANDREW M |
| | LA BAHIA |
| | THIGPEN, CHARLES E |
| 443 | GLOBAL EXPRESS |
| 444 | MASTROENI JOSEPH |
| 445 | BAILEY, RILLA |
| | BARNES, DAVID |
| | BENJAMIN, VALENTINE V |
| | DAUGHTRY, EVERET |
| | GIRWAR, CAMILITA |
| | GREEN, DAZELL D |
| | KEMP, AALIYAH |
| | LINDA, GREEN |
| | NELTHROPE, PATRICIA |
| | REID, CECILIA |
| | REYNOLDS, LATANYA S |
| | RICHDMOND, BARBARA |
| | RIVERA, RAFAEL B |
| | SUNDERS, TAMEIKA L |
| | WIMBERLY, DAVID M |
| 448 | MILENA SALON |
| 450 | SECOND HAND ROSE |
| 452 | EL MOLINO INC |
| 453 | BURROW, MATTHEW |
| | COMEAU, JERRY |
| | GOLDSTEIN, MARC |
| 459 | OUTREACH HARVIS COMMUMNITY |
| 460 | VALUE TAX CORPORATION |
| 464 | EL COVARRUVIAS |
| | SELCAL BEAUTY SUPPLY INC |
| | TURNER, SKY J |
| 468 | CORONA, HUMBERTO H |
| | DEFREECE, DARYL |
| | ELISONDO, ALMA D |
| | ELLIS, RALPH |
| | FLOYD, COLLETA |
| | SUTHERLAND, JOHNA |

## MAIN ST 2014 (Cont'd)

| | |
| --- | --- |
| 468 | THOMAS, MAIA B |
| 471 | BTO AUTO WORKS INC |
| 472 | KENNEDY FRIED CHICKEN |
| 481 | ACTIVE BEVERAGE INC |
| | ALCANTARA, EFREN |
| | GUNDERUD, STANLEY |
| | MENDEZ, CINDY |
| | MUMTAZ CORP |
| | ORTIZ, ANDRE |
| 488 | JAEDA BEAUTY SUPPLY |
| | PO LAUNDROMAT LLC |
| 505 | POUGHKEEPSIE CITY OF |
| 513 | JIMINEZ, ESTELA |
| 515 | JASMINS HAIR DESIGN |
| 516 | DEL ROY TAXI SERVICE |
| 517 | GREAT WALL RESTAURANT |
| 519 | LA MEXICANA |
| 521 | AGUSTIN, FELIPE |
| | CONTRERAS, LIONEL |
| | HERMIDA, JAIME |
| | LOPEZ, A |
| | PEREZ, FERNANDO |
| 522 | PAYPHONE CHESTER |
| 523 | CRISOSTOMO, ALEJANDRO D |
| | DIAZCRISOSTOMO, ALEJANDRO |
| | EDWARDS, ARIELLE |
| | HERNANDEZ, OSCAR |
| | ORTIZ, L |
| | PEREZ, SALATIEL |
| | RAMOS, WILFREDO |
| | URIETA, VANIA |
| 525 | HERNANDEZ, ELENA |
| | MARTINEZ, MARIA |
| | MENDEZ, RODRIGO |
| | SANTOS, JAIME |
| 527 | CALDERON, MARIO |
| | MARCIAL, FERMIN M |
| 530 | CERERO, SAMANTHA |
| | CHASE, NELSON S |
| | DEYO, RICHARD A |
| | ELSHORBAGI, AIDA A |
| | ELSHORBAJ, MARY A |
| | GERTMAN, ZIHKYAH |
| | KELLY, EDWARD |
| | RAMIREZ, ARIEL |
| | SEYMOUR, JENNIFER |
| | UPTOWN VARIETY |
| 532 | ARCO PROTECTION SYSTEMS INC |
| 533 | JONES, BOBBY |
| 534 | DOLGENCORP LLC |

## MAIN ST 2014 (Cont'd)

534 OCCUPANT UNKNOWN,
537 EXCELLENCE GIFT SHOP
LAMICHOACANA I CORP
UPSON, VERNON L
539 HERNANDEZ-CEJA, LIZBETH
MARIN, BOBBY
PEREZ, PEDRO
WENDY HERE
541 CEJA, GABRIELA
HERNANDEZ, ROSA
PACHECO, JAVIER
TAYLOR, EBONEE
544 WILCOX, JEFFREY A
548 CALMECA RETAIL STORE
JUAREZ, GUADALUPE
PACHECO, JOSE
PERSICO, MOIRA
SYPHER, CHARLENE
549 DUTCHESS COUNTY HISTORICAL SOC
550 CORDOVA MEX CORP
LOPEZ, JOSEFINA
MARRERO, JONATHAN
MIRANDA, JULIA
STRACK, ALISA
551 CARDARELLO, CHRISTOPHER
ROBINSON, WILLIAM
SABOY, THOMAS
553 DELMORAL, ERICK
HERNANDEZ, JUAN G
MENDOZA, ARACELY
TACO GOL RESTAURANT CORP
555 OCCUPANT UNKNOWN,
556 ROSAVO, VINCENT
557 BRESSENDORS, KANISA
LEWIS, KERIANN P
MARTINEZ, PABLO
PODBER, MICHAEL
ROBINSON, HOLLI M
THOMPSON, INAYAH
558 BELL, DEBRA
COOK, ROBERT J
GONALEZ, CARLOS
HERBERT, R
LASSITER, LATINA
LILIAN SMOKE SHOP & DELI INC
RAMIREZ, ALVARO O
REDDISH, JAMIE
ROGER, JOE
559 BERRY, LINDA
DIAZ, ALEJANDRO

## MAIN ST 2014 (Cont'd)

559 MURPHY, TANEKA
THORPE, DAVID
563 BROWN, ANGEL G
REID, BRANISHA
SMITH, COLIN
565 HERNANDEZ, TIRSO
LINARES, JESUS M
LJULJIC, ANTON
MAHABUB, KAJIMAJ
OSORIO, MARY
VALERIANO, BERTHA
566 CASTILLO, BELKIS
CORREA, JUDITH
DAVIS, CAROL A
POOLE, DEVON
SANTIAGO, SAMUEL
578 ASCENCIO, WANDA
579 OCCUPANT UNKNOWN,
581 CHLIH, MARY A
MICAELA, HERNANDEZ
PIRONI AUTO PARTS INC
RODRIGUEZ, HONORIO
582 ULTIMATE TIRE SHOP LTD
584 OSTRANDER STEPHEN
585 SABIA AUTO EXCHANGE
586 KENNEDY, MICHELLE
588 BARTEE, LYNETHIA
591 STOTHER, ANDREA
VARIATIONS HAIR SALON
593 DALIA, SAVERIO
595 DALIA FELICE
597 IMPERIAL FIRE EXTINQUING
599 MCBRIDE, KWALEME
600 COURTESY CAR WASH INC
FRIENDLY CAR WASH MAIN ST
P3 LEASING INC
SENSIBLE CAR TRUCK RENTAL
605 RENT-A-CENTER INC
618 DRIVAS STEVE
PARAMOUNT AMUSEMENT COMPANY
PETES FAMOUS RESTAURANT
631 GINESE, ANTHONY
633 FAMILY DOLLAR STORES OF NY
635 GLEBE HOUSE
637 APONTE, RAFAEL
CLARK, SANDRA C
GNF REALTY CORP
HOAG, JACKIE
LEE, SHANTA
638 WARD STREET ASSOCIATES LLC

## MAIN ST 2014 (Cont'd)

| | |
| --- | --- |
| 639 | CARMELITANO, MELISSA |
| | DELANY, ARMANI |
| | FUKER, SHAKIMA |
| | HERNANDEZ, KALLYAH |
| | LAWSON, JA |
| | QUILL, TYLISHA A |
| | STUKES, WILLIAM |
| 641 | CINTRON, GIOVANNI M |
| | CRUZ, MARIA |
| 643 | AFFORDABLE CARS |
| 646 | SHARON WILDER |
| 651 | JC MEXICAN MEAT MARKET INC |
| 690 | ASSOCIATED SUPERMARKETS |
| 691 | ANTONIO, ARTURO |
| | CASTILLO, ALBERTO |
| | ESCOBAR, DAMIAN |
| | LOPEZ, ALEJANDRO |
| | MODESTO, MIRANDA |
| | PANTOJA, PAULINA |
| 693 | BAUTISTA, GASPAR |
| | BERRA, DANIEL |
| | LUNA, JOSE G |
| | MENDOZA, MARGARITA |
| 697 | STEPHENS, FLOYDELL |
| 698 | FOUTZ, JOHN T |
| | WICKED WORLD TATTOO |
| 699 | ANTHONY, MICHELLE L |
| | DAVIS, DIONNA |
| | GETHERS, TERRANCE |
| | GOLLITA, TIA |
| | GONZALEZ, CAROLIN M |
| | HAMILTON, B |
| | JOHNSON, CAROLYN |
| | KAVRIK, JOHN |
| | MAIN ST BEEPER AND CELL INC |
| | MONIQUES BOUTIQUE |
| | SHABELEH, ABADIR |
| | TEATER, PATRICK |
| | TITUS, REBECCA |
| 700 | KING, BARBARASHLEY |
| | MARTINEZ, PRISCILIANO |
| 701 | POUGHKEEPSIE WINES & LIQUOR |
| 702 | FURNITURE EXCH OF POUGHKEEPSIE |
| 703 | TD BANK NA |
| 706 | BELTON, C |
| | BIEVER, DUANE J |
| | GEMMATI, DONATO C |
| | GINOS PIZZA |
| | JB BRIDAL FASHIONS INC |
| | LENT, MARYELLEN E |

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## MAIN ST 2014 (Cont'd)

706 LEWIS, WILLIAM
709 ECKERD DRUG
RITE AID CORPORATION
327329 KEY CONSTRUCTION SERVICES LLC
432440 TROPICAL FRESH INC

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# N PERRY ST 2014

| | |
|---|---|
| 20 | ACKERT, DONNA J |
| | ANSON, CARA |
| | BUSH, CAL |
| | CARTER, JAN |
| | COLON, FRANK |
| | CURCIO, ANTHONY R |
| | CUSIMANO, BARBARA A |
| | DANIELS, GERALDINE |
| | DAVIS, SHIRLEY |
| | DODD, WILLIAM R |
| | FISHER, FRANCIS C |
| | GREEN, ANNETTE |
| | GRISETT, SAMUEL |
| | HAYES, JEAN M |
| | HUDSON, OLLIE P |
| | HUNT, WANDA Y |
| | KANE, JAMES M |
| | KAUR, CHARANJIT |
| | LANE, RITA M |
| | LEWIS, ORA H |
| | LOTT, MICAH M |
| | MANN, IDA |
| | MILLER, PERCY |
| | MURRAY, MARTIN J |
| | NIMMONS, EDITH M |
| | ORTON, GENE J |
| | PALMATIER, HELEN J |
| | PARRON, LORRAINE |
| | PERRY, BARBARA J |
| | POST, MARY J |
| | RILEY, GEORGE |
| | STAFFORD, HELJU R |
| | THOMAS, ELEANOR K |
| | TUNE, LORI M |
| | WHALEN, ANN M |
| | WHEELER, IDA A |
| | WHITELEY, ALBERT D |
| | WILLIAMS, DORIS A |
| 29 | ACKERT, DONNA |
| 37 | 15037 VICTORY LLC |
| | GN MANAGEMENT INC |
| 43 | CAPPELLI, CYBELE S |

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## MAIN ST 2010

| | |
|---|---|
| 5 | SANTA, P J |
| 7 | MEADOW, JORDAN |
| 8 | CUNNINGHAM, DALE |
| 9 | DEMPSEY, JAMES R |
| 11 | QUINN, JOSEPH |
| 14 | PEREZ, JUVENTINO |
| 15 | CUNNINGHAM, DALE |
| 20 | LYONS, NATHANIEL |
| 21 | CULPIN, WILLIAM |
| 27 | OWENS, TRISTIN |
| 28 | VASILIY, KRASNYANIK |
| 33 | KRITSKY, MICHAEL |
| 35 | 75 81 NORTH WATER STREET CORP |
| | BROTHERS DUO ENTERPRISES LTD |
| | GEM CONSTRUCTION & RESTORATION |
| | JAMIE ONEIL LCSW-R |
| | LAW OFFICE OF JONNA M SPILBOR |
| | MIXALOO INC |
| | NUW EDITORIAL SVCS LLC |
| | SUNRAY MOBILITY SERVICES |
| | VGM SQUARE LLC |
| 41 | LAZ PARKING |
| | METRO-NORTH COMMUTER RR CO |
| | OCCUPANT UNKNOWN, |
| 46 | HARTH, MARY |
| 56 | GORGRAM, JEFF |
| | PAGGI MARTIN & DEL BENE LLP |
| 70 | COFFEY, JOHN |
| 73 | HABIAGUE, IRENE O |
| 78 | ZMIYARCH, JOSEPH A |
| 85 | R L W S INC |
| 96 | BROWN DERBY |
| | CORTES, VICTOR N |
| | CRUZ, NAYELI |
| | ERSKINE, CYTHIA |
| | HUERTA, DAVID |
| 101 | BATES, LEROY |
| | JACQUIS |
| | SHIELDS, CHRISTIAN |
| 105 | NORFLEET, TRACY |
| 107 | SOUL DOG |
| 108 | WERCHEN, TESSIE |
| 109 | KOKA, ORGES |
| | MARZULLO, GREGORY L |
| | MOISES, JOSE |
| 110 | ACKERMAN QUINN FINANCIAL SVCS |
| | ALDAN DEMETRIO DR |
| | ALDEN, DIMITRI |
| | CROSSROAD SYSTEMS |
| | DIAMOND JS GROUP |

## MAIN ST 2010 (Cont'd)

| | |
| --- | --- |
| 110 | GERBER, ALLEN Z |
| | MCNULTY, JACK |
| 111 | ACEVEDO, MARINA |
| | EMILIANOS PIZZA |
| 113 | MORALES, C |
| | SORIANO, ELDER R |
| 115 | CASA MILANESE CATERING |
| | MILANESE INC |
| | PAMELAS TRAVELING FEAST |
| 119 | HENNEKENS, MARY |
| 135 | ANDERSON, DONALD O |
| | ANGELO, VIVIAN |
| | ANSON, VIRGINIA M |
| | ANTREASYAN, M |
| | AQUILINO, VINCENT J |
| | BACON, DORIS P |
| | BAKER, BETTE M |
| | BISHOP, LEONARD |
| | BURCH, STEVEN |
| | CAMMAROTA, PAUL F |
| | CASH, LANZDALE |
| | COLLIER, HELEN |
| | CONTI, ANGELINA |
| | COWAN, JEAN F |
| | CUTTEN, HELEN G |
| | CYPHER, PATRICIA A |
| | DAVANZO, LINDA R |
| | DEGILIO, ANNA E |
| | DEKOSKIE, JOANN |
| | DELGADO, GREGORIA |
| | DENNY, SHIRLEY A |
| | DERELLO, DONALD S |
| | DOUGLASS, PHILLIP |
| | DUTCHER, JAMES A |
| | EDWARDS, GERALDINE A |
| | EVANS, ANN C |
| | FUENTES, SAMUEL N |
| | GARCIA, CARMEN |
| | GAYNOR, LAURENCE F |
| | GONZALEZ, WILLIAM |
| | GRAMMAS, JOHN L |
| | GRANT, CLARA R |
| | GREEN, ATKINS J |
| | JOHNSON, RICHARD |
| | JOHNSON, SYLVESTER |
| | KEOUGH, MARGARET |
| | KLOTZ, PHILLIP |
| | LEE, MATTIE M |
| | LEMQUIST, JANET E |
| | LETUS, BARBARA C |

135 LIER, FREDERICK C
MARSHALL, MARY
MASTROCCO, TONI N
MCCAIN, MINNIE S
MCCULLOGH, BRENDA
MEDDAUGH, ALBERT E
MESSINA, FRANCIS
MORRISON, PATRICIA M
MOSSAKOWSKI, BERNARD
MUSCAT, FERNANDE
PARRIS, DAISY
PASQUA, LUCY
PELISH, ANN M
PEREA, JULIO C
PERRY, BETTY
PETERSON, ERIC S
PETRIANO, VINCENT
PLANELLS, JACK N
PLUNKETT, JAMES
POLHEMUS, LEONARD G
POPE, JOHNNIE
QUARLES, PEARL M
RICCO, FRANCES
RILEY, ROBERT
RISING, SCOTT J
ROBERTS, KENNEDY K
ROBERTSON, ESTELLE C
ROGERS, L M
ROGOSKI, IRENE T
ROMAN, WILLIAM P
ROMERO, RAYMOND
ROSSI, R
ROTH, GERALDINE M
RUFFIN, AUDRIANNA
SHANO, GLORIA
SHAW, MAY M
SIEBEL, JACK S
SIMMONS, ROBERT R
SMITH, IRENE E
STEVENS, E
STRIDSBERG, ALBERT B
SULLIVAN, JOHN
TANCREDI, MILDRED
TARTAGLIA, ELIZABETH A
THOMPSON, ETHEL M
TILLERY, LONISE
TROCINO, ROSE A
UNDERHILL, ROBERT R
UNGER, ETHEL E
VESS, E

## MAIN ST 2010 (Cont'd)

| | |
| --- | --- |
| 135 | WAY, EMMA M |
| | WILLIAMS, ALICIA |
| | WILSON, MURIEL D |
| | WRIGHT, THERESA M |
| 138 | RIVER VALLEY REALTY CO INC |
| 140 | PETER J LIEPMANN MD LLC |
| 161 | DAWKIN, ALBERTON |
| 167 | SWEENEY, KATHY |
| 190 | SOTO, ALEXANDER |
| 191 | WING STEPHEN J |
| 192 | KRAVITZ, MICHAEL A |
| | PERRY, SCOTT M |
| | SMITH, LLOYD G |
| 194 | ACKERT, MARTHA |
| | BRANCH, SANDRA D |
| | GUERRERO, DIANA |
| | GUEST, PETER L |
| | JACKSON, JERRY |
| | KATSAMANIS, IRENE |
| | KLAVITZ, EVALYN |
| | LARKSMY, WILSON |
| | LOPEZ, JUDITH |
| | MARTIN, JOHN P |
| | MCGRAW, KATHERIN |
| | NEWMAN, EILEEN |
| | PEREZ, ALFONSO |
| | RIQUELME, ERIC |
| | ROBINSON, MARK A |
| | SPAGNA, ANGELA |
| | TORBITT, SHELBY |
| | WILLIAMS, JAMES |
| | WILSON, LARKSMY |
| 196 | DECICCO, RICHARD M |
| | GETHERS, SHARON |
| | JOHNSON, VERNAE |
| 198 | CONLEY, C |
| | FLOOD, BRANDY A |
| | SHAHINIAN ALBERT FINE ART |
| | THIS THAT AFRCAN HAIR BRAIDING |
| | WEST COAST STYLE BARBERSHOP |
| 200 | ALVAREZ, ELEANOR |
| | BERNARDINI, MELISA |
| | BONET, JASON |
| | CONKLIN, DANIEL |
| | KROM, ROBIN |
| | LAMBERT LEGAL SERVICES |
| | MARTINEZ, ELIZABETH |
| | MORALES, JOSE |
| | RUPPERT, GAIL |
| | VANDENBURG, PETER |

## MAIN ST 2010 (Cont'd)

| | |
| --- | --- |
| 202 | CONTRERAS, JOYCE E |
| | LJEKOCEVIC, DAJANA |
| | MAAS, ERIC |
| | WILLIAMS, ADAM |
| 204 | 24/7 REALTY INC |
| | 247 REO SERVICES INC |
| | BARNSIDE REALTY CORP |
| | RUNDEL LONG REALSTATE MGT LLC |
| | SANTIAGO, CARMEN |
| 205 | ECKERSON, MARIE |
| 206 | BERTRAND, VALERIE A |
| | CHAMLEY, TAMEEKER |
| | NEZAD LLC |
| | TONUBBEE, CRAIG |
| 208 | BENNETT, ANDRE |
| | CELIS, ALFREDO |
| | DANIELS, TANAYA |
| | FRANCIS, BETTY A |
| | HOWELL, SUZANNE |
| | ISAAC, STANELY |
| | KILLEN, TEE |
| | MILLER, JAMES J |
| | QUINTANAR, SONIA S |
| | SKELLAN, RYAN |
| | SWEAT, JERE |
| | THOMAS, SHEMONIE |
| | UKAJ, REXHAP |
| 210 | ABBOTT, SHIDON |
| | AVENDANO, GREGORIO J |
| | BALDWIN, AMANDA |
| | BERNARD, ALISSA M |
| | BROOKS, AKIYA |
| | CARENBAUER, SARAH |
| | CELIS, JORGE |
| | GONZALEZ, CARLA |
| | GRIZZARD, CERRON |
| | HITES, JOANNE G |
| | HUSSEY, SHARON |
| | HUZZY, WENDI |
| | IRVING, JAHMAL L |
| | KOWALSKI, PETER |
| | LOPEZ, FRANCISCO |
| | MAJADI, MAI Y |
| | MARKLAND, ALEXANDRA |
| | MASOTTI, ELISSA |
| | PEREZ, NICOLASA S |
| | PICCONE AND GOLD |
| | PITTS, ROBERT |
| | POLHILL, DAVID |
| | RINCON, IVELISSE |

## MAIN ST 2010 (Cont'd)

| | |
| --- | --- |
| 210 | RINGLER, SHANDA |
| | RUKAB, MAJIDA |
| | SIEH, ALBERT |
| | SMITH, MICHAEL A |
| | THORPE, SHANTA |
| | WALLACE, DENA |
| | WILLIAMS, SHAMAR T |
| | WOOD, BRANDON |
| 214 | COOPER, WENDY |
| | MAHER & BROFMAN |
| 218 | A CONTRACTING INC |
| | CREATIVE TRENDZ |
| | JOSEPH, THOMAS |
| | LUCIANO, MARC |
| | NESHEIWAT FIRAS |
| | PINZON, OSCAR |
| 220 | BOWMAN, GEORGE |
| | CHU, DEBBIE S |
| | CLARK, ALFRED |
| | FIGUEROA, JAZMIN |
| | FOCARILE, DANEASE T |
| | MAKINDE, MICHEAL |
| | PATTERSON, TIMOTHY L |
| | SAYER, SIHAM |
| 228 | DUTCHESS COUNTY OF |
| 233 | DUTCHESS WORKS ONE-STOP EMPLOY |
| 234 | JANSEN, CHARLES |
| 235 | DUTCHESS COUNTY ONE STOP |
| | INTERNTNAL PRTECTION GROUP LLC |
| 236 | DUTCHESS COUNTY OF |
| | OCCUPANT UNKNOWN, |
| 237 | ADVANCED VISION MANAGEMENT |
| | AMERIPRISE FINANCIAL INC |
| 248 | NUBIAN DIRECTIONS II INC |
| 249 | KHAN KAREN LAW OFFICE OF |
| | LAW OFFICES OF GILBERT WEST |
| 250 | NUBIAN DIRECTIONS INC |
| 256 | DALLEO GROUP INC |
| 272 | MAIN PRINTING |
| 274 | MOFONGO CORP |
| | SABOR LATINO RESTAURANT INC |
| | V M DELI INCORPORATED |
| 283 | KINGDOM KUTZ |
| | MAIN STREET PIZZA & CA |
| 293 | HEARTS SPECIALTY MERCHANDISE |
| 295 | CRODELLE, MOIRA L |
| 296 | DC CARIBBEAN CUISINE |
| 297 | PREMIER ABSTRACT |
| 298 | SMOKE RINGS |
| 299 | 2 FAT CATS INC |

| Target Street | Cross Street | Source |
|---|---|---|
| ✓ | - | EDR Digital Archive |

## MAIN ST 2010 (Cont'd)

| | |
|---|---|
| 299 | KATHLEEN SCHMAND FOUNDATION |
| | KENNETH, KEUTMANN |
| | KEUTMAN, KENNETH F |
| | LILY INDUSTRIES INC |
| | LIMOUSINE BY AJ INC |
| | MCGAW, RONALD J |
| | MOORE PATRICK F |
| | PEOPLES MORTGAGE CORP |
| | ZEIDAN RAJI |
| 302 | CHROME ENTERPRISES INC |
| | TEMPTATIONS |
| 303 | LIM, HEIDI D |
| 304 | BELLEW, MARK F |
| 305 | CANVAS |
| | OCCUPANT UNKNOWN, |
| | THYME 4 FOOD INC |
| 306 | PRONTO PRINTER |
| | SPECTRUM GRAPHICS & PRINT |
| 307 | A AMERICAN HOME SECURITY SYS |
| | ALARM SYSTEMS |
| | ARTIST PALATE |
| | BURGLAR ALARM SYSTEMS |
| | DEBT ADJUSTERS |
| | FIRE ALARM SYSTEMS |
| | HOME ALARM SYSTEMS |
| | SECURITY SYSTEM INSTALLATION |
| 309 | ATKINS, ARTHUR R |
| | GATEWAY TO ENTREPR TOMORR INC |
| | MCR BUSINESS SOLUTIONS |
| | NEW YORK DEVELOPMENT NETWORK |
| | REEDER, WANDA |
| 311 | DUTCHESS CARD CO INC |
| 313 | KITCHEN, HEATHER |
| | PROPERTY MANAGEMENT SOLUTIONS |
| 315 | COHEN, JEFFREY S |
| | GINDER |
| | SMDS FOOD SERVICES LTD |
| 316 | D & L CRAFT ENTERPRISES INC |
| | JOSEPH A SMALL |
| 317 | 317 MAIN MALL CORP |
| | BUDNIK ROY T & ASSOCIATES |
| 319 | BULL & BUDDHA LLC |
| | PABS CONSTRUCTION CONS INC |
| 322 | ALLEN, KRISTINE |
| | CAMPBELL, KRISTINE |
| | DIRTON, M |
| 324 | SEJAL PHARMACY INCORPORATED |
| 325 | LITERACY CONNECTIONS DC INC |
| | MOLLICA PAUL L ESQ |
| | PROLITERACY WORLDWIDE |

## MAIN ST 2010 (Cont'd)

| | |
| --- | --- |
| 325 | SMOOKLER LYNN M ATTORNEY |
| 327 | OCCUPANT UNKNOWN, |
| 329 | ALMA REALITY |
| | BECK ANTHONY I |
| | CAVIGLIA MARCO ATTY |
| | VALVO RICHARD |
| 331 | WALLACE SERVICES CORP |
| 341 | NUEVA IMAGEN |
| 345 | OCCUPANT UNKNOWN, |
| 348 | OCCUPANT UNKNOWN, |
| 350 | BEEKS, TONIETTA |
| | TYREE, JENNIFER |
| 352 | DUTCHESS CARD CO INC |
| 354 | IQBAL AMJAD MD |
| | IQBAL, AMJAD |
| | SARA MEDICAL CARE PLLC |
| 355 | 2ND CIRCUIT COURT |
| | USCSO |
| 356 | BUTLER, LETITIA |
| | HUSTLE ENTERTAINMENT |
| | JEFFERSON, A |
| | JONES, MARYELLEN |
| | KOLLO KORY INC |
| | SANTIAGO, JAGAIDA |
| | TAYLOR, JORDAN |
| | TISSIERA, LYN L |
| 358 | AUSTIN KYLE BARBER STUDIO INC |
| | AZIZ, SUKRAN |
| | MOON WHISPER |
| | SADLER, CHARLES |
| | SADLERPACE INC |
| | STOUT, SHANEN |
| | WALKER, DEVIN |
| | WILLIAMS, TAMONIQUE D |
| 364 | MSS FOOD POUGHKEEPSIE CORP |
| | SOMOZA, JOYCE A |
| 366 | BUNCH, SHAWAN |
| | MARTIN, JENNIFER A |
| | PERRY, KASHARA |
| 367 | ARAGON INCORPORATED |
| | NUDDY IRISHMEN |
| | OCCUPANT UNKNOWN, |
| 368 | XIN HE INC |
| 370 | LALANI, AMIR |
| 372 | CITY OF POUGHKEEPSIE PARTNR |
| | DESERT TO LIVE FOR LLC |
| | MJJJ INC |
| | ZAZ |
| 373 | TONY BOFFA HUDSON VALLEY |
| 375 | HUDSON VALLEY OFFICE FURN INC |

## MAIN ST 2010 (Cont'd)

| | |
| --- | --- |
| 378 | MY BROTHER BOBBYS SALSA LLC |
| 380 | CORTEZ, BENJAMIN C |
| | EBONY HAIR STYLISTS INC |
| | EL DORADO RESTAURANT |
| | GUILLERMINA CRUZ |
| 382 | CLEFWAVE INC |
| | DES JEWELERS |
| | SIMMONS, DALE B |
| 384 | ANAS BEAUTY SALON UNISEX CORP |
| | ANAS, B |
| 387 | DURHAM CITY OF |
| | DUTCHESS CNTY HIV HEALTH SV |
| | DUTCHESS COUNTY OF |
| | ENVIRONMENTAL HLTH GENERATION |
| 388 | OCCUPANT UNKNOWN, |
| | SPICY PEPPERS |
| 392 | ACCESSORIES R US |
| | DIAL WITH STYLE |
| 395 | MARISCOS, DE A |
| 397 | HAMILTON DINER INC |
| 399 | DIECIDUE, DOMENICK |
| | MATIASMORALES, JUAN C |
| | MAYFIELD, MICHELE |
| | MORALES, JUAN M |
| | REEDER, C |
| | TILLERY, JAMES E |
| 400 | ALI M M AL SAIDI |
| | DESIGN NAILS |
| | FRESH CUT BARBERS |
| | GOLDEN TOUCH UNISEX SALON |
| | OCCUPANT UNKNOWN, |
| | POUGHKEEPSIE EXPRESS DELI |
| 403 | CASANOVA, DAVID |
| 404 | CUDEMO, JENNIFER |
| 411 | CONGRESS TAVERN INC |
| 420 | VOICE MAIL BOX |
| 424 | 424 MAIN ST FOOD CORP |
| | JUBERTS HEATING & PLUMBING |
| | LA POBLANITA |
| 425 | ANDERSON, ALEXANDER |
| | BREWER, GIZEL |
| | DAVIS, TAMEAKA M |
| | FOLSTER, LOUISE |
| | FRANCES, BRENDA A |
| | GARRET, ANNA B |
| | GEE, JOSEPHINE |
| | JOHNSON, KARIN |
| | JOHNSON, ROSALIE |
| | JORDAN, JENNIFER E |
| | MACKEY, ANTHONY |

## MAIN ST 2010 (Cont'd)

| | |
| --- | --- |
| 425 | MILEY, GLORIA |
| | SALMON, DONALD E |
| 427 | CJS SURPLUS AND MORE |
| 430 | REIMER, PAUL |
| 435 | APONTE, JAMES |
| | BRANCH, SANDRA |
| | CAMPBELL, ROBERT |
| | CLARK, MARIE |
| | DALMACY, FABIENNE F |
| | DUNCAN, JENNIFER |
| | GILES, AJA M |
| | HARRINGTON, D |
| | JACKSON, LEON |
| | JOYNER, ROSALYN |
| | KRAJEWSKI, CARRI |
| | KRAUSER, FRANK W |
| | LEWIS, DIANA |
| | PENNROSE MANAGEMENT COMPANY |
| | SEAY, NATOSA |
| | STEWART, OLIVIA J |
| | THORPE, AMANDA |
| | YARA, LUIS |
| 437 | WISLIANE FASHION |
| 442 | KENDALL, ANDREW |
| | LA BAHIA |
| 443 | GLOBAL EXPRESS |
| 444 | PARKER, LETIA |
| | PITTMAN, SHARON L |
| | RED BONE TATTOOS BDY PIERCING |
| 445 | AKONGNWI, JANET |
| | BAILEY, RILLA |
| | BENJAMIN, VALENTINE V |
| | CAMPBELL, URSULA |
| | FRANKLIN, KATRINA |
| | GIRWAR, CAMILITA |
| | JOHNSON, SHAKIMA |
| | PHILLIPS, KIM |
| | WIMBERLY, ROBERT J |
| 447 | AV SERVICES |
| | HUFF & PUFF |
| 448 | MILENA SALON |
| 453 | CRUZ, MARCELINO |
| | GOLDSTEIN, MARC |
| | MARIANO, YILKANIA |
| | SUNNY DELI & GROCERIES |
| 455 | DEDE, EUNIKE A |
| | DIRTON, MICHAEL |
| | EVERHARDT, MONIC |
| | FODOR, KALMAN |
| | GOMAZ, IRIS |

## MAIN ST 2010 (Cont'd)

| | |
| --- | --- |
| 455 | HUMPHREY, O |
| | WHITE, SHANTAE |
| | WINPHRIE, ROBIN A |
| 459 | OUTREACH HARVIS COMMUMNITY |
| 460 | INDO-AMERICAN GROCERIES |
| 464 | EL COVARRUVIAS |
| | RETAIL GROCERY TOCHIMILCO |
| | SELCAL BEAUTY SUPPLY INC |
| | TURNER, SAMANTHA |
| 468 | CORONA, HUMBERTO H |
| | DUNN, LINDA |
| | ELISONDO, ALMA |
| | HARVEY, JESSE |
| | OGILVIE, JANNIE |
| | PANOS, STAVROULA |
| | ROSSI, MICHAEL |
| | SANTIAGO, YAMILE |
| | SUAREZ, MATILDA |
| 469 | TIPICO RESTAURANT |
| 471 | BTO AUTO WORKS INC |
| 472 | GREWAL CORP |
| | KENNEDY FRIED CHICKEN |
| | SUNSHINE DELICIOUS FOOD CORP |
| 481 | ACTIVE BEVERAGE INC |
| | ALCANTARA, EFREN |
| | MUMTAZ CORP |
| 485 | BARRETT CLAY WORKS |
| 488 | PO LAUNDROMAT LLC |
| 509 | SALLY PROFESSIONAL HAIR BRAIDI |
| 513 | JIMINEZ, ESTELA |
| | ORTIZ, CENOBIO |
| 515 | JASMINS HAIR DESIGN |
| 517 | GREAT WALL RESTAURANT |
| 519 | YALEXA DELI GROCERY |
| 521 | AGUSTIN, FELIPE |
| | LORENZO, JESUS |
| | MARTINEZ, ROCIO |
| | MORALES, RIGOBERTO |
| | PEREZ, FERNANDO |
| 522 | CHESTERS FRIED CHICKEN |
| 523 | AGUILERA, FRANCISCO |
| | BAUTISTA, PABLO |
| | CRUZ, REINALDO M |
| | LAMOTH, MARIA |
| | ORTIZ, MARCOS |
| | PACHECO, NICOLAS |
| | SANTIAGO, SAMUEL |
| 525 | CABAVID, LUIS |
| | CRUZ, SANTIAGO E |
| | LINARES, MARVIN |

## MAIN ST 2010 (Cont'd)

525 LOVE, LAYA
MARTINEZ, ABEL
MENDEZ, SILVIA
PEREZ, CARLOS
SANTIAGO, PORFIRIA S
527 EL AKKAOUI MINA
GARCIA, MIGUEL
JIMENEZ, LUIS
MARTINEZ, MARCIAL F
SANCHEZ, ANA
SANTOS, FLORENCO
528 BUNDY, LESLIE
LA COCINA DE LA TIA
530 JOHNSON, BASHONNA
OBRYAN, FRITZGERAL
PLACE, JOANN
R AND R BATH & BODY
SAVOY, MARJORIE
SPENCER, MARGARET
UPTOWN VARIETY
531 ASHRAFI ENTERPRISES INC
EXPRESS MOTOR GAS INC
TOMMYS AUTO REPAIR
533 JONES, BOBBY
534 MID CITY AUTO SALES LLC
OCCUPANT UNKNOWN,
537 BELLBER, LICETT
BRAVO, HILARIO
GOMEZ, CARMELO
HERRERA, BOMFILIO
PRESIDENTIAL TAXI & LIMO SVCE
ROBERTS, DAMIEN
VARGAS, HUGO
539 BETHEA, DOLORES
CONEXION LATINA INC
EDWARDS, DAWN M
EXCELLENCE FOOD MARKET
PEREZ, REMBERTO
SANTIAGO, GABRIEL
WENDY HERE
541 CALDERON, CESAR
CALDERON, MARIO
CASTELLINOS, LUIS
GOMEZ, ADAM
PEREZ, REMBERTO
RODRIGUEZ, FABIANO
544 CARLINO INSURANCE AGENCY
DORIS BROWN INSURANCE
FARMER MARY JANE
REDL RICHARD INSURANCE

## MAIN ST 2010 (Cont'd)

546 SIMMON, ESPERAZA
548 CEJA, GABRIELA
CRUZ, HILARO
MEJIA, DOLORES
PERSICO, MARC
549 DUTCHESS COUNTY HISTORICAL SOC
550 CORDOBA, MAURO
CORDOVA MEX CORP
LOPEZ, JOSEFINA
551 DISH SATELLITE
MELENDEZ, GUARDADO W
NESHEIWAT, ISSA
PENNACCHIO, GRACE E
PERWILLITER, JEFFEREY
PLACE, JOANN
ROJAS, ALMA D
SAN PABLO MISSION INC
VELAZCO, DOMINGO
553 TACO GOL RESTAURANT CORP
555 OCCUPANT UNKNOWN,
556 MARRERO, ADRIAN
557 BRESSENDORS, KANISA
CLINE, KAREN
HILL, KANISHA
MARTINEZ, PABLO
ROBINSON, HOLLI M
558 BARRIENTOS, GABRIEL
CALMECA RETAIL STORE
COOK, ROBERT J
ISAAC, GABRIEL S
MARTINEZ, RUFINO
RAMIREZ, ALVARO O
RAMIREZ, ZOILA
RICHARDSON, YVETTE L
559 ESPARZA, MARIA
GUARDADO, WULMER M
MESA, SELINA
MORELLI, RICARDO
RANGEL, ANDREA
REFUGIO, SILVESTRE
SANTIAGO, RICARD
563 SMITH, COLIN
565 CARRANZA, ALFREDO R
DAUBON, A
DIXON, MAISIE E
GOMEZ, ALMA D
LJULJIC, ANTON
MAHABUB, KAJIMAJ
VAIL, SHARI
VALERIANO, VERTA

## MAIN ST 2010 (Cont'd)

| | |
| --- | --- |
| 566 | DOMINGUEZ, ROSA |
| | HAMILTON, SUZANNE |
| | MUNOV, MARITZA |
| | OSORIO, CINTHIA |
| | POOLE, LEVON |
| | RIVERA, PETER |
| | RODRIGUES, JUAN |
| | ROJAS, AMADELIA |
| 578 | ASCENCIO, WANDA |
| 579 | CORDOVA, ARIEL C |
| 581 | MICAELA, HERNANDEZ |
| | RODRIGUEZ, HONORIO |
| | SPENCER, RALPH |
| 582 | A B C AUTOWORKS INC |
| | ULTIMATE TIRE SHOP LTD |
| 584 | OSTRANDER STEPHEN |
| 585 | SABIA AUTO EXCHANGE |
| 586 | KENNEDY, MICHELLE |
| 588 | BARTEE, LYNETHIA |
| 591 | STOTHER, ANDREA |
| | VARIATIONS HAIR SALON |
| 595 | DALIA FELICE |
| 597 | IMPERIAL FIRE EXTINQUING |
| 599 | DISTEFANO, DAMIEN A |
| | KLOTZ, D |
| | LYBOLT, EDWARD M |
| | OGDEN, JAMES W |
| | SHELDON, MICHAEL |
| 600 | COURTESY CAR WASH INC |
| | COURTESY PERFORMANCE |
| | EASTMAN USA INC |
| | FRIENDLY CAR WASH MAIN ST |
| | P3 LEASING INC |
| | RFAKHOURY INC |
| | SENSIBLE CAR TRUCK RENTAL |
| 605 | RENT-A-CENTER INC |
| 618 | DRIVAS STEVE |
| | PETES FAMOUS RESTAURANT |
| 620 | SANTOS, JOSELITO |
| 631 | GINESE, ANTHONY |
| 632 | CKJF ENTERPRISES INC |
| | EL CHAPULIN-THE GRASSHOPPER |
| | PUERTO ESCONDIDO ICE WATER |
| 637 | AGUILAR, GALAN J |
| | CLARK, SANDRA |
| | DELOSANGELES, MARIA |
| | GALAN, ALEJANDRO |
| | GNF REALTY CORP |
| | GORDIANO, MIGUEL |
| | MCGILL, DAVID M |

## MAIN ST 2010 (Cont'd)

637 PETS FOR GLORY
638 BUENA VILLA ASSOC LLC
WARD STREET ASSOCIATES LLC
639 CROWN FRIED CHICKEN
FUKER, SHAKIMA
HAMILTON, VERNAL
STUKES, WILLIAM
641 CINTRON, GIOVANNI M
CRUZ, MARIA
PARKER, L
PETERKIN, STEVE
REAL, SIMON
SALINAS, DAMARIS
SANCHEZ, MARIO
TOUHEY, HAZEL M
643 KANE MOTORS
646 UNIQUE FASHIONS
654 HOUSE OF DAVIS FURNITURE INC
691 ANTONIO, ARTURO
CAMPOS, FRANCISCO
HERNANDEZ, GREGORIO
LASCAREZ, JOSEFINA
LOS PACOS UNISEX SALON
LOWERY, TIMOTHY
MALDONADO, ELSA M
MODESTO, MIRANDA
REINA, JORGE
RELLANO, ALFREDO
REYES, GERARDO C
VALENCIA, ALEJANDRO
693 BAUTISTA, GASPAR
BERRA, DANIEL
BRAVO, CLEMENTE
CORONEL, DANIEL B
ESCALERAS, ANGEL
MARTINEZ, BENILDA
MENDOZA, MARGARITA
OJEDA, CARLOS
RAMIREZ, PABLO
VALERIANO, ANTONIO
697 CASTILLO, ALBERTO
LOPEZ, SONIA
STEPHENS, FLOYDELL
698 FOUTZ, JOHN
699 BRISTOW, CHARLES
GONZALEZ, CAROLINE M
JAMES, TAMESHA
JENNINGS, ROBIN
LATIMER, MOZELLA
MENDEZ, ROGELIO

| Target Street | Cross Street | Source |
|---|---|---|
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## MAIN ST 2010 (Cont'd)

| | |
|---|---|
| 699 | MINE AND YOURS FASHIONS |
| | MONIQUES BOUTIQUE |
| | MOROCHO LUIS ANTONIO BELESACA |
| | TEATER, PATRICK |
| 700 | BOCCARD, WILLIAM |
| | CLARK, DON |
| | GOLDEN KRUST PATTIES |
| | MARTINEZ PRISCILIANO |
| | MARTINEZ, PRISCILIANO |
| 701 | POUGHKEEPSIE WINES & LIQUOR |
| 702 | FURNITURE EXCH OF POUGHKEEPSIE |
| 706 | BIEVER, DUANE J |
| | GEMMATI, DONATO C |
| | JB BRIDAL FASHIONS INC |
| | LENT, MARY H |
| 707 | POSABK INC |
| 709 | RITE AID CORPORATION |

| Target Street | Cross Street | Source |
|---|---|---|
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# N PERRY ST 2010

| | |
|---|---|
| 20 | ACKERT, DONNA J |
| | BOYKIN, PEARLIE |
| | BUSH, SALLY A |
| | COLON, FRANK |
| | CURCIO, ANTHONY R |
| | DUVA, J D |
| | FALINA, MARK |
| | HART, GLADYS M |
| | HUDSON, OLLIE P |
| | HUNT, WANDA Y |
| | JOHNSON, DEXTER J |
| | KANE, JAMES M |
| | KAUR, CHARANJIT |
| | KETTE, RONALD E |
| | KLING, STEPHEN W |
| | KNOWLTON, SHIRLEY M |
| | LEWIS, ORA H |
| | LOTT, MICAH |
| | LOVETT, ELIZABETH R |
| | MANN, IDA |
| | MILLER, COLLIN A |
| | MINHOLZ, FLORENCE A |
| | MURRAY, MARTIN J |
| | OAKES, ELIZABETH S |
| | PALMATIER, HELEN J |
| | PANO, HELEN |
| | PARRON, LORRAINE |
| | PERRY, BARBARA J |
| | POST, MARY J |
| | PYERS, MARY E |
| | SHERLOCK, MARION |
| | STURGESS, HELEN M |
| | THOMAS, ELEANOR K |
| | WHALEN, ANN M |
| | WHEELER, IDA A |
| | WHITELEY, ALBERT D |
| 41 | LEONARD, JOHN P |
| 43 | OCCUPANT UNKNOWN, |

| Target Street | Cross Street | Source |
|---|---|---|
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# MAIN ST 2005

| | |
|---|---|
| 1 | AJ CREATIONS LTD |
| 10 | PARDEE, THOMAS |
| 28 | VASILIY, KRASNYANIK |
| 33 | JOHNSON SQUARE |
| 35 | 75 81 NORTH WATER STREET CORP |
| | AMICIS TIRAMISO 2 INC |
| | BLUE MOUNTAIN COFFE ROASTERS |
| | CMC CONSTRUCTION & DEVELOPMENT |
| | DOOLEY R J & ASSOCIATES INC |
| | MAHONEYS IRISH PUB & REST |
| | MENS ROOM BARBER CREW |
| | REWARDS NETWORK |
| | ROYAL KING CLEANERS |
| 41 | DEDE |
| 46 | DIDYNUS, RICHARD |
| 52 | SKINNER, THELMA |
| 53 | FOO, SEE W |
| 55 | LINARES, JESUS M |
| 56 | OCCUPANT UNKNOWN, |
| | PAGGI MARTIN & DEL BENE LLP |
| 57 | PUNTURIERE, FRANK D |
| 64 | SCHEINBACH, BARRY |
| 73 | HABIAGUE, IRENE O |
| 85 | R L W S INC |
| 95 | EL AZTECA GROCERY |
| | RIVER WINE & LIQUOR |
| 96 | BENGOUGH, LESLIE |
| | CORTES, VICTOR N |
| | CUMMINS, PEGGY J |
| | HUERTA, DAVID |
| | JIMENEZ, LUZ J |
| | RAEMER, HILLARY |
| 101 | ALBURY, SELESTE |
| | CENTRAL HUDSON ENTPS CORP |
| | GRISSETT, ESSENCE |
| | JACQUIS |
| | MITZI & NORMA BEAUTY SALON |
| | MYKE, CLARVIS U |
| | TARULLI, JASON |
| 103 | BURLINGAME, RICHARD A |
| | BURLINGAMS |
| | JOHNSON, MANUEL A |
| 105 | TAMON, MONICA |
| | WEST INDIES MARKET |
| 107 | IT TAKES PRIDE BAKERY INC |
| | SOUL DOG |
| 109 | ACEVEDO, MARINA |
| | JOHNSON CASSANDRA L |
| | JOHNSON, CASSANDRA L |
| | KOKA, ORGES |

## MAIN ST 2005 (Cont'd)

109 LITTLE CS BEAUTY SALON
VICENTE, JOSE
110 AAMES HOME LOAN 12221
ACKERMAN QUINN FINANCIAL SERVI
ALDEN, DIMITRI
COOPERS & LYBRAND LLP
GERBER, ALLEN
LIGHTHOUSE INTERNATIONAL
MASTER RISK INC
MCNULTY, JACK
NETSTEP ACCESS SERVICES
OSHEA, JOHN P
RICHARD E GRANT
111 EMILIANOS PIZZA
HAJO CIVIC ASSOCIATION INC
PELLEGRINI, E
113 DAMATO, JUSTIN
MILANESE, ALESSANDRO V
MORALES, C
SANTINO, MILANESE
SORIANO, ELDER R
115 MILANESE INC
135 ADMIRAL, HALSEY S
ANDERSON, DONALD O
ANSON, VIRGINIA M
ANTREASYAN, M
AQUILINO, VINCENT J
BACON, DORIS P
BAKER, BETTE M
BARNARD, ALBERT E
BECK, LOUISE
BERGAMINI, BEATRICE S
BILLINGS, SHIRLEY B
BISHOP, LEONARD
BOWE, ELIZABETH
BUSH, JAY S
CARROLL, RICHARD
CASALI, MARY A
CASH, VIRGINIA C
COLACICCO, VIOLA J
COLLIER, HELEN
COWAN, JEAN F
CUTTEN, HELEN G
DAVIS, BETTY J
DAVIS, ESTELLE E
DEGILIO, ANNA E
DIXON, M E
DUDEK, A
DUNCAN, FRED A
DUNN, E

## MAIN ST 2005 (Cont'd)

135 ELLMAN, CONRAD
FAUSTINO, ISABEL
FELLS, MILDRED E
FOOHT, IRMA
FRANCIS, JOSEPH P
FRANK, ANNIE L
GAYNOR, LAURENCE F
GONZALEZ, WILLIAM
GORDON, RUTH E
GRANT, CLARA R
GREEN, ATKINS J
HARPER, H
HARRIGAN, FRANK J
HAYES, ELLEN P
HOUCK, J
HUGHES, ROBERT
JORGENSEN, ELEANOR R
JUAVINETT, JOHN
KING, N
KOCON, S
LUX, MARLOW
LYONS, A
LYONS, EILEEN
MAHER, B
MASTRI, CARMELLA M
MATHEWS, ALISON
MCCAIN, MINNIE S
MEDDAUGH, ALBERT E
MORRISON, PATRICIA M
MOYER, VIRGINIA
MURTHA, ROSE M
MUSCAT, FERN
NAZAK, ANNA D
NICKERSON, ELWOOD L
NORTH, MARY M
OLEARY, CATHERINE
OTERO, ELIZABETH
PALMIERI, MARGARET
PEREA, JULIO C
PERRY, BETTY
PETRIANO, VINCENT
PIZZARELLI, HELEN
PLANELLS, JACK N
PLUMMER, RUTH
POLHEMUS, GEORGE W
POPE, JOHNNIE
PUCCILLO, S
QUELLHORST, ALEC D
RELYEA, SARAH V
ROGERS, L M

## MAIN ST 2005 (Cont'd)

| | |
| --- | --- |
| 135 | ROGOSKI, IRENE |
| | ROTH, GERALDINE M |
| | SCHMADEL, FRANK R |
| | SEHMADEL, HENRY G |
| | SHANO, G |
| | SHAW, HENRY V |
| | SHUMER, SYLVIA E |
| | SIEBEL, JACK |
| | SIMMONS, BARBARA A |
| | SMITH, IRENE I |
| | STEVENS, E |
| | STEWART, A |
| | TALABER, GERTRUDE H |
| | TANCREDI, MILDRED |
| | TARTAGLIA, ELIZABETH A |
| | TAYLOR, GEORGE P |
| | TERVENSKI, GERTRUDE F |
| | THOMPSON, ETHEL M |
| | UNGER, ETHEL E |
| | VESS, E |
| | WAY, EMMA M |
| | WEST, RICHARD A |
| | WHITAKER, GLADYS |
| | WILLIAMS, ALICIA |
| | WILSON, MURIEL D |
| | YEAPLE, D |
| 138 | RIVER VALLEY REALTY CO INC |
| | SAPPIA, MARGARET |
| 140 | RIVER VALLEY CARE CENTER INC |
| 191 | INTERNAL REVENUE SERVICE |
| 192 | BABAIAN, JOHN |
| | BARRETT, KEVIN |
| | BRYAN, D |
| | COLLAZO, DAVID R |
| | MYERS, NATHAN |
| | SMITH, LLOYD G |
| 194 | ACKERT, MARTHA |
| | BRANCH, SANDRA D |
| | DECKER, KENNETH |
| | KATSAMANIS, IRENE |
| | MCGRAW, KATHERIN |
| | SANCHEZ, ANDREA |
| | TORBITT, SHELBY |
| 196 | KESSLER, LORRAINE |
| | MAIN ST ART GALLERY INC |
| 198 | MONTES, DANTE |
| | SHAHINIAN ALBERT FINE ART |
| 200 | CRUZ, HERON |
| | CUTTING BOARD |
| | REYES, REYNA G |

## MAIN ST 2005 (Cont'd)

| | |
| --- | --- |
| 202 | BLUMIN, DANIEL |
| | DOMENICO, DEAN |
| | LONG, RYAN A |
| | TONY MAY ENTERPRISES |
| 204 | BARNSIDE REALTY CORP |
| | BEHRENDS, JON |
| | CAJA, PATRICIA C |
| | GALLERY SHOP |
| | KELLY, ADREANNE A |
| | SPENCE, NATE |
| | YOUNG, MIKE |
| 206 | CURTIS, ANTHONY |
| | JESTES, ROGER |
| 208 | AMARO, ROBERT |
| | BURNEY, RAY |
| | CELIS, ALFREDO |
| | IWAHASHI, KOJI |
| | SWEAT, JERE |
| 210 | BRIGGS, TINA |
| | BROOKS, AKIYA |
| | CAMPBELL, SHERON |
| | CLARK, HILARY |
| | DONAHUE, EMILY |
| | FANNING, DAWN |
| | FINEK, BRANKO |
| | FIORITO, CARL D |
| | GRIZZARD, CERRON |
| | HOUSER, NANCY |
| | INCORVAIA, MARCO |
| | JOHNSON, CARLTON |
| | JONES, RODERICK |
| | KADEN, GEORGE |
| | KOWALSKI, PETER |
| | MAILLET, MOSES A |
| | MAIORANA, MELISSA |
| | MEDINA, NICOLE |
| | NORFLEET, MELANIE |
| | PLACE, MARYANN L |
| | POLLARA, GINA |
| | PRYOR, RALPH |
| | QUINTILIANI, WILLIAM |
| | RINGLER, SHANDA |
| | SALINAS, KEVIN |
| | SMITH, MICHAEL A |
| | SOLIS, YESSENIA |
| | STILLMAN, DANIEL |
| | WALLACE, D |
| 214 | COOPER, WENDY |
| 218 | BAKER, COTLYN |
| | CREATIVE TRENDZ |

## MAIN ST 2005 (Cont'd)

| | |
| --- | --- |
| 218 | NESHEIWAT FIRAS |
| | NESHEIWAT, FIRAS |
| | NEWELL, SEAN A |
| | SUNCREST COURT LLC |
| 220 | BARRY SCOTT AGENCY INC |
| | BOWMAN, GEORGE |
| | HORTON, CHRISTOPHER A |
| | MINTON, EBONE |
| | PATTERSON, TIMOTHY |
| | RIVERA, AUGUSTINE |
| | WALSH, STEPHEN M |
| 228 | DUTCHESS COUNTY OF |
| 235 | ARC |
| 236 | DUTCHESS COUNTY OF |
| | OCCUPANT UNKNOWN, |
| 249 | LOMBARD, PETER K |
| | ROCK, CREEK J |
| | SCHOENBORN, F K |
| 250 | NUBIAN DIRECTIONS INC |
| 256 | DALLEO GROUP INC |
| 260 | ABDOO MARY H |
| 268 | ANGIOLILLO, ANTHONY J |
| 270 | MAYO, RAYMOND B |
| | VEGA, NELLIE |
| 272 | CARDINAL PRESS INC |
| 274 | RICHARDSON, HARRIE K |
| 292 | S&K SIMPLY EXOTIC BIRDS |
| 293 | HEARTS SPECIALTY MERCHANDISE |
| 294 | DONG YI GONG |
| 295 | FRANCO, ANGELO |
| | SPACE E STUDIO |
| 299 | 2 FAT CATS INC |
| | AJD FORESTRY CORP |
| | BEISNER, RALPH |
| | HABIB, NABEEL |
| | KATHLEEN SCHMAND FOUNDATION |
| | LIMOUSINE BY AJ INC |
| | MOORE PATRICK F |
| | MOORE, PATRICK M |
| | PEOPLES MORTGAGE CORP |
| | SERDAH, SALIM |
| | WALLACE & WALLACE LLP |
| 306 | SPECTRUM GRAPHICS & PRINT |
| 311 | DUTCHESS CARD CO INC |
| 313 | HEATHER KITCHEN ESQ |
| | HOME FUNDING FINDERS |
| | OCCUPANT UNKNOWN, |
| | PROPERTY MANAGEMENT SOLUTIONS |
| | SNEERINGER MONAHAN PROBOST |
| 315 | AUSTIN, E H |

## MAIN ST 2005 (Cont'd)

316 BEAT WEEKLY
TURNKEY PROPERTY MANAGEMENT
317 317 MAIN MALL CORP
BUDNIK ROY T & ASSOCIATES
320 HUBBELL REALTY SERVICES INC
STRATEGIC ALLIANCE LLC
322 CAMPBELL, DAWN
PIRRAGLIA NICHOLAS
329 STEARNS AGENCY INC
331 AMERICAN INFO TECH SLTONS CORP
BEACON GLOBAL SERVICES CORP
CHOCOVISION CORPORATION
EFFRON, JAMES
KANDUKURI, RAJIV
WALLACE SERVICES CORP
345 BRAIDS BY MARIE
MAGIC FINGERS
OCCUPANT UNKNOWN,
347 HSBC BANK USA NATIONAL ASSN
350 BARTHOLOMEW, NICOLE
HERRING, EDWARD
KING, FASHION
LARA, MICHAEL
MCFARLANE, FRANSHELL
SLATER, JOYCE
WISE, W
352 DUTCHESS CARD CO INC
354 MAIN STREET HEALTH CENTER
SHAH, KISHORI
356 ANDERSON, PAMELA
BROWN, DEVAUGHN
LENT, WILLIAM
LEVON, RICHARD
MACK, E
MELTON, GREGORY L
MILLER, JENNIE
PAMPINELLA, SANDRA
RICHARDSON, KAVIN
358 ANDERSON, BRIAN
ARIZ, SUKRAN
AZIZ SUKRAN
AZIZ, SUKRAN
LUFFMAN, DEBORAH L
MORALES, MARTHA
OTOOLE, TERRENCE M
RUGMAN LEONARD H JR
SHAW, CHARLES S
STOUT, SHANEN
TAYLOR, TAMARA
WILLIAMS, TAMONIQUE D

## MAIN ST 2005 (Cont'd)

| | |
| --- | --- |
| 364 | TOTAL NEW LOOK BEAUTY SALON |
| 366 | BUNCH, SHAWAN |
| | I&S GROCERIES |
| | UNUIGBE, SONJI |
| 367 | OCCUPANT UNKNOWN, |
| 368 | BLAKE, WAYNE |
| | HALL, DERRICK E |
| | MAMAS KNOWS |
| 370 | LALANI, AMIR |
| 372 | CITY OF POUGHKEEPSIE PARTNR |
| | CULINARY TRAINING INSTITU |
| | DESERT TO LIVE FOR LLC |
| | NILDAS DESSERTS LIMITED |
| 380 | EBONY HAIR STYLISTS INC |
| | HOWARD, INCHA |
| | LU LUZ CAFE |
| 381 | 152 NORTH MILLER ST LLC |
| | BRASWELL, BRUCE W |
| | ITAL 3 LLC |
| 382 | BROWN, DALE |
| 384 | ANAS BEAUTY SALON UNISEX CORP |
| | OCCUPANT UNKNOWN, |
| 387 | DUCHESS COUNTY HEALTH DEPT |
| | DUTCHESS CNTY HIV HEALTH SV |
| 388 | OCCUPANT UNKNOWN, |
| 395 | MARISCOS, DE A |
| 398 | POUGHKEEPSIE PAWN BROKERS |
| 399 | DAVIS, RANDOLPH |
| | LYNCH, A |
| | SANTIAGO, ENRIQUE R |
| | SMITH, SAUDIA R |
| | TILLERY, JAMES E |
| | VARGAS, CARLOS |
| | WOZNIAK, TANNER R |
| 400 | BARATO & CHEAP STORE |
| | FRESH CUT BARBERS |
| | GOLDEN TOUCH UNISEX SALON |
| | POUGHKEEPSIE EXPRESS DELI |
| 403 | BRATHWAITE, WAYNE |
| | DICKSON, DOROTHY |
| | DIXON, MAURICE |
| | KONAN, RYENNE |
| | MACAULEY, MELVIN |
| 411 | CONGRESS TAVERN INC |
| 412 | FAMILY DOLLAR STORES OF NY |
| | KEATING, GEORGIA I |
| 420 | VOICE MAIL BOX |
| 424 | DEANS PAVING |
| | LA POBLANITA |
| 444 | MITCHELL, DERICK R |

## MAIN ST 2005 (Cont'd)

448 ACCESS HAIR UNISEX SALON
450 SECOND HAND ROSE
452 SOUL EXPRESS CAFE
453 COSTELLO, SALLY A
455 DEDE, EUNIKE A
FODOR, KALMAN
WINPHRIE, ROBIN A
458 BEDDER, WALTER C
DINGEE, JEAN
GREEN, THOMAS C
MURSHED, FAWAZ
SALISBURY, BARBARA L
460 M & N SALES CO INC
464 EL COVARRUVIAS
RETAIL GROCERY TOCHIMILCO
SELCAL BEAUTY SUPPLY INC
468 BEVAN, MICHELLE
CONNERS, BARBARA
DENNIS, TIFFANY
DICKERSON, IZEL
GARCIA, S
GILER, DOROTHY
HARTH, M
HATTON, CLAUDIA
HERNANDEZ, HUMBERTO
LEE, JERAL
MADDOX, GENE
MCKENZIE, T
MCLEOD, CARLTON
MURRAY, MICHAEL
PADMORE, DERRICK
PITTMAN, JERRY
RODRIGUEZ, DAVID
SUTHERLAND, J
THOMAS, MAIA
TICHACEK, AMANDA
471 BTO AUTO WORKS INC
472 GREWAL CORP
481 ACTIVE BEVERAGE INC
BOWSER, THELMA
485 JANIS WHOLESALE FLOWERS
OCCUPANT UNKNOWN,
507 CHRIST SPRNTRAL TMPLE DLVRANCE
511 6 LIBERTY STREET LLC
512 20TH CENTURY TAVERN INC
RIDDICK, DAVID
513 MEMORY FOAM MATRESS
517 RITE STOP GROCERY STORE & DELI
518 ACCESSIBLE DISABILITY VAN RNTL
OCCUPANT UNKNOWN,

## MAIN ST 2005 (Cont'd)

| | |
| --- | --- |
| 518 | PAYLESS MEDICAL TRANSPORTATION |
| | PAYLESS TRANSPORTATION INC |
| 521 | CASTELLANOS, CRECENSIO |
| | LORENZO, JESUS |
| | MENDOZA, CONSTANTINO |
| | MENDOZA, JULIO |
| | PAUTA, SEGUNDO A |
| | SHARPE, KRISTINA |
| | URJILES, CRISTIAN |
| | VARGAS, ADRIANA |
| 522 | CHESTER CHICKEN DELI GROCERY |
| 523 | AMIGON, LLINGO |
| | BASTIDA, NAHUM |
| | CRUZ, CEASAR G |
| | DELACRUZ, ERASTO |
| | FRANCISCO, MARINO |
| | GARCIA, HECTOR |
| | GARNICA, JOSE L |
| | HERNANDEZ, CESAR |
| | JIMENEZ, SERGIO |
| | LEVENE, DIANNA |
| | LOPEZ, ANTONIO |
| | LOPEZ, HILARIO |
| | LUPE, BLANCA |
| | ORTIZ, MARCOS |
| | PACHECO, TOMASA |
| | PERES, GERMAN |
| | POZO, GILBERTO |
| | RAMOS, WILFREDO |
| | ROJAS, FERNANDO |
| | SANTOS, CRUZ |
| | SOLIS, G |
| | ZARATE, MICHAELA |
| 525 | AGUILAR, EFRAIN |
| | AGUSTIN, ESTELLA |
| | CABAVID, LUIS |
| | CAMARGO, GUILLERMO |
| | CHISHOLM, CROMPTON L |
| | CRUZ, HUMBERTO |
| | DOMINGUEZ, HILDA |
| | FLORES, JOSE |
| | GOMEZ, REGULO |
| | HERNANDEZ, DANIELA |
| | LEON, TOMASA |
| | LOPEZ, MIGUEL C |
| | LUIS, MARIO |
| | MENDOZA, ALBERTO L |
| | MIRANDA, MARVIN |
| | NAVARRO, GISELA |
| | ORTIZ, CENOBIO |

## MAIN ST 2005 (Cont'd)

| | |
| --- | --- |
| 525 | ROSARIO, MIGUEL A |
| | SANCHEZ, ENRIQUE |
| | SANTIAGO, PORFIRIA S |
| | SEGURA, M |
| 527 | AGUSTIN-LOPEZ, LAURENCIO |
| | HERNANDEZ, SILVIA |
| | LAARAICHI, BOUCHAIB |
| | MENDOZA, EDUARDO |
| | PINEIRO, BLANCA |
| 528 | LA COCINA DE LA TIA |
| | SUPER BARBEQUE |
| 530 | FLORES, LOUIS |
| | MARTINEZ, ARNULFO |
| | NAIM MIDDLE EAST AMERICAN FOOD |
| | ROGERS, MARK J |
| | SPENCER, CHARLES |
| | SPENCER, MARGARET |
| | SULLIVAN, DONALD J |
| | VAIL, LISA |
| 531 | EXPRESS MOTOR GAS INC |
| | MARCS AUTO REPAIR |
| 532 | POUGHKEEPSIE PROF FIREFIGHTERS |
| 534 | ADELS USED CARS |
| | DEMANE, JOHN |
| | PARKER AVE XTRA AUTO SALES |
| 537 | BARBER, TRACY T |
| | CENTENO, JOSE L |
| | EXCELLENCE |
| | GARCIA, MARGARITO |
| | RITTER, ALLEN D |
| | SANCHEZ, RENE R |
| | UPSON, VERNON L |
| | VIVAR, ROBERTO |
| 539 | A H L CONSEMEXT INC |
| | BETHEA, DOLORES |
| | BROOMER, CHATONYA |
| | CLARK, C |
| | EDWARDS, DAWN M |
| | ELTING, LAWRENCE |
| | PEREZ, REMBERTO |
| | TORRES, CRECENCIAN |
| 544 | CARLINO INSURANCE AGENCY |
| | ORSER, EUNICE R |
| | REDL RICHARD INSURANCE |
| | WAGNER BELLEVUE |
| 546 | ANDERSON, WYKECIA |
| | SHARKEYS STOVE HDQTR & APPLS |
| 549 | DUTCHESS COUNTY HISTORICAL SOC |
| 550 | ALEMAN, GUILLERMO |
| | CAVANAS, CESAR C |

## MAIN ST 2005 (Cont'd)

| | |
| --- | --- |
| 550 | FIGUEROA, MANUEL |
| | GONZALEZ, MARISOL L |
| | GORDILLO, MENDEZ J |
| | IMPERATI, RICHARD |
| | JUAREZ, GONZA H |
| | MARTINEZ, VICTOR |
| | MENDEZ, JORGE G |
| | NAVARRETE, RUPERTO G |
| 551 | LANE, EDRIC |
| | MALCOLM HAZEL |
| | TOLLIVER, DELORIS |
| 552 | GREENS RESTAURANT & LOUNGE |
| | RIVER VALLEY CRICKETT CLUB |
| 553 | LUCERO, AMANDO |
| | MOORE, NICOLE |
| 556 | BEY, PRECIOUS |
| 558 | ALFORD, WILLIS |
| | CALMECA RETAIL STORE |
| | CASPARIAN, HANNAH |
| | COOK, ROBERT J |
| | LASSITER, LATINA |
| | MARTINEZ, RUFINO |
| | MILEY, GLORIA |
| | SANTIAGO, GABRIEL H |
| | SMITH, COURTNEY |
| 559 | EFRAIN RENDON AGUILAR |
| | JIMENEZ, ANDRES |
| | LOPEZ, HUGO |
| | PEREZ, EDITH |
| | PINZON, O |
| | REFUGIO, SILVESTRE |
| | REYES, SAVINO |
| | ROJAS, CESAR |
| | SOSA, LETICIA |
| 560 | THRASHER, JOHN F |
| 562 | SPOSATO, FIORE S |
| | STEPHENS, ANGELA |
| 563 | SMITH, COLIN |
| | SMITH-BELL, GRETHEL |
| | TEREIRA, WELLINGTON |
| 565 | DIXON, EARL D |
| 566 | TERRY, LANCE |
| | WHEELER, J |
| 570 | TRUCK PICK UP SERVICE |
| 579 | CORDOVA, ARIEL |
| 581 | DIAZ, ALEJANDRO M |
| | EL BRACERO MEXICAN RESTAURANT |
| | HAVERTY, JOHN E |
| | RODRIGUEZ, HONORIO |
| 582 | A B C AUTOWORKS INC |

## MAIN ST 2005 (Cont'd)

582 OCCUPANT UNKNOWN,
ULTIMATE TIRE SHOP LTD
584 OSTRANDER STEPHEN
585 SABIA AUTO EXCHANGE
591 VARIATIONS HAIR SALON
595 INTIMATE DESIRE
597 BEDELL BRIAN L
LITTLE WEST
MI PAIS
598 MAIN STREET AUTO CENTER
599 DISTEFANO, DAMIEN
HERNANDEZ, SANTIAGO A
KLOTZ, D
LYBOLT, EDWARD M
600 FRIENDLY CAR WASH MAIN ST
618 DRIVAS STEVE
PETES FAMOUS RESTAURANT
620 SANTOS, JOSELITO
631 GINESE, ANTHONY
632 KANE, CHARLES J
633 FAMILY DOLLAR STORES OF NY
635 GLEBE HOUSE
637 CARDOSO, VICTORINO
CELAYA, MIGUEL A
DELOSANGELES, MARIA
DRS GROSS & FLORES
ESCOBAR, DAMIAN
ESPINZA, ALDO
GARCIA, ANDRES
GROSS, THEODE C
HERNANDEZ, EDUARDO G
PETS FOR GLORY
QUINONES, ANTONIO
RUIZ, EDILBERTO R
URIETA, EDUARDO
638 CLEMIES UNISEX SALON
MGP CORP
639 HAMILTON, VERNAL
RUCKER CATERING
WILLIAMS LOUNGE
641 BENITEZ, ERIC
CRUZ, MARIA
DIAZ, ANA
JBS SERVICES INC
JIMENEZ, EDWIN
KILLETT, M
PARKER, L
PEREZ, LORENA
SANCHEZ, MARIO
TOUHEY, HAZEL M

## MAIN ST 2005 (Cont'd)

641 VASQUEZ, LUIS E
WINSTON, CHARLES
WOOD, DEBORAH
643 BSK ENTERPRISES INC
KANE MOTORS
646 FOREVERS N Y C FLAVORS & FASH
LIVE3K INC
SERVICE PLUS
UNIQUE FASHIONS
648 ANTEQUERA NY INC
TRANS FAX
651 FDRG INC
654 DAVIS, JACK
HOUSE OF DAVIS FURNITURE CO
691 ANTONIO, ARTURO
CAMPOS, FRANCISCO
GUTIERREZ, ADOLFO
HERNANDEZ, GREGORIO
LA AMSTED BAKERY 2
LOS PACOS UNISEX SALON
MARCIAL, FERMIN M
MARTINEZ, MARCIAL F
PATRICIAS & MARIOS DELI
TOMAS, ALEJANDRO
VALENCIA, ALEJANDRO
693 BAUTISTA, GASPAR
EL GALLITO RESTAURANT
ESCOBAR, ALFREDO
GABRIEL, ALFONSO
GREEN, JUNIOUS R
LUNA, JOSE G
MENDOZA, MARGARITA
PEREZ, MARIANO
PIINEIRO, BLANCA
RAMIREZ, ROMEO
REYES, FABIOLA
ROJAS, CLAUDIO
VALERIANO, ANTONIO
VELETA, AMANDA
697 ALARCON, BENJAMIN
BIG TOMATO LUNCHEONETTE
GRANWAY LAUNDERETTE
GRARADOS, JAVIER O
LINDH, T
MALDONADO, A
PARROTTE, ROGER W
ROJAS, CELSO
SMITH, JASON T
698 HARRISON, ELIZABETH A
699 AMEEN, S

## MAIN ST 2005 (Cont'd)

| | |
| --- | --- |
| 699 | BERISHHA, BUJAR |
| | BIZZARRO, FRANCESCO |
| | FOCERI, STEVEN |
| | GENCO, MICHAEL A |
| | GODFREY, CHARLES G |
| | GOOD, GEORGETTE |
| | JOHNSON, ANTHONY A |
| | LILES, MARCUS |
| | MCCAFFREY, JOSEPH |
| | MCFARLANE, DONNA |
| | MOROCHO LUIS ANTONIO BELESACA |
| | VOISIN, GARTH |
| 700 | ANGELES, ALFREDO |
| | BERNAL, CARLOS C |
| | CARRIBEAN BKY & PATTY PALACE |
| | KAYS FASHION |
| 701 | POUGHKEEPSIE WINES & LIQUOR |
| 702 | FURNITURE EXCH OF POUGHKEEPSIE |
| | OCCUPANT UNKNOWN, |
| 706 | ACKERT, TAMARA |
| | AUDIA, SHARON L |
| | BIEVER, DUANE J |
| | GAFFNEY, PETER |
| | GEMMATI, DONATO C |
| | GINOS PIZZA |
| | LENT, MARY H |
| | WOOD, MEGHAN |
| 707 | HUDSON UNITED BANK |
| | POSABK INC |
| 709 | ECKERD CORPORATION |
| 719 | CARVEL CORPORATION |
| 248250 | NUBIAN DIRECTIONS II INC |
| 372378 | MY BROTHER BOBBYS SALSA LLC |
| 654690 | RITE AID OF NEW YORK INC |

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# N PERRY ST 2005

| | |
|---|---|
| 20 | ACKERT, DONNA J |
| | ADORNO, F |
| | ANSON, CHARLES |
| | BERNHARD, ELIZABETH S |
| | BOYKIN, PEARLIE |
| | CHARANJIT KAUR |
| | COLON, WILLIAM D |
| | DELEASE, LLEWELYLN |
| | DI, GIOVANNI |
| | DUVA, J D |
| | FARLEY, IRENE A |
| | HIPPAUF, RICHARD B |
| | HUDSON, OLLIE P |
| | HUNT, W Y |
| | JOHNSON, BEVERLY L |
| | KANE, JAMES M |
| | KARACSONY, NANCY L |
| | KAUR, CHARANJIT |
| | KETTE, JAMES P |
| | KLING, STEPHEN W |
| | KNOWLTON, SHIRLEY M |
| | KOENIG, WILLIAM J |
| | LANE, EDWARD C |
| | LOTT, M |
| | LOVETT, ELIZABETH R |
| | MINHOLZ, FLORENCE A |
| | MORANO, TONI A |
| | MURRAY, MARTIN J |
| | OAKES, ELIZABETH S |
| | OSTERHOUDT, PHYLLIS T |
| | PENDELL, WILLIAM F |
| | POST, JAMES C |
| | PYERS, MARY E |
| | ROGRIGUEZ, LUIS |
| | SHERLOCK, MARION |
| | STAFFORD, HELJU |
| | STOKES, RENEE |
| | THOMAS, ELEANOR K |
| | WHEELER, I A |
| | WILLIAMS, LENWOOD E |
| 37 | ARIAS, PHILLIP |
| | DUNN, RICHARD S |
| | GN MANAGEMENT INC |
| | MARSHALL, RHONDA |
| 41 | LEONARD, JOHN P |
| 43 | BRITO, LUIS M |

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## MAIN ST 2000

| | |
|---|---|
| 1 | SPACKENKILL UNION FREE |
| 19 | SCHULTZ, HARRY |
| 33 | JOHNSON S C & SON INC |
| 54 | PAGGI MARTIN & DEL BENE LLP |
| 85 | RLWS INC |
| 97 | RIVER WINE & LIQUOR |
| 101 | BERNER, JENNY |
| | MARZULLO, GREGORY L |
| 103 | BURLINGAME, GEORGIA R |
| | BURLINGAMS |
| 105 | GOODFEATHERS CHICKEN & RIBS |
| | GUERRA, JOSE |
| 107 | IT TAKES PRIDE BAKERY INC |
| 109 | ALARCON, PEDRO |
| | ARIAS, FELIPE |
| | GUERRA, JOSE R |
| | QUIJADA, ALEIDA |
| 110 | C H RESOURCES INC |
| | CENTRAL HUDSON ENERGY SERVICES |
| | CENTRAL HUDSON ENTPS CORP |
| | LIGHTHOUSE INTERNATIONAL |
| | MASTER RISK INC |
| | OCCUPANT UNKNOWN, |
| | POUGHKEEPSIE AREA CHMBR CMMRCE |
| | POUGHKEEPSIE CHAMBER COMMERCE |
| | RAPPORT MEYERS WHITBECK SHAW |
| | RETIREMENT MANAGEMENT CO INC |
| | SALAND STEPHEN M |
| | SCORE |
| 111 | EMILIANOS PIZZA |
| | FARRELL, FRANCES |
| | MILANESE, SANTINO |
| 113 | MARTINEZ, MIGUEL |
| | MILANESE, A V |
| | PEREZ, R |
| 115 | MILANESE SANTINO |
| | OCCUPANT UNKNOWN, |
| 116 | ALTERNATIVES ENVMTL SVCS |
| 135 | DISABLED AMERICAN VETERANS |
| 138 | IRENE DEVELOPMENT CORP |
| 168 | CELESTE, MICHAEL J |
| 192 | ALMAJADI, MAI |
| | LAWRENCE, C |
| | TAYLOR, R |
| 194 | BOWMAN, R |
| | CHERRY, DENISE |
| | GREENE, RONALD |
| | POWERS, A |
| 196 | KESSLER, LORRAIN |
| | MAIN ST ART GALLERY INC |

## MAIN ST 2000 (Cont'd)

| | |
| --- | --- |
| 196 | SCHULTZ, RICHARD M |
| | WILLIAMS, BRENNAN D |
| 198 | ALBERT SHAHINIAN FINE ART |
| | MURPHY, ATESSIA T |
| | THOMAS, L |
| 200 | CUTTING BOARD |
| 204 | BEHRENDS, JON |
| 208 | OCCUPANT UNKNOWN, |
| 210 | ANDERSON, GUY |
| | BELL, H |
| | CAIN, PAUL |
| | CLAWSON, H |
| | CROWELL, EDWARD |
| | FREEMAN, E |
| | GALE, SARAH |
| | HAMIEL, JAMES |
| | HENRY, C |
| | HOUSTON, J |
| | KARA, J |
| | LAIN, THOMAS |
| | MONACO, B A |
| | MONTIJO, DAVID |
| | NELSON, T |
| | PARKER, R |
| | POWELL, V |
| | RIFENBURGH, BILL |
| | RINGWOOD, K |
| | RIVERA, OLGA |
| | SENECAL, RANDY J |
| | TWYMAN, E |
| | VICENTE, JOSE |
| 211 | OCCUPANT UNKNOWN, |
| 218 | RIVER MGT DEV & RLTY INC |
| 220 | ASKEW, EUGENE |
| | BREWER, S G |
| | GONZALEZ, HECTOR M |
| | HARDERS, RANDY |
| | PERCY, DUANE A |
| | SAXON, DANA |
| | SCOTT BARRY AGENCY INC |
| | TAYLOR, EUGENE C |
| | VEGA, DAVID |
| 235 | LABOR NEW YORK DEPARTMENT OF |
| | LAW DEPARTMENT ATTORNEY GEN |
| 399 | TILLERY, JAMES E |
| | WALKUP, JAMES W |
| | ZEPPONE, LOUIS A |
| 400 | TROPICAL MARKET |
| 403 | BOONE, RENEE |
| | BRAITHWAITE, URLA |

## MAIN ST 2000 (Cont'd)

| | |
| --- | --- |
| 407 | RNTL HOLDING INC |
| 411 | CONGRESS TAVERN INC |
| 412 | KEATING, GEORGIA I |
| 420 | ALAMO MED & SURGICAL SUP CO |
| 424 | DEANS PAVING |
| | LESTERS AUTO SALES & TOWING |
| | LUFFMAN DANNY |
| | VOICE MAIL BOX |
| 442 | PATTIS PALACE GROCERY & DELI |
| | WHITTED, SAMUEL |
| 444 | MITCHELL, DERICK |
| 448 | DICK CROSS INC |
| 450 | SECOND HAND ROSE |
| 452 | JOES BARBEQUE HOUSE |
| 455 | DEDE, EUNIKE A |
| | DOHERTY, J |
| | HOWARD, OSWALD C |
| | MARKLE, CRYSTAL |
| | STAUBLE, JAMES M |
| | VELEZ, MIGUEL A |
| 460 | M & N SALES CO INC |
| 464 | PERFECTION HAIR DESIGN |
| | SELCAL BEAUTY SUPPLY INC |
| 468 | ARNOLD, G |
| | FULLER, J |
| | VANHOUSEN, JOHN |
| 471 | BTO AUTO WORKS INC |
| 472 | GREWAL CORP |
| 481 | ACTIVE BEER & SODA INC |
| | BOWSER, THELMA |
| | WHEATLY, F |
| 484 | SCOTT BUSINESS MACHINES SVC |
| 485 | NGUYEN, PHUONG |
| 489 | ALAMO WHEELCHAIR TRNSP SVC |
| 503 | STEINMAC INC |
| 509 | BAKER, JAMES K |
| | DANIELS, V A |
| | MOODY, V |
| | WILLIAMS, M |
| 511 | OCCUPANT UNKNOWN, |
| 512 | 20TH CENTURY TAVERN INC |
| 518 | CAB COMPANY |
| 519 | CLASSIQUE FASHION |
| 522 | OCCUPANT UNKNOWN, |
| | RITE STOP GROCERY STORE & DELI |
| 523 | IBANEZ, ELIGIO |
| | JANKOVIC, HILA |
| | MOORE, E |
| | RIVERA, IRIS |
| | SKINNER, THELMA |

## MAIN ST 2000 (Cont'd)

| | |
| --- | --- |
| 523 | WALKER, ROY |
| 525 | BELLOW, DEBORAH A |
| | GEAKE, KRISTEN |
| | IBANEZ, ELIGIO |
| | MOJICA, MIGUEL |
| | OLVEIRA-RIVERA, MARIA |
| | VILLANUEVA, BLANCA |
| 527 | DENIKE, CHERYL |
| | NOBLES, R |
| 528 | SMOKEYS LOUNGE |
| 530 | SPENCER, M |
| 531 | EXPRESS GAS INC |
| 532 | POUGHKEEPSIE PROF FIREFIGHTERS |
| 534 | ADELS USED CARS |
| | MIKES AUTO SALE AND REPAIR |
| | PARKER AVE XTRA AUTO SALES |
| 537 | BARBER, TRACY |
| | FARCIERT, E |
| | MARTINEZ, MARIA |
| | SANCHEZ, RENE R |
| 544 | CARLINO INSURANCE AGENCY |
| | REDL RICHARD INSURANCE |
| 546 | SHARKEYS STOVE HDQTR & APPLS |
| 549 | DUTCHESS CNTY HSTRICAL SOC THE |
| 550 | BCS FOREIGN CAR PARTS INC |
| | CAMPBELL, ALYSIA |
| 551 | HAFFNER, ROBERT |
| | LOVE, SHIRLEY |
| | MALCOLM HAZEL |
| 553 | OCCUPANT UNKNOWN, |
| 556 | DOUGLAS, MICHAEL |
| 557 | GOWAN, F |
| 558 | ALSTON, ROBERT |
| | POST, B |
| | SMITH, S |
| 560 | CALJES BOOK STORE |
| | GIST, LAKESHA |
| 562 | OSTERHOUDT, W |
| | OUTREACH, HARVIS C |
| | RAMIREZ, MELISSA |
| | SPOSATO, FIORE |
| 563 | SMITH-BELL, GRETHEL |
| 564 | BAXTER, MINDY |
| | BELL, JOANN |
| 565 | OCCUPANT UNKNOWN, |
| 566 | HARPER, K |
| | HENDRICKSON, NICOLE |
| | HENRY, ROBERT L |
| | KING, CAROLYN |
| | TORRES, LUIS A |

## MAIN ST 2000 (Cont'd)

| | |
| --- | --- |
| 566 | VAUGHERS, SHONDA |
| 579 | CORDOVA, ARIEL |
| | ILLARI, PETER |
| | PANCHO VILLA DELI |
| 581 | EL BRACERO MEXICAN RESTAURANT |
| | HAVERTY JACK AUTO PARTS INC |
| | HAVERTY, JOHN |
| | MENDEZ, ROGELIO F |
| 582 | FRANKS AUTO BODY |
| | ULTIMATE TIRE SHOP LTD |
| 584 | OSTRANDER STEPHEN |
| 585 | SABIA AUTO EXCHANGE |
| 591 | ANTONIO, ALEX |
| | VARIATIONS HAIR SALON |
| 595 | INTIMATE DESIRE |
| 597 | BEDELL BRIAN L |
| 598 | MAIN STREET AUTO CENTER |
| 599 | LYBOLT, EDWARD |
| | NELSON, PETER |
| 605 | RENT-A-CENTER INC |
| 618 | PETES FAMOUS RESTAURANT |
| 633 | FAMILY DOLLAR STORES INC |
| 637 | DRS GROSS & FLORES |
| 638 | CLEMIES UNISEX SALON |
| 641 | B & B PRETTY NAIL SALON |
| | HOAG, DAVID W |
| | KILLETT, M |
| | MYERS, BRIAN J |
| | OATES, JIMMY L |
| | TOUHEY, H |
| 643 | KANE MOTORS |
| 646 | RU DOWN |
| 691 | BOWENS, STEVEN |
| 693 | ABBOTT, A |
| | CHRITIAN, S |
| | CRONK, DARYL |
| | HORTON, C |
| | UPTOWN SOUNDS |
| 697 | BIG TOMATO LUNCHEONETTE |
| | GIDLEY, CHERYL |
| | GRANWAY LAUNDERETTE |
| | HOFMAN, RONEN |
| | SHAFFER, F |
| | STUETZLE BILL STAINED GLASS |
| | STUETZLE, WILLIAM |
| 698 | DONALD, E |
| 699 | BUDETTI, VINCENT |
| | FAST BEEP II |
| | GENCO, MICHAEL |
| | GOOD, G |

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## MAIN ST 2000 (Cont'd)

| | |
|---|---|
| 699 | MORDUSKY, MICHAEL |
| | SHAFER, FLOYD |
| 700 | CARRIBEAN BKY & PATTY PALACE |
| 702 | FURNITURE EXCH OF POUGHKEEPSIE |
| 706 | GINOS PIZZA |
| 707 | HUDSON UNITED BANK |
| 709 | ECKERD 5024 |
| 372378 | FELICIA FOODS LLC |
| 654690 | HOUSE OF DAVIS FURNITURE CO |
| | RITE AID OF NEW YORK INC |

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## N PERRY ST 2000

| | |
|---|---|
| 20 | BERNHARD, E |
| | BOYKIN, PEARLIE |
| | CWIK, F |
| | GRABOWICZ, EUGENIA |
| | HIPPAUF, RICHARD B |
| | HULTS, M |
| | KNOWLTON, S |
| | KOENIG, WILLIAM J |
| | LANE, EDWARD |
| | LAUGHTON, RUDYARD |
| | LENT, WILLIAM |
| | LOTT, M |
| | LOVETT, E R |
| | LYONS, LEONA |
| | MILLER, D |
| | MINHOLZ, F |
| | MOHAN, M |
| | MORANO, TONI |
| | OAKES, E S |
| | ODESCALCHI, C |
| | OSTERHOUDT, PHYLLIS T |
| | PENDELL, WILLIAM |
| | PENDER, J |
| | PIGNONE, E V |
| | POST, M |
| | PYERS, MARY |
| | QUIMBY, EDNA |
| | ROGRIGUEZ, LUIS |
| | SMITH, S |
| | THOMAS, ELEANOR |
| | WHEELER, I A |
| | WHITE, F L |
| | WILLIAMS, D |
| 37 | GN MANAGEMENT INC |
| | WENHAM, JON |
| 43 | BRITO, LUIS M |

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# MAIN ST 1995

| | |
|---|---|
| 25 | DEN-CLIFF INC |
| 27 | GALLERIA UP TO DATE CO INC |
| 35 | DOWAL PLUMBING SUPPLY CO INC |
| 41 | CONJER CORP |
| 54 | PAGGI & MARTIN CONSLT ENG/SRVY |
| 85 | SPANKYS |
| 96 | CHARLIES |
| | NAP ENTERPRISES INC |
| 110 | CENTRAL HUDSON COGENERATION |
| | CENTRAL HUDSON ENTPS CORP |
| | MARSHALL & STERLING INC |
| | MASTER RISK INC |
| | PNC MORTGAGE CORP OF AMERICA |
| | POUGHKEEPSIE AREA CHMBR CMMRCE |
| | RAPPORT MEYERS GRIFFEN |
| 115 | MILANESE RESTAURANT |
| 168 | BREAD OF LIFE CHURCH |
| 191 | BERNSTEIN KENNETH M |
| | HUDSON RIVER RADIOLOGY MSO |
| | MOLINARO RACHEL A |
| | SOCIAL SECURITY ADMINISTRATION |
| | WING STEPHEN J |
| 196 | MAIN ST ART GALLERY INC |
| 200 | TROPICS RESTAURANT & LOUNGE |
| 204 | CUTTING BOARD |
| 214 | MAHER & BROFMAN |
| | STATEWIDE ABSTRACTS CORP |
| 218 | RIVER MANAGEMENT DEV & RLTY |
| 220 | SCOTT BARRY AGENCY INC |
| 235 | NEW YORK STATE OF |
| 399 | OAXACA PRODS |
| 407 | SHERMAN FURNITURE INC |
| 411 | CONGRESS TAVERN INC |
| 420 | ALAMO MED & SURGICAL SUP CO |
| | CARIFFE MED & SURGICAL SUP CO |
| | POUGHKEEPSIE RADIO INC |
| 422 | BJS FAMOUS CHICKEN |
| 424 | AAA HEALTH INSURANCE QUOTES |
| | ACADEMY MESSAGE BUREAU INC |
| | DEANS PAVING |
| | LESTERS AUTO SALES & TOWING |
| | LUFFMAN DANNY |
| | TAPE TO TYPE |
| | VIANO JOHN A HEATING & COOLING |
| 425 | CROSS DICK INC |
| 428 | LAUNDROMAT |
| 442 | ANTOINES DELI |
| 450 | SECOND HAND ROSE |
| 452 | JOES BARBEQUE HOUSE |
| 457 | OCONNOR BYRON |

## MAIN ST 1995 (Cont'd)

| | |
| --- | --- |
| 460 | M & N SALES CO INC |
| 464 | PERFECTION HAIR DESIGN |
| | SELCAL BEAUTY SUPPLY INC |
| 468 | ALTERNATIVE CRISIS PREGNANCY |
| | FAITH CHRISTIAN OUTREACH CTR |
| | LIFE TABERNACLE |
| 469 | KARATE & FITNESS |
| 471 | BTO AUTO WORKS INC |
| 472 | GREWAL HARWINDER |
| 481 | ACTIVE BEER & SODA INC |
| 484 | SCOTT BUSINESS MACHINES SVC |
| 485 | JANIS WHOLESALE FLOWERS INC |
| 488 | ALZHEIMERS DISEASE AND RELATED |
| 489 | DIESING SUPPLY CO INC |
| 503 | STEINMAC INC |
| 507 | CHRIST TEMPLE |
| 512 | 20TH CENTURY TAVERN INC |
| 530 | MEDITERRANEAN AMER FOOD CENTER |
| 531 | EXPRESS GAS |
| 532 | POUGHKEEPSIE PROF FIREFIGHTERS |
| 534 | ADELS USED CARS |
| | PARKER AVE XTRA AUTO SALES |
| | POUGHKEEPSIE TAXI LIMOUSINE |
| 544 | CARLINO INSURANCE AGENCY |
| | CHEYENNE GROUP INC |
| | REDL RICHARD INSURANCE |
| 546 | SHARKEYS STOVE HDQTR & APPLS |
| 549 | DUTCHESS CNTY HSTRICAL SOC THE |
| 550 | BCS FOREIGN CAR PARTS |
| 560 | CALJES BOOK STORE |
| 562 | KEN PARRYS USED FURNITURE |
| 579 | CRISPIS 2 DELI |
| 581 | EL BRACERO MEXICAN RESTRNT |
| | HAVERTY JACK AUTO PARTS INC |
| 582 | FRANKS AUTO BODY |
| | ULTIMATE TIRE SHOP LTD |
| 584 | OSTRANDER STEPHEN |
| 585 | SABIA AUTO EXCHANGE |
| 591 | BACU FUEL CORPORATION |
| | VARIATIONS HAIR SALON |
| 595 | DALIA FELICE |
| 597 | BEDELL BRIAN L |
| 598 | DUTCHESS MOTORS INC |
| 599 | FORUM SOCIAL CLUB INC |
| 600 | RIZZO SAL |
| 605 | THORN AMERICAS INC |
| 618 | PETES FAMOUS RESTAURANT |
| 637 | DRS GROSS FLORES |
| 643 | KANE MOTORS |
| 646 | ELECTRIC INK TATTOO |

| Target Street | Cross Street | Source |
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## MAIN ST 1995 (Cont'd)

| | |
|---|---|
| 648 | VICTORIA FASHION & GIFT SHOPPE |
| 651 | RITE AID OF NEW YORK INC |
| 691 | BENITO VONA CRPT INSTALLATION |
| | VONA BENITO |
| 693 | GRANWAY BEAUTY SHOP |
| 697 | BIG TOMATO LUNCHEONETTE |
| 698 | DENNIS WILLIAM |
| 699 | J J C ELECTRIC |
| 700 | FALANGAS DAIRY |
| | ONE BROTHER THREE SISTERS DELI |
| 702 | FURNITURE EXCH OF WPPNGERS FLS |
| 706 | GINOS PIZZA |
| 707 | POUGHKEEPSIE SAVINGS BNK F S B |
| 709 | BANK OF NEW YORK (INC) |
| 719 | CARVEL CORPORATION |
| 5456 | KELLY SERVICES INC |
| 8993 | COPYTEX CORP |
| 509511 | SHUTE WILLIAM A INC |
| 516518 | GALAXIE SERVICE STATION |
| 570574 | EASTERN TERITRAL HQS SALV ARM |

| Target Street | Cross Street | Source |
| --- | --- | --- |
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## N PERRY ST 1995

37 POUGHKEEPSIE VILLAGE

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# MAIN ST 1992

| | |
|---|---|
| 6 | HUGHES, JAMES |
| 25 | DEN-CLIFF INC |
| 27 | GALLERIA UP TO DATE CO INC |
| 35 | DOWAL PLUMBING SUPPLY CO INC |
| 41 | POUGHKPSIE TRAIN STA SNACK BAR |
| 54 | PAGGI & MARTIN CONSLT ENG/SRVY |
| 85 | SPANKYS |
| 96 | CORDERO, EMANUEL |
| | GADBOIS, G |
| | NAP ENTERPRISES INC |
| | ORMSBY, C L |
| | RICHARDS, D |
| | SFORZA, L |
| 101 | CODY, CHIKELA |
| | FASCADES UNISEX HAIR CUTTERS |
| | MANSOUR, AHMED |
| | MIGLIORE, BRETT |
| | PRADINES-ZAMPKO, BEATRICE |
| | SWART, JEFFREY |
| 103 | BURLINGAME, GEORGIA ROE |
| | BURLINGAMES |
| | MURPHY, OLIVE S |
| 109 | GIAMMATTEO, GIROLAMO |
| | PROJECTS TO EMPOWER |
| | ROSARIOS GROCERY |
| 110 | CENTRAL HUDSON COGENERATION |
| | CENTRAL HUDSON ENTPS CORP |
| | FREDERICK & ASSOC FINCL SVCES |
| | MARSHALL & STERLING INC |
| | MASTER RISK INC |
| | POUGHKEEPSIE AREA CHMBR CMMRCE |
| 111 | MILANESE, DANIEL |
| | MULLEN, L |
| | PELUSO, LOUIS |
| 113 | MILANESE, GINALEA |
| | MILANESE, SANTINO |
| | VOLINO, SABATO |
| 115 | MILANESE RESTAURANT |
| 135 | ACKERMAN, B |
| | AMATO, M W |
| | BARTHOLF, E B |
| | BERBRICH, M M |
| | BLEEN, WILLIAM T |
| | BOCCHINO, ELIZABETH |
| | BOTH, G S |
| | BRENNER, AGNES C |
| | CANDLES, F |
| | CARPENTER, D |
| | CHAMBERS, ALMA M |
| | CHIAPPE, THOMAS |

## MAIN ST 1992 (Cont'd)

135 COLLIER, H
COOPER, L
COTTON, D L
DALBO, THOMAS
DANIELS, D
DANSKY, R
DAUT, FRED
DE MARTINO, G
DI GIACOMO, E
DISABLED AMERICAN VETERANS
DUNCAN, G E
ELEM, E L
ELIAS, M
FELLS, M
FRIES, A
GALVIN, A
GOLDTHORPE, L
GRIFFIN, I D
GUERTIN, L
HAMILTON, CHARLES J
HARRELL, A D
HART, KATHLEEN
HOWLETT, A C
HUCK, L
HUSTON, V
KING, EDITH
KOCH, V
LAWLOR, EDWARD J
LEO, ANTHONY
LUCAS, M
LYONS, EILEEN
MAGENNIS, FRANK R
MALUSEV, GEORGE
MANSFIELD, S M
MARTINO, H
MC MILLIAN, ALBERTA G
MORGAN, LOUISE
MULI, PASQUALE
MURPHY, B
MURPHY, R
MURPHY, RICHARD J
NOBLE, RALPH
OTERO, E
PALMIERI, M
PALMITIER, H
PANCIO, PAUL & ELISABETH
PATTANTYUS, T
PERILLO, MARY
PERRY, B
POWELL, LUCY ETTA

## MAIN ST 1992 (Cont'd)

| | |
| --- | --- |
| 135 | REDEKER, C |
| | RICHARDS, THERESA |
| | RIVERA, M |
| | ROGOSKI, I |
| | SCHOLEFIELD, CHARLES W |
| | SCHUG, AUGUST |
| | SHELL, JOSEPH D |
| | SHOOK, ROBERT |
| | SIMONS, A |
| | SMITH, E IRENE |
| | SMITH, MARY V |
| | SOUTHWARD, JAMES W & MAE |
| | SPENCER, W |
| | STEINBACH, LESTER |
| | STRONG, L & B |
| | TANCREDI, MILDRED |
| | TANG, JULIA |
| | TARAN, CATHERINE |
| | TARTAGLIA, ELIZABETH |
| | TAYLOR, M |
| | TOTH, G |
| | TULLY, ANDREW |
| | VANEK, JOHN |
| | WOR, ANNA |
| 192 | FREEMAN, P |
| | KIZITO, JAMES S |
| | TAYLOR, FRANCES |
| 196 | CALISE, K |
| | KESSLER, LORRAINE |
| | MAIN ST ART GALLERY INC |
| 198 | BETSCHA, PAUL |
| | MIRABELLE, ROBERT P, II |
| | SHAY, ERIC |
| 200 | OSBORNE, DAWN M |
| 204 | CUTTING BOARD |
| 206 | BURGOS, TARNA |
| | JENNINGS, J D |
| 210 | BOLAND, ROBERT |
| | CAMMARATA, M |
| | CAMPBELL, MARY |
| | CLAWSON, H |
| | COOK, B |
| | CULLEN, ROY, SR |
| | EVANS, ADRIENNE |
| | GALBAN, N |
| | GIBBS, BARRY |
| | GREEN, LUTHER |
| | JOHNSON, B L |
| | LYONS, WADDELL |
| | MORGAN, STANLEY |

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## MAIN ST 1992 (Cont'd)

| | |
|---|---|
| 210 | MOULTRY, R |
| 214 | JUST ABSTRACTS INC |
| 218 | MCCROSSEN, DOUGLAS |
| 220 | FALINA, MARK |
| | RIVER MANAGEMENT DEV & RLTY |
| | WELLS, AYO |
| | WILLIAMS, SIMONE |
| 228 | HUDSON RIVER CRAFT CO OP |
| | MID HUDSON ARTS & SCIENCE CTR |
| 235 | NEW YORK STATE OF |
| | P & P CONSULTANTS INC |
| 301 | WICKER, V M |
| 311 | DUTCHESS CARD CO INC |
| 322 | CIOLLI PIZZA CORP |
| | PIRRAGLIA NICHOLAS |
| | RITE AID PRSCR CTR OF PGHKPSIE |
| | SPINIELLO, G |
| 324 | RITE AID CORPORATION |
| 354 | TONY THE TAILOR |
| 356 | JOHNSTON, D |
| | PETERSON, K |
| | SYLVANIE, E |
| 358 | RUGMANS |
| | WALKER, MARILYN |
| 366 | SACIOLO, CHRISTOPHER J |
| 367 | DUTCHESS CENTER |
| 368 | TRENT, R |
| 372 | WOOLWORTH F W CO |
| 381 | CAPITOL BAKERY INC |
| 382 | DOYLE & SANTOPADRE INC |
| 384 | EDWARDS, EDWARD B |
| 385 | MC CORMACK THOMAS J |
| 399 | ANTONIO, ROBERTO |
| | CZMERCHA, SANDRA |
| | OAXACA PRODS |
| | RENT-A-CENTER INC |
| | ROBINSON, S |
| | ROGERS, BOBBIE JO |
| | THIGPEN, JULIET |
| | WATSON, ANDREA |
| 400 | JEANBAPTISTE, WILSON |
| 403 | BRAITHWAITE, URLA |
| | SHERMAN FURNITURE INC |
| 405 | SHERMAN FURNITURE INC |
| 411 | CONGRESS TAVERN INC |
| 412 | KEATING, GEORGIA I |
| 419 | BERTS FLOOR COVERING INC |
| 420 | ALAMO MED & SURGICAL SUP CO |
| | CARIFFE MED & SURGICAL SUP CO |
| | POUGHKEEPSIE RADIO INC |

## MAIN ST 1992 (Cont'd)

| | |
| --- | --- |
| 422 | ARCH CAPITOL DISTRICT INC |
| 424 | ACADEMY MESSAGE BUREAU |
| | CORPORATE BUILDING SVCE INC |
| | DEANS PAVING |
| | DUTCHESS SEAMLESS GUTTERS |
| | LAWNS KINGSTON POUGHKEEPSIE |
| | LESTERS AUTO SALES & TOWING |
| | MORANS LIVERY SERVICE |
| | ROAD SPRINKLER FITTERS UNION |
| 425 | CROSS DICK INC |
| 427 | FISHERMAN S NET |
| 428 | LAUNDROMAT |
| 437 | SHAFRAN RICHARD AND MARGO |
| 442 | ANTOINES DELI |
| | PLACE, RAYMOND D |
| 444 | FAITH TEMPLE HOLINESS CHURCH |
| 445 | ROBBINS FRUIT CO |
| 450 | SECOND HAND ROSE |
| 452 | JOES BARBEQUE HOUSE |
| 453 | C & A TV |
| 455 | CREGO, GARY & RUTH |
| 457 | O'CONNOR, BYRON |
| | OCONNOR BYRON |
| 458 | DAVIS, MORGAN DANIEL |
| | SAUNDERS, KEN R |
| 460 | M & N SALES CO INC |
| | VODOLA, L |
| 462 | MUTAKABBIR, MASJID |
| 464 | EBONY UNISEX SALON |
| | SELCAL BEAUTY SUPPLY INC |
| 468 | ALTERNATIVE CRISIS PREGNANCY |
| | BAUMANN, HEATHER |
| | JONES, LOTTIE MAY |
| | LANCASTER, PATRICIA |
| | LEWIS, MICHAEL |
| | MAHER, WILLIAM, JR |
| 469 | HILL SIDE LIQUOR BARN INC |
| 470 | POUGHKEEPSIE CHECK CASHERS |
| 471 | BTO AUTO WORKS |
| 472 | CITY CENTRAL DELI INC |
| 481 | BREAD OF LIFE CHURCH |
| | LUDWIG, GEORGE |
| | MINHOLZ, F |
| | PATRICE, E |
| 484 | ACTIVE BEER & SODA INC |
| | PARAMOUNT VENDING CO INC |
| | SCOTT BUSINESS MACHINES SVC |
| 485 | JANIS WHOLESALE FLOWERS INC |
| 488 | DUTCHESS COUNTY OF |
| 489 | DIESING SUPPLY CO INC |

## MAIN ST 1992 (Cont'd)

503 STEINMAC INC
505 SMITH, JIM
509 FITZPATRICK, WILLIAM J
SHAFFER, FREDERICK
SHUTE WILLIAM A INC
512 20TH CENTURY TAVERN INC
GLEASON, VINCENT D
HINSON, SAUNDRA
TABER, JAMES J
513 PHUC, VAN VO
516 GALAXIE SERVICE STATION
517 CATALANO TONI ANN
522 TEXAS LUNCH
523 DESCOTEAUX, ROBERT C
MC NAIR, L
PETERSON, M C
525 RICHARDSON, URIEL
528 ELENAS TAVERN
530 SICOLO, MARY V
531 EXPRESS GAS STATION
532 POUGHKEEPSIE PROF FIREFIGHTERS
534 PARKER AVE EXTRA INC
537 ALL STAR VIDEO
541 EVANS, SANDRA, JR
LASAND, JASON
544 CARLINO INSURANCE AGENCY
CHEYENNE GROUP INC
546 SHARKEYS STOVE & APPL HDQTR
548 DUBOIS, DIANE
549 DUTCHESS CNTY HSTRICAL SOC THE
550 BCS FOREIGN CAR PARTS
CLEMMONS, THERESA
GREGORY, M
NEW U HAIR DESIGN
551 RUSS GROCERY & DELI
553 ELLISON, DESIREE
HAYES, DEBRA
RUSS, G
558 KELLY, VINCENT C
MACKIE, J
560 CALJES BOOK STORE
OSTERHOUDT, W
562 KEN PARRYS USED FURNITURE
OSBORNE, JOYCE
SPOSATO, FIORE
WILLIAMS, DAVID
563 JACKSON, A
PITTMAN, ELBERT
565 DIXON, EARL
566 TAYLOR, RUTH

## MAIN ST 1992 (Cont'd)

| | |
| --- | --- |
| 570 | EASTERN TERITRAL HQS SALV ARM |
| 579 | ILLARI, PETER |
| | PINEY ANTONIO |
| 581 | BRADFORD, MATTIE |
| | EL BRACERO MEXICAN RESTAURANT |
| | GRIMMETT, SHARON |
| | HAVERTY JACK AUTO PARTS INC |
| 582 | FRANKS AUTO BODY |
| | PITINOS SERVICE STATION |
| | ULTIMATE TIRE SHOP LTD |
| 584 | OSTRANDER STEPHEN |
| 585 | SABIA AUTO EXCHANGE |
| 589 | CRAWFORD, CLOTHILDA |
| 591 | BROWN, J |
| 595 | DALIA, VINCENT |
| | T J PIZZA |
| 597 | BACU FUEL CORPORATION |
| 598 | DUTCHESS MOTORS INC |
| 599 | FORUM SOCIAL CLUB INC |
| | LYBOLT, EDWARD |
| | SCHOESSOW, ALBERT H |
| 605 | AGENCY RENT-A-CAR INC |
| 637 | BARRAOS, ERNEST |
| | NESHEIWAT, EYAD |
| | SCHACKNER S JOEL DDS |
| 638 | MICHAEL KRICHEFF INC |
| 639 | BURGER, JOYCE |
| | LOUCKS, S |
| 641 | LANE, MARION E |
| | SINGH, AMARAJIT |
| | TOUHEY, H |
| 643 | SMITH HOWARD AUTO SALES |
| 648 | DOMINICS SHOE REPAIR |
| 650 | COUGHTRY SUPPLY CO INC |
| | GRAPHIC TECHNIQUES INC |
| 651 | RITE AID CORPORATION |
| 691 | BENITO VONA CRPT INSTALLATION |
| | LANG, SKIP |
| | MC BREARTY, B |
| | VONA BENITO |
| | WALKER, TOM |
| 693 | ANTENUCCI, M G |
| | GRANWAY BEAUTY SHOP |
| | NEAR, G |
| | REDDINGTON, T, JR |
| | SHAFER, DENNIS W |
| 697 | BARTON, P |
| | BIG TOMATO LUNCHEONETTE |
| | CRUZ, DOROTEO |
| | GIDLEY, CHERYL |

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## MAIN ST 1992 (Cont'd)

| | |
|---|---|
| 697 | MAILLET, NELLIE, TDD |
| | STUETZLE, WILLIAM |
| 698 | DENNIS WILLIAM |
| | TOMPKINS, WILLIAM S |
| 699 | ANTENUCCI, ANTHONY J |
| | CONNORS, MICHAEL, JR |
| | J J C ELECTRIC |
| | PELUSE, C J |
| | SHADES OF LIGHT |
| 700 | FALANGAS DAIRY |
| 701 | EURO-CBNETS DSTRS OF PGHKEPSIE |
| 702 | HABERS WAREHOUSE OF WHEELS |
| 706 | BAUTISTA, VICTOR |
| | BOOTH, C |
| | GINOS PIZZA |
| | LOPES, FRANCISCO |
| | MARTINEZ-FRANCISCO, LEONARDO |
| 709 | BARCLAYS BANK OF NEW YORK NA |
| 715 | BEST TILE DSTRS OF PUGHKEEPSIE |
| 719 | CARVEL CORPORATION |
| 8993 | DELSON BUSINESS SYSTEMS INC |
| 52312 | SKINNER, CHARLES & THELMA |
| 52512 | GOR, DOUGLAS |

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|---|---|---|
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# N PERRY ST 1992

| | |
|---|---|
| 20 | BERNHARD, E |
| | BOEDEGE, E |
| | BOYKIN, PEARLIE |
| | BUCEY, DOROTHY C |
| | CLINTON, B |
| | DE LANCY, M |
| | GRABOWICZ, E |
| | KELLY, E |
| | LANE, EDWARD |
| | LAUGHTON, RUDYARD |
| | LISTER, K |
| | LOVETT, E R |
| | MC NAMARA, RITA |
| | MILEO, A T |
| | MILLER, D |
| | MURRAY, JOHN |
| | OAKES, E S |
| | ODESCALCHI, CHARLOTTE |
| | PENDELL, WILLIAM |
| | POST, JAMES, JR |
| | PYERS, MARY |
| | QUIMBY, EDNA |
| | SABREY, B |
| | SMITH, S |
| | SMOLAK, A |
| | WHITE, F L |
| | ZIETLOW, J |
| 43 | SCHILBE, WILLIAM & LUCIANA |

| Target Street | Cross Street | Source |
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| ✓ | - | Polk's City Directory |

**MAIN ST 1988**

389 Viking Kitchen The 473-3489
392 Reick Jewelers 454-6080
394 Poughkeepsie General Store pawn brokers 485-4125
395 Hamilton Diner 485-3366
396 King Richard Hair Stylist 486-9640

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17

**MAIN ST –FROM HUDSON RIVER EAST TO JUNCTION PLEASANT VALLEY RD AND MANCHESTER RD (TP)**

ZIP CODE 12601
FRONT ST BEGINS
1 Vacant
25 River Station restr 452-9207
RINALDI BLVD BEGINS
N WATER ST BEGINS
S WATER ST BEGINS
35 Johnson J D Co plmb sup 452-3200
41 Dutchess County Travel Information Center 485-4690
Amtrak Intercity Rail Passenger Station 485-4690
Metro-North signal dept 452-6900
Metro-North System track dept
Dutchess Loop Bus System 485-4690
Caffrey's Snack Bar 473-0449
HARRIS ST BEGINS
DAVIES PL BEGINS
85 Spanky's Restaurant 485-2294
91 American Copier sls & serv
89-93 American Copier Corporation 454-7600
96 Derby Tavern The 454-1488
S CLOVER ST BEGINS
97 Vacant


RURAL CEMETERY
ys only full need cemetery
ith Dignity for over 135 Years
ghkeepsie, NY Tel. (914) 454-6020

. 12538

GENESIS 9·12·13
862 A South Road
RAINBOW'S END
RELIGIOUS SUPPLIES
914-297-7221
Wappingers Falls, N.Y. 12590
BANKAMERICARD
VISA

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# MAIN ST 1988

UP*TO*DATE
In Poughkeepsie
Arlington, Hudson Plaza & South Hills
LADIES AND MENS FASHIONS AND ACCESSORIES
278 MAIN MALL (12601)
TEL. 471-0300

Delivering Warmth to Dutchess County for Over 60 Years
Bacu Fuel Corp.
Fuel Oil - Kerosene - Installations - Budget Plans - 24 Hour Service - Senior Citizen Discounts
597 Main Street, Poughkeepsie 454-3400

WALTER SMITH WELDING SUPPLIES INC.
Lincoln Welders
Welding Products
Miller Welders
ALL TYPES OF GASES
Cylinders Rented or Leased
LINDE
Phone: 471-6835
115 Dutchess Tpk. (12603)



**MAIN ST–Contd**

16

N CLOVER ST BEGINS
101 Fascades Unisex Haircutters 471-5575
103 Riches To Rags thrift shop
105 Rosario's Deli 473-4416
109 Vacant
111★Volino Francesca Mrs 473-1784
★Milanese Maria
★Travis Douglas
★Stover Robt
113★Ahmed Mansour
Volino Sabato 473-1784
★Samra E L
115 Milanese Restaurant 471-9533
N PERRY ST BEGINS
S PERRY ST BEGINS
135 Admiral Wm F Halsey Senior Village apts 471-9788
101 Kelly J 485-7777
102 Mc Millian A 473-2776
103 Digiacomo E 452-7661
104 Petrone M 454-8678
105★Poancio Paul
106 Galvin A 473-9042
107★Strong L 473-0853
108 Johnson Pearl Mrs 473-1636
109 Vacant
201★Hernandez S 473-0238
202★Dorn Agnes F Mrs 454-5346
203 Powell Lucy E Mrs 454-9793
204 Freer Alice Mrs 454-3932
205 Jones Robt F 452-1021
206 Connelly 471-1105
207 Nixon Gloria 473-4857
208★Slavik Manton 452-2753
209 Lyons Eileen 471-7328
210★Shook Robt 454-0386
301 Wicker Viola M 471-5940
302★Murphy Danl 454-3267
303 Bartholf Eliz B Mrs 471-5652
304★Brond I 454-9801
305 Kotkin Sidney 471-9477
306★Fries F
307 Elias Mary M Mrs 471-4814
308★Palmitier Helen 452-4425
309 Parsons Edith Mrs 471-8018
310 Calogero Salvature 471-6315
401★Lake H 452-7245
402 Vanek Angelina M Mrs 452-5496
403★Hart Kathleen 452-2037
404 Spencer Bettina 471-9686
405 La Rue Millicent E Mrs 473-2787
406★Britt M 454-9289
407 Goldthorpe Louise Mrs 471-4876
408★Rinkle Mildred 452-7660
409★Demartino Giovanna 473-3890
410 Lo Giudice Josephine 473-3537
501 Johnson Sara 471-9718
502 Fryar Anna Louise 471-8679
503 Lucas Vincenza Mrs
504★Jamieson R E Mrs 454-0838
505★Porter Florence 473-2984
506 Bub C C 454-5272
507 Taylor Earl A 471-3012
508 Bleen Wm T 473-4595
509 Taran Cath 473-7441
510 Southward James W 471-4217
601★Engler Lisette 454-1758
602★Whisple D 454-4495
603 Amato Mildred W Mrs 473-3102
604★Grant M
605 Chambers Alma M Mrs 454-4523
606 Koch Vera Mrs 473-4768
607 Higgins Robt W 454-6451
608 Ackerman Blanche Mrs 471-2306
609 Dalbo Thos 473-2394
610 Scholefield Charles W 473-4167
701★Daut Fred 452-1979
702 Carpenter Dorothy M 454-2186
703 Kingsley Sarita 471-9035
704 Minet Helen V Mrs
705 Tartaglia Eliz 471-0154
706 Dansky Rose 454-8256
707 Richards Theresa G Mrs 471-6367
708 Schug Katharina T Mrs
709 Taylor Margt S 473-7943
710 Smith Mary V 452-0363
801 Perillo M 452-6079
802 Bowman Evelyn L Mrs 454-7837
803 Tully Andrew W 471-0698
804★Cooper C 485-6292
805★Frazier M 452-2402
806★Pattantyus T 473-2042
807 Rusnock Andrew 471-0574
808 Both Gladys S Mrs 471-9532
809★Morgan L 473-5499
810 Daniels Margt M Mrs 471-4979
901 Vassillew Thos J 452-6860
902 Lawlor M 471-6414
903 Cassell O 471-0417
904 Howlett Anna C Mrs 473-3682
905 Vinberg Blanche 485-8784
906 Simons Ada Mrs 452-5461
907★Daniels F D 451-5808
908★Harrell A 454-4240
909 Redeker Caroline Mrs 471-0970
910 Tang Thos 471-8088
1001 Guertin L 452-5583
1002★Steinbach M 471-8765
1003 Smith Eliz I 454-5928
1004 Huston Viola B Mrs 473-4299
1005 Cronk A 471-6533
1006 Rivera Monserrata S Mrs 471-3892
1007 Murphy Janet M 471-6699
1008★Lucus M
1009★Walden D 452-5421
1010★Chiappe N 454-7516
1101 Quick E
1102★Amato R M 452-6017
1103 Kocon Stella Mrs 471-8806
1104★Magennis M 452-3135
1105★Hamilton C 452-9629
1106 Martino Helen 454-7327
1107 Malusev Geo 454-8349
1108 Bozsella Julia M Mrs 452-6863
1109 Berbrich Margt M 471-5839
1110★Duncan G 471-5902
1201 Moseley Ida J Mrs 471-1196
1202★Martin J
1203★Lee M 471-7707
1204 Lampropoulos Alexandra Mrs 473-3768
1205 Walton I 452-6572
1206 Post M 452-6671
1207★Belliezi T 473-9063
1208 Boone Sarah Mrs 471-1397
1209★Candles F 473-8201
1210 Doyl F M 452-7409

| Target Street | Cross Street | Source |
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# MAIN ST 1988

L. T. Bookhout, Inc.
Real Estate Consultation - Appraising
LELAND T. BOOKHOUT - M A I—S R E A
(914) 229-5367
42 ALBANY POST ROAD, P.O. BOX 278 HYDE PARK, N.Y. 12538



**MAIN ST–Contd**
N BRIDGE ST BEGINS
S BRIDGE ST BEGINS
186 Vacant
VASSAR ST BEGINS
192 Harris Hall Apartments
1 Johnson Raymond
2 Mc Clinton
5 Twyman Jannie
6 Rleber
7 Waite
8 Vacant
9 Elton
10 Vacant
11 Vacant
12★Freeman Pauline 473-0941
13 Vacant
14★Tavior F 452-9624
196 Duro Construction Corp 485-4211
198★Mirabelle
200 Vacant
202 Apartments
1 Vacant
210 Two Hundred Ten Main Street Apartments
1a Angelo
1b Vanorsadall Susan 473-3158
1g★Lassiter A
1h Wortman
1j Jones
1k★Albury L
1l★Clarksmith
2a Mc Kinny
2b★Hortman M
2d★Green L
2e★Johnson R
2f★Perry B
2g★Treanor J
2j★Jackson R
2k★Boland Robt
2l★Miller L
2n★Idosh U S
3a Thorpe Jesse III
3b Baker
3d★Breault D
3f★Islam S I
3g★Hammond Joe
3h Cammarala
3j★Royal D
3k★Conklin Rene
3l★Knapp J
3l★Lyon S W
3m★Pelegrin J
4a Clawson Helen 473-3202
4b★Caldan N
4c★Vanorsdall Geo
4d★Ferris B
4e Burns J 485-5566
4f Kizis
4g Carter Ander
4h Vacant
4j Blue J
4k★Ghee S
4l★Flinn Joe
4m★Berry Stan P
216 Vacant
220 Vacant
Apartments
1★Jones Howard R
2★Tompkins Debby
3★Conners P
4 Vacant
5 Jones Mildred 485-3501
6★Reedert Norep
7★Houper Louis T 485-6945
8★Gatewood R
9 Klein
WASHINGTON ST BEGINS

42

LITTLE WASHINGTON ST BEGINS
228 Mid-Hudson Arts & Science Center Inc museum 471-1155
235 G S A Building
ROOMS
101 U S Health & Human Services (Social Security Admn) 452-3583
102 U S Air Force (Recruiting) 454-3985
103 U S Navy (Recruiting) 452-1390
104 U S Marine Corps (Recruiting) 452-1960
105 U S Army (Recruiting) 452-0155
201 U S Internal Revenue Service 471-6763
202 Vacant
203 U S Dept Labor Wage & Hour Div 452-4204
204 I R S (Addl Sp) 485-2273
301 U S Attorney Generals Ofc (Addl Sp) 485-3900
302 U S Probation 452-4205
303 U S Attorney Generals Ofc 485-3900
304 Vacant
236 Pre-School Special Education 432-2417
County Court House Annex
1st Fl Jury Rooms
ROOMS & FLOORS
309 County Commissioner Of Jurors 431-1820
County Mail Room
311 County Grand Jury 431-1940
4th Fl County Youth Services 431-2187
5th Fl County Youth Bureau 432-2021
MARKET ST BEGINS
MAIN MALL BEGINS

41

S HAMILTON ST BEGINS
399 Main Mall East
Vacant

51

★Simon Joyce
★Stout
★Moore
Rent-A-Center furn rent 473-4994

THE JEWELRY STORE
Route 44
• Custom Design • Handcrafted Jewelry • Complete Jewelry Repair
(914) 635-9060
Pleasant Valley, NY 12569

Rod's
FLORIST AND GREENHOUSE
584 South Road
Garden Supplies — Plants — Perennials — Flowers
462-4444
Poughkeepsie, N.Y. 12601

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ALICE J. HOWELL
Agent
Route 82 and 376, Hopewell Jct., NY 12533
Off.: (914) 226-5005

| Target Street | Cross Street | Source |
|---|---|---|
| - | ✓ | Polk's City Directory |

## N PERRY ST 1988

11

6 Juavinett John ◎ 471-4229
8 Cioffi Thos C ◎ 454-3417
10 Mc Kenna Peter J ◎ 454-4724
12 Clifford James V Jr ◎ 471-4294
14 Zirnis Elmar E

---

16

**PERRY ST N –FROM 131 MAIN NORTH TO 166 MILL**

ZIP CODE 12601
20 Smith Shirley 485-7223
24 Vacant

---

20

**PERRY ST S –FROM 128 MAIN SOUTH TO 157 UNION**

ZIP CODE 12601
6 Long Andrew T ◎ 473-3873
12 Columbus School (Pre Kindergarten) 452-5467

• Rentals • Appraisers
siness • Mobile Homes
P.O. Box 888
297-5584
MLS
584

| Target Street | Cross Street | Source |
|---|---|---|
| ✓ | - | Polk's City Directory |

**MAIN ST 1985**

389 Danish Design Center Ltd china 471-5545
392 Reick Jewelers 454-6080
394 Poughkeepsie Loan Office pawn brokers
395 Hamilton Diner 471-7611
396 Seidenfeld Joseph optom 877-6262

---

17

**MAIN ST —FROM HUDSON RIVER EAST TO JUNCTION PLEASANT VALLEY RD AND MANCHESTER RD (TP)**

ZIP CODE 12601
FRONT ST BEGINS
1 Vacant
25 River Station tavern 452-9207
RINALDI BLVD BEGINS
N WATER ST BEGINS
S WATER ST BEGINS
35 Johnson J D Co Inc plmb sup 452-3200
41 Dutchess County Travel Information Center 485-4690

tablished 1910
ED LOCKSMITH
d Sales-Sales & Repairs
Systems Sold & Installed
TEL. 471-2150

**BACU FUEL CORP.**
Serving Dutchess County For Over 58 Years
FUEL OIL & KEROSENE
Complete Heating Installations and Complete Oil Burner Service
BUDGET PLANS
597 MAIN STREET, POUGHKEEPSIE, N.Y. 454-3400



MAIN ST—Contd
Amtrak Intercity Rail Passenger Station 452-5200
Metro-North signal dept 452-1410
Metro-North System track dept 452-2750
Dutchess Loop Bus System
Depot The restr 471-4138
HARRIS ST BEGINS
DAVIES PL BEGINS
85 Pippy's Tavern & Restaurant 454-9342
91 A A Power Equipment 473-4787
96 Brown Derby Tavern 452-9165
S CLOVER ST BEGINS
97 Marcinelli's Liquors 454-2322

16

N CLOVER ST BEGINS
101 Vacant
103 Riches To Rags thrift shop
105 Butcher Boy gro & meats 471-3190
★Vitrone Lewis T 473-7934
109 Perry Barbara
Volino Francesca Mrs 473-1784
Acampora Alfonzo
111 No Return
113 Milanese Santino © 454-3059
★Volino Sabato 473-1784
115 Milanese Restaurant 471-9533
N PERRY ST BEGINS
S PERRY ST BEGINS
135 Admiral Wm F Halsey Senior Village apts 471-9788
101★Kelly J 473-7343
102★Mc Millian Alberta G 757-5371
103 Digiacomo
104 Petrone Mary Mrs 471-3615
105 Mc Millen Merrill S 473-5603
106 Galvin
107 De Sanctis
108 Johnson Pearl Mrs
109★Whiteley Clifton L 471-2606
201 Frye Betty Mrs
202 Dallow Victoria J 473-3924
203 Powell Lucy E Mrs 454-9793
204 Freer Alice Mrs 454-3932
205★Jones Robt F 452-1021
206 Connelly
207 Nixon Geo M
208 Daddario
209 Lyons
210★Ladson P 473-3794
301 Wicker Viola M 471-5940
302 Sheehan Ralph J 454-4884
303 Bartholf Eliz B Mrs 471-5652
304 Dawson
305★Kotkin Sidney
306★Sandy Cornelius R 454-8955
307 Elias Mary M Mrs 471-4814
308 Schuler Betty E Mrs 452-4461
309 Parsons Edith Mrs
310 Calogero
401★Orr A M 473-4163
402 Vanek Angelina M Mrs 452-5496
403 Mangerillo
404 Spencer
405 La Rue Millicent E Mrs
406 Abdoo Rose Mrs
407 Goldthorpe Louise Mrs 471-4876
408★Hurley M 454-1599
409 Biondo Theresa 471-6429
410★Logui Dice
501★Johnson Sara
502 Fryar
503 Lucas Vincenza Mrs
504 Chiarella Sarah E Mrs
505 Vacant
506★Bub C C 454-5272
507 Taylor Earl A
508 Bleen Wm T 473-4595
509★Taran Cath 473-7441
510 Southward James W 471-4217
601 Sturgis Alice F Mrs 471-4586
602★Powers B 471-4010
603 Amato Mildred W Mrs 473-3102
604 Levy Mary Mrs 454-8226
605 Chambers Alma M Mrs 454-4523
606 Koch Vera Mrs
607★Higgins Robt W 454-6451
608 Ackerman Blanche Mrs 471-2306
609★Dalbo Thos 473-2394
610 Scholefield Charles W 473-4167
701★Hetey Mary V Mrs 471-8161
702★Carpenter Dorothy M 454-2186
703 Kingsley Walter W 471-9035
704 Minet Helen V Mrs
705 Tartaglia
706 Dansky Rose 454-8256
707 Richards Theresa G Mrs 471-6367
708 Schug Katharina T Mrs
709 Taylor Margt S 473-7943
710 Smith Mary V 452-0363
801★Perillo O
802 Bowman Evelyn L Mrs 454-7837
803 Tully Andrew W 471-0698
804★Jamison Louise Mrs 473-5230
805 North
806★Regler B 471-6561
807 Rusnock Andrew 471-0574
808 Both Gladys S Mrs 471-9532
809 Digilio Eliz Mrs
810 Daniels Frank V 471-4979
901★Vassillew Thos J 452-6860
902 Lawlor Edward J 471-6414
903 Cassell
904 Howlett Anna C Mrs 473-3682
905 Vinberg Blanche
906★Simons Ada Mrs
907 Lauria Frank
908 Kearney Geraldine R 471-8939
909 Redeker Caroline Mrs 471-0970
910 Tang Thos
1001★Guertin L 452-5583
1002 Jamieson
1003 Smith Harold J 454-5928
1004 Huston Viola B Mrs 473-4299
1005 Cronk
1006 Rivera Monserrata S Mrs 471-3892
1007 Murphy Richd J 471-6699
1008 Mendlowitz Estelle 452-7875
1009 Miczko Kath Mrs 473-4831
1010 Newborg Josephine Mrs 473-4869
1101 Quick
1102 Yamen Mary Mrs 473-4485
1103 Kocon Stella Mrs
1104 Delehanty Gertrude L Mrs 473-7858
1105 Parker Ruth W Mrs 452-5522
1106★Martino Helen 454-7327
1107 Malusev Geo 454-8349
1108 Bozsella Julia M Mrs 452-6863
1109 Berbrich Margt M 471-5839
1110 Hausle Eleanor Mrs 473-4766
1201 Moseley Ida J Mrs

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New Jersey
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575-9875

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Investigative Service
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*The Home Of Good Clothes Since 1867*
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Dutchess Mall, Fishkill Telephone 897-4304



MAIN ST—Contd
1202 Spinner
1203 Dryer Ruth F Mrs 471-4960
1204 Lampropoulos Alexandra Mrs 473-3768
1205 Walton
1206 Post
1207 Andrews Estelle R Mrs
1208 Boone Sarah Mrs
1209 Landry Marie E Mrs 473-4575
1210★Doyl F M 452-7409

15

N BRIDGE ST BEGINS
S BRIDGE ST BEGINS
186 Vacant
VASSAR ST BEGINS
192 Harris Hall Apartments
1★Johns Raymond
2 Vacant
5 Twyman Jannie
6★Nicholson F
7 Morrison P
8 Bell Hattie
9 Vacant
10 Vacant
11★Johnson John W 473-4412
12 Vacant
13 Bullock
14 Taylor Frances Mrs 452-9624
196 Vacant
200 Vacant
202 Apartments
1★Coleman Patricia
2 Mendolia
3 Steede
4★Johnson J
5 No Return
BSMT No Return
204 Vacant
206 Vacant
210 Two Hundred Ten Main Street Apartments
1a Boland Robt
1b★Vanorsadall Susan 473-3158
1g Foley Margt M
1h Vacant
1j Gibson
1k Vacant
2a Vacant
3a★Thorpe Jesse III
3b Baker
3f Johnson
3g Vacant
3h★Trainor Jim
3j★Horonitz Tracy
3k Vacant
4a Clawson Helen 473-3202
4b Vacant
4c Vacant
4d★Vanorsadall Geo
4e Burns
4f Kizis
4g★Carter Ander
4h Gardner
4j★Blue John
4k Vacant
216 Vacant
220 Vacant
Apartments
1★White Mary
2 Vacant (Apts 2-4)
5★Jones Mildred 485-3501
6 Vacant
7★White Patricia
8 Vacant
9 Vacant
WASHINGTON ST BEGINS

42

LITTLE WASHINGTON ST BEGINS
228 Mid-Hudson Arts & Science Center Inc museum 471-1155
235 G S A Building
ROOMS
101 U S Health & Human Services (Social Security Admn) 452-3583
102 United States Air Force (Recruiting) 454-3985
103 United States Navy (Recruiting) 452-1390
104 United States Marine Corps (Recruiting) 452-1960
105 United States Army (Recruiting) 452-0155
201 Internal Revenue Service 471-6662
202 United States Coast Guard (Recruiting) 452-3388
203 United States Dept Labor Wage & Hour Div 452-4204
204 Hospice Of Duchess County Inc 485-2273
301 Attorney Generals Office 485-3900
302 United States Probation 452-4205
303 Attorney Generals Ofc 485-3900
304 Eberhard Builders & Associates developers 452-6542
304 Poughkeepsie Financial Plaza 452-6542
305 C B I Sales & Service credit reporting agcy 454-5228
236 County Court House Annex
FL Jury Rooms
ROOMS & FLOORS
309 Commissioner Of Jurors 485-9870
311 Storage
FL Vacant
FL Vacant
MARKET ST BEGINS
MAIN MALL BEGINS

41

S HAMILTON ST BEGINS
399 Main Mall East
Vacant

51

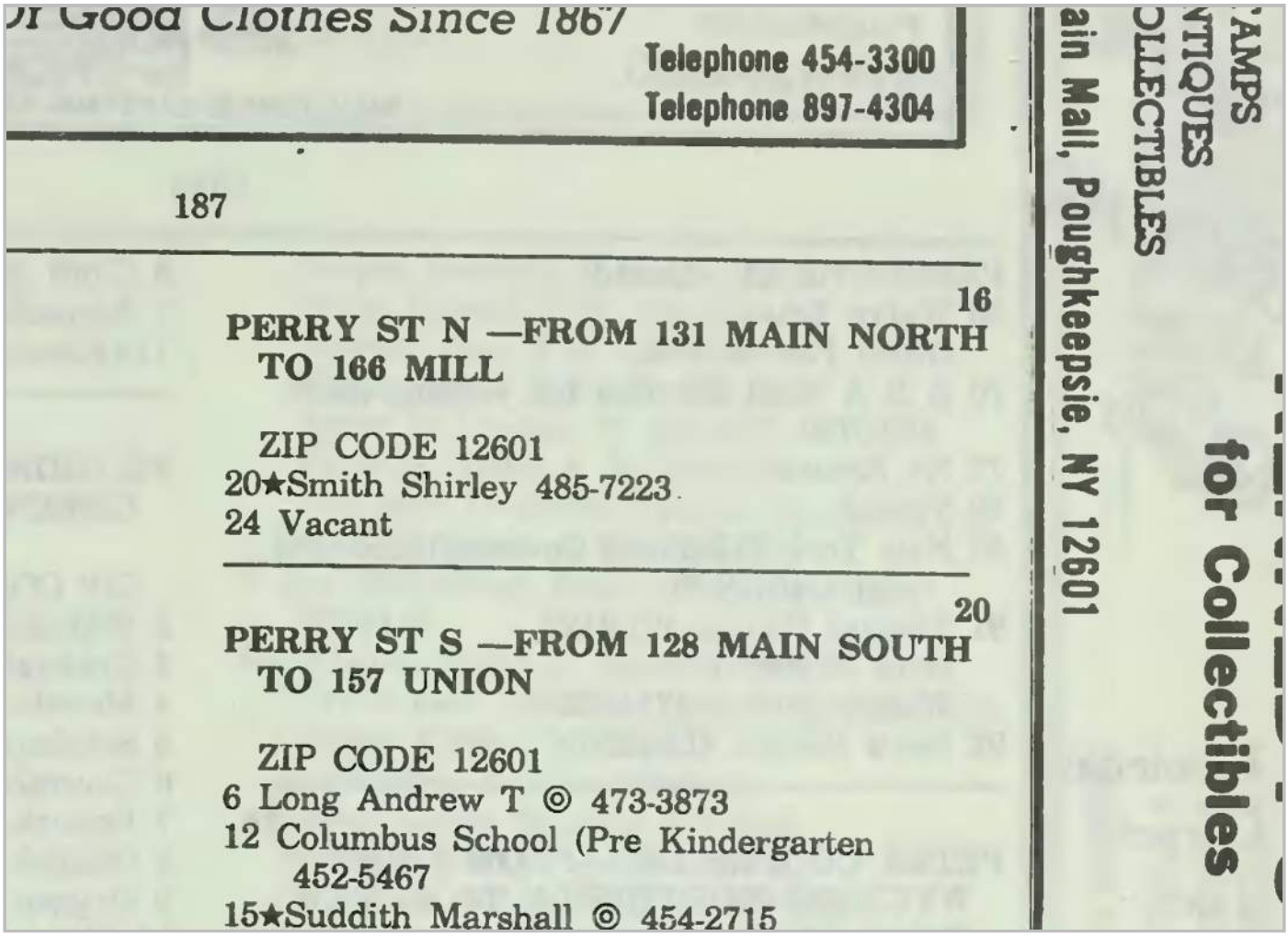
S HAMILTON BEGINS
400 Shermans Warehouse Outlet furn 452-6130
401 Vacant
403 Apartments
1 Studt Res
2 Studt Res
3 Mc Intosh Madge
4 Vacant
5 Edmundson Jackie 454-8133
6 Scott Jacqueline L
404 Sherman's Furn Inc whse
407 Sherman's Furniture Inc 452-0340
411 Congress Restaurant 452-9195

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Come Relax & Enjoy
closed Sunday 11-9 Daily 11-11 Weekends
471-1166
289 mill st. po'keepsie

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Telephone 897-4304

187

16

**PERRY ST N —FROM 131 MAIN NORTH TO 166 MILL**

ZIP CODE 12601
20★Smith Shirley 485-7223
24 Vacant

20

**PERRY ST S —FROM 128 MAIN SOUTH TO 157 UNION**

ZIP CODE 12601
6 Long Andrew T ◎ 473-3873
12 Columbus School (Pre Kindergarten 452-5467
15★Suddith Marshall ◎ 454-2715

ain Mall, Poughkeepsie, NY 12601

for Collectibles

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# MAIN ST 1980

REAL ESTATE
AVERY - Realtor
, N.Y. 12603 Phone 454-2233
REALTOR®



17

MAIN ST —FROM HUDSON RIVER EAST TO JUNCTION PLEASANT VALLEY RD AND MANCHESTER RD (TP)

ZIP CODE 12601
FRONT ST BEGINS
1 Vacant
25 Mike's Tavern 452-9207
Rear Clark Geo W 454-4628
RINALDI BLVD BEGINS
N WATER ST BEGINS
S WATER ST BEGINS
35 Johnson J D Co Inc 452-3200
41 Dutchess County Transportation Info Center 485-4690
Amtrak Intercity Rail Passenger Station 452-5200
Conrail System signal dept 452-1410
Conrail System track dept 452-2750
Depot Snack Bar 473-4541
HARRIS ST BEGINS
DAVIES PL BEGINS
85 Pippy's Tavern & Restaurant 454-9342
91 A A Power Equipment 473-4787
96 Brown Derby Tavern
No Return
S CLOVER ST BEGINS
97 Trocino Liquor Store 454-2322

16

N CLOVER ST BEGINS
101 Vacant
103 Vacant
Burlingame Moving 454-0833
Murphy James © 454-0833
Mac Brien Donald C
105 Butcher Boy gro & meats 471-3190
Zani Delio 452-4732
107 Milanese Barber Shop
109★Vegeto Maria
Volino Francesca Mrs 473-1784
★Acampora Alfonzo
111 N Y State Urban Dev Corp (section 8 hsing prog) 471-2945
Milanese Vincenzo © 452-6235
Adamo Giuseppe 452-1657
113 Milanese Santino 454-3059
Vacant
115 Milanese Restaurant 471-9533
N PERRY ST BEGINS
S PERRY ST BEGINS
135 Admiral Wm F Halsey Senior Village 471-9788
101 Johnston Woodard E 471-5692
102 Crossley Mori H 452-4593
103 Scheltmeyer Emily M Mrs 471-2178
104 Petrone Mary Mrs 471-3615
105 Mc Millen Merrill S 473-5603
106 Trebby Jean Mrs
107 Ortung Wm
108 Johnson Pearl Mrs
109 Hurley Cornelius M 454-1599
201 Frye Betty Mrs 471-0024
202 Dallow Victoria J 473-3924
203 Powell Lucy E Mrs 454-9793
204 Freer Alice Mrs 454-3932
205 Hallock Edith R Mrs 471-4381
206 Connelly Leora L Mrs
207 Nixon Geo M 473-2200

| Target Street | Cross Street | Source |
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| ✓ | - | Polk's City Directory |

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UPHOLSTERY AND PAINTED SURFACE PROTECTION
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Poughkeepsie, N.Y.
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MAIN ST—Contd
208 Harris John W 473-2733
209 Norton Monica Mrs 454-0247
210 Jones Isaac
301★Wicker Vi
302 Sheehan Ralph J 454-4884
303 Bartholf Eliz B Mrs 471-5652
304 Dawson
305 Finn John F 471-4226
306 Baker Evelyn Mrs 473-1279
307 Elias Mary M Mrs 471-4814
308 Schuler Eliz 452-4461
309 Parsons Edith Mrs
310 Worms Stephanie V Mrs 473-1598
401 Collins Allna M Mrs
402 Vanek Angelina M Mrs 452-5496
403 Becker Mary K Mrs 454-8248
404 Albert Elsie H 471-4938
405 La Rue Millicent E Mrs 473-2787
406 Abdoo Rose Mrs
407 Goldthorpe Louise Mrs 471-4876
408 Roberts
409 Biondo Theresa 471-6429
410 Chianese Vincent
501 Zipes Anna Mrs 471-4527
502 Delaney Caroline R Mrs 471-4496
503 Lucas Vincenza Mrs
504 Chiarella Sarah E Mrs 454-4639
505 Porter Florence E Mrs 473-2984
506 Brophy James 473-3515
507 Taylor Earl A 473-4047
508 Bleen Wm T 473-4595
509 Vinberg Blanche L Mrs 471-6459
510 Southward James W 471-4217
601 Sturgis Alice F Mrs 471-4586
602 Rifkin Rebecca Mrs 473-4079
603 Amato Mildred W Mrs 473-3102
604 Levy Mary Mrs 454-8226
605 Chambers Alma M Mrs 454-4523
606 Koch Vera Mrs
607 Traver Hazel B Mrs 452-7748
608 Ackerman Blanche Mrs 471-2306
609 Cropp Louise A Mrs 471-4382
610 Scholefield Charles W 473-4167
Schneider Eliz T Mrs
702 Brown Carolyn M Mrs 473-4841
703 Kingsley Walter W 471-9035
704 Minet Helen V Mrs
705★Royster Harry L 454-1334
706 Dansky R 454-8256
707 Richards Theresa G Mrs 471-6367
708 Schug Katharina T Mrs
709 Seebach Virginia E 473-2386
710 Russell Marion E Mrs 471-8715
801★Hodge Florence Mrs 473-9057
802 Bowman Evelyn L Mrs 454-7837
803 Tully Andrew W 471-0698
804 De Martine Ruth M 471-5356
805 Brown Emily B Mrs
806 Regler Eliz Mrs 471-6561
807★Rusnock Andrew 471-0574
808 Both Gladys S Mrs 471-9532
809 Digilio Eliz Mrs
810 Daniels Frank V 471-4979
901 Reichenbach Eliz P Mrs 473-1551
902★Lawlor Edward J 471-6414
903 Addams Konnii
904 Howlett Anna C Mrs 473-3682
905 Wishnoff
906 Elzweig Ida Mrs 454-6147
907 Lauria Frank
908 Kearney Geraldine R 471-8939
909 Redeker Caroline Mrs 471-0970
910 Tang Thos
1001 Ackert Isabelle A Mrs
1002 Cardiff Marion M Mrs 471-3672
1003 Smith Harold J 454-5928
1004 Huston Viola B Mrs 473-4299
1005 Garson Jean S Mrs 471-3976
1006 Rivera Monserrata S Mrs 471-3892
1007 Murphy Richd J 471-6699
1008 Mendlowitz Estelle 452-7875
1009 Miczko Kath Mrs 473-4831
1010 Newborg Josephine Mrs 473-4869
1101 Kopser Lillian D Mrs
1102 Yamen Mary Mrs 473-4485
1103 Kocon Stella Mrs
1104 Colmenares Celia Mrs 473-3002
1105 Parker Ruth W Mrs 452-5522
1106 Chamberlain Geo 452-7189
1107 Malusev Geo 454-8349
1108 Bozsella Julia M Mrs 452-6863
1109 Berbrich Margt M 471-5839
1110 Hausle Eleanor Mrs 473-4766
1201 Moseley Ida J Mrs
1202 Deluca Julia G Mrs 454-1753
1203 Dryer Ruth F Mrs 471-4960
1204 Lampropoulos Alexandra Mrs 473-3768
1205 Randolph Olive Mrs 473-3643
1206★Post Mary Mrs
1207 Andrews Estelle R Mrs
1208★Boone Sarah Mrs
1209 Landry Marie E Mrs 473-4575
1210 Hall Vivian M Mrs

15

N BRIDGE ST BEGINS
S BRIDGE ST BEGINS
174 Vacant
186 Vacant
VASSAR ST BEGINS
192 Harris Hall Apartments
1 Walton Leondas 485-8366
2 Beatty David
3 Stevens Eliz Mrs
4 Aviles
5 Twyman Jannie
6 Vacant
7 Vacant
8 Vacant
9 Fiqueroa
10 Vacant
11 West Margt E
12 Vacant
13 Vacant
14 Taylor Frances Mrs 452-9624
196 Storage
197 Vacant
200 Vacant
202 True Penecostal House Of Prayer Apartments
1★Cherry Eva
2 Pendehon Irene J Mrs
3 Secchia Helen Mrs 454-2841
4 Monroe Porsia
5 Vacant
Bsmt★Furstrom Bert
204 Dewhist Fred
Nuchie Anthony 471-2680
No Return
Vacant

Scott BUSINESS MACHINE SERVICE INC.
737 MAIN ST. (12603)
DIAL 471-4850

E.E. STIMPSON & SONS, INC.
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Donald W. Stimpson
Rte. 96 Hyde Park
CA9-2015

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MILLWORK
PANELING
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FIREPLACES
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MEDALS - BADGES RIBBONS - ENGRAVING
31 West Main St. Tel: 297-8685 Wappingers Falls, N.Y.

John Hancock Life Insurance
Life - Health - Car - Home
44 Haight Avenue
Poughkeepsie, N.Y. 12603
914-454-8710



MAIN ST—Contd
206 Chili Willie's Grocery & Deli 473-1977
Vacant
Vacant
210 Two Hundred Ten Main Street Apartments
1a Vacant
1g Foley Margt M
1h Vacant
1j Vacant
1k★Bomba Frank
1l Butler Eliz 452-3278
1m Vacant
1n Toth Frank
2a Vacant
2g Griffin Morris E
2h Vacant
2j Head Eliz 471-8052
2k Vacant
3a Roundtree Obie L
3b Vacant (apts 3b-3f)
3g Mc Vea Rae H
3h Pace
3j Whitaker Natalie
3k Vacant
4a Clawson Helen
4b Vacant
4c Potts Margt M
4d Vacant
4e Burns
4f Moak Gerald
4g Vacant
4h Vacant
4j Vacant
4k Mc Govern Charles H
4l Vacant (apts 4l-4n)
216 Vacant
218 Cain H R & Son Inc plmb 454-1380
Vacant
220 Vacant
Apartments
3 Vacant
4 Coward Clarence Jr 471-5931
5 Vacant
8 Johnson John W
9 Vacant
WASHINGTON ST BEGINS

42

LITTLE WASHINGTON ST BEGINS
228 Mid-Hudson Arts & Science Center Inc museum 471-1155
235 G S A Building
State Off-Track Betting Office
ROOMS
101 U S Health Educ & Welfare Social Security Admn 452-3583
102 United States Air Force 454-3985
103 United States Navy 452-1390
104 United States Marine Corps 452-1960
105 United States Army 452-0155
201 Internal Revenue Service 452-3400
202 United States Coast Guard 452-3388
203 United States Dept Labor Wage & Hour Div 452-4204
204 Marcus Martin lwyr 471-9003
301 Vacant
302 United States Probation 452-3000
303 Mutual Of New York ins 454-6580
304 Eberhard Builders & Assoc developers 452-6542
304 Poughkeepsie Financial Plaza 452-6542
305 C B I Sales & Service credit reporting agcy 454-5228
236 County Court House Annex
1st Fl Jury Rooms
ROOMS
201 County Purchasing Dept (addl sp) 485-9734
309 Commissioner Of Jurors 485-9870
311 Storage
4th Fl Dutchess County Purchasing Dept 485-9734
5th Fl Reproduction Dept Div Of Cnty Purchasing Dept reproduction rms
5th Fl Dutchess County Office For The Aging 485-9920
5th Fl Storage
MARKET ST BEGINS
MAIN MALL BEGINS

41

S HAMILTON ST BEGINS
399 Bollinger's Inc paint & wallpaper dlrs 471-6700

51

S HAMILTON BEGINS
400 Quality Furniture Co 452-6130
401 Vacant
403 Apartments
1★Rendom Alvero
2★Leonard Peter
3★Mc Intosh Madge
4 Lewis Jeffrey
5 Barron Sue
6★Scott Jacqueline L
404 Sherman's Furn Inc whse
407 Sherman's Furniture Inc 452-0340
411 Congress Restaurant 452-9195
412 New York Telephone Co business office 473-9951
New York Telephone Co Plant Dept 452-9995
413 Sherman's Furn (Stge)
Vacant
415 Vacant
Vacant
419 Bert's Floor Coverings 471-2080
420 Alamo Ambulance Serv Inc 471-3700
Alamo Wheel Chair Trans Serv Inc 471-1010
Alamo Med & Surgical Sup Co Inc 471-1010
Poughkeepsie Radio Inc 452-4483
422 Vacant
424 Vacant
425 Cross Dick Inc paints & tile 454-5760
Vacant
427 Calabash 452-3020
428 Vacant
432 Shermans Furn Inc Whse show room 452-8514
433 Hanson Tavern 452-9227
435★Reid Sabrina
Chilly Willie's 452-9350
437 Rocket Discount Center elec appl 452-9500
Rocket TV Rentals Inc
439 Rocket Discount Center (Overflow)
441 Webb Clem W 473-4065

# N PERRY ST 1980

McCombs Stationers Inc.
COMMERCIAL AND SOCIAL STATIONERY
Rubber Stamps
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Maps
Hallmark Greeting Cards
Free Daily Delivery
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283 Main Mall
Poughkeepsie
N.Y. 12601

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Dutchess Bank
Member FDIC
Offices: Main Mall, Mill Street, Poughkeepsie Plaza, Apple Valley, Wappingers Falls, North Plaza, Rte. 52, Fishkill

WEOK DIAL 1390
WPDH 101.5 STEREO FM
24 HOURS
914-471-1500
In N.Y.C. 212-792-3300
WEOK 1390 AM
WPDH 101.5 FM
Pendell Rd., Poughkeepsie



**PEMBROKE DR—Contd**
13 Cauchi Angelo ◎ 471-3578
37 Maine Wm H ◎ 473-1492
39 Lanchester Saml J ◎ 452-8205
42 Gallante Andrew T ◎
43 Bender Flais ◎ 452-0517
45★Mavodones Zinas M ◎ 452-7017
WHITEHALL RD BEGINS
49 Effron Michl ◎ 471-3076
50 Vacant
51 Bozyczko Walter F ◎ 471-5097
52 Freeman Richd M ◎ 454-6811
53 Keeley James K phys ◎ 452-1313
54 Sherwood David W ◎ 471-3746
55 Crown Joseph S ◎ 452-0182
58 Hoyt
59 Thomsen Steph J ◎ 452-6358

34
**PENDELL RD (FAIRVIEW)—FROM OPP 36 VIOLET AV EAST TO CREEK RD**

ZIP CODE 12601
Dutchess Community College Library 471-4500
W E O K Broadcasting Corp radio 471-1500
Radio Station W E O K 471-1500
Radio Station W P D H 471-1500
Accent Music Serv Inc (Div W E O K Broadcasting) 452-5110
36 Taylor Anna Mrs ◎ 454-5455
38 No Return
40 Joseph Wm ◎ 454-0418
41 Kern Esther Mrs ◎ 452-9519
42 Guagliardo Rose Mrs ◎ 452-1432
43 Perkins Clarence
50 Kane Harold J ◎ 454-6884
52 Reuter Edmond J ◎ 452-5831
Dutchess Community College 471-4500
54 Pastel Marvin ◎ 473-9221
57 Connolly John J 485-8649
62 Pfetsch Margt Mrs ◎ 471-0147
66 Allen Patricia ◎ 452-4111
68 Kosa Emery ◎
72 Tervenski Louis A ◎ 452-0710
74 Anspach Phillip ◎ 452-5865
77 Huber Warren T 471-5379

18
**PENNOCK RD (TOWN OF POUGHKEEPSIE)—FROM NORTH GRAND AV BEY LINDBERGH PL EAST TO OPP 20 CRESTWOOD BLVD EXTN**

ZIP CODE 12603
1★Minard L 452-7078
6 Juavinett John ◎ 471-4229
8 Cioffi Thos C ◎ 454-3417
10 Mc Kenna Peter J ◎ 454-4724
12 Clifford James V Jr ◎ 471-4294
14 Zirnis Elmar E ◎ 454-2358

16
**PERRY ST N —FROM 131 MAIN NORTH TO 166 MILL**

ZIP CODE 12601
24 Vacant

20
**PERRY ST S —FROM 128 MAIN SOUTH TO 157 UNION**

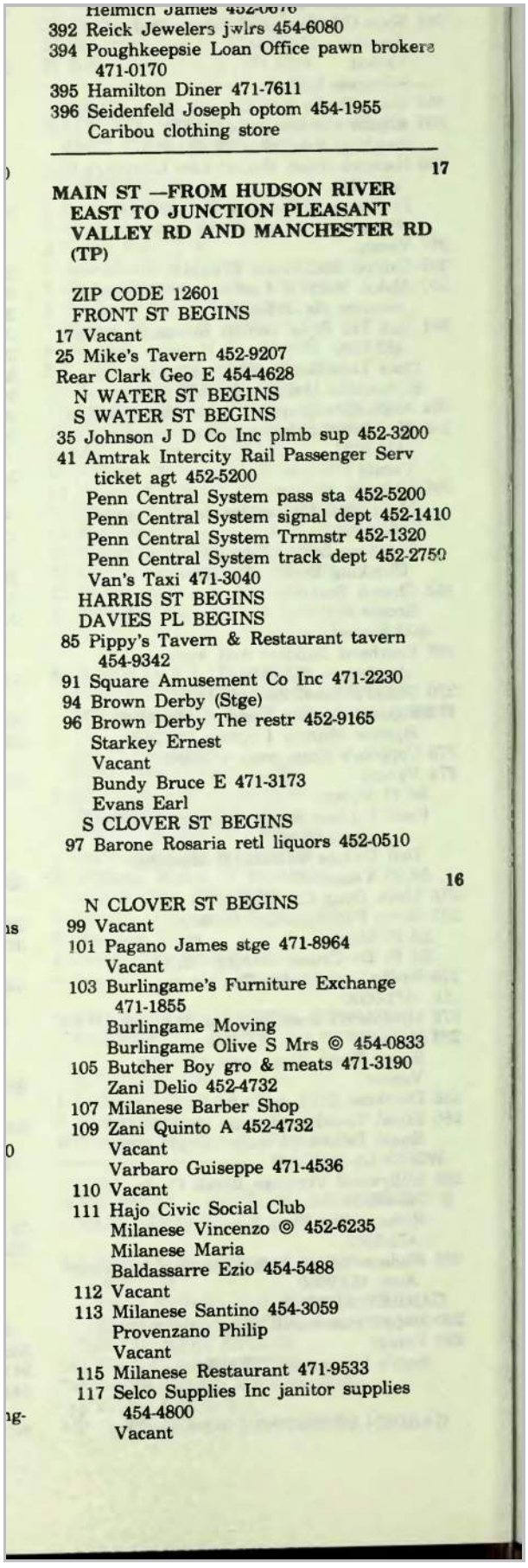
ZIP CODE 12601
6 Baumann John A ◎ 471-1553
10 Vacant
Pressley Hattie 473-1162
12 Columbus School (Pre Kindergarten 452-5526
15 Higgins John J ◎
17 Petro James J ◎ 471-1353
Nagy Joseph A 471-7476
19-23 Vacant
26 Nealy Garland Jr ◎ 471-6985
Gibson Samuel 471-6872
★Jamison Matthew
28 Vacant
No Return
No Return
29 Pelish Edw F ◎ 454-8808
31 Vacant
Vacant
33 Szabo Joseph J ◎ 471-0736
34 Reinhard Leo F ◎ 452-5873
Reinhard Anna M ◎
Wheeler Mildred J Mrs 452-8135
35 Merte Marjorie O Mrs ◎ 454-1775
36 Mac Kenzie Thos ◎ 471-0057
37 Vacant
38★Kristofik Robt
385★Brown Robinson
40 Vacant

61
**PERSHING AV —FROM 579 MAIN NORTH TO 352 MANSION**

ZIP CODE 12601
1 Sonny's & Johnny's Pinochle Social Club
4 Mc Clinton Geo W Rev 452-1798
Roundtree Orlando
6 Soul Saving Station House Of Prayer
9 Salvation Army Community Center
20 National Beer Distributors Inc 452-5090
18 Lloyd Lumber (Br) 473-3000
21 Bradford Raymond ◎ 454-3452
MAPLE ST BEGINS
26½ Vaden Grace L Mrs ◎ 471-6652
27 Coleman Genevieve A Mrs ◎ 452-8292
28 Vacant
35 Anderson Albert ◎ 452-7452
39 Frye Eleanor Mrs ◎ 452-3933
40 Schreck H A Inc serv elec motors 454-3560
41 Frye John C ◎ 473-1755
50 Vacant
51 Pershing Avenue Playground
53-61 Saint Mark A M E Zion Church 452-9835
54½ Moore Priscilla S ◎ 452-8758
56 Thomas Edna J Mrs 473-2712
Waller Edw
Taylor Robt C
Green Fleeter Mrs
Barnes Susie Mrs
70 Dutchess Automotive Machine Shop 473-1136
A R A Food Services Inc vending mach 452-5790
74 A R A Food Servs stge

| Target Street | Cross Street | Source |
|---|---|---|
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# MAIN ST 1975



Helmich James 452-0676
392 Reick Jewelers jwlrs 454-6080
394 Poughkeepsie Loan Office pawn brokers 471-0170
395 Hamilton Diner 471-7611
396 Seidenfeld Joseph optom 454-1955
Caribou clothing store

17

**MAIN ST —FROM HUDSON RIVER EAST TO JUNCTION PLEASANT VALLEY RD AND MANCHESTER RD (TP)**

ZIP CODE 12601
FRONT ST BEGINS
17 Vacant
25 Mike's Tavern 452-9207
Rear Clark Geo E 454-4628
N WATER ST BEGINS
S WATER ST BEGINS
35 Johnson J D Co Inc plmb sup 452-3200
41 Amtrak Intercity Rail Passenger Serv ticket agt 452-5200
Penn Central System pass sta 452-5200
Penn Central System signal dept 452-1410
Penn Central System Trnmstr 452-1320
Penn Central System track dept 452-2750
Van's Taxi 471-3040
HARRIS ST BEGINS
DAVIES PL BEGINS
85 Pippy's Tavern & Restaurant tavern 454-9342
91 Square Amusement Co Inc 471-2230
94 Brown Derby (Stge)
96 Brown Derby The restr 452-9165
Starkey Ernest
Vacant
Bundy Bruce E 471-3173
Evans Earl
S CLOVER ST BEGINS
97 Barone Rosaria retl liquors 452-0510

16

N CLOVER ST BEGINS
99 Vacant
101 Pagano James stge 471-8964
Vacant
103 Burlingame's Furniture Exchange 471-1855
Burlingame Moving
Burlingame Olive S Mrs © 454-0833
105 Butcher Boy gro & meats 471-3190
Zani Delio 452-4732
107 Milanese Barber Shop
109 Zani Quinto A 452-4732
Vacant
Varbaro Guiseppe 471-4536
110 Vacant
111 Hajo Civic Social Club
Milanese Vincenzo © 452-6235
Milanese Maria
Baldassarre Ezio 454-5488
112 Vacant
113 Milanese Santino 454-3059
Provenzano Philip
Vacant
115 Milanese Restaurant 471-9533
117 Selco Supplies Inc janitor supplies 454-4800
Vacant

| Target Street | Cross Street | Source |
|---|---|---|
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# MAIN ST 1975



MAIN ST—Contd
119 Vacant
N PERRY ST BEGINS
S PERRY ST BEGINS
144 Vacant

15

N BRIDGE ST BEGINS
S BRIDGE ST BEGINS
173 Vacant
174 Vacant
175 Vacant
176 Vacant
179 Capitol Bakery Inc 454-2260
Vacant
186★Douglas Bonnie
Williams Magaline Mrs
Johnson Evelyn M
187 Vacant
187½ Vacant
189 Vacant
VASSAR ST BEGINS
192 Harris Hall Apartments
1 Twyman Ray E
2★Henderson G
3 Stevens Eliz Mrs
4 Vacant
5 Bryant A
6★Flowers J C
7 Morrison Pat
8 Kaiser E V 454-1117
9 Vacant
10 Powell Lucille 454-4421
11 West M
13 Twyman Jannie
14★Taylor Frances Mrs
193 Vacant
196 Storage
Vacant
197 Vacant
198 Davis Mattress (Stge)
199 Vacant
200 National Cafe tavern 452-9303
Maxwell James
Johnson Raymond
201 Two Spot Barber Shop
Nelson Amelia Mrs 454-8393
Mc Henzie Herbert
Bowman Eug
202 True Penecostal House Of Prayer
1 Sheeger James
2★Baker Edith
3 Secchia Helen Mrs
4★Nielson Martin
5★Draiss Kevin
203 Vacant (203-204)
Bsmt Forstrom Bert
204 Vacant
205 Holy Temple Apostolic Faith Church Of God
Apartments
1 Williams Magnolia Mrs
Moody Katie
White Albert
206 Whiteley Clifton L 471-2606
Florek Joseph antiques 452-[illegible]
209 Harmon Printing House 471-3410
210 Two Hundred Ter Main Street
Apartments 452-3082
Burns Loretta Mrs
1e Price
1b Hess John
10 Vacant
1e Vacant
★Martin Stanley
1g Frear Clara F 471-9685
1h Mullens
1j Ronk Dorothy
1k Florek Joseph
1l Butler Eliz 454-5245
1m Means Minnie
1n★Toth Frank
A★Hery Joseph
B Lo Guidice Josephine K Mrs
D Cunningham Richd
2e★Gillens Arth
2f★Fitz Agnes
G★Sheridan Geo
H Vacant
J★Burns C
2k★Storms Richd 454-8359
L Rider Oliver J 471-6134
M Andrus Hilda Mrs 452-1505
N★Morrison Clara
★Storms David
3b★Smith Gracie
3d Scutt Lee
3e★Hery Diana
Sehnal John
G Vacant
H★Cross Violet
J Tarantous Gladys Mrs 452-5712
3k Vacant
L★Burns William
M Vacant
N Vacant
A★Fortous J
Decker
C★Johnson John
D★Dobles Lillian
3 Vacant
4f★Moak Gerald
G Laufersweiler Geo 452-7532
4h★Bilyous Edw
J Polhamus Eliz T 452-6551
K Mc Govern Charles
L Griebsch Kath S
M Moss Thelma Mrs
N★La Boy D
216 Salvation Army Corps Com Center ch 471-1210
218 Cain H R & Son Inc plmb 454-1380
Cain Sewer Cleaning Service 454-3120
Vacant
220 Maroney Kathleen Mrs
Payne Martha Mrs
Joe's Barbecue House 452-8890
Apartments
3 Bethel Wm
4★Place Doreen
6★Vetty Robt Mrs
10 Vacant
11 Smith Gurlie Lee Mrs 454-3159
12★Dozier Ruby
WASHINGTON ST BEGINS

42

LITTLE WASHINGTON ST BEGINS
228 Vacant
236 County Court House Annex
1st Fl Jury Rooms
206 County Purchasing Dept 485-9734
309 Commissioner Of Jurors 485-9870
Rooms
311 Storage
4th Fl Dutchess County Purchasing Dept 485-9734
5th Fl Reproduction Dept Div Of Cnty Purchasing Dept reproduction rms
5th Fl Dutchess County Office For The Aging 485-9920
5th Fl Vacant
MARKET ST BEGINS
MAIN MALL BEGINS

41

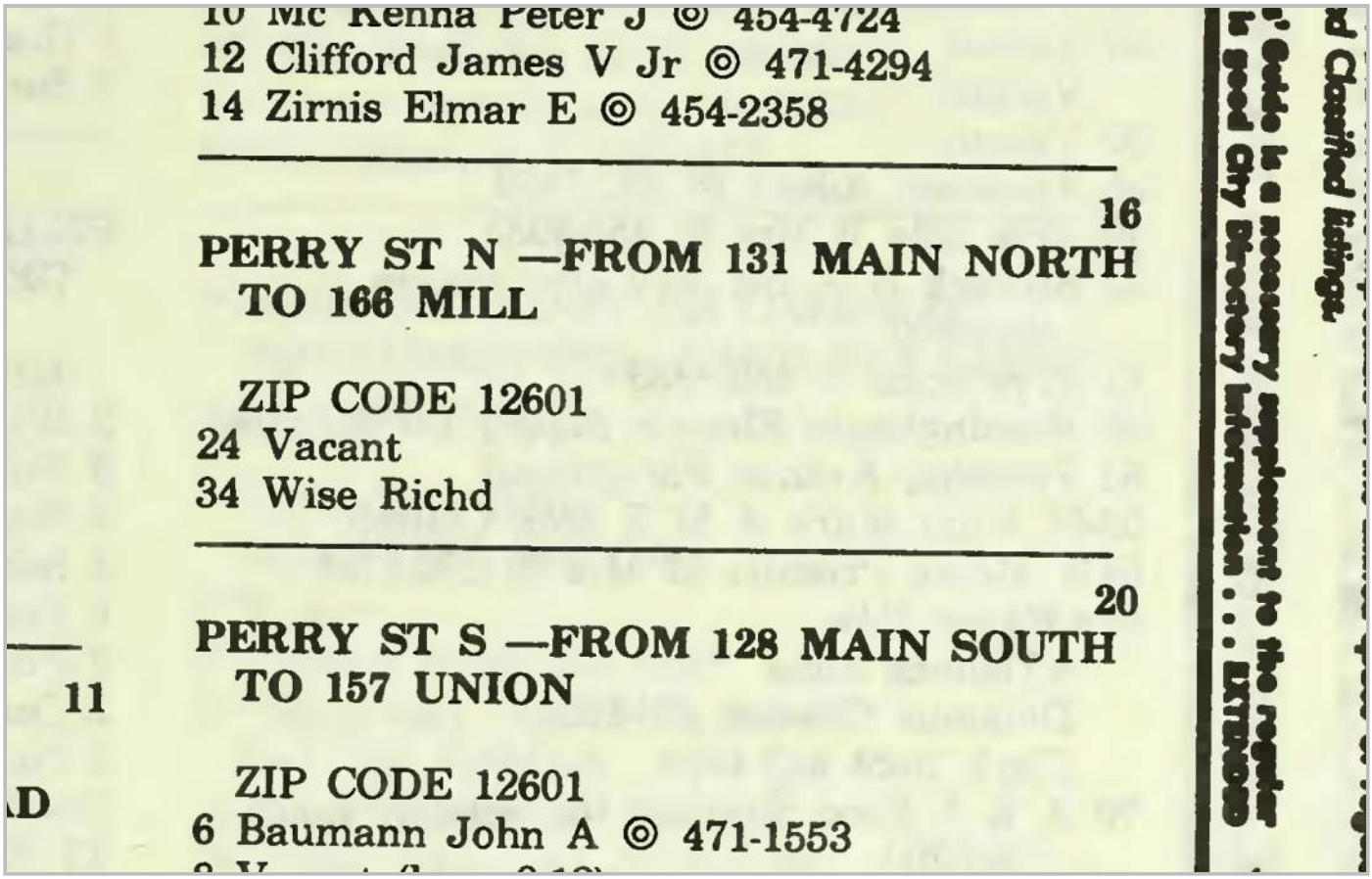
S HAMILTON ST BEGINS

YOUR SHARES IN AMERICA
UNITED STATES SAVINGS BONDS
Buy them where you work or bank

STORTINI AND ROBINSON
PLUMBING AND HEATING CO., Inc.
12 N. GRAND AVE.
Telephone 471-6630
POUGHKEEPSIE, NEW YORK 12603

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|---|---|---|
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## N PERRY ST 1975



10 Mc Kenna Peter J ◎ 454-4724
12 Clifford James V Jr ◎ 471-4294
14 Zirnis Elmar E ◎ 454-2358

16

**PERRY ST N —FROM 131 MAIN NORTH TO 166 MILL**

ZIP CODE 12601
24 Vacant
34 Wise Richd

20

**PERRY ST S —FROM 128 MAIN SOUTH TO 157 UNION**

ZIP CODE 12601
6 Baumann John A ◎ 471-1553

| Target Street | Cross Street | Source |
|---|---|---|
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# MAIN ST 1970

R•E• Ahmed VOLKSWAGEN LIMITED
RTE. 55, LaGrangeville, N.Y. 12540 454-4100



27

**MAGNOLIA LA (TOWN OF POUGHKEEPSIE)—FROM 3 W DOGWOOD DR EAST TO A DEAD END**

ZIP CODE 12601
1 Williamson Homer J ◎ 462-4625
3 Donofrio Francis X ◎ 462-5564
E DOGWOOD DR BEGINS
4 Hering Ronald ◎ 462-5536
6 Williams Walter Jr ◎ 462-4392
ROSEWOOD DR ENDS
5 Letterii Dominic V GL4-9607
8 Cohen Melvin

12

**MAHAR DR (FAIRVIEW)—FROM 34 BAHRET AV SOUTH TO INWOOD AV**

ZIP CODE 12601
20 Manning Elizabeth F Mrs nurse ◎ GL4-2144

17

**MAIN ST —FROM HUDSON RIVER EAST TO JUNCTION PLEASANT VALLEY RD AND MANCHESTER RD (A)**

ZIP CODE 12601
1 Down By The Riverside restr
FRONT ST BEGINS
17 Hobart Dayton Sales & Service scales GL2-3510
20 Fish Net Restaurant The GL2-9460
25 Mike's Tavern GL2-9207
Clark Geo W ◎ GL4-4628
N WATER ST BEGINS
S WATER ST BEGINS
35 Johnson J D Co Inc plmb sup GL2-3200
41 Penn Central System pass sta GL2-5200
Penn Central System signal dept GL2-1410
Penn Central System Trnmstr GL2-1320
Penn Central System communications
Penn Central System Bridges And Building Dept
Penn Central System bge rm GL2-0680
Penn Central System track dept GL2-2750
HARRIS ST BEGINS
DAVIES PL BEGINS
85 Pippy's tavern 454-9342
86 Vacant
Vacant
88 Vacant
Vacant
Vacant
Vacant
90 Vacant
91 Square Amusement Co Inc GR1-2230
92 Vacant
94 Brown Derby (Stge)
96 Brown Derby The restr GL2-9165
Boland Wm J
Boughton Joseph
Evans Earl
Raymo James E
S CLOVER ST BEGINS
97 Barone Rosaria retl liquors GL2-0510

16

N CLOVER ST BEGINS
99 Paul's Cafe
Vassar Decorators Inc pntrs 471-5065
101 Ann's News Room
Burnett Gary C
Ruger Alice Mrs
4th Fl Hogan Helene
103 Burlingame's Furniture Exchange 471-1855
Burlingame Moving
Burlingame Chester M ◎ 454-0833
Harms Kate
105 Butcher Boy gro & meats 471-3190
Zani Delio ◎ 452-4732
107 Milanese Barber Shop
109 Zani Quinto 452-1327
Accursio Gurlino
2d Fl Vacant
110 S & J Paints retail paints 471-9512
Cycle Center Of Poughkeepsie Inc motor cycles 454-5860
Vacant
110a Vacant
111 Vacant
Milanese Vincenzo ◎ 452-6235
Vacant
112 Vacant
Vacant
Vacant
113 Vacant
Milanese Santino GL4-3059
114 Westchester-Hudson Coat Apron Towel & Linen Sup Co GL2-4545
Pender Josephine Mrs
Dixon Dorothy
115 Club 115 454-9197
Vacant
117 Selco Supplies Inc janitor supplies 454-4800
Vacant
3d Fl Vacant
118 Vacant
119 Vacant
122 Vacant
Diesing & Martin constr flashers GL2-0930
Williams Charles 471-2792
Duncan Jerry L
Vacant
123 Brew Anna L
Slater Wm
124 Vacant
Vacant
125 Vacant
Bennett Robt 452-1349
Mc Intosh Lucius
N PERRY ST BEGINS
127 Opportunities Industrialization Center 454-6420
128 Lombardi Bronx Fruit Market GR1-3225
S PERRY ST BEGINS
130 Krieger Pharmacy 452-3240
132 Vacant

Dutchess Refrigeration
FRIGIDAIRE APPLIANCES
COMMERCIAL EQUIPMENT
ICE CUBE MAKERS
FREEZERS
EVANS CASES
AIR CONDITIONING
REACH-IN CABINETS
WALK-IN CABINETS
Phone 454-4600
826 Main St. Poughkeepsie N.Y. 12603

Intra-State Investigation Service Inc.
Private Investigators
• Criminal • Civil
• General • Insurance
Old Court House Bldg.
King Street
Marlboro, N.Y. 12542
Telephone 236-7292

EDISON MOTOR INN
Featuring Arnie's Steak House and Cocktail Lounge
122 Units — All Soundproof and Fireproof
Game Room — Swimming Pool
Rt. 55, Manchester Rd., Poughkeepsie, N.Y. 12603 Tel. 454-3080

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# MAIN ST 1970

MITCHELL FURNITURE CO.
59th Anniversary
FINE FURNITURE SINCE 1911
387-391 Main St., Poughkeepsie, N.Y. 12601
Phone 454-5500

WINDSOR BUILDING SUPPLIES CO., Inc.
• LUMBER • MASON SUPPLIES • HARDWARE
Rt. 9, North Rd., Poughkeepsie, N.Y. 12601 Tel. 452-5300



MAIN ST—Contd
Vacant
Vacant
133 Vacant
Vacant
Vacant
3d Fl Vacant
134 Vacant
Vacant
135 Vacant
Vacant
Vacant
136 Vacant
Vacant
137 Vacant
Vacant
Vacant
Vacant
Vacant
139 Vacant
Vacant
144 Dutchess Glass Co Inc 452-3900
149 Vacant
150 Vacant
Vacant
151½ On Hong Wong lndry 471-2948
153 Vacant
On Hong Wong ©
155 Vacant
115 Vacant
155 Vacant
157 Vacant
Vacant
Vacant
159 Tiger's Tank tavern 454-9385
Gent Edw ©
Vacant
161 Vacant
164 Vacant

N BRIDGE ST BEGINS
S BRIDGE ST BEGINS
173 Johnny's Meats & Groceries 452-9870
Thomas Wilbur
Williams Estelle Mrs 452-6061
174 Reliable Furniture Store 452-8600
175 Johnny's Soul Food restr
176 Vacant
Bratcher Gonzi Mrs
Grimes David
Karp Nellie
Potter B
178 Standard Distributors Inc (Recentr)
Johnson Hurtis
179 Capitol Bakery Inc GL4-2260
Vacant
180 Standard Distributors Inc dry goods whol GL2-5050
Vacant
Scott Glenn J
181 Monte Carlo Restaurant GL4-9392
Kirk Kathleen Mrs furn rooms
182 Merritt Jesse D 454-3359
Royal Nancy
Blake Louis
184 Standard Distributors (Stge)
Vacant
Vacant
185 Kaiser Herbert Mfg Co Inc mfrs blouses & dresses GL2-2170
186 Vacant
Lee Harold
Vacant
Moore Patricia
187 Holy Temple Church Kitchen sandwiches & dinners
Munn Anis Mrs
Vacant
Vacant
Rear Healey Nora
188 Vacant
Bland Ethel I 471-1642
188a Newport Barber Shop
189 Vacant
Vacant
Vacant
191 Jaeger Printing Co Inc GR1-0890
VASSAR ST BEGINS
192 Harris Hall Apartments
1 Gordon J L
2 Vacant
3 Canter Louis ©
4 Salisbury Hilda Mrs 454-5596
5 Pearson John
6 Ek Mary 452-3956
7 Garcia Pedro 454-7561
8 Kaiser Ethel V GL4-1117
9 Wright
10 Baynard
11 Vacant
12 Flavin Wm E GR1-5049
14 Pilczuk Aniela Mrs
193 Vassar Brothers Home For Aged Men GL4-7410
196 Davis Mattress & Furniture Co 452-4530
Storage
Hogan Donald

15

197 Vacant
Vacant
Vacant
Vacant
Vacant
198 Vacant
Vacant
199 Vacant
200 Dutchess County Legal Services Bureau Inc 452-7911
Squire Margt E GL4-6732
Newberry Orelia Mrs 454-5219
1stfl Two Spot Barber Shop
201 Muse Linda
Merritt Vaniese 452-5836
Johnson Rose Mrs
202 Vacant
Apartments
1 Crouch Margt A GL2-4447
2 Bowe Thos
3 Secchia Helen Mrs 454-2841
4 Vacant
5 Dalrymple Florence
STREET CONTINUED
203 Levine Ida Mrs used clo © GL1-3593
Hagen Wm
Towe Frank
Morrison Patricia 471-5362

REUTER REALTY CORP.
REALTORS
Real Estate and Appraisals
PHONE 454-5060
6 Cannon St. Poughkeepsie N.Y. 12601

Vassar Brothers Hospital Association
Reade Place (12601)
Home No. 1
Tel. 431-2374

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# MAIN ST 1970


**CRISPI & MAY Inc.**
ALL FORMS OF INSURANCE
211 Church Building
11 Market St.
Poughkeepsie 12601
Tel. 454-5050




**MAIN ST—Contd**
Blackburn Alza Mrs
203½ Poughkeepsie Hardware GL2-7270
204 Vacant
Vacant
Vacant
Stone Chester
Yerger Raye L Mrs
Vacant
205 Holy Temple Apostolic Faith Church Of God
Apartments
1 Travis Wm GL4-4711
2 Williams Magnolia Mrs 471-8379
3 Jackson Delores Mrs
4 Tate Alvin 471-6071
5 Moody Katie
6 Mc Call Joseph F
**STREET CONTINUED**
206 Florek Joseph new & used genl mdse
Apartments
1 Whitney Sterling
2 Vacant
3 Day Robt L
4 Whitely Clifton L 454-2606
5 Whitney Clifford
6 White Charles
**STREET CONTINUED**
209 Harmon Printing House GR1-3410
210 Two Hundred Ten Main Street Apartments GL2-3092
Delevan Mary A Mrs
1a Price Frank
1b Vacant
1-d Serino Sophie Mrs
1e No Return
1f Dalia John GL2-8973
1g Frear
1-h Mullen Ruth C Mrs GL4-9424
1j No Return
1-k Florek Joseph 452-1199
1l Mc Kennan Lillian Mrs
1m Riedinger Howard W
1-n Donohue Clara Y Mrs GL4-7373
2-a Rhodes Gladys M
2-b Ashline Margt Mrs 471-5822
2-d Van Wyck Ida V GL4-4388
2-e Rhodes Julia Mrs GL4-2398
2-f Vacant
2-g Cotter Ethel A GL4-7875
2-h Knox Ruth GL4-5876
2-j Hawk Earl S 454-4687
2d Nador Joseph
2-l Rider Oliver J 471-6134
2-m Andrus Hilda Mrs GL2-1505
2-n Bartula Joseph
3-a Vacant
3b Valentine Ethel 454-6324
3-d Robinson Helen
3e Brown Helen Mrs
3-f Vacant
3-g Mc Caffrey Eug A GL2-4928
3-h Caven Hermene E Mrs GL2-2662
3-j Tarantous Gladys Mrs GL2-5712
3k O'Neill James F 454-0912
3-l Stepski Frank
3-m Jenks
3-n Daley
4-a Belons Harry 471-4285
4-b Yerger
4-c Krumrie
4-d Dobler
4-e Stokes
4f Gildersleeve Lena Mrs 471-4518
4-g Laufersweiler Geo GL2-7532
4h Ryer Gertrude Mrs 454-9061
4-j Polhamus Eliz T GL2-6551
4-k Lo Guidice Josephine K Mrs GL4-5245
4-l Griebsch Kath S
4-m Moss Thelma Mrs
4-n Nador Josephine G GL4-8359
**STREET CONTINUED**
211 Vacant
Vacant
Vacant
Vacant
Vacant
213 Vacant
Vacant
Vacant
Vacant
Vacant
215 Vacant
Vacant
Vacant
Vacant
Vacant
Vacant
215½ Vacant
Vacant
216 Salvation Army Citadel ch 471-1210
217 Vacant
Vacant
218 Cain H R & Son Inc plmb 454-1380
Schollian Geo 471-0826
219 National Window Cleaning Of Dutchess Inc 471-2855
Apartments
1 Vacant
2 Lewis Helen Mrs
3 Henry Geraldine
4 Harrison Nicholas
5 Taylor Emma C Mrs
6 Borges Anna
**STREET CONTINUED**
220 Joe's Barbecue House 452-8890
Apartments
3 Martin Mary A Mrs GL1-5945
4 Munson Gertrude Mrs GL2-4514
5 Vacant
6 Ryan Florence D Mrs
7 Rivenburg Alice M Mrs
8 Vacant
9 Lake Howard
10 Day John H
11 Smith Gurlie Lee Mrs 454-3159
12 Bethel Wm H
**STREET CONTINUED**
221 Twentieth Century Tavern GL2-9108
Rear Garage (Stge)
223 State Wine & Liquor Shop GL2-3080
Larry's Fish & Chips restr 454-5555
WASHINGTON ST BEGINS
224 Neighborhood Youth Corps 454-3960


**H B Office Machines**
THE PROFESSIONALS
Authorized Dealer For:
- Hermes
- Burroughs
- Todd
- Olivetti-Underwood
- Commodore
- Stenograph

Sales
Service
Rentals
**H B Machines Inc.**
454-3511
551 Main St.
Poughkeepsie
N.Y. 12601

"WHERE QUALITY and SERVICE COUNTS"
**R. J. BROOKER COMPANY INC.**
Business Machines — Office Furniture — Commercial Stationery
• ROYAL TYPEWRITER DISTRIBUTOR • GESTETNER DUPLICATORS
105 DUTCHESS TURNPIKE (12603)
PHONE 452-1610


**CAFFE'AURORA**
ITALIAN PASTRY SHOP
145 Mill St.
454-1900
Poughkeepsie, N.Y. 12601

# N PERRY ST 1970

HESS

HESS OIL & CHEMICAL DIVISION
AMERADA HESS CORPORATION
Heating Oils and Burner Service
Phone 454-4000 - Toll Call Area Enterprise 2961
Prospect St., Poughkeepsie, N.Y. 12601



18

**PENNOCK RD (ARLINGTON)—FROM NORTH GRAND BLVD AV BEY LINDBERGH PL NORTH TO CRESTWOOD BLVD**

ZIP CODE 12603
1 Germano Saml A ◎ 454-6635
6 Russo Ciro ◎ 454-1030
8 Cioffi Thos C ◎ 454-1848
10 Mc Kenna Peter J ◎ 454-4724
12 Clifford James V Jr 471-4294
14 Zirnis Elmar E ◎ 454-2358

16

**PERRY ST N —FROM 131 MAIN NORTH TO 166 MILL**

ZIP CODE 12601
3 Vacant
3d Fl Vacant
6 Skinner Charles
Johnson Dorothy L Mrs 452-7898
8 Vacant
9 Office Of Economic Opportunity 452-5520
Manpower county agcy for emp 471-6080
2d Fl Vacant
3d Fl Vacant
10 Duke Alfonso ◎ GL4-6353
16 Vacant
Vacant
Vacant
17 Holy Light Pentecostal Church
20 Wise Richd H
Frye B Mrs
Eubanks John A
21 Borden Ice Cream Co 454-2900
22 Robert Hoke
Vacant
24 Singleton James W ◎ GL4-8879
Patterson James
26 Ryder Rendering Inc (Stge)
28 Johnson Julius C
Winphrie John
Vacant
Johnson Richd L
Vacant
30 Hankenson Harvey ◎ GR1-5369
32 Thompson Thelma Mrs
Vacant
34 Lyons Prophet ◎ 471-6766
35 Star Light Custom Tailor
Hinton Horace
Henderson Leona Mrs
Vacant
Cheek Hazel
Vacant
36 Vacant
Vacant
Vacant
37 Williams Eliz Mrs
39 Vacant
Vacant
41 Lynch Edna M
43 Vacant

20

**PERRY ST S —FROM 128 MAIN SOUTH TO 157 UNION**

ZIP CODE 12601
1 Weber Louis E ◎ GL2-3240
Vacant
2 Vacant
4 Newman's Auto Body Works Inc GL4-8450
6 Bauman Norman C GR1-1553
8 Kessler Robt L ◎ GL2-3465
10 Vacant
Vacant
12 Columbus Christopher School GL4-7610
Parent-Teachers Assn
15 Higgins John J GL4-1834
Pignone Anthony
17 Petro Julia Mrs ◎ GR1-1353
Nagy Joseph A 471-7476
19 Morton Frank J
Cherry James R 471-1256
21 Ogden James
Grissett Sammie L 454-2965
25 Keith Margt Mrs 454-4779
Jackson Saml A
Faircloth James D
26 Nealy Garland Jr
Derello Leonard E 452-8204
Keith Addie Mrs
27 Hughes Clyde L 471-9459
28 Pittman James L
Pittman Lovella
Bunn Fannie 454-4158
29 Pelish Edw F ◎ GL4-8808
30 Vacant
Vacant
31 Szabo Alex ◎
32 Alston James 471-9074
Vacant
33 Szabo Joseph J ◎ GR1-0736
Magic Judith
Vacant
34 Reinhard Leo F ◎ GL2-5873
Wheeler Mildred Mrs GL2-8135
35 Merte Geo H ◎ GL4-1775
36 Mac Kenzie Thos ◎ GR1-0057
37 Lawrence Leonard
Lawrence Thos 471-5584
38 Blauvett Paul 471-4651
39 Tuttle Edw ◎ GL2-6156
40 Vacant
Meyer Julius 452-8951
Welch John
41 Vacant
43 Vacant

61

**PERSHING AV —FROM 579 MAIN NORTH TO 352 MANSION**

ZIP CODE 12601
1 Bob's Barber Shop
2 Braddock Arth A 452-5755
3 Clark Inez Mrs
Bradford Stanley
Strauthers Robt 454-6057
4 Vacant
Page Danl N

Charles D. Rosenberg
GENERAL INSURANCE
"When A Fellow Needs A Friend"
INSURANCE
For Every Need
YOUR Independent Insurance AGENT SERVES YOU FIRST
Phone 454-3370
4 Cannon St. (12601)

Rent ECONO-CAR,
CORNER CANNON AND ACADEMY STS. (12601)
drive around on pennies
TEL. 471-6770

RIEDINGER'S
ARCADE FLORIST
Say It With Flowers — And Say It With Ours
255 MAIN ST. 12601
TEL. 471-0410
Florafax
FTD

| Target Street | Cross Street | Source |
|---|---|---|
| ✓ | - | Polk's City Directory |

# MAIN ST 1963

18 Delaney Chas V jr ◎ GL4-5143
19 Barnes Lucile V Mrs ◎ GR1-7563
20 Matuk Edmund J ◎ GR1-3176
22 Yerick Edw J ◎ GL4-8736
27 McGann Eleanor K Mrs ◎ GR1-2123

12

**MAHAR DR (Fairview)—From 34 Bahret av south to Inwood av**

20 Manning Edwin D ◎
Manning Eliz Mrs nurse GL4-2144

17

**MAIN—From Hudson River east to Junction Pleasant Valley rd and Manchester rd (Arl)**

---- Sinclair Refining Co bulk plant ◎ GL2-4330
---- John Car Corp tires batteries and oil burners GL2-6635
1 Hudson River Day Line
Riverside Drive Inn GL2-9329
**Front begins**
20 Fish Net Restr The GL2-4960
Christiana Jerry P
25 Mike's Tavern GL2-9207
Clark Geo W ◎ GL4-4628
**North Water begins**

al Telephone Exchange
Thelma B. Rhea
ervice Tailored To Your Need
CALL US
GL 2-4722

KING'S COURT
A MOTOR HOTEL IN TOWN
POUGHKEEPSIE, N.Y. ON ROUTES 44 & 55

OLLIVETT'S
FLOOR
COVERING
—
LINOLEUM
ASPHALT
VINYL
AND
RUBBER
TILE
—
FLOOR
SANDERS
AND
POLISHERS
—
SALES &
RENTALS
—
838
MAIN ST.
—
TELEPHONE
471-6155
—
POUGHKEEPSIE

Schoonmaker Chapel
Globe 4-1800



MAIN--Contd

**South Water begins**
35 Johnson J D Co Inc plmb supplies ◎ GL2-3200
41 NY Central System passenger sta GL2-5200
NY Central System Communications Dept
Signal Dept GL2-1410
Baggage Room GL2-0680
Bridges and Building Dept
REA Express GR1-2800
VanBenschoten Motor Cab Co Inc GR1-3040
NY Central Lunch Room
Van's Cab Co Inc GR1-3040
Trainmaster's Office GL2-1320
Maintenance of Way-Track Dept GL2-2750
52 Independent Cabs GL4-6190
54 Poughkeepsie Plumbing Supply Co ◎ GL4-7100

**Harris begins**
**Davies pl begins**
85 Gannon's Tavern GL4-9308
Lindell Minnie Mrs GL4-0758
86 Blue Walter
Freeman Nathan GL4-7965
Newberry Orelia Mrs GL4-5219
88 Semour Marion
Thompson Orzo
Dixon Alex
Galimore Naomi Mrs
90 Decher Kenneth
Thomas Wilbur
Branch Jessie M Mrs GL4-6382
Edwards Carrie Mrs
90½ Vacant
91 Square Amusement Co Inc ◎ GR1-2230
92 Church of God Thrift Stores used clo
94 Memorial Cleaners (stge)
96 Brown Derby The restr & bar GL2-9165
Farley Mary
Baker Frances T Mrs
Evans Earl

**S Clover begins**
97 Barone Rosaria Mrs liquors GL2-0510

**North Clover begins**

16

98 Angelo Albert C GR1-6369
Humphrey Alida M Mrs
Trabasso Barnard
98-104 Millman's furn & int dec GR1-2060
99 Ann's Coffee Shop ◎ GL2-9205
Clover Tavern GL4-9386
100 Vacant
101 Schueler Building Specialties Co GL2-3170
Brammer Margt E Mrs GL4-6568
Simmons Madeline J Mrs
103 Burlingame's Furn Exchange GR1-1855
Burlingame Moving
Burlingame Chester M ◎ GL4-0833
Dorland Maie C Mrs
105 Butcher Boy gro & meats GR1-3190
Zani Delio ◎ GL2-4732
106 Empire Grill GL4-6310
Murphy Edw F GL2-9428
Darling Geo A GL2-1354
Ciferri Roderick J
107 Mancini Frank knives and saws sharpened ◎
108 WSC Radio Shop repr GL4-3110
Clendennen Winfield S ◎
109 DiPleco Tailor ◎ GL2-7730
Zani Lazzero GL2-0439
Kepuraitis Anthony J GL4-3414
110 Williams Chas
Mosher Mary Mrs
Parker Frank
Lanebro Mfg Co hdw GL4-2345
Ideal Shoe Repair Shop
Volino Bros A & M aluminum siding GR1-2043
111 Milianese Barber Shop
Baldassarre Ezo
Milanese Vincenzo ◎ GL2-6235
112 Edwards Russell
Pender Dorothy M GL4-2973
Stokes Raymond C
113 Scurco Antoninette Mrs GL2-4552
Balzano Frank S
Mancini Frank ◎
114 Westchester-Hudson Coat Apron Towel & Linen Supply Co Inc ◎ GL2-4545
Pender Mary Mrs
Stokes Wm
115 Dutchess Tavern GL2-9154
117 Selco Supplies Inc janitor supplies FL4-4800
Gatewood Harold
Nimmens Odell
118 Luty Bros Construction Co aluminum storm windows & siding ◎ GL4-2344
119 Vacant
121 Vacant
122 Kandel Bros Poughkeepsie Corp elec equip GL4-2180
123 Wright Sylvester GR1-7452
McKinney Alberta A Mrs
124 Jackson Thos
Reed Graydon E
Benton Julia
Twyman Jennie Mrs GR1-6890
125 Hobart Sales & Service mfrs agt ◎ GL2-3510
Freeman Robt GL4-6333
Wilmer Mary L Mrs

**N Perry begins**
127 A&P Food Stores
128 Lombardi Bronx Fruit Market GR1-3225
129 Vacant

**S Perry begins**
130 Krieger Pharmacy GL2-3240
131 Shelipsky Hyman shoes ◎ GL2-8080
Lefkowitz Rebecca Mrs
132 Mason LeRoy GL4-7481
Masten Anna Mrs GL2-3866
133 Abdoo Self Service Grocery GL2-2770
Colden Carlissa G Mrs
May Edw GL2-3143
rear Vacant
134 Pete & Jim's barbers
Mosby Grace Mrs
Starkey Joseph W
135 Chartoff's Mimi Fresh Fish Mkt GL2-4010
Merritt Salathile L GR1-4333

YOU "WOOD" BE SURE INSURED WITH WOOD
**GEORGE B. WOOD, JR. AGENCY, INC.**
INSURANCE — REAL ESTATE
Office GLobe 2-1500 — PHONES — Residence GLobe 2-0532
4 CLINTON SQUARE POUGHKEEPSIE, N.Y.



MAIN--Contd

136 Nicholis Marie Mrs © plmb supplies GL2-8632
Mauro R Salvatore GL4-7047
137 Main St Live Poultry Market GL4-9750
Watson Louis
Brown Longie
Butler James
Nelson Amelia Mrs
138 Sherman Fredk T GL2-7454
Edwards Moses GR1-7771
139 Roig Chester A vet surgeon GL2-8180
140 Neighborhood Services Organization
Bennett Harry GL4-5756
Lennox Beatrice Mrs GR1-3141
141 Tia Juana Billiards
142 Vacant
143 Johnson J P GL4-1281
Johnson James Gl4-2153
Collins Estelle Mrs
143½ Vacant
144 Dutchess Glass Co Inc GL2-3900
145 Self Service Laundry
Kowalewski Chester J GR1-7823
146 Tocci Bridget Mrs used furn GL2-7986
Lattin Clarence M GL4-1867
Rider Oliver J GL2-4821
147 Sharpe Mary E Mrs
148 Glenn Raymond jr
149 Johnny's Food Market gro & meats GL4-9172
Fennell Ethel Mrs GL4-2558
Hembreck Edw C
Ellis Alf W GR1-3582
150-152 Dutchess County Motor Vehicle Bureau GL2-0130
Dutchess County Home Extension Service GL2-0170
151 Vacant
151½ On Hong Wong hand lndry GR1-2948
153 On Hong Wong ©
Levine Louis used mdse
Nador Jos
155 Christie Raymond
157 Albano's Wine & Liquor Store GL2-4240
Raymo Jas E GL4-8105
Veach Earl
159 Tony's Restaurant GL4-9385
Cerzosimo Antonio ©
Eginger Geo FL5-9756
161 Vacant
163 Vacant
164 Vacant

15

**N Bridge begins**
**S Bridge begins**

173 Prudenzano Albert
Montano Frank
174 Reliable Furn Store GL2-8600
175 White Tile Restr The GL2-9865
176 Rock David Paper Co GL2-6970
Hammond Calvin
Bronson Betty Mrs
Hill Harold
178 McClinton Henry
179 Capitol Bakery GL4-2260
White Albert
180 Standard Distributors dry goods whol GL2-5050
Ostrom Geo W GR1-4439
181 Monte Carlo Restr GL4-9392
Walazek Edw
182 Heiman Pauline Mrs used clo
Middleton Nellie
184 Standard Distributors Storage
Lane Wm
Ouimette Ernest J
Lubitz Ida Mrs GL2-8709
185 Poughkeepsie Blouse Corp GL2-2170
186 Canter Sarah Mrs © men's clo GL2-6460
Marioni Gerado
187 Morrison Frank H GL2-8441
Brant Lena K Mrs
Whitney Chester H
Menk Jos
187½ Healey Nora
188 Virgilio Philip
188a Tony & Phil's Barber Shop GR1-1640
189 Kronberg Esther used clo
DeAngelus Philip J GL4-7529
Heisler Jean E Mrs
191 Jaeger Printing Co © GR1-0890
192 **Harris Hall Apartments**
Apartments:
1 Vacant
2 Vacant
3 Canter Louis GL2-6312
4 Vacant
5 Vacant
6 Mosher Chas E GL2-3956
7 Stamberger Ferdinand
8 Kaiser Ethel V GL4-1117
9 Vacant
10 Heitmann Frank GR1-7032
11 Vacant
12 Flavin Wm E GR1-5049

**Vassar begins**

193 Vassar Bros Home for Aged Men © GL4-7410
194 Jennings M Winifred Mrs GR1-6612
Burke Frank A GL4-6314
196 Davis Mattress Mfg Co GL2-4530
Freeman Gerald GL4-6735
Brown Kenneth L
197 Johnson Charlotte E Mrs
Hines Alf
Cave Marion D Mrs
Lyons Annie R Mrs
198 Vacant
199 No Return
200 Smith Benj
201 VenTriglia Laura
Bagley Richd
202 Western Union Repair Shop
Crouch Margt A GL2-4447
Yaun Yuen Lim
Ashline Margt Mrs GR1-5822
Warren Frank
Seccihia Helen Mrs
203 Levine Ida Mrs used clo © GR1-3593
LaManica Gertrude
Morrison Patricia
Wing Marjorie
Brown Ray
Daly Austin
Crum Wm H
203½ Poughkeepsie Hardware GL2-7270
204 Joe's Variety Store
Yerger Raye L Mrs
Nuccitelli Anthony © GR1-2680
Meyer Julius
Emmett Geo

USE THE ALPHABETICAL SECTION TO GET COMPLETE INFORMATION ON A PERSON OR FIRM

**P. S. POTTER & SONS, INC.**
—
CHEVRON FUEL OIL
CHEVRON GASOLINES
GOODYEAR TIRES & ACCESSORIES
HEATING CONTRACTORS
24 HOUR BURNER SERVICE
*PLUS TRIPLE S BLUE STAMPS FOR HOME CONSUMERS*
PROSPECT ST.
POUGHKEEPSIE
N. Y.
Tel.
452-8900

Who Sells It?

Is Answered by the Classified Business Lists in this Directory

GRAHAM AGENCY Inc.
ALL FORMS OF INSURANCE
Since 1910
Tels.
GLobe 2-8710
GLobe 2-8711
7 NEW MARKET ST.




C & E CONSTRUCTION
INCORPORATED
EXCAVATION BY RENTAL OR CONTRACT
BUILDERS OF PRIVATE ROADS SWIMMING POOLS SEWER AND WATER LINES
88 NORTH BRIDGE ST. PHONE GLobe 4-2820, NIGHT PHONE GLobe 4-5632



MAIN--Contd
205 Mid-Town Grocery GL2-3640
**Apartments**
1 Travis Wm
2 Henry Geraldine Mrs
3 Lewis Helen Mrs
4 Curry Eddie
5 Washington Boyd
6 Mincey Simon GR1-5019
**Street continued**
206 Balco Furniture Co Inc GL2-6320
**Apartments**
1 Deardean Harold
2 Stone Chester
3 Vacant
4-5 Whiteley Clifton L GR1-2606
6 Krom Walter
**Street continued**
209 Harmon Printing House © GR1-3410
210 **Two Hundred Ten Main St Inc Apartment Building** GL4-3092
Apartments:
1a Price Frank
1b Melzer Lawrence E GL4-7796
1d Serino Sophie Mrs
1e Dool Charlotte R
1f Dalia John GL2-8973
1g Katz Louis GR1-2381
1h Mullen Ruth C Mrs GL4-9424
1j Gurney Robert S GL4-6294
1k Busse Mary Mrs GL2-5649
1m Freedman Harry
1n Donohue Clara Y Mrs GR1-7373
2a Rhodes Gladys M GR1-2354
2b Lindstrom Anne
2d VanWyck Ida V GL4-4388
2e Rhodes Julia Mrs GL4-2398
2f Fitzhenry Agnes GL4-1947
2g Cotter Ethel A GL4-7875
2h Knox Ruth GL4-5876
2j Williams James R GR1-0715
2k O'Neill Jas F GL4-0912
2l Hawk Earl S GL4-4687
2m Andrus Hilda Mrs GL2-1505
2n Clearwater Harold
3a Clark Rose C GL2-5619
3b Buonaiuto Michl GL2-3354
3d Ringwood Althea Mrs
3e Jones Eliz F Mrs GL2-1021
3f Hanaburgh Alva H GL4-4219
3g McCaffrey Eug A GL2-4928
3h Caven Minnie E GL2-2662
3j Tarantous Gladys Mrs GL2-5712
3k Solomon Tobias GL4-3373
3l Lybolt Agnes Mrs
3m Holzer Betty Mrs GL4-8138
3n Hill Ida Mrs GL4-7108
4a Belons Harry
4b Pfughoeft Edwin W GL4-2104
4c Woolston Elsie J Mrs GL2-4347
4d Robinson Helen
4e Vandewater Edith Mrs
4f Kopser Anne Mrs
4g Laufersweiler Geo GL2-7532
4h Kober Eliz F Mrs GL2-1975
4j Polhamus Eliz T GL2-6551
4k LoGuidice Josephine K Mrs GL4-5245
4l Griebsch Kath S
4m Murphy Margt M GL4-2487
4n Nador Josephine G GL4-8359
**Street continued**
211 Newport Barber Shop
Cabrel Ernest
Elting Clarence GR1-6877
Walker Lawrence
Ellis Wm
213 National Cafe GL2-9303
Brown Wm E
Duncan Willie F
Davis Harold
Green Charles
215 Robbins Fruit Co fruit and veg whol GL2-4280
Fulton Jas
Ellis Harrison
Parker Millie
Hinton Rebecca M Mrs GR1-4349
Davis Calvin C
Goggins Eug W GL4-2512
215½ Mizell's Barber Shop
216 Salvation Army Citadel © GR1-1210
Ladd Robt
217 Four Seasons Restr GL4-9253
218 Morgan Fuel & Heating Co Inc GL2-1800
rear Morgan Fuel & Heating Co Inc whse
219 Borges Anna
Curry Louis C
Hunter Theo R
220 **Apartments**
3 Martin Mary A Mrs GR1-5945
4 Munson Gertrude Mrs GL2-4514
5 Jones Hazel P Mrs
6 Ryan Florence D Mrs
7 Rivenburg Alice M Mrs
8 Vacant
9 Lake Howard
10 Vacant
11 Vacant
12 Vacant
**Street continued**
221 Twentieth Century Tavern GL2-9108
Curry Louis C GL2-6175
Palmer Dorothy
222 Vacant
rear Vacant
223 Westchester Restr & Bar Supply Inc GL4-6420
223 State Wine & Liquor Shop GL2-3080
**Washington begins**
224 **Strand Apartments**
Apartments:
1 Fredenburg Robt
1a R&R Constn Co GL2-3444
Reeder Delbert C CL2-3444
1b Wasner Robt GL4-0861
2 Drumgould Kath Mrs GR1-5064
2a Claycomb Roy E GL4-4626
2b Delaney Nellie J GL4-0427
3 Lysenko Anna GL4-6841
3a Vacant
3b Bender Eliz GL4-0838
4 Lane Violet GL4-7645
5 Robinson Margt Mrs GL2-1472
6 Perkins Luella Mrs GR1-5358
7 Truitt Rosemary Mrs GL2-2181
8 Fenner Phoebe Mrs
9 VanDe Mark Ella Mrs GR1-4183
10 Corey Wm L
11 DeGarmo Emma Mrs
12 Smith Inez GL2-5962
14 DuBois Jennie Mrs GL4-3799
15 Dickinson Josephine F GL4-7968
16 Diaz Marie A Mrs GR1-0426
17 Dobler Lillian M
18 Smith Charlotte
19 McGarrell Patk F
20 Holden Anastasia Mrs GL4-8067

| Target Street | Cross Street | Source |
|---|---|---|
| - | ✓ | Polk's City Directory |

# N PERRY ST 1963

Lindbergh pl north to VanWagner rd (Arl)

6 Russo Ciro © 454-1030
8 Cioffi Thos C © GL4-1848
10 Duncan Grace E Mrs GL4-7425
12 Halstead Jos F © GL4-1383
14 Zirnis Elmar E © GL4-2358

16

**PERRY NORTH—From 131 Main north to 166 Mill**

3 Whittaker Natalie Mrs GR1-2074
6 Johnson Columbus GL4-3494
7 Williams Robt © GR1-7087
8 Baker Essie M Mrs
9 Gibson Saml L
Hawkins Lulena Mrs
10 Duke Alfonso © GL4-6353
12 Kusler Wm
15 Poughkeepsie Live Poultry Market GL4-6150
16 Calhoun Jeanette Mrs
Kopecky Franz GL2-4315
Kugler Wm T
18 Lawrence Nancy Mrs
Skinner Charles
20 Cherry Hollis E
Vaughan Clyde
Gridiron Virginia Mrs
21 Borden Ice Cream Co The © GL4-2900
22 Holmes Anna M Mrs GL4-7725
Munn Chauncey L © GL4-7725
24 Singleton Jas W © GL4-8879
Howard Anna L Mrs
26 Pittman Virginia Mrs ©
Kahn's Max Sons hides GR1-0490
28 Alford Charlenia Mrs GL4-7827
Morris Lons
Thomason Robt L ©
30 Hankerson Harvey © GR1-5369
Hankerson Warren GL2-8438
32 Thompson Fredk GR1-1571
Lee Edw Rev
34 Jacobs Geo ©
35 Panessa Pasquale © GR1-2992
Amato Rose Mrs GL4-8827
Panessa Pasquale jr ©
Lane Robt S
35½ Vacant
36 Robert Hoke
Cooper Gussie Mrs GR1-2218
37 Cropp Lawrence H
38 Williams Oscar
Grimes David
Williams Walter
39 Vail Ellen Mrs
Clemens Paul
40 Jones Minnie Mrs ©
Gray Ollie J jr
41 Johnson Bishop ©
Hopgood Addison ©
42 Stevens Benj
Duncan Raymond
Goode Sheila
43 Roger Viola Mrs GR1-6884

20

**PERRY SOUTH—From 128 Main south to 157 Union**

1 Weber Louis E © GL2-3240
Buckley Ann E Mrs GL4-2561
2 Boyer Wm F GL4-0374
4 Newman's Auto Body Works Inc ©

Who Sells It?
Is Answer by the Classifi Busines Lists in this Directo
PLANNI
TO MOV
Call
RO
MOVE
Your North Ameri Van Lines Agent
HUDSO VALLEY' LARGES
ANYWHE IN THE U. S OR 47 FORE COUNTRI
Phone
GRov 1-41
THE ARE

| Target Street | Cross Street | Source |
|---|---|---|
| ✓ | - | Polk's City Directory |

**MAIN ST 1948**

19 Barnes Lucille V Mrs ◎ 1
20 Adler Albert M ◎ 4 🔔1044
22 Hansman Freda E Mrs ◎ 2 🔔3766-W
27 Vacant

**MAIN** fr Hudson River east to Junction Pleasant Valley rd and Manchester rd (Arl)

**0** Sinclair Refining Co bulk plant 🔔1211
**1** Vacant
**3** Hudson River Day Line 🔔1173
**Front st begins**
**20** Talbot Jas F restr ◎ 3 🔔1524
**25** Myer's Clam Tavern 🔔3732
**North Water st begins**
**South Water st begins**
**35** Johnson J D Co Inc plumbing supplies 🔔962
**rear** Feuer Transportation Inc 🔔782
40 Daughton Jennie L Mrs ◎ 1 🔔5350
**41** N Y Central System 🔔6474
W U Tel Co
Emmett Louis shoe shiner
Union News Co
Railway Express Agency Inc
12

| Target Street | Cross Street | Source |
|---|---|---|
| ✓ | - | Polk's City Directory |

# MAIN ST 1948




Home Owned and Home Operated

Luckey, Platt & Company


**41 Main St**—Con

**Building**—Con

VanBenschoten Motor Cab Co Inc △1220

Van's Cab Co Inc △1221-1220

Union News Co Restaurant

**52** Independent Cabs △347

**53** Lumb Woodworking Co Inc △1670

**54-58** Poughkeepsie Plumbing Supply Co △2816

**Harris st begins**

62 Urban John S furn rms ◎ 5 △6092-W

64 Crevino Jos ◎ 4

Romeo Chas 3

**65** Epstein Louis leather goods △3377

Rinkle Angie Mrs 5 △7119-R

Sullivan Mary Mrs 3

**67** Rinaldi Louis restr ◎ 5 △327

**85** Central Tavern △6642

Talaber Rose Mrs 3

Talaber Stephen 3

**Davies pl begins**

86 Mackey Thos H 6 △2302-J

Miller Chas J 5 △4145-W

Noll Vera ◎ 4 △6659-J

87 Vacant

88 Cary John 3

Higgins Robt W 5 △7336-J

Perry Jas D 3

Sicolo Frank V 3

Square Amusement Co △5710

90 Smith Raymond 6

Heinze Chas H 5

Burke Frank A 3 △7130-M

Vitelli Jos L 5 △4145-J

92 Gloede Signs

Gloede Robt neon signs

**94** Storage

**96** Brown Derby The restr △2911

Beltran Germain 2 △1824

Higgins John J 4 △6659-M

Severino Jas T 4 △2302-W

Olivo Louis 3 △6659-W

**N Clover st begins**

**S Clover st begins**

**97** Barone Rosaria Mrs liquors △794

98 Millman Jos 2

Millman Rose Mrs paints △5674

Palumbo Frank 4

**Building**—Con

Humphrey Alida M Mrs 1

Pisanelli Victor M 5 △1981-J

**99** Washburn Robt P cigars △1177

Clover Tavern

100 Broas Raymond 4

Veach Bertha M Mrs 2

100½ Vacant

**101** Jimmies Luncheonette

Pagano Jas 4 △4639-W

Mollica Patk F 4 △2213-J

Pagano Salvatore ◎ 5

102 Callaghan Alice Mrs 8

Burlingame Margt S second hand furn △2634-J

Goldberg Anna Mrs 2

Lawrence Thos 4 △1914-W

**103** Guglielmo Antoinette Mrs drsmkr

Guglielmo Giuseppe 3

104 Thomas Jas 9 △7103-J

Chief Electronics Inc △7300-7301

Benjamin Jos I 5

Empert Eliz Mrs 5

**105** Zani's Al market △2055

**106** Empire Grill △1801

Murphy Edw F 4

Chippini Theresa S Mrs 3 △1981-M

Matuk Anthony 4

**107** Scarlata Jos barber

**108** Palmer Chester confr 2

Hampe Pearl A Mrs 5

109 Dorland Marie C 1

DiPleco & Son △5148-W

Burlingame Chester M 5

**110** Flewelling Reginald H hdw specialties △593-M

Martin Eva Mrs 1

DeFrance Ralph R 4

Dellolio Margt Mrs 4 △1914-J

**111** Mancini Frank meats ◎ 2 △4782

Matruple Paul 3

**112** DelForno Barney F shoe repr

Morris Ella M Mrs 6 △1981-R

Rollins Eleanor Mrs 3 △7103-R

113 Scurco Peter 4 △7104-J

Zani Robt 3

**114** Westchester-Hudson Linen Supply Co △3575

Dewey Ida Mrs 3 △7103-W


WOMEN'S AND MISSES' CLOTHING

•

MEN'S FURNISHINGS

•

GIFTS

•

YOUTH CENTER

•

FURNITURE

•

APPLIANCES

•

HOUSE FURNISHINGS

•

LINENS

•

FUR SALON

•

BEAUTY SALON

•

CAFETERIA

•

PHOTOGRAPHER

— • —

MAIN and ACADEMY

PHONE POUGHKEEPSIE 2500

Luckey, Platt & Company

IN THE HEART OF DUTCHESS COUNTY

N. Y. CITY OFFICE

**R. B. ERHART - REALTOR**

**Farms — Country Homes — City Properties**

919 MAIN STREET POUGHKEEPSIE, N. Y. TELEPHONE 5511

**BACU ICE, INC.**

**ICE**

Wholesale and Retail

ICE Cold

**COLD STORAGE**

—

**FREEZER**

**FROZEN FOOD LOCKERS**

•

**33-35 HIGH ST.**

**PHONE 3840**

**114 Main St—Con**

**Building—Con**

Johnson Charlotte Mrs 7 △2636-M
Johnson Nelson M 10
**115** Dutchess Tavern △3233
**117** Thorne Grace L Mrs 2
VandeMark Kenneth M 4
**118** Poughkeepsie Auto Slip Covers △5724-M
Shanley Frank E 6 △1077-R
Burger Harry 6
Rodack Florence Mrs 3
rear 118 Vacant
**119** Ostrom Geo W 5
Ferrara Jos, 2d hand furn
Meddaugh Theron W 4
Smith Edw 4
**120** Volino Fernando A carp contr
**122** Norman Rose Mrs gro △6335
Stanton Raymond H pntr
Greco Saml 3
Ferris Steph D 5
DeFrance Frank 3
Shay John 5 △6947-J
**123** Melito Jos S 3
Rogers Jennie E 4
**124** Benjamin Walter I electrical contr 3 △1940
Empert Stephen 5 △6947-W
Mosher Mary
Ostrander Arth
Sherow Clarence
**125** Saratoga Tavern △1915
Dangerfield Thos 3
Wetmore Katharine T © 1 △2213-M

**N Perry st begins**

**127** Gt A & P Tea Co The
**128** Lombardi Bronx Fruit Market △2561
**129** Belmont Dominick N cigars
Ruffini Vincent shoe repr © 1
Nameth Louis 7

**S Perry st begins**

**130** Krieger Ida F W Mrs drugs △1690
**131** Shelipsky Hyman shoes © 3 △958-M
Lefkowitz Harry 2
**132** Moss' Bargain Center △7505-J
132 Steen Fred 2
Masten Anna Mrs 4 △7102-J
**133** Abdoo Jos gro △3041
Hewitt Florence M Mrs 2 △895-J
Moseby Frank 2
rear Calhoun Danl 1
**134** Pete & Jim's barbers
Kortright Alf F 8
Merritt Vera Mrs 5
**135** Delicious Macaroni Factory
Riccobono John 2
**136** Nicolis T & Son plumbing supplies △6410

**Building—Con**

Nicolis Anthony © 5
Pasquarelli Pasquale 4
**137** Arico Anthony J 1
Guglielmo D & Son gro △5448
Lowery Michl J 5
Holt Anna M Mrs 3
Smith Lillian Mrs 6
**138** Sherman Fredk T 3 △7102-R
Bennett Harry 5 △1143-W
Lennox Jas 5
Loeser Wm 4
**139** Roig Chester A vet surg △401
Guglielmo Dominick 5
**140** Lazar Louis variety △2494-J
**141** Selco Janitor Supplies & Paper Co Inc △6021
**141½** Vacant
**142** VanNosdall Wm 2 △1914-R
Brink Chas E 6
**143** Plastic Heat Sealing Co △2-6568-M
Cole Chas F 13
Brown Thos 4
Morrison Wm M 8
Shook Wesley E 6
**144** Rubin Glass & Mirror Co △7180-7181
**145** Vacant
**146** Tocci Bettie Mrs second hand clothing 1 △6919-R
Lattin Clarence M 4
Rider Oliver J 4
**147** Vacant store
**148** Schlude's Geo Sons furn and funeral directors △368
Weber Wm 3
Zimmer Minnie 3
**149** Western Meat & Poultry Mkt △5218
Armano Jas 2
Janendo John 4
Perini Oreste 5 △7101-M
Saricelli Genaro 7
**151** Savoy Restaurant △2233
**151½** Kew Lee Indry
**153** Clark Blanche Mrs 1
Abdoo Jos 2
Blaufarb Max A gro △5899
**154** Spinelli Anthony fruit △3854
Mason LeRoy 2
Pattcy Jos M 3
**155** Village Tavern Restaurant △6626
Adams Sterling 2
**156** Felice Philip 6 △7103-M
Gunsalus Geo C 2
Kirchner C & O meats △140
**157** Albano's liquors △3880-W
Richmond Vernon Mrs 4
Whaley Wm 2
**158** Chambers Julian A 4 △337-M
**159** Venezia Italian Restaurant △4355
Cerzosimo Antonio © 6
DiRocco Jos V

| Target Street | Cross Street | Source |
|---|---|---|
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# MAIN ST 1948


**VAETH AND VAETH**

*General Accounting and Audit Company*

36 NEW MARKET ST. TELEPHONE 7710


160 Haber & Son bicycles and children's furn ⏃1920
Haber David ⓒ 4 ⏃1920
Devine Wm J 4 ⏃6947-R
161 Lawrence Melvina 3
Chapman Edw W 5
Elletson Saml C 3
162 French Cleaners & Dyers
162½ Popular Smoke Shop ⏃6119
Bonahue Thos C 2
163 Italy Commercial Co gros
164 Neustat Sol drugs ⏃593-W

**N Bridge st begins**

**S Bridge st begins**

172 Vacant
173 Taub David dry gds ⏃462-R
Mastrocinque Jos 4
Peattie Maurice F 2
174 Reliable Furniture Store ⏃7400
175 White Tile Lunch ⏃6297
176 Rock David whol paper ⏃19
Dimsey Geo L 2
MacAuley John 2
Robinson Clayton 3
Sickler Earl 2
178 Standard Distributors Inc paper ⏃6868
Bilyou Richd N 4
Smith Harold 11
179 Capitol Bakery ⏃4577
Pizzard Saml 4
Tiano Jos J 2
180 Heddricks Avrilla Mrs 6
181 Tudor Grill ⏃7736
Cady Elijah A 3
Ranco Michl 2
182 Heiman David tailor 2 ⏃5238-J
Kelly Anna Mrs 2
Seaman Geo B 2
184 Stein Sarah Mrs 1 ⏃4074-M
Martin Wholesale Co dry gds ⏃6446-W
Phillips Ann Mrs 1 ⏃1405-J
Palen Roy 2
Eckert Geo W 2
Wilson Harriet Mrs 1
185 Poughkeepsie Blouse Co Inc ⏃336
186 Canter Harris men's furnishings ⓒ 6 ⏃854-W
Andreakos Jas 3 ⏃1405-M
187 Blackburn Jas K 3
Marazino Marie Mrs 2
rear Vacant
188 Repino Vincent shoe repr
Virgilio Fannie Mrs ⓒ 4 ⏃1405-R
188a Virgilio Anthony barber
189 Casimero Casimer 6
Mahoney John 9
190 Vacant
191 Jaeger Printing Co ⏃310
192 Beal Wm G 3 ⏃7135-R
Herman Fred H 2
Feeney Robt P 3 ⏃7135-J
Caston Leo 2 ⏃846-M
Goldberg Jacob 2 ⏃1887-J
Goodman Franklin 2
Gorton Jack 3
Meyn Albert W 2 ⏃7135-M

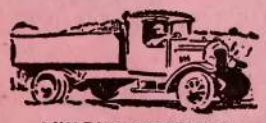
**Vassar st begins**

193 Vassar Bros Home for Aged Men ⏃1706
194 Morgan Edw V 2
Salvato Jos A 2 ⏃846-W
Schlimmer V Eug 2
Scheliga Jos M 3 ⏃7311-W
Turner Forest 2 ⏃846-R
196 Davis Morris A mattress mfr ⏃3609
Kronberg Carl 4 ⏃1887-R
Marra Clara Mrs 2 ⏃3782-R
197 Willard Music Co ⏃3873-J
Coon Wm 1
Haupt Sophie K Mrs 2
Dow Mabel A Mrs 2
Simpson Wm 1
198 Joe's Variety Store
Marcus Jas ⓒ 5 ⏃846-J
Malloy Lawrence F 2
Colacicco Frank 2
199 Vacant
200 Gold Seal Bakery ⏃7219-J
Michaels Abr 4 ⏃7135-W
Michaels Isadore 6
201 Caffe Aurora confr ⏃3485
Strippoli Paul 1
Buschbaum Geo 3 ⏃6069-J
Nelson Clew Mrs 2
202 Halstead Cath Mrs used clothing
Bilcheck John jr 3
Cohen Beatrice Mrs 1
Price Kath Mrs 3
Treshnell Harry 3 ⏃7135-M
Demkosky Julius 3
203 Peterson Carl 2
Streichert Henry 4
Barbieri Louis mattress mfgs ⏃968-W
Levine Louis J second hand clothing 3 ⏃5329-J
203½ Vacant
204 Mid-Hudson Painting Co ⏃5636-W
Felter Emeline Mrs 1 ⏃3782-W


**MITCHELL FURNITURE CO.**

*Everything To Furnish The Home*

387-391 MAIN PHONE 2384



BUILDING WRECKERS

**POUGHKEEPSIE WRECKING CO.**

Phone 3672 NEW and USED Phone 3672
BUILDING MATERIALS **LUMBER** PLUMBING SUPPLIES
11-19 MANCHESTER ROAD, at Cor. Pleasant Valley Road

# MAIN ST 1948

SERVICE IN HIGHLAND AND POUGHKEEPSIE — FARMERS MILK CO. BRANCH

**DAIRYMEN'S LEAGUE CO-OPERATIVE ASS'N, INC.**

Distributors of Dairylea Dairy Products—Milk—Cream—Butter

729 MAIN ST. POUGHKEEPSIE TELEPHONE 1336



Join Our SPIT AND WHITTLE CLUB

Lumber

EVERETT R. DAVIS

•

Lumber and Building Supplies

•

ROUTE 31
Arlington Siding

PHONES
4130
4131



**204 Main St**—Con
**Building**—Con
Burke Edw P 2
Heller Faye Mrs 4
Hubbard Robt J 2
205 Lynch Kathryn E 8
Whalen Gertrude F Mrs 5
Slater Mary L nurse
Mid-Town Grocery ⏃4324
**206** Royal Cleaners & Dyers ⏃462-J
Schneider Albert 4
Weber Wm 7
207 Vacant
209 Drew Calvin C 2 ⏃2551-M
Printing House of Harmon ⏃6660
Englehardt Mary 1
**209½** Vacant
210 **King's Apartments** ⏃3939-R
bsmt Yemiz Louis 2 ⏃3939-R
*1A* Price Nettie Mrs 3
*1B* Gilleran Gertrude M 1 ⏃7056
*1D* Soricelli Nicholas 2
*1E* Keenen Hugh J 2
*1F* Alulis Jennie V 1
*1G* Brown Harry D 4
*1H* Terwilliger Oliver 2 ⏃2446-M
*1J* Dalsimer E Margt Mrs 2 ⏃2049-M
*1K* Yousey Wm C 3
*1L* Triller Ernest D 3 ⏃2727-J
*1M* Bourgoise Eliz E 1
*1N* Burke Frank J 4
*2A* Davis Louis 3 ⏃2224
*2B* LaReau Eliz Mrs 3 ⏃4154-M
*2E* Murray Irene K Mrs 3 ⏃2235
*2F* Meddaugh Wm J 2 ⏃2727-R
*2G* Maure Douglas 2 ⏃6095-M
*2H* Mahler Sadie Mrs 1
*2J* Brezinski Louise Mrs 3 ⏃6095-W
*2K* Kennedy Kath A 2 ⏃817-J
*2L* Wigg Cath C Mrs 2
*2M* Bennett Robt 2
*2N* Blass Ronald C 2 ⏃708-W
*3A* Vullo Jos 2 ⏃2049-R
*3B* Belton Mary E I 1
*3D* Donnelly Alma M 1 ⏃2049-J
*3E* Spielman Azella Mrs 2
*3F* Campion Wm J 2
*3G* Victor Geo 3
*3H* Caven Minnie E Mrs 1
*3J* Tarantous Richd 2 ⏃4154-J
*3K* Solomon Tobias 2 ⏃6512-M
*3L* Straley Jas E 2
*3M* Holzer Isaac 2 ⏃609-JR
*3N* Hutchings Durward E ⏃3 ⏃7171-J
*4A* Maginnis Wm G 2 ⏃2646
*4B* Pflughoeft Edwin W 2 ⏃3777-R
*4C* Woolston Howard F 2 ⏃3777-J
*4D* Hotaling Brenda O 1 ⏃6095-J
*4E* Cochrane Cecilia S Mrs 1 ⏃708-J
*4F* Miskovitz Frank J 3 ⏃2727-M
*4G* Laufersweiler Geo 2 ⏃5676
*4H* Cotter Cornelius 2
*4J* Sands Wm J 2 ⏃1236-M
*4K* Bradshaw Ethel D Mrs 1 ⏃2446-W
*4L* Whalen Vincent P 3 ⏃3968
*4M* Murphy Margt 2
*4N* DelRoss Edw 3 ⏃6512-W
**211** Saricelli Jerry confr
**213** National Cafe ⏃4185
Bush Anna D 2
Gernaro Tony 2
Rexhouse Wm 1
215 Roedell Jos K 3 ⏃2028-M
Westchester Restaurant & Bar Supply ⏃422
Biszick Alex 3
Burke John J 2
Campbell Danl W 5 ⏃1427-J
DeCheck Jack J 7 ⏃2848-J
216 Salvation Army Citadel ⏃4224
Daniels Walter 2 ⏃4224
**217** Mike & Henry Restaurant ⏃5939
**218** Morgan Ice & Fuel Corp ⏃1719
rear Vacant
**219** Dee Dee Outlet
Hubbard Alice D Mrs 1 ⏃2848-W
Judd Christian 2
**220** Lutsky Barnett men's clo 1 ⏃5257-J

**Apartments**

apt *3* Lutsky Barnett 2 ⏃5257-J
*4* Munson Gertrude Mrs 1 ⏃3583
*5* Maxin Philip A 2
*6* Kirk Eliz Mrs 2 ⏃7562-W
*7* Morello Jos 2
*8* Levinsohn Mose 1 ⏃2184-W
*9* Gunsch Chas H 3
*10* Pignone Ralph 1
*11* Barringer Margie R Mrs 1
*12* Benedict Frank R 4
**Little Washington st begins**
**221** Twentieth Century Grill ⏃1095
Cross Mary E Mrs 2 ⏃1479-W
Marlin Edbert C 2
Schwartz Tillie Mrs 1
**222** Poughkeepsie Music Shop Studio ⏃2312
**rear** Storage
**222½** Vacant
**223** Green's Tillie Corrective Shoe Shop
State Wine & Liquor Shop ◎ 3 ⏃3737

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## N PERRY ST 1948

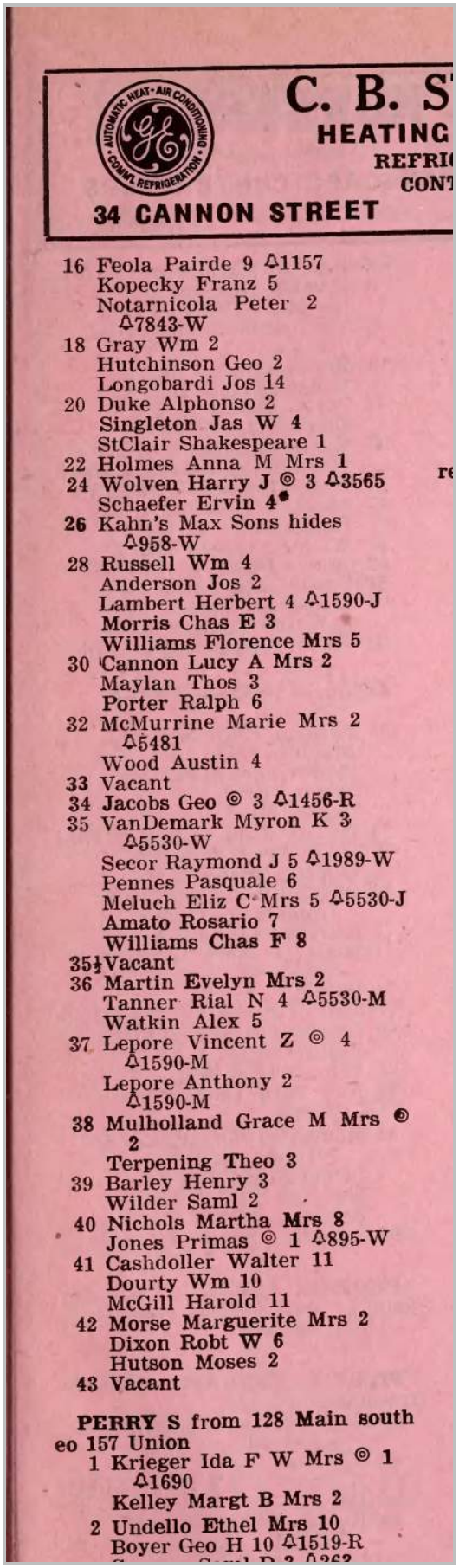
Pfetsch Geo © 1 🔔1009-W
ss Portman Henry N © 4
🔔363-W
ns Waldgreen Lillian H © 1
🔔2673-J

**PERRY N from 131 Main north to 166 Mill**

3 Velie Mary E Mrs © 1
🔔895-R
Lane John J 2
Molt Henry J 8 🔔895-M
6 Biscardi Peter 5
Tolson Jas E 2 🔔7840-J
7 Guido Leonard 3
Decker Albert 4
McQuade John 5
Roe Geo F jr 2 🔔7841-J
7½ Vacant
8 Merritt Stanley 9
9 Cimorelli Aug 6
10 Ladzinski Frank J 2
12 Royal Modesta Mrs 3 🔔7843-M
Taylor Bertha Mrs 3
14 Williams Fate 3 🔔7031-W
Freeman Robt 3
15 Poughkeepsie Live Poultry
Market 🔔552

| Target Street | Cross Street | Source |
|---|---|---|
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# N PERRY ST 1948



C. B. S
HEATING
REFRI
CON
34 CANNON STREET

16 Feola Pairde 9 ⏃1157
Kopecky Franz 5
Notarnicola Peter 2 ⏃7843-W
18 Gray Wm 2
Hutchinson Geo 2
Longobardi Jos 14
20 Duke Alphonso 2
Singleton Jas W 4
StClair Shakespeare 1
22 Holmes Anna M Mrs 1
24 Wolven Harry J ◎ 3 ⏃3565
Schaefer Ervin 4
26 Kahn's Max Sons hides ⏃958-W
28 Russell Wm 4
Anderson Jos 2
Lambert Herbert 4 ⏃1590-J
Morris Chas E 3
Williams Florence Mrs 5
30 Cannon Lucy A Mrs 2
Maylan Thos 3
Porter Ralph 6
32 McMurrine Marie Mrs 2 ⏃5481
Wood Austin 4
33 Vacant
34 Jacobs Geo ◎ 3 ⏃1456-R
35 VanDemark Myron K 3 ⏃5530-W
Secor Raymond J 5 ⏃1989-W
Pennes Pasquale 6
Meluch Eliz C Mrs 5 ⏃5530-J
Amato Rosario 7
Williams Chas F 8
35½ Vacant
36 Martin Evelyn Mrs 2
Tanner Rial N 4 ⏃5530-M
Watkin Alex 5
37 Lepore Vincent Z ◎ 4 ⏃1590-M
Lepore Anthony 2 ⏃1590-M
38 Mulholland Grace M Mrs ◎ 2
Terpening Theo 3
39 Barley Henry 3
Wilder Saml 2
40 Nichols Martha Mrs 8
Jones Primas ◎ 1 ⏃895-W
41 Cashdoller Walter 11
Dourty Wm 10
McGill Harold 11
42 Morse Marguerite Mrs 2
Dixon Robt W 6
Hutson Moses 2
43 Vacant

PERRY S from 128 Main south eo 157 Union
1 Krieger Ida F W Mrs ◎ 1 ⏃1690
Kelley Margt B Mrs 2
2 Undello Ethel Mrs 10
Boyer Geo H 10 ⏃1519-R

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# MAIN ST 1942



**LOOCKERMAN AV—From 12 Platt south to Yates blvd**

2 Burnes Frank X ◎ 4 △5072
3 Stephens Saml C ◎ 5 △4187
4 Roberts Bertrand E 4 △798R
6 Osborne Fred B ◎ 2 △1465
7 Sterling Graham L ◎ 2 △4349
8 Schwartz Edw A ◎ 7 △3358

**Adriance av intersects**

13 Zook Henry M 5 △3979
14 Swift Theo V K ◎ 4 △4262
15 Marsh Clifford M ◎ 2 △4865
16 Hasbrouck Ross civil eng ◎ 3 △4007
17 Farmer John R ◎ 3 △6041
19 Knowles Fredk W 2 △4126
21 Poucher Franklyn J ◎ 5 △3511

**Barnard av intersects**

24 Tongue Donald G ◎ 6 △1429

**Willow Bend begins**

**W Winding rd intersects**

25 Hartshorn C Burton ◎ 5 △3567
26 Purcell Thos F ◎ 3 △1045
33 deCordova Noel ◎ 5 △4475J
38 Benson Harold A J ◎ 6 △3831
39 Bradley Steph R ◎ 6 △4933
40 Nye Lloyd M ◎ 3 △2514
45 Keyes Danl M ◎ 2 △5287
48 Myers Margt E Mrs ◎ 5 △698
49 Feldsine Wm C ◎ 5 △5863

**LOWN COURT—From 57 Forbus south to 27 College av**

3 Wolpe Harry ◎ 5 △5024
5 Stokham Burton I 2 △2121
7 LaDue Geo I ◎ 5 △5231
9 Pawling John D 5 △5376W
10 Cassese Chas J 4 △2458
11 Reick Gerald S 3 △6189
12 Kaman Frank J ◎ 3 △4397
13 Matteson Harry D 3 △1017
14 Naylor R Clement ◎ 5 △5593J
15 Boesch Moritz C 5 △2045J
16 Macdonald Donald C 4 △5593M1
17 Zimmerman Frank A ◎ 4 △4363
18 D'Engenis Dominic J 2 △1090
19 Rosenthal Lloyd L ◎ 3 △2976R

**MacDONNELL HEIGHTS ROAD (Arlington)—From Dutchess Turnpike opp James south to Eileen blvd**

ws Witherwax Norris ◎ 5 △867W
es Vacant S R

**MACK RD—From 15 Fountain pl east to 18 Worrall av**

1 Becker Roland C ◎ 6 △2768R
2 McNamara Jos T ◎ 2 △135W
3 Davis Lewis 3 △135R1
4 Sotanski Henry 6 △4987J
5 Whalen Mary E Mrs ◎ 3 △135J
6 Eighmie Dorland 4 △135M
7 Wasserman Irving 4 △4290W
8 Baratta Raymond C 4 △4290R
9 Frank Frances C Mrs ◎ 4 4987W
10 VanBreda Christopher H 3 △1117
11 Birkenmeyer Oscar J pntr ◎ 2 △4044W
12 Voelker Jos G 4 △4290M
13 Bush Walter G ◎ 2 △5411W
15 Schneyer Edw ◎ 3 △3465
17 Crispi Francis G ◎ S △4527
18 DeVine Nelson R D ◎ 2 △3766R
19 Barnes J Stanley ◎ 2
20 Chalker Robt G 2 △3298
22 Hansman Freda E Mrs ◎ 2 △3766W
27 Davis Jas E ◎ 3 △6747

**MAIN — East from Hudson River to Junction Pleasant Valley rd and Manchester rd (Arl)**

Sinclair Refining Co bulk plant △1211
1 Vacant
3 Hudson River Day Line △1173

**Front begins**

20 Talbot Jas F restr ◎ 2 △1524
23 Vacant
25 Myer Saml jr restr △3732

**North Water begins**
**South Water begins**

35 Johnson J D Co Inc plmbg sup △962
rear Feuer Transportation Inc △782
40 Daughton Jennie L Mrs 2 △5350
41 N Y Central System △6474
W U Tel Co
Emmett Louis shoe shiner
Union News Co

Building—Con
Railway Express Agency Inc 12
VanBenschoten Motor Cab Co △1220
Union News Co Restaurant
52 Billen's Taxi △351
53 Lumb Woodworking Co Inc △1670
54-58 Poughkeepsie Plumbing Supply Co △2816

**Harris intersects**

62 Urban John S furn rms ◎ 4 △3184J
64 Dasenbrock John 3
65 Epstein Louis leather goods △3377
Rinkle Angie Mrs 7
67 Rinaldi Louis restr ◎ 6 △5655
85 Central Tavern △6642
Talaber Frank 3

**Davies pl begins**

86 Sullivan Mary Mrs 4 △4446
DeMichiel Peter 4
Noll Vera 3 △2216M
87 Vacant
88 Sucato Carlo 5
Mosher Helena Mrs 5
Lane Raymond W 5
Davis Silas C 5 △6659W
Square Amusement Co △5710
90 Stickel Anna L Mrs 1 △1591
Stickel F Lester 5
Galisten Harry 2
Vitelli Jos L 5
Cerniglia Giusto 3
Galisten Harry 2
92 Gloede Sign Co
96 Brown Derby The restr △2911
Beltran Germond 3
Severino Jas T 3 △5537
Dakin Peter 4
VanOppens Aug G 3 △3682

**N Clover begins**
**S Clover begins**

97 Barone Rosaria Mrs liquors △794
98 Millman Jos ◎ 3
Millman Rose Mrs paints △5674
Humphrey Alida M Mrs 1
99 Washburn Robt P cigars △1177
Clover Tavern △4912M
100 Fox John 3
100½ Vacant
101 Burlingame's Furniture Exchange △2634J
Burlingame Geo 6
102 Stanton Raymond H 3
Callaghan Alice Mrs 7
103 Guglielmo Antoinette Mrs drsmkr
Guglielmo Giuseppe 3
104 Merkle Herman L ◎ 1
Thomas Jas 7
Ostrom John 2
105 Melhado Theo D 3 △1506M
106 Empire Grill △1801
Murphy Edw F 4 △1108R
Rising Morgan H 8
Chippini Lawrence 4
107 Scarlata Jos barber
108 Palmer Chester confr 2
Hampe Pearl A Mrs 4
Rosenberg Jos ◎ 2
109 Dorland Marie C 1
Roth Emil J 4
110 Flewelling Reginald H hdw specialties △593M
Dellolio Saml 4 △2457J
Martin Eva Mrs 1
DeFrance Ralph 3
111 Mancini Frank meats ◎ 4 △4782
Hedricks John A 6
112 Roig Chester A vet surg △401
Iannini Louis shoe repr
Sackett Ralph K 4
Shipp Margt Mrs 2
113 Wekrmann Chas 9
Scurco Peter 4
114 Empert Stephen J 3
Cascio Salvatore 4
Lennox Jas 8
115 Dutchess Tavern △3233
116 Abramsky Morris furn rms ◎ 7 △2457M
117 Lemerond John 4
Thorne Grace L Mrs 2
VandeMark Kenneth M 4
118 Vacant
119 Ostrom Geo W 5
Rieser Frank & Son jwlrs
Meddaugh Theron W 4
120 Vacant

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# MAIN ST 1942



PHONE 324 FOR UNDERHILL'S COAL
EST. 1882 100 PARKER AVE.

122 Ulrich Vincent J 2
Household Furniture Store
Diamond Jas J 2
Heller Max 2
Angalone Anthony 2
Greco Saml 2
Ferris Stephen pntr 5

123 Wetmore Katherine T 1
124 Lazarowitz Fannie Mrs gro △3949
Lazarowitz Max 3 △3949
Iannone Giovanni B 3
125 Wetmore Fred G beer ◎ 1 △4063
Burger Wm J 3

**N Perry begins**

127 Gt A & P Tea Co
128 Bronx Fruit Market △2993
129 Burger Wm cigars
Ruffini Vincent shoe rpr ◎ 1
Puff Geo 1

**S Perry begins**

130 Krieger Ida F W Mrs drugs △1690
131 Shelipsky Hyman shoes ◎ 3 △958M
Lefkowitz Harry 2
132 Superior Cleaners & Dyers
Daley Dorothea Mrs 2
Masten Anna Mrs 4
133 Abdoo Jos gro △3041
Kimlin Pearl Mrs 3
Moseby Frank 2
rear Briehof Jos F 4

134 Pete & Jim's barbers
Heybruck Carl F 5
Kortright Alf F 8
135 Watts Eliz Mrs second hand clothing
Meddaugh Theron H 3
Merritt Russell A 6
136 Nicolis T & Son plumbing supplies △6410
Dziuban Jos S 3
Pasquarella Pasquala 3

137 Arico Anthony J 3
Guglielmo D & Son gro △5448
Merritt Howard W 4
138 Sherman Fredk T 4
Bennett Harry 6
Cary John T 4
Elletson Saml C 3
139 Cushman's Sons Inc bakers △6088
Guglielmo Dominick 8

140 Vacant
141 Halstead Catherine E Mrs 2d hd clo 1
141½ Vacant
142 Lazar Louis variety 1
Jones Nelson A 5
VanNosdall Wm 8
143 Cole Chas R 11
Poughkeepsie Mattress Co △5033
Morrison Wm M 8
Shook Wesley E 6
144 Rubin Barnett glass △1592
145 VanRensselaer Walter A taxidermist 1
146 Tocci Bettie Mrs second hand clothing 2
Ostrander Mae 1
Kellerhouse Worthy B 2
147 Levine Louis second hand furn 1
Cartwright Chas E 6
Deger Frank E 7
Empert Steph 7
Palmer Bertha Mrs 5

148 Schlude's Geo Sons furn and funeral directors △368
Zimmer Minnie 3
Rider Rubin 3
149 Western Meat & Poultry Mkt △5218
Baker Thos J 9 △2230
Saricelli Genaro 9
Traver Cora L Mrs 1
151 Savoy Restaurant △5440
151½ Young Sing Indry 1
153 Clark Blanche Mrs 1
Abdoo Jos 2
Blaufarb Max gro △5899
154 Spinelli Anthony fruit △3854
Mason LeRoy 2
Pattey Jos M jr 4

155 Village Tavern Restaurant △5926
Steel Patk J 2
Albano Lucy Mrs 1
156 Felice Philip 6
Owen E Jay 3
Kirchner C & O meats △140
157 Baker Alex S 4
Lay Viola Mrs 4

158 Whittaker David A 2
Chambers Julian A 3
159 Venezia Italian Restaurant △4355
Cerzosimo Antonio ◎ 5
160 Haber David bicycles ◎ 7 △1920
Piazza Jos 4

161 Economy Shop plmbg supplies
Chapman Edw W 5
Pelish Martha Mrs 2
162½ Popular Smoke Shop
Bonahue Thos C 2
163 Italy Commercial Co gros
164 Levinsohn Arthur drugs △4875

**N Bridge begins**

**S Bridge begins**

172 Washington Belmont Hotel ◎ △3782M
Scheer Simon ◎ 2 △3782M
173 Taub David dry gds
Mastrocinque Jos 4
Peattie Maurice F 2
174 Reliable Furniture Store △1952
Wiley Anna M Mrs 2
Hewitt Florence M Mrs 2 △3782R
175 White Tile Lunch △6297
176 Rock David whol paper △19
177 Vacant
178 Standard Wholesale Co paper △6868
Lovell Herman 2
179 Capitol Bakery △4577
Rosen Hyman 4
180 Vacant
181 Cruger Anastasia E Mrs 2 △1873R
Tudor Grill △3794
Cady Elijah A 3 △3134
182 Heiman David tailor 2
Seaman Geo B 1

184 Regal Merchandise Co Inc hardware △462W
Diamond Louis 1 △462W
Powers Wm J 3
Stein Sarah Mrs ◎ 1 △4074M
186 Canter Harris men's furngs 5 △854W
Andreakos Jas 3
Seeley Robt M 2
187 Blutinger Saml 3
Jackson Emily Mrs 3
rear Vacant
188 Vona Saml 3
189 Casimero Casimer 9
Nador Jos 5
190 Pinello Jas J barber
191 Jaeger Printing Co △310
192 Hues Fred H 9
Cross Harold A 2

**Vassar intersects**

193 Vassar Bros Home for Aged Men △1706
194 Cecchini Arthur V 3
McGrath Jas V 2
Davan Jos J 3
196 Davis Morris A mattress mfr △3609
Marra Clara Mrs 3
Engiwiller Vincent 6
197 Murdusky Chas 3
Chapman Hattie Mrs 3
Haupt Sophie K Mrs 2
Dow Mabel A Mrs 2
198 Marcus Jas ◎ 5
Royal Cleaners & Dyers △462J
199 Avalear Mathias second hand furn 1
200 Sachs Abr 8
201 Strippoli Paul confr △3485
Balga Anthony 4
Burdi Octavia 4
Alepacki Rose Mrs 2
Nelson John L 2
Buschbaum Geo 2 △6069J

| Target Street | Cross Street | Source |
|---|---|---|
| ✓ | - | Polk's City Directory |

# MAIN ST 1942



**MAIN ST**—Con

202 Cohen Max pawnbroker 3
Price Katherine Mrs 3
Lesick Michl J 2
Nuzzi Mary 5
Dembrowski Julius 3
203 StGermain Gilbert J 5 △2209M
Lescsak Steph H ◎ 2 △4835W
Sperling Regina Mrs dry gds
203½ Weinberg Max G hdw
204 Dutchess Home Improvement Co roofers △5034
△5034
Stuart Harold F 2
Stuart Nellie M Mrs notary △5034
Felter Emeline Mrs 1
Burke Edw P 3
Zeitsoff Harry R 2
205 Lynch Kathryn E 8
Whalen Gertrude F Mrs 5
Slater Mary L nurse
206 Canter Jacob 2d hand furn
Schnedier Albert 3
Weber Wm 2
207 Mid-Town Grocery △4324
Leonard Edw A 2
209 Drew Calvin C 2 △2251M
Printing House of Harmon △6660
Englehardt Kate 2
209½ Friedman Edw shoe repr
210 **King's Apartments**
Pruter Wm F supt 3 △1236J

Apartments:
1A Price Nettie C Mrs 3
1B Doerr F H 1
1D Vacant
1E Vacant
1F Smyle Norman C 2
1G Chickering Angelo B 2
1H Spielman Azella Mrs 1
1J Dalsimer E Margt Mrs 1
1K Yousey Wm C 2
1L Paroli John 2
1M Vacant
1N Vacant
2A Rhinehart Edw A 3
2B Cullen Edw K 3
2D Card Geo H 2
2E Murray Irene K Mrs 2 △2235
2F Tarantous Richd 2 △4938W
2G Haas Morton D 1
2H Eagan Gertrude C 1
2J Axtell Iona M 1
2K Kennedy Kath A 2
2L DelRoss Edw S 3 △6095J
2M Weinberg Max 2 △4154M
2N Dexheimer A L 1
3A Gilleran Gertrude M 1 △7056
3B Belton Mary E I 1
3D Bircher Herbert H 2 △817W
3E Gorst Clapton E 2
3F Schlossberg Irving 1 △6573
3G Millard Albert L 2 △6712
3H Victor Geo 1
3J Schutz Wm B 2
3K Solomon Tobias 2 △4154R
3L Cole Philip 3
3M Vacant
3N Vacant
4A Maginnis Wm G 2
4B Pflughoeft Edwin W 2
4C Woolston Howard F 2
4D Brezinski Geo 1
4E Vacant
4F Shirley Francis R
4G Laufersweiler Geo 2 △5676
4H Boone Lora F 1 △3047J
4J Mahnken Eliz Mrs 2 △1236M
4K Kerner Hyman 3
4L Vacant
4M Vacant
4N Boland Edw P 2

**Street continued**

211 Pakula Isidore dry gds △2944M
213 Half Moon Grill △4185
Smith Harold 11
Burger Harry R 6
Buechele Chas 1
Diamond Jacob 2
215 Roedell Jos K 3 △2028M
Salvation Army Social Service Store △3826
Meier Geo restr △5919
Burke John J 2
Mazzillo Carlo 3
Monroe Walter E 3
DeCheck Jack J 6 △2848J
Butler Gerald J 4 △1427J
216 Salvation Army Citadel △4224
Escott Robt 6 △4224
217 Merchants Parking Station
218 Mike and Henry Restaurant △3959
Ranco Michl J 5
rear Vacant
219 Green's Tillie Corrective Shoe Shop
Hubbard Alice D Mrs 1 △2848W
Judd Christian 2
Schwartz Tillie Mrs 2
220 Lutsky Barnett men's clo 1 △5257J

Apartments:
1 Vacant
2 Giveans Dorothy 1
3 Munson Gertrude Mrs 1 △3583
4 Phillips Alice M Mrs 1
5 Vacant
6 Vacant
7 Vacant
8 Fratz Florence A 1
9 Barbero Rose 1
10 Brown Jos 1
11 Seyer Wm 1
12 Osborne Hattie Mrs 1

**Street continued**

**Little Washington begins**

221 Twentieth Century Grill △1095
Meade Hazel M Mrs 3
Marlin Edbert C 2
222 DeBellis Music Studio △2312
rear Storage
222½ Vacant
Slote Wm M liquors △3737

224 **Strand Apartments**

Apartments:
1 Sands Wm J 1
1A Kimbark Wm J 2 △5433
1B LaRue Jesse 4
2 Allen Howard 2
2A Mapes Elmer L 2
2B Holly Myra W 1
3 Vacant
3A Smith Inez B 2 △5406J
3B Case H 1
4 Meade H
5 Wolff Esther H 1 △3361R
6 Lextrom Arvid F 3
7 Baxter R
8 Marrow E
9 Layton R
10 Vacant
11 Pappas Alex 1
12 Vacant
14 Vacant
15 Delaney Martin 2
16 Vacant
17 Albrecht J
18 Spellman H 1
19 Kessegiue Ida Mrs 2
20 Estrada Manuel 2
21 Vacant
22 Germond Wm E 2
23 Terwilliger F
24 Vacant
25 Bartholomew F
26 Yost Chas C
27 Pink G
28 Sprouse H
29 Kilfoil Sallie Mrs 1
30 Vacant
31 Goodrich A
32 Vacant
33 Espie R 1
34 Killian Madeline Mrs 4
35 Bernasconi A
36 Vacant
37 Moshier Danl L 1
38 Vandemark Viola 2
39 Vacant
40 Pidel V
41 Lown Walter H 2
42 Fitzgerald J 1
43 Youngman Floyd G 1 △5635J
44 Smith R
45 Vacant
46 Nassar S
47 Convery Madeline J 1 △4154M
48 Vacant
49 Decker R
50 Cochrane J C
51 Winslow K
207 Vacant
208 Beasley Donald D real est △5433
Strand Bldg Corp ◎
302 Kolb Richd F Jr 2
304 Flint Susan 1
307 Lattin Louis 4
309 Glassford Mildred

**Street continued**

| Target Street | Cross Street | Source |
|---|---|---|
| ✓ | - | Polk's City Directory |

# MAIN ST 1942



224½ Strand Food Market △1190
226 **Strand Building**
Leo Geo E confr △5946
State Theatre
**Little Washington begins**
227 Gross Max drugs △1742
228 **Municipal Building** △1811
City Hall △1811
**City Hall pl intersects**
229 State Studio photog △2426J
Poughkeepsie Loan Office pawn brokers
231 **Moore Building**
Art's Smoke Shop △5755
Brassett Tracy 4 △5951M
Hazard Grace O comr of deeds
Conklin Earl D 2
Bolin Gaius C lawyer
Bolin Gaius C jr lawyer △2096
Little Dress Shoppe
Hansman Pralow & Winter printers △839
232 Crockett Davy Hook & Ladder Co No 1 △6340
233 Fields-Twenty-Two-Fifty Stores Inc men's clo △1334
Quality Meat Market △4650

Apartments:
9 Billings Edw E 3
10 Wong Frank 1
11 Swan Marion E 1
12 Rose Harry 4
13 Williams Fred 2
14 Friedman Abr ◎ 2

**Street continued**

234 **Dale Building**
Western Union Telegraph Co △2392
Lansing-Broas Printing Co Inc △88-89
Lansing Irene E notary
Main-Union Corp real est △88

Rooms:
201 Howard Frank B coml adv △606
205 Betros Geo A lawyer △2010
208 Connolly Frank J lawyer △3363
214 Mack John E lawyer △5300
Mack John E jr lawyer △5300
Dean G Vincent lawyer △5300
Vincent Stanley M lawyer △5300
LeHan Clarence M lawyer △5300
Mack Edw J lawyer △5300
301 diGennaro Vincent lawyer △988
Steinberg Aaron lawyer △983
Haven Milton M lawyer △988
Mahar Thos D lawyer △988
Mahar Geo V lawyer △988
304-315 Vacant
315 Schofield Normington lawyer △4113
Sullivan Danl L jr, lawyer

**Street continued**

235 New China Restaurant
Sing Mark 3
Central Restaurant △4657

**Apartments:**
1 Hutton Dora Mrs 2
2 Remus Juanita Mrs
3 Vacant
4 Vacant
5 Hayes Jos 3
6 Miller Gordon T
7 Burr Francis X 3 △6622R
8 Hammes Dulus E 2

**Street continued**

235½ Court Cafe △3543
236 Poughkeepsie Trust Co △800
**Trust Co Building**

Rooms:
202 Guernsey Raymond G lawyer △925
King Beatrice T notary
Butts Chas A lawyer △925
308 Marshall & Sterling Inc ins △3271
Vail Fredk W ins △3271
309 Hey Emery J lawyer △77
Harcourt Herman N lawyer △77
310 Guernsey Homer W real est △2080
414 Free Employment Agency △3250
Mfrs Assn of Poughkeepsie △3250
416 McLaughlin W J & Co investments △3380
417 Vacant
419 Poughkeepsie City of Rationing Bd △5711
Folger M Glenn lawyer △2360
Aspbury Jas T lawyer △2360
McCullough David G lawyer △2360
Kovacs Edw J lawyer △2360
Schwartz Edw A office △2360

**Street continued**

237 Arlington Billiard Academy
Arax Photo Studio △786
Jack's Cigar Store △2156
239 Schwartz Abr ladies' wear △3842
240 United Cigar Stores Co △1172
241 Main Market Drug Co Inc △5103
**New Market begins**
242 Crispycorn Shop confr
244 Ormond Hosiery Shop
246 Feinstein M jwlr
248 Spencer Shoe Stores Inc
249 Satz Cigar Stores △3926
251 Leo & Amato cigars △5552
Traver Harvey J 2
Cody Mary R Mrs 1
252 Harry's Youths' Toggery △4931
**Market begins**
253 Vanitie Beauty Shoppe △4913
255 Arcade Florists Inc △3160
256 Rodin Harry clo △1358
257 Joseph's men's furngs △660J
Dutchess Employment office △1125
Higgins John W 2 △853J
Mid-Hudson Adv Agency △853J
259 Schoenbrun Geo F lawyer △636
Ciolko Wm J lawyer
VanKleeck's Frank men's furngs △4122
Dutchess County Collecting Agency △636
Lavery Chas I ins △6470
DeFelice Carmela C notary
Rieser Paul A lawyer △6470
Bradshaw Helen M Mrs notary
Bloom Chas S ins △6470
Eckert Jennie Maar
Burdick Arthur W 3 △647
260 Bauer's Shoppe Inc dresses △5157
261 Siegel's Jack clo △659
Odd Fellows Hall △1830M
Triple Link Club
264 Russell's clothing △6193
265 Biltmore Hotel △5069
Barnett Harry 20 △5069
Marks C & S Shops Inc men's furnishings △4584
267 Canton Restaurant The △1114
268 **Church Bldg The**
(For occupants see 11 Market)
269 Union Clothing Store △3471
Cinderella's Beauty Shoppe △5534
Jacobson Martin 2 △5534
270 Allen's Sportswear
271 Blanchard John W optometrist △367
Fitchett's stationers △143
272 Theresa Bake Shop △3503
273 Antonakos Peter restr △5268
Tuttle Robt F 3
Dickinson Martha Mrs 2
Antonakos Peter 4
274 Rudolph Bros Inc jwlrs △4818
275 Rialto Theatre △793
276 Mack's Cut Rate Store △2611
277 Siring Bros rubber gds △1856
278 Poughkeepsie Up-to-Date Co Inc The ladies' wear △1269
Queen City Bowling Alleys △4885
279 Andrews J E Hardware Co Inc △3140
Barber Byron L notary
280 Newberry J J Co dept store △739W
281 Terry's men's furngs △1212
283 Artcraft Yarn Shop △2560
Morgan Robt W dentist △5393
284 Kings Cotton Bar women's clothing △2050
285 Merchants National Bank & Trust Co △5600
286 Berger Hosiery Stores Inc
Mart The dresses
**Wood la intersects**
288 Labrinos Peter Inc confr △262
Peter's Sweet Shop △262
Grace's Beauty Shop △4767
289 Slote A & Sons clothing △6596
290 National Shoe Store △5659
291 White Morris C jwlr △6541
292 Perlberg David optometrist △6048
293 Brauhaus Little restr △5653
**Garden begins**
294 Miles Shoes Inc
295 McAn Thom Shoe Store
Helene's Beauty Shoppe △4399
G A R Hall
Heitman Henry acct
Grimm Henry J barber
Letchmen Maude H 2
Lake Mary E Mrs 7 △3170W
296 Whelan Drug Stores △5027
**Liberty begins**

| Target Street | Cross Street | Source |
|---|---|---|
| - | ✓ | Polk's City Directory |

# N PERRY ST 1942



**W. W. LUCKEY**
Successor to Frost & Luckey
**General** RICHARD W. PERKINS, Associate **Insurance**
FOUNDED 1825
**10 Garden St.** **Phone 1228—1229** **Poughkeepsie, N. Y.**

30 Ackerman J Sebring ◎ 6 △745J
Jacoby Jane E Mrs nurse
31 Metzger Geo C ◎ 3 △4344
32 Wilkin Harvey B ◎ 5 △3150W
33 Walsh Jos E ◎ 4 △4848J
35 Marian John P 5 △846
36 Marx Henry J ◎ 3 △6637
37 Morgan Martin V B jr ◎ 4 △4969W
Morgan Helen J nurse
38 Angevine Clinton trucking 3 △745W
39 Townsend Elbert W 5 △4267
40 Burch Paul R ◎ 5 △4969M
41 Doughty Sadie M Mrs ◎ 2 △4969R
42 Perkins Harry O 5 △4969J1
44 Bickel Arlina C Mrs ◎ 3
48 Balcanqual John ◎ 3 △2515M
50 Vizino Harold C 3 △4848R1
56 Carlon Frank J 4 △3858W
60 Jago H Duncan ◎ 3 △2515J

**PEACH RD (Arl)—From N Grand av near township limits easterly**

**PECKHAM RD (Arl)—From Dutchess Turnpike, nr NYNH&HRR Bridge, south to Overocker rd**
es Baker Jas R 4
es Avery Francis ◎ 5 △1133W
es Robinson Otis ◎ 10
es Silkworth Geo ◎ 4 △4549
ws D'Angelo Frank ◎ 7 △1584J
Raciti Michl 4 △4264M1
ws Barrett Bernard 6
es Tomlins Irving R 5 △3156M
es Ireland Chester ◎ 3 △3866M
ws Witt Wm H 2
es Taufer Mary J Mrs 1
ws Carson Josiah ◎ 2
es Knapp Harry ◎ 4
es Robinson Roswell ◎ 3
ws Babcock Wilfred ◎ 5
ws Cary Carlton 2
es Ollivett Edw H 2 △1584R1
es Riggs Martin 3
ws Burgess Andrew 2
ws Savio Thos J 4
Benson John H 3
ws Robinson Claude T 3
ws McCormack Thos 3
ws Bailey Louis M 2
Rieser Helen M Mrs gro
Rieser Jos T 3 △1696J
**Williams rd begins**
ws Schneller Franc's J 5 △3062
ws Zimmer Alex ◎ 3
es Baker Herbert W 3
es VanBenschoten Walter P ◎ 4
ws Bacu Ice & Fuel Corp yard △1795
Bacu Ice Service Corp plant △1795
es Gorman Vincent A ◎ 3 △2001
ws Bushnell Raymond H bldg supplies △2789
ws Vacant

**PENDELL RD (F)—From opp 36 Violet av east to Creek rd**
ss Taylor Edmund G 2
ss Leonidoff Aleksei A ◎ 4 △5840
ss Kupetz Jos ◎ 2
ns Williams H StJohn 3 △2948
ns Bowne Saml W Memorial Hosp △2566
Bowne Saml & Nettie Hosp △2566
ss Wyatt Clarence O 2
ss Paquet Paul F ◎ 7 △2411
Paquet Jos G
ss Portman Henry N ◎ 5
Haight Edith M Mrs 2 △6185J
ns Sherwood Gilbert 3

**PERRY N—From 131 Main north to 166 Mill**
3 Velie Mary E Mrs ◎ 1 △4685J
6 Biscardi Peter 5
Selley Veronica A 1
7 Sickler Sylvester 7
Minnetto Wm 6
Staffa Louis F 6
7½ Andrews Coal Co △2580
8 Gibbons Thos 5
9 Hustis Danl 1
Farley Saml W pntr 7 △1456J
10 Vacant
12 Taylor Jacob 2
Royal Grace Mrs 3
Franklin Lillian 1
14 Williams Fate 5
15 Poughkeepsie Live Poultry Market △552
16 Nicholis Anthony ◎ 6
McGann Geo R 7
Feolo Pairde 9
18 Colucci Angelo 9
Longobardi Jos 9
Nicolis Saml 2
20 Botts Thos 3
Duke Alphonso 2
Brown Harold J 4
Hill Kelly 2
22 Holmes Anna M Mrs 2
24 Wolven Harry J ◎ 4 △3565
Wojiecichowski Julia Mrs 2
26 Kahn's Max Sons hides △958W
28 Boughton Jos M 5
Calhoun Danl 3
Cimorelli Agostino 11
Morris Chas E 3
Ferguson Peter 1
30 Bocchino Antonio 9
Cannon Lucy A Mrs 1
Donnelly Orviel J 3
32 Carson Frank 1
33 Holiness Church
Pitcher Washington 1
Richardson Virginia Mrs
Collins Genena Mrs
Burts Lovie Mrs 1
34 Jacobs Geo ◎ 7 △1456R
35 VanDemark Myron K 3
Abramsky Jacob B 7 △1404W
Pennes Pasquale 7
Pizzardi Salvatore 6
Meluch John J 6
Amato Rosario 5
35½ Vacant
36 Freeman Robt 3
Tuttle Lottie M Mrs 4
Lawrence Eliza 4
37 Lepore Vincenzo ◎ 5 △1989W
Parrilla Carolina Mrs 2
38 Mulholland Grace M Mrs ◎ 2
39 Babiarz Jos S 4
Benchek Julius 6
40 Nichols Fredk 9
Jones Primas 2
41 Myers Harry 4
Boddy Grenville L 5
42 Morse Marguerite Mrs 2
Watkins Jas 1
Watterson John 3
43 Veach Bertha Mrs 2
North Effie Mrs 3

**PERRY S—From 128 Main south to 157 Union**
1 Krieger Ida W Mrs ◎ 1 △1690
Kelley Jos F 4
2 Dalrymple Reginald R 8
Boyer Geo H 10 △1108J
Green Robt E typewriter repr 8
Gresch Benhardt J 6
4 Vacant
5 Halpin Jennie 2
6 Baumann Rose H 2 △2406W
8 Gantner Frank 1
Greco Fred 1
Hoover Florence 2
9 Epstein Sarah Mrs ◎ 2 △2406J
Burbas Wm 1
rear Vacant
10 Stokes Thos 6
Werner Fredk 5
Gumbinger Leo J 6 △5709J
12 Columbus Christopher School △2976J
15 Hunter Albert G ◎ 3 △5709M
Mangold Edwd 3
17 Becker Geo J ◎ 3 △5079W
Coon Milton C 5 △2228W

Admiral Halsey - New Construction

135 Main Street

Poughkeepsie, NY 12601

Inquiry Number: 5587159.3

March 12, 2019

# Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

# Certified Sanborn® Map Report

03/12/19

**Site Name:**

Admiral Halsey - New Construc
135 Main Street
Poughkeepsie, NY 12601
EDR Inquiry # 5587159.3

**Client Name:**

Hillmann Environmental Co.
1600 Route 22 East
Union, NJ 07083
Contact: Joanne Bedkowski

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**Certification #** 9DDD-4BC1-939C

**PO #** NA

**Project** G62423

**Maps Provided:**

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1952
1950
1913
1895
1887

Sanborn® Library search results

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## *Sanborn Sheet Key*

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

### 1990 Source Sheets


Volume 1, Sheet 10
1990


Volume 1, Sheet 15
1990


Volume 1, Sheet 20
1990


Volume 1, Sheet 21
1990

### 1984 Source Sheets


Volume 1, Sheet 15
1984


Volume 1, Sheet 20
1984


Volume 1, Sheet 21
1984

### 1952 Source Sheets


Volume 1, Sheet 10
1952


Volume 1, Sheet 15
1952


Volume 1, Sheet 20
1952


Volume 1, Sheet 21
1952

### 1950 Source Sheets


Volume 1, Sheet xxxx
1950


Volume 1, Sheet 10
1950


Volume 1, Sheet 15
1950


Volume 1, Sheet 21
1950

## *Sanborn Sheet Key*

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

### 1950 Source Sheets



Volume 1, Sheet 20
1950

### 1913 Source Sheets



Volume 1, Sheet xxxx
1913



Volume 1, Sheet 10
1913



Volume 1, Sheet 15
1913



Volume 1, Sheet 21
1913



Volume 1, Sheet 20
1913

### 1895 Source Sheets



Volume 1, Sheet 23
1895



Volume 1, Sheet 24
1895



Volume 1, Sheet 28
1895



Volume 1, Sheet 29
1895

## *Sanborn Sheet Key*

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

### 1887 Source Sheets



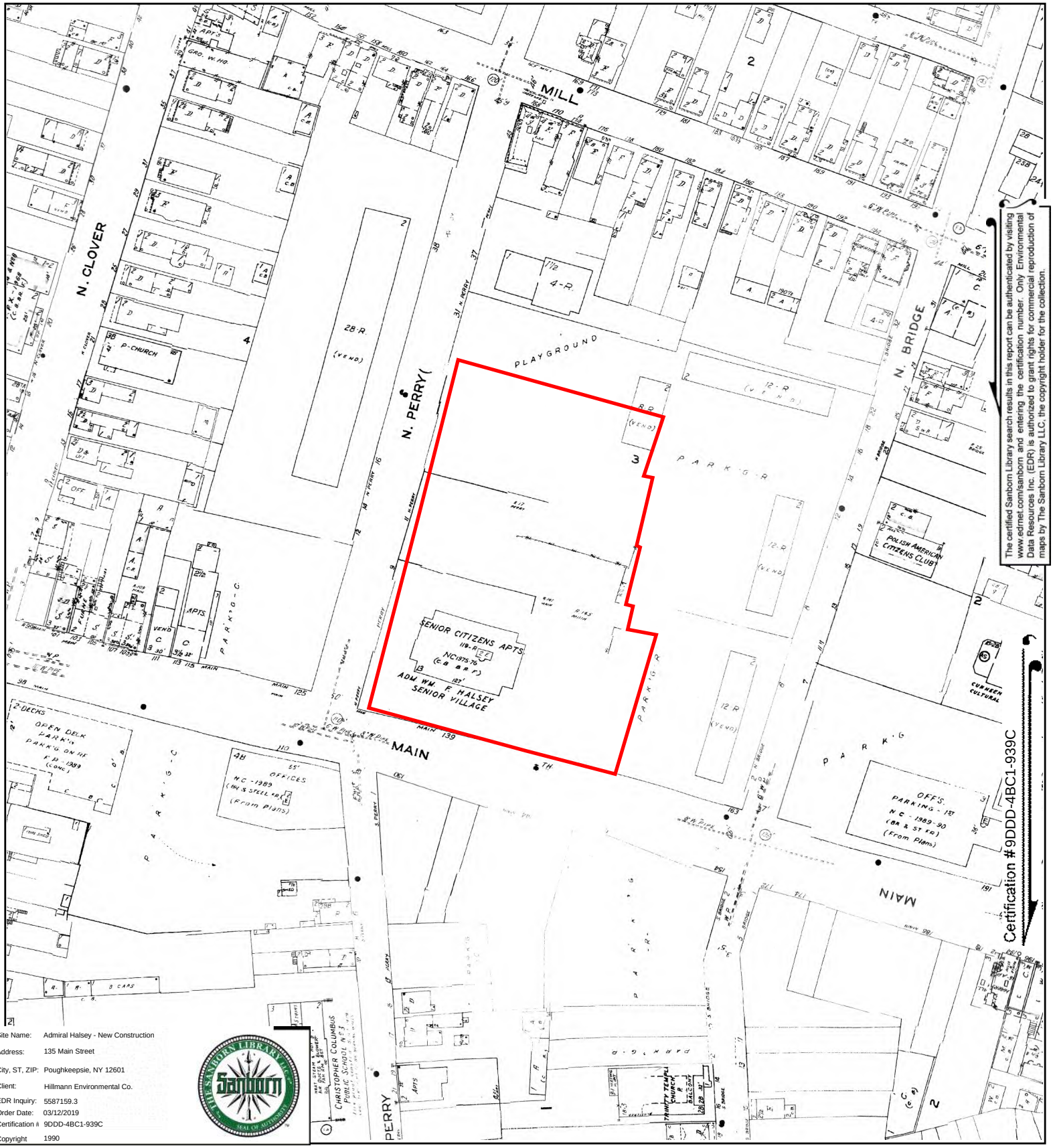
Volume 1, Sheet 7
1887



Volume 1, Sheet 14
1887



Volume 1, Sheet 8
1887




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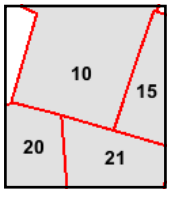
Certification #9DDD-4BC1-939C

| | |
|---|---|
| Site Name: | Admiral Halsey - New Construction |
| Address: | 135 Main Street |
| City, ST, ZIP: | Poughkeepsie, NY 12601 |
| Client: | Hillmann Environmental Co. |
| EDR Inquiry: | 5587159.3 |
| Order Date: | 03/12/2019 |
| Certification #: | 9DDD-4BC1-939C |
| Copyright | 1990 |

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600






Volume 1, Sheet 21
Volume 1, Sheet 20
Volume 1, Sheet 15
Volume 1, Sheet 10

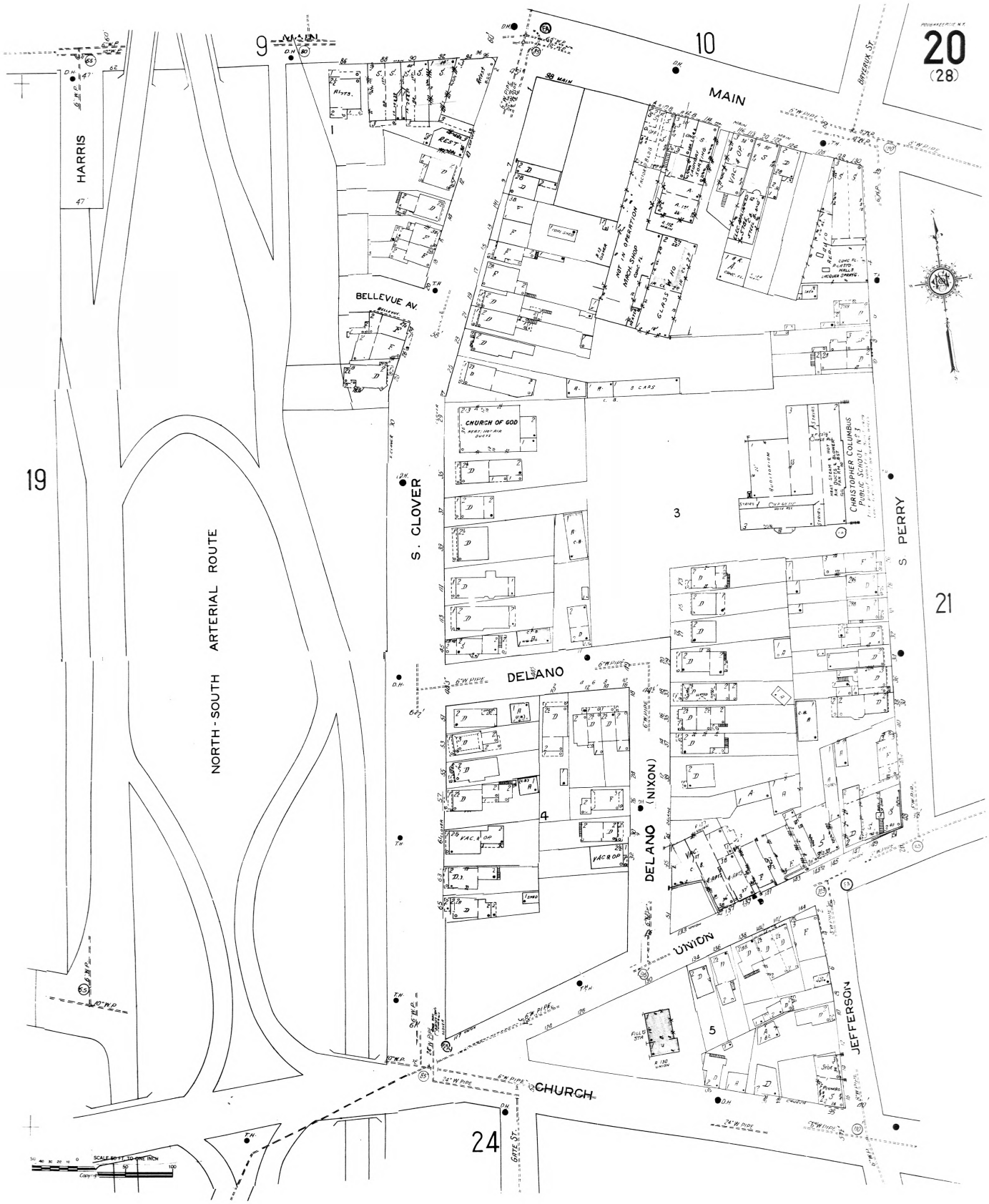
N




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| City, ST, ZIP: | Poughkeepsie, NY 12601 |
| Client: | Hillmann Environmental Co. |
| EDR Inquiry: | 5587159.3 |
| Order Date: | 03/12/2019 |
| Certification #: | 9DDD-4BC1-939C |
| Copyright | 1984 |




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Certification #9DDD-4BC1-939C

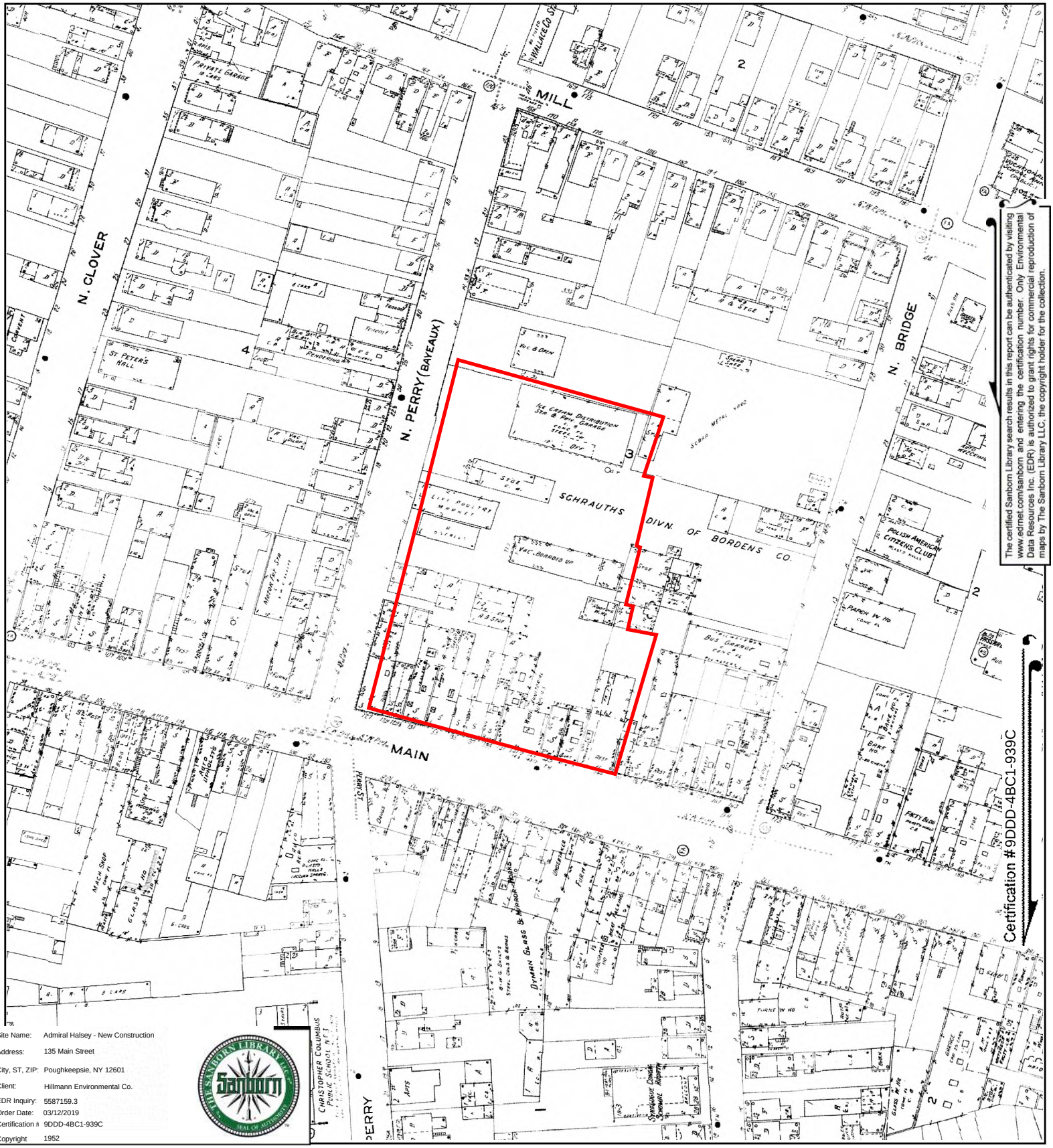
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| Site Name: | Admiral Halsey - New Construction |
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| Client: | Hillmann Environmental Co. |
| EDR Inquiry: | 5587159.3 |
| Order Date: | 03/12/2019 |
| Certification # | 9DDD-4BC1-939C |
| Copyright | 1984 |




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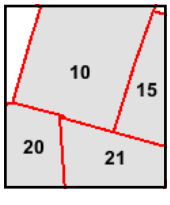

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| | |
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| Site Name: | Admiral Halsey - New Construction |
| Address: | 135 Main Street |
| City, ST, ZIP: | Poughkeepsie, NY 12601 |
| Client: | Hillmann Environmental Co. |
| EDR Inquiry: | 5587159.3 |
| Order Date: | 03/12/2019 |
| Certification #: | 9DDD-4BC1-939C |
| Copyright | 1952 |

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0 Feet 150 300 600






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Volume 1, Sheet 15
Volume 1, Sheet 10

N




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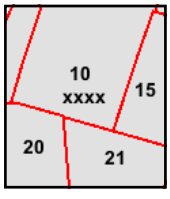
Certification #9DDD-4BC1-939C

| | |
|---|---|
| Site Name: | Admiral Halsey - New Construction |
| Address: | 135 Main Street |
| City, ST, ZIP: | Poughkeepsie, NY 12601 |
| Client: | Hillmann Environmental Co. |
| EDR Inquiry: | 5587159.3 |
| Order Date: | 03/12/2019 |
| Certification #: | 9DDD-4BC1-939C |
| Copyright | 1950 |

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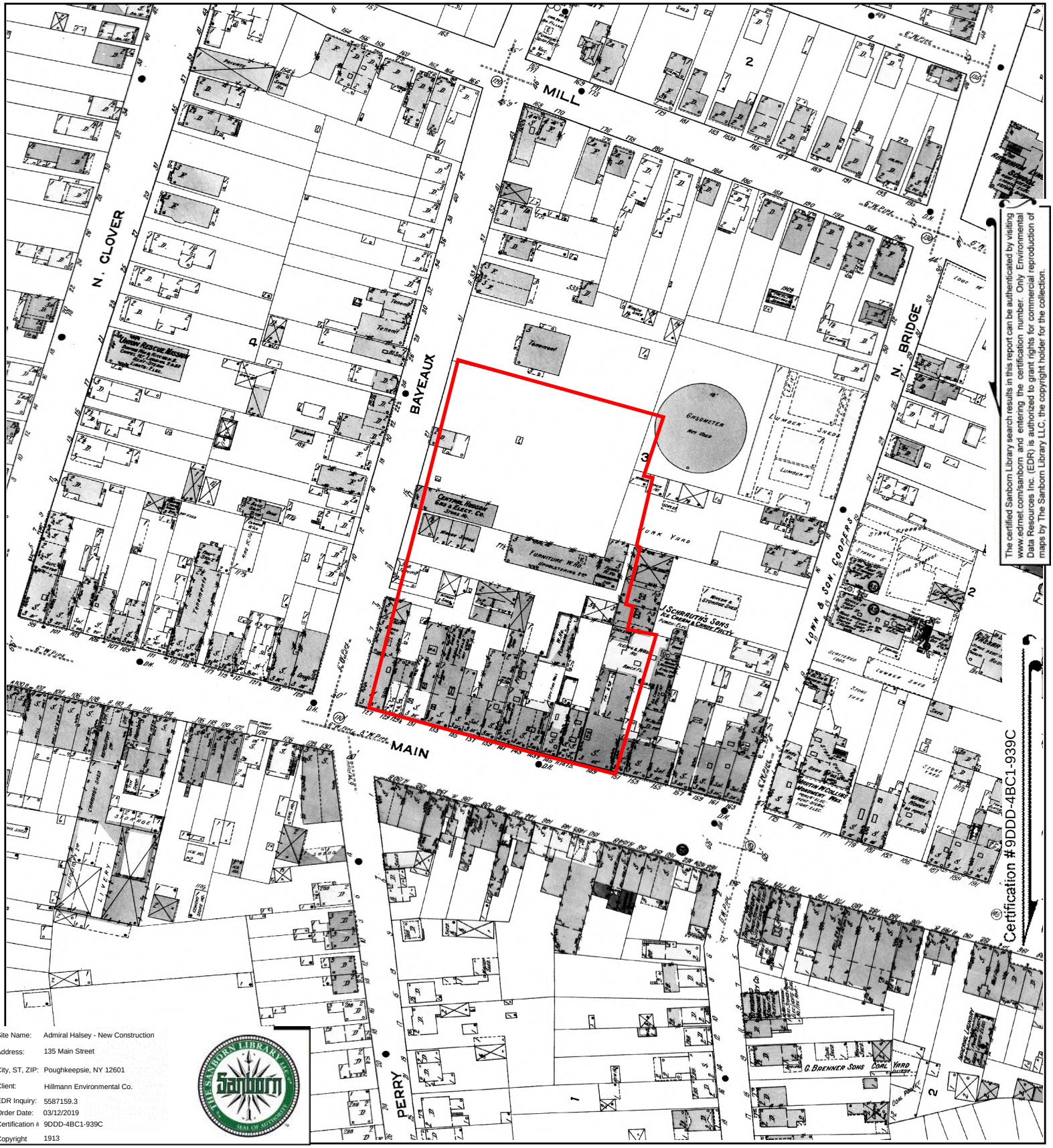
0 Feet 150 300 600






Volume 1, Sheet 20
Volume 1, Sheet 21
Volume 1, Sheet 15
Volume 1, Sheet 10
Volume 1, Sheet xxxx

N



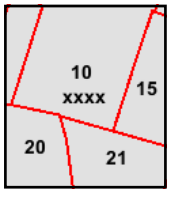

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| | |
|---|---|
| Site Name: | Admiral Halsey - New Construction |
| Address: | 135 Main Street |
| City, ST, ZIP: | Poughkeepsie, NY 12601 |
| Client: | Hillmann Environmental Co. |
| EDR Inquiry: | 5587159.3 |
| Order Date: | 03/12/2019 |
| Certification # | 9DDD-4BC1-939C |
| Copyright | 1913 |

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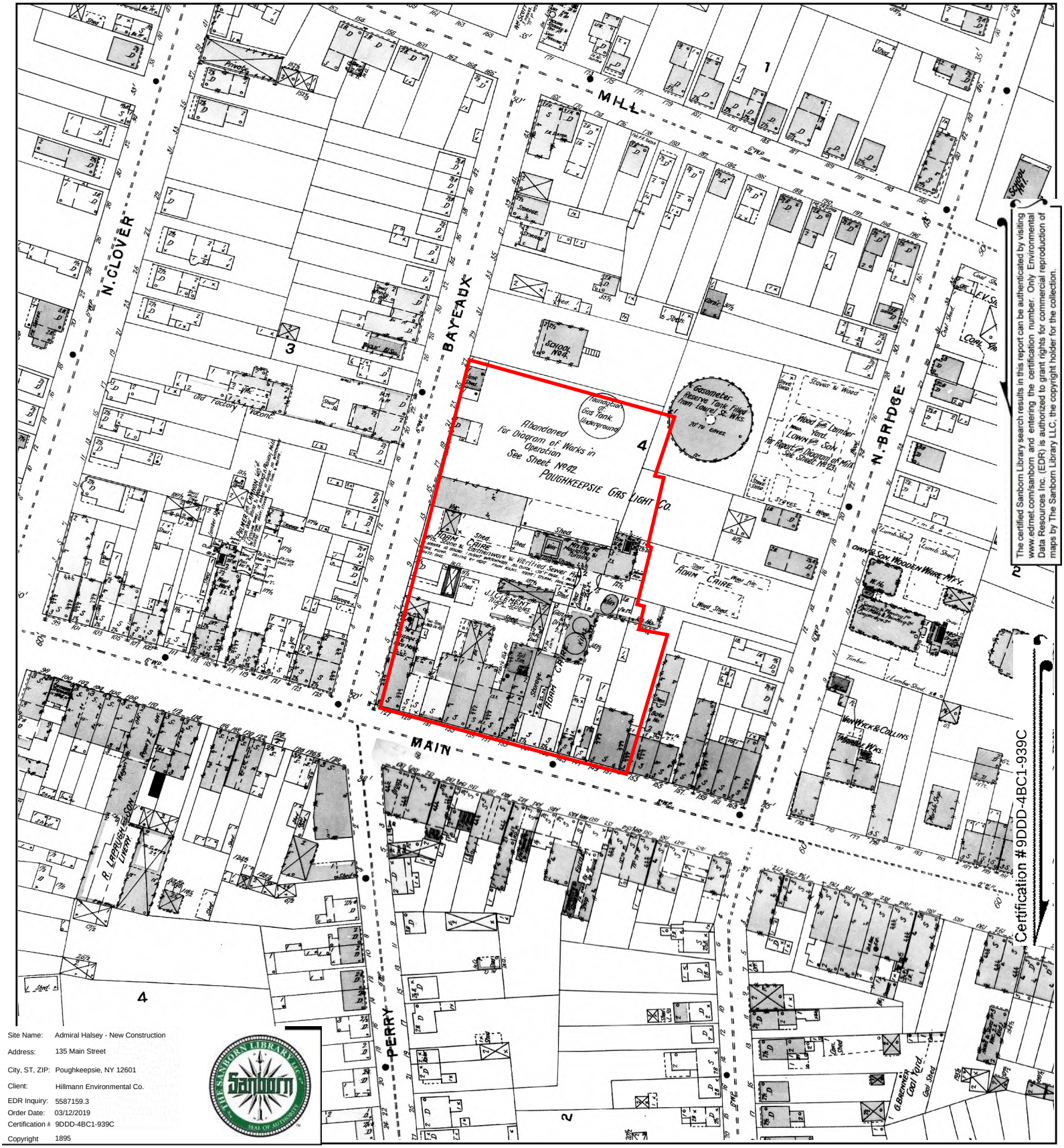
0 Feet 150 300 600






Volume 1, Sheet 20
Volume 1, Sheet 21
Volume 1, Sheet 15
Volume 1, Sheet 10
Volume 1, Sheet xxxx

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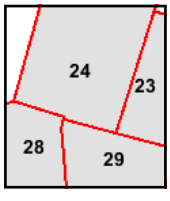

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| | |
|---|---|
| Site Name: | Admiral Halsey - New Construction |
| Address: | 135 Main Street |
| City, ST, ZIP: | Poughkeepsie, NY 12601 |
| Client: | Hillmann Environmental Co. |
| EDR Inquiry: | 5587159.3 |
| Order Date: | 03/12/2019 |
| Certification # | 9DDD-4BC1-939C |
| Copyright | 1895 |

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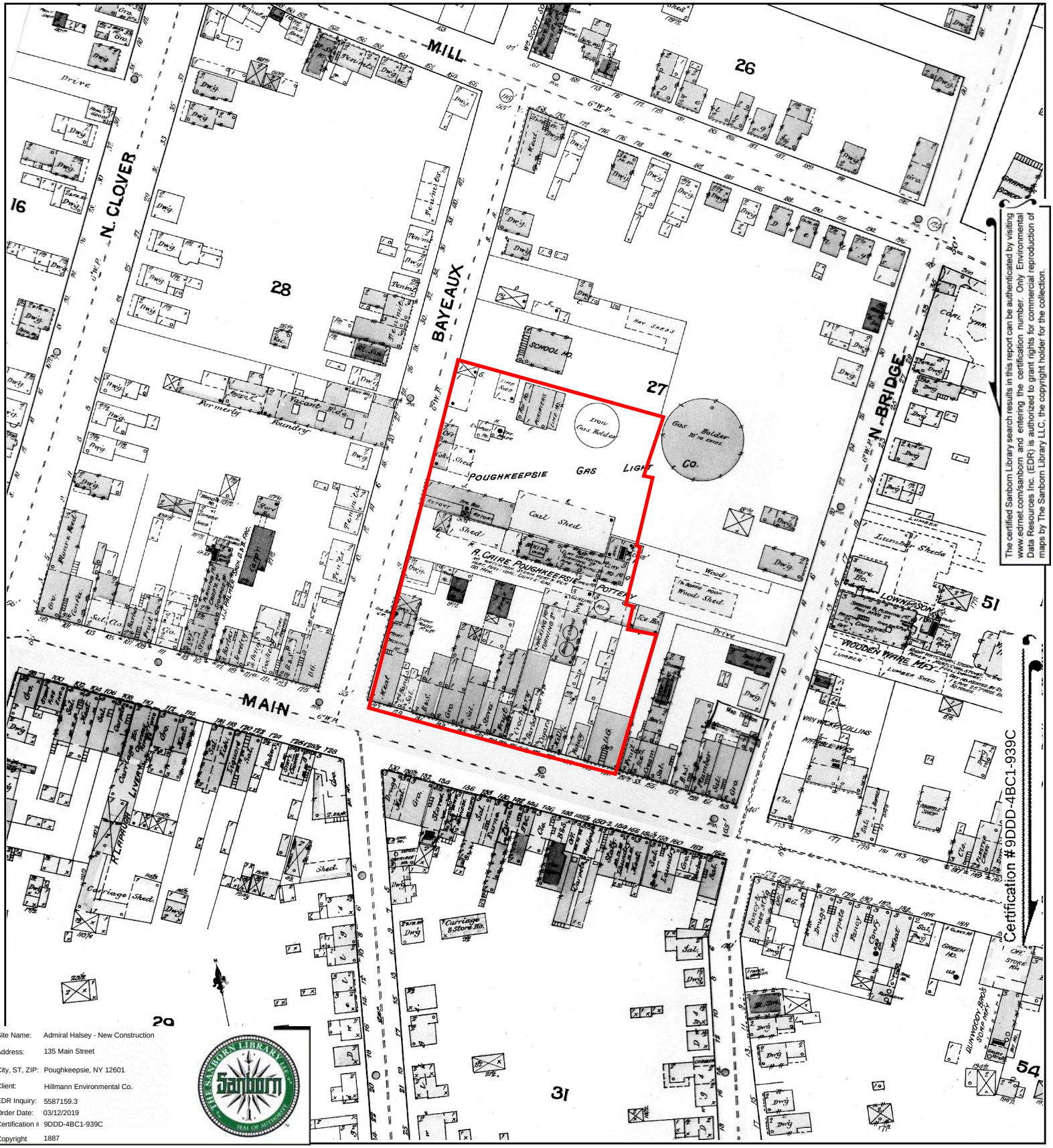
0 Feet 150 300 600






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Volume 1, Sheet 28
Volume 1, Sheet 24
Volume 1, Sheet 23

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| | |
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| Client: | Hillmann Environmental Co. |
| EDR Inquiry: | 5587159.3 |
| Order Date: | 03/12/2019 |
| Certification # | 9DDD-4BC1-939C |
| Copyright | 1887 |

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Outlined areas indicate map sheets within the collection.






Volume 1, Sheet 8
Volume 1, Sheet 14
Volume 1, Sheet 7

0 Feet 150 300 600

N

# APPENDIX E

# REGULATORY RECORDS DOCUMENTATION

**Admiral Halsey**
135 Main Street
Poughkeepsie, NY  12601

Inquiry Number: 6240551.2s
October 26, 2020

# The EDR Radius Map™ Report



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com


FORM-LBP-JBR

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| Map Findings Summary | 4 |
| Map Findings | 8 |
| Orphan Summary | 343 |
| Government Records Searched/Data Currency Tracking | GR-1 |

**GEOCHECK ADDENDUM**

**GeoCheck - Not Requested**


***Thank you for your business.***
Please contact EDR at 1-800-352-0050
with any questions or comments.


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# EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

## TARGET PROPERTY INFORMATION

### ADDRESS

135 MAIN STREET
POUGHKEEPSIE, NY 12601

### COORDINATES

| | |
|---|---|
| Latitude (North): | 41.7058760 - 41° 42' 21.15'' |
| Longitude (West): | 73.9334410 - 73° 56' 0.38'' |
| Universal Tranverse Mercator: | Zone 18 |
| UTM X (Meters): | 588738.5 |
| UTM Y (Meters): | 4617457.5 |
| Elevation: | 116 ft. above sea level |

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

| | |
|---|---|
| Target Property Map: | 5939321 POUGHKEEPSIE, NY |
| Version Date: | 2013 |

### AERIAL PHOTOGRAPHY IN THIS REPORT

| | |
|---|---|
| Portions of Photo from: | 20150522 |
| Source: | USDA |

MAPPED SITES SUMMARY

Target Property Address:
135 MAIN STREET
POUGHKEEPSIE, NY 12601

Click on Map ID to see full detail.

| MAP ID | SITE NAME | ADDRESS | DATABASE ACRONYMS | RELATIVE ELEVATION | DIST (ft. & mi.) DIRECTION |
|---|---|---|---|---|---|
| A1 | ADMIRAL WILLIAM F. H | 135 MAIN STREET | NY UST, NY AST | | TP |
| Reg | HUDSON RIVER PCBS | NO STREET APPLICABLE | NPL, SEMS, RCRA-LQG, US ENG CONTROLS, US INST... | Same | 1814, 0.344, West |
| A2 | RIVER CARE NURSING H | 139-144 MAIN ST | NY UST | Higher | 1 ft. |
| A3 | POUGHKEEPSIE MGP | NORTH PERRY STREET | EDR MGP | Higher | 1 ft. |
| A4 | NYSDOT PROJECT | 133 MAIN STREET | NY Spills | Lower | 12, 0.002, SW |
| B5 | SPILL NUMBER 9714354 | 138-144 MAIN STREET | NY Spills | Lower | 80, 0.015, South |
| B6 | SALVATION ARMY | 150 MAIN ST | NY Spills | Higher | 86, 0.016, SSE |
| C7 | ON ST.NEAR MILANESE | 115 MAIN ST | NY Spills | Lower | 130, 0.025, WSW |
| 8 | CHG&E, BAYEAUX STREE | N PERRY STREET | NY HSWDS | Higher | 180, 0.034, ENE |
| C9 | APT. MILANESE | 111 MAIN STREET | NY LTANKS | Lower | 225, 0.043, West |
| D10 | FEDERAL GOV - IRS@SS | 191 MAIN ST | NY Spills | Higher | 302, 0.057, ESE |
| 11 | CHG&E: TRANSFORMER O | 160 MILL STREET | NY Spills | Lower | 305, 0.058, NNW |
| E12 | COLUMBUS SCHOOL: 5K | 12 SO. PERRY ST | NY Spills | Lower | 305, 0.058, SSW |
| E13 | COLUMBUS SCHOOL | 12 SOUTH PERRY ST | NY UST | Lower | 305, 0.058, SSW |
| D14 | QUEEN CITY LOFTS | 178-188 MAIN STREET | NY BROWNFIELDS | Higher | 311, 0.059, SE |
| D15 | QUEEN CITY LOFTS | 178-188 MAIN STREET | NY ENG CONTROLS | Higher | 311, 0.059, SE |
| D16 | VACANT LOT | 178 MAIN ST | NY Spills | Higher | 311, 0.059, SE |
| D17 | QUEEN CITY LOFTS | 178-188 MAIN STREET | NY INST CONTROL | Higher | 311, 0.059, SE |
| E18 | COLUMBUS SCHOOL (PAC | 18 SOUTH PERRY ST | NY Spills | Lower | 381, 0.072, SSW |
| F19 | COMMERCIAL PROPERTY | 13-15 SOUTH BRIDGE S | NY Spills | Higher | 391, 0.074, SSE |
| F20 | DUTCHESS EXPRESS | 13 S BRIDGE ST | RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST | Higher | 391, 0.074, SSE |
| F21 | YELLOW CAB | 15 SOUTH BRIDGE STRE | NY AST | Higher | 392, 0.074, SSE |
| F22 | HUDSON RIVER SHUTTLE | 13A SOUTH BRIDGE | NY LTANKS, NY Spills | Higher | 392, 0.074, SSE |
| F23 | CENTRAL DUBOIS VANS | 13A SOUTH BRIDGE ST | NY UST | Higher | 394, 0.075, SSE |
| D24 | APARTMENT BUILD | 192-194 MAIN STREET | NY Spills | Higher | 400, 0.076, SE |
| D25 | WILLOW COURT APTS. | 192-194 MAIN STREET | NY AST | Higher | 400, 0.076, SE |
| D26 | WENDYS | MAIN ST/VASSAR RD | NY Spills | Higher | 445, 0.084, SE |
| F27 | HOT BODIES AUTO RECO | 24 S BRIDGE ST | RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST | Higher | 461, 0.087, SSE |
| G28 | NYSDEC | 18 N CLOVER | NY MANIFEST | Lower | 463, 0.088, WNW |
| F29 | QUALITY COLLISION | 24-26 S BRIDGE ST - | RCRA-VSQG, FINDS | Higher | 463, 0.088, SSE |
| H30 | DURBY RESTAURANT | 96 MAIN ST | NY Spills | Lower | 474, 0.090, WSW |
| G31 | POK. FIRE HOUSE | MAIN ST | NY LTANKS | Lower | 488, 0.092, WNW |
| G32 | POUGHKEEPSIE DAY CAR | 36 N CLOVER ST | RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST | Lower | 489, 0.093, NW |
| H33 | RPC MAIN STREET CORP | 89 MAIN ST | NY Spills | Lower | 535, 0.101, West |
| F34 | LANG APARTMENT BUILD | 187-189 UNION STREET | NY LTANKS | Higher | 563, 0.107, SSE |
| F35 | AIR | 193 UNION ST | NY Spills | Higher | 586, 0.111, SE |
| 36 | WILLOW COURT APARTME | 208-212 MAIN STREET | NY UST, NY Spills | Higher | 613, 0.116, SE |
| I37 | ST JOSEPHS CHURCH | 9 LAFAYETTE PL | NY UST | Higher | 715, 0.135, East |
| I38 | ST JOSEPHS CHURCH | 9 LAFAYETTE PL | NY AST | Higher | 715, 0.135, East |

MAPPED SITES SUMMARY

Target Property Address:
135 MAIN STREET
POUGHKEEPSIE, NY 12601

Click on Map ID to see full detail.

| MAP ID | SITE NAME | ADDRESS | DATABASE ACRONYMS | RELATIVE ELEVATION | DIST (ft. & mi.) DIRECTION |
|---|---|---|---|---|---|
| I39 | POUGHKEEPSIE CITY HA | MILL ST CIVIC CENTER | RCRA NonGen / NLR, NY MANIFEST | Higher | 781, 0.148, East |
| 40 | NYSDOT BIN 1005329 | RTE 9 OVER FALLKILL | RCRA-VSQG, NY MANIFEST, NJ MANIFEST | Lower | 870, 0.165, WNW |
| 41 | MID-HUDSON WORKSHOP | 12 WASHINTON ST | RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST | Higher | 889, 0.168, SE |
| J42 | SOUTHERN WATERFRONT | PROPSECT STREET | US BROWNFIELDS, FINDS | Higher | 966, 0.183, ENE |
| K43 | DUTCHESS COUNTY DPW | 228 MAIN ST | RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST | Higher | 982, 0.186, ESE |
| L44 | MID-HUDSON CIVIC CEN | 14 CIVIC CENTER PLZ | RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST | Higher | 1000, 0.189, ESE |
| L45 | MID-HUDSON CIVIC CEN | 14 CIVIC CENTER PLAZ | NY UST | Higher | 1000, 0.189, ESE |
| K46 | COURTHOUSE ANNEX | 235 MAIN ST | NY LTANKS, NY Spills | Higher | 1008, 0.191, ESE |
| K47 | GSA | 235 MAIN STREET | NY UST | Higher | 1008, 0.191, ESE |
| 48 | NYSDOT BIN 1005301 & | RTE 9 OVER MAIN ST | RCRA NonGen / NLR, NY MANIFEST | Lower | 1059, 0.201, West |
| J49 | POUGHKEEPSIE POST OF | 55 MANSION STREET | NY AST | Higher | 1137, 0.215, ENE |
| 50 | OUR LADY OF MT. CARM | 15 MOUNT CARMEL PLAC | NY AST | Lower | 1139, 0.216, NNW |
| K51 | COUNTY OF DUTCHESS | 22 MARKET STREET | NY LTANKS, NY Spills, NY SPDES | Higher | 1143, 0.216, SE |
| K52 | DUTCHESS COUNTY COMP | 22 MARKET STREET | NY UST, NY AST | Higher | 1143, 0.216, SE |
| K53 | D.C.DEPT.OF SOC.SER. | 16 MARKET ST | NY LTANKS | Higher | 1189, 0.225, SE |
| 54 | NYSDOT BIN 1005290 | RTE 44 OVER RTE 9 | RCRA NonGen / NLR | Lower | 1221, 0.231, SW |
| M55 | MOBIL OIL CORP SS #D | 55 WASHINGTON ST | RCRA NonGen / NLR, NY MANIFEST | Higher | 1249, 0.237, ENE |
| M56 | MOBIL | 55 WASHINGTON STREET | NY LTANKS, NY UST, NY AST, NY Spills | Higher | 1249, 0.237, ENE |
| N57 | G. F. REFUSE T.S. | 240 MAIN STREET | NY SWF/LF | Higher | 1264, 0.239, ESE |
| O58 | 33 MARKET STREET (VA | 33 MARKET STREET | NY UST | Higher | 1287, 0.244, SE |
| O59 | 33 MARKET STREET (VA | 33 MARKET STREET | NY AST | Higher | 1287, 0.244, SE |
| N60 | ACADIA HUDSON LLC | 21 MARKET STREET | NY LTANKS, NY TANKS | Higher | 1295, 0.245, SE |
| 61 | REMINGTON ASSOC | 75 WASHINGTON STREET | NY LTANKS | Higher | 1361, 0.258, NE |
| 62 | CITY OF POK.PARKING | 61 CIVIC CENTER PLAZ | NY LTANKS | Higher | 1361, 0.258, East |
| O63 | M B M COMP./TRI.CO.P | 39 MARKET ST | NY LTANKS | Higher | 1374, 0.260, SE |
| 64 | NYSDMNA - NEW YORK S | 61 MARKET ST | NY LTANKS, RCRA NonGen / NLR, NY MANIFEST | Higher | 1541, 0.292, SE |
| 65 | FIRST CONGREGATIONAL | 269 MILL ST | NY LTANKS, NY Spills | Higher | 1591, 0.301, East |
| 66 | POLE #26566 | 30 BAIN AVE | NY LTANKS, NY Spills | Higher | 1722, 0.326, NNE |
| P67 | BERNCOLORS-POUGHKEEP | 75 N WATER ST | SEMS-ARCHIVE, RCRA NonGen / NLR, PRP, ICIS, NY... | Lower | 1830, 0.347, NW |
| P68 | BERNCOLORS POUGHKEEP | 75 NORTH WATER STREE | NY HSWDS | Lower | 1830, 0.347, NW |
| 69 | HRH LEAD ABATEMENT S | 55 GARDEN STREET | NY SHWS | Higher | 1954, 0.370, East |
| 70 | POUGHKEEPSIE GAS WOR | LAUREL STREET | EDR MGP | Lower | 2041, 0.387, SSW |
| 71 | 5FB MORSE SCHOOL | 104 MANSION STREET | NY LTANKS | Higher | 2075, 0.393, East |
| Q72 | CH - WATER ST. - POU | NORTH WATER STREET | NY VCP, NY BROWNFIELDS | Lower | 2128, 0.403, NW |
| R73 | LUCKEY PLATT BUILDIN | 332 - 346 MAIN STREE | NY ERP | Higher | 2163, 0.410, ESE |
| 74 | POUGHKEEPSIE NAVINDR | | FUDS | Lower | 2198, 0.416, SW |
| 75 | DUTCHESS CTY YMCA | 35 MONTGOMERY ST | NY LTANKS, NY Spills | Higher | 2205, 0.418, South |
| Q76 | POUGHKEEPSIE GAS WOR | NORTH WATER STREET | EDR MGP | Lower | 2243, 0.425, NW |
| S77 | MOBIL OIL | SOUTH ROAD | NY LTANKS, NY Spills | Higher | 2300, 0.436, SSE |

## MAPPED SITES SUMMARY

Target Property Address:
135 MAIN STREET
POUGHKEEPSIE, NY 12601

Click on Map ID to see full detail.

| MAP ID | SITE NAME | ADDRESS | DATABASE ACRONYMS | RELATIVE ELEVATION | DIST (ft. & mi.) DIRECTION |
|---|---|---|---|---|---|
| R78 | 21 ACADEMY STREET | 21 ACADEMY STREET | NY SHWS | Higher | 2319, 0.439, SE |
| S79 | POUGHKEEPSIE CITY SC | 12 SOUTH TERRY STREE | NY LTANKS | Higher | 2333, 0.442, SSE |
| R80 | BASEMENT | 354 MAIN STREET | NY LTANKS | Higher | 2350, 0.445, ESE |
| 81 | CRANNELL SQUARE | 35 CATHARINE STREET | NY BROWNFIELDS | Higher | 2361, 0.447, ESE |
| 82 | HSBC BANK | 347 MAIN STREET | NY LTANKS | Higher | 2376, 0.450, ESE |
| 83 | PAYLESS/KELLY | 63 MONTGOMERY ST | NY LTANKS | Higher | 2377, 0.450, SSE |
| T84 | A.C. DUTTON LUMBER C | 1 HOFFMAN ST. | NY SHWS, NY CBS AST | Lower | 2438, 0.462, NNW |
| T85 | A. C. DUTTON LUMBER | | NY DEL SHWS | Lower | 2450, 0.464, NNW |
| 86 | GRAY RESIDENCE | 72 PINE ST | NY LTANKS, NY Spills | Lower | 2471, 0.468, SSW |
| U87 | POUGHKEEPSIE CITY OF | 28 ORCHARD PL | SEMS-ARCHIVE, RCRA NonGen / NLR, NY MANIFEST | Higher | 2500, 0.473, NE |
| U88 | QUAL KROM SITE | 28 ORCHARD PLACE | NY SHWS, NY ERP, NY Spills | Higher | 2500, 0.473, NE |
| 89 | A C DUTTON LUMBER CO | 1 DUTCHESS AVE | NY ENG CONTROLS, NY INST CONTROL, NY BROWNFIELDS | Lower | 2562, 0.485, NW |
| 90 | CATHERINE ST COMM CT | 69 CATHERINE ST | NY LTANKS, NY Spills | Higher | 2626, 0.497, East |

# EXECUTIVE SUMMARY

## TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

| Site | Database(s) | EPA ID |
|---|---|---|
| ADMIRAL WILLIAM F. H<br>135 MAIN STREET<br>POUGHKEEPSIE, NY 12601 | NY UST<br>Database: UST, Date of Government Version: 06/22/2020<br>NY AST<br>Database: AST, Date of Government Version: 06/22/2020<br>Facility Id: 3-601156 | N/A |

## DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

## STANDARD ENVIRONMENTAL RECORDS

### *Federal NPL site list*

Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

### *Federal Delisted NPL site list*

Delisted NPL ---------- National Priority List Deletions

### *Federal CERCLIS list*

FEDERAL FACILITY ---------- Federal Facility Site Information listing

### *Federal RCRA CORRACTS facilities list*

CORRACTS ---------- Corrective Action Report

### *Federal RCRA non-CORRACTS TSD facilities list*

RCRA-TSDF ---------- RCRA - Treatment, Storage and Disposal

### *Federal RCRA generators list*

RCRA-SQG ---------- RCRA - Small Quantity Generators

### *Federal institutional controls / engineering controls registries*

LUCIS ---------- Land Use Control Information System

# EXECUTIVE SUMMARY

***Federal ERNS list***

ERNS ---------- Emergency Response Notification System

***State and tribal leaking storage tank lists***

INDIAN LUST ---------- Leaking Underground Storage Tanks on Indian Land
NY HIST LTANKS ---------- Listing of Leaking Storage Tanks

***State and tribal registered storage tank lists***

FEMA UST ---------- Underground Storage Tank Listing
NY CBS UST ---------- Chemical Bulk Storage Database
NY MOSF UST ---------- Major Oil Storage Facilities Database
NY CBS ---------- Chemical Bulk Storage Site Listing
NY MOSF ---------- Major Oil Storage Facility Site Listing
NY MOSF AST ---------- Major Oil Storage Facilities Database
INDIAN UST ---------- Underground Storage Tanks on Indian Land

***State and tribal institutional control / engineering control registries***

NY RES DECL ---------- Restrictive Declarations Listing

***State and tribal voluntary cleanup sites***

INDIAN VCP ---------- Voluntary Cleanup Priority Listing

**ADDITIONAL ENVIRONMENTAL RECORDS**

***Local Lists of Landfill / Solid Waste Disposal Sites***

NY SWRCY ---------- Registered Recycling Facility List
NY SWTIRE ---------- Registered Waste Tire Storage & Facility List
INDIAN ODI ---------- Report on the Status of Open Dumps on Indian Lands
DEBRIS REGION 9 ---------- Torres Martinez Reservation Illegal Dump Site Locations
ODI ---------- Open Dump Inventory
IHS OPEN DUMPS ---------- Open Dumps on Indian Land

***Local Lists of Hazardous waste / Contaminated Sites***

US HIST CDL ---------- Delisted National Clandestine Laboratory Register
US CDL ---------- National Clandestine Laboratory Register
NY PFAS ---------- PFAS Contamination Site Location Listing

***Local Lists of Registered Storage Tanks***

NY HIST UST ---------- Historical Petroleum Bulk Storage Database
NY HIST AST ---------- Historical Petroleum Bulk Storage Database

***Local Land Records***

NY LIENS ---------- Spill Liens Information
LIENS 2 ---------- CERCLA Lien Information

# EXECUTIVE SUMMARY

***Records of Emergency Release Reports***

| | |
|---|---|
| HMIRS | Hazardous Materials Information Reporting System |
| NY Hist Spills | SPILLS Database |
| NY SPILLS 90 | SPILLS 90 data from FirstSearch |
| NY SPILLS 80 | SPILLS 80 data from FirstSearch |

***Other Ascertainable Records***

| | |
|---|---|
| DOD | Department of Defense Sites |
| SCRD DRYCLEANERS | State Coalition for Remediation of Drycleaners Listing |
| US FIN ASSUR | Financial Assurance Information |
| EPA WATCH LIST | EPA WATCH LIST |
| 2020 COR ACTION | 2020 Corrective Action Program List |
| TSCA | Toxic Substances Control Act |
| TRIS | Toxic Chemical Release Inventory System |
| SSTS | Section 7 Tracking Systems |
| RMP | Risk Management Plans |
| RAATS | RCRA Administrative Action Tracking System |
| PADS | PCB Activity Database System |
| FTTS | FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act) |
| MLTS | Material Licensing Tracking System |
| COAL ASH DOE | Steam-Electric Plant Operation Data |
| COAL ASH EPA | Coal Combustion Residues Surface Impoundments List |
| PCB TRANSFORMER | PCB Transformer Registration Database |
| RADINFO | Radiation Information Database |
| HIST FTTS | FIFRA/TSCA Tracking System Administrative Case Listing |
| DOT OPS | Incident and Accident Data |
| INDIAN RESERV | Indian Reservations |
| FUSRAP | Formerly Utilized Sites Remedial Action Program |
| UMTRA | Uranium Mill Tailings Sites |
| LEAD SMELTERS | Lead Smelter Sites |
| US AIRS | Aerometric Information Retrieval System Facility Subsystem |
| US MINES | Mines Master Index File |
| ABANDONED MINES | Abandoned Mines |
| DOCKET HWC | Hazardous Waste Compliance Docket Listing |
| UXO | Unexploded Ordnance Sites |
| FUELS PROGRAM | EPA Fuels Program Registered Listing |
| NY AIRS | Air Emissions Data |
| NY COAL ASH | Coal Ash Disposal Site Listing |
| NY DRYCLEANERS | Registered Drycleaners |
| NY E DESIGNATION | E DESIGNATION SITE LISTING |
| NY Financial Assurance | Financial Assurance Information Listing |
| NY VAPOR REOPENED | Vapor Intrusion Legacy Site List |
| NY UIC | Underground Injection Control Wells |
| NY COOLING TOWERS | Registered Cooling Towers |
| NY LEAD | Lead-based Paint Testing Results |
| MINES MRDS | Mineral Resources Data System |

**EDR HIGH RISK HISTORICAL RECORDS**

***EDR Exclusive Records***

| | |
|---|---|
| EDR Hist Auto | EDR Exclusive Historical Auto Stations |

EDR Hist Cleaner..... EDR Exclusive Historical Cleaners

**EDR RECOVERED GOVERNMENT ARCHIVES**

***Exclusive Recovered Govt. Archives***

NY RGA HWS..... Recovered Government Archive State Hazardous Waste Facilities List
NY RGA LF..... Recovered Government Archive Solid Waste Facilities List

**SURROUNDING SITES: SEARCH RESULTS**

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

**STANDARD ENVIRONMENTAL RECORDS**

***Federal NPL site list***

NPL: Also known as Superfund, the National Priority List database is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund program. The source of this database is the U.S. EPA.

A review of the NPL list, as provided by EDR, and dated 07/29/2020 has revealed that there is 1 NPL site within approximately 1 mile of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***HUDSON RIVER PCBS***<br>Cerclis ID:: 202229<br>EPA Id: NYD980763841 | ***NO STREET APPLICABLE*** | ***W 1/4 - 1/2 (0.344 mi.)*** | ***0*** | ***12*** |

***Federal CERCLIS list***

SEMS: SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

A review of the SEMS list, as provided by EDR, and dated 07/29/2020 has revealed that there is 1 SEMS

site within approximately 0.5 miles of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***HUDSON RIVER PCBS*** | ***NO STREET APPLICABLE*** | ***W 1/4 - 1/2 (0.344 mi.)*** | ***0*** | ***12*** |
| Site ID: 0202229 | | | | |
| EPA Id: NYD980763841 | | | | |

***Federal CERCLIS NFRAP site list***

SEMS-ARCHIVE: SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

A review of the SEMS-ARCHIVE list, as provided by EDR, and dated 07/29/2020 has revealed that there are 2 SEMS-ARCHIVE sites within approximately 0.5 miles of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***POUGHKEEPSIE CITY OF*** | ***28 ORCHARD PL*** | ***NE 1/4 - 1/2 (0.473 mi.)*** | ***U87*** | ***289*** |
| Site ID: 0204040 | | | | |
| EPA Id: NYD071091292 | | | | |

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***BERNCOLORS-POUGHKEEP*** | ***75 N WATER ST*** | ***NW 1/4 - 1/2 (0.347 mi.)*** | ***P67*** | ***241*** |
| Site ID: 0202752 | | | | |
| EPA Id: NYD002013951 | | | | |

***Federal RCRA generators list***

RCRA-VSQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-VSQG list, as provided by EDR, and dated 06/15/2020 has revealed that there are 2 RCRA-VSQG sites within approximately 0.25 miles of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***QUALITY COLLISION*** | ***24-26 S BRIDGE ST -*** | ***SSE 0 - 1/8 (0.088 mi.)*** | ***F29*** | ***106*** |

EPA ID:: NYR000217695

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***NYSDOT BIN 1005329*** | ***RTE 9 OVER FALLKILL*** | ***WNW 1/8 - 1/4 (0.165 mi.)*** | ***40*** | ***133*** |
| EPA ID:: NYD986998409 | | | | |

***Federal institutional controls / engineering controls registries***

US ENG CONTROLS: A listing of sites with engineering controls in place.

A review of the US ENG CONTROLS list, as provided by EDR, and dated 02/13/2020 has revealed that there is 1 US ENG CONTROLS site within approximately 0.5 miles of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***HUDSON RIVER PCBS*** | ***NO STREET APPLICABLE*** | ***W 1/4 - 1/2 (0.344 mi.)*** | ***0*** | ***12*** |
| EPA ID:: NYD980763841 | | | | |
| EPA ID:: NYD980763841 | | | | |

US INST CONTROLS: A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

A review of the US INST CONTROLS list, as provided by EDR, and dated 02/13/2020 has revealed that there is 1 US INST CONTROLS site within approximately 0.5 miles of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***HUDSON RIVER PCBS*** | ***NO STREET APPLICABLE*** | ***W 1/4 - 1/2 (0.344 mi.)*** | ***0*** | ***12*** |
| EPA ID:: NYD980763841 | | | | |

***State- and tribal - equivalent CERCLIS***

NY SHWS: The State Hazardous Waste Sites records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The data come from the Department of Environmental Conservation's Inactive Hazardous waste Disposal Sites in New York State.

A review of the NY SHWS list, as provided by EDR, and dated 05/12/2020 has revealed that there are 4 NY SHWS sites within approximately 1 mile of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| HRH LEAD ABATEMENT S | 55 GARDEN STREET | E 1/4 - 1/2 (0.370 mi.) | 69 | 250 |
| Site Code: 502049 | | | | |
| 21 ACADEMY STREET | 21 ACADEMY STREET | SE 1/4 - 1/2 (0.439 mi.) | R78 | 269 |

Site Code: 535046

| | | | | |
|---|---|---|---|---|
| ***QUAL KROM SITE*** | ***28 ORCHARD PLACE*** | ***NE 1/4 - 1/2 (0.473 mi.)*** | ***U88*** | ***298*** |
| Site Code: 335223 | | | | |

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***A.C. DUTTON LUMBER C*** | ***1 HOFFMAN ST.*** | ***NNW 1/4 - 1/2 (0.462 mi.)*** | ***T84*** | ***278*** |
| Site Code: 55989 | | | | |

***State and tribal landfill and/or solid waste disposal site lists***

NY SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the list.

A review of the NY SWF/LF list, as provided by EDR, and dated 07/01/2020 has revealed that there is 1 NY SWF/LF site within approximately 0.5 miles of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| G. F. REFUSE T.S. | 240 MAIN STREET | ESE 1/8 - 1/4 (0.239 mi.) | N57 | 216 |

***State and tribal leaking storage tank lists***

NY LTANKS: Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills

A review of the NY LTANKS list, as provided by EDR, and dated 05/12/2020 has revealed that there are 24 NY LTANKS sites within approximately 0.5 miles of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***HUDSON RIVER SHUTTLE*** | ***13A SOUTH BRIDGE*** | ***SSE 0 - 1/8 (0.074 mi.)*** | ***F22*** | ***90*** |
| Spill Number/Closed Date: 9106196 / 1992-07-06 | | | | |
| Site ID: 180480 | | | | |
| Spill Date: 1991-09-09 | | | | |
| LANG APARTMENT BUILD | 187-189 UNION STREET | SSE 0 - 1/8 (0.107 mi.) | F34 | 118 |
| Spill Number/Closed Date: 0511265 / 2006-04-25 | | | | |
| Spill Number/Closed Date: 0512690 / 2006-02-02 | | | | |
| Site ID: 357383 | | | | |
| Site ID: 359086 | | | | |
| Spill Date: 2005-12-28 | | | | |
| Spill Date: 2006-02-02 | | | | |
| ***COURTHOUSE ANNEX*** | ***235 MAIN ST*** | ***ESE 1/8 - 1/4 (0.191 mi.)*** | ***K46*** | ***162*** |
| Spill Number/Closed Date: 0011737 / 2001-05-01 | | | | |
| Site ID: 291978 | | | | |
| Spill Date: 2000-10-09 | | | | |
| ***COUNTY OF DUTCHESS*** | ***22 MARKET STREET*** | ***SE 1/8 - 1/4 (0.216 mi.)*** | ***K51*** | ***175*** |
| Spill Number/Closed Date: 9011974 / 1991-02-15 | | | | |

Site ID: 143426
Spill Date: 1991-02-13

D.C.DEPT.OF SOC.SER. 16 MARKET ST SE 1/8 - 1/4 (0.225 mi.) K53 193
Spill Number/Closed Date: 9900170 / 1999-04-14
Site ID: 85829
Spill Date: 1999-04-05

***MOBIL*** ***55 WASHINGTON STREET*** ***ENE 1/8 - 1/4 (0.237 mi.)*** ***M56*** ***203***
Spill Number/Closed Date: 9213330 / 1993-04-12
Site ID: 117252
Spill Date: 1993-03-02

***ACADIA HUDSON LLC*** ***21 MARKET STREET*** ***SE 1/8 - 1/4 (0.245 mi.)*** ***N60*** ***223***
Spill Number/Closed Date: 8902715 / 1989-09-25
Site ID: 264064
Spill Date: 1989-06-15

REMINGTON ASSOC 75 WASHINGTON STREET NE 1/4 - 1/2 (0.258 mi.) 61 225
Spill Number/Closed Date: 0512986 / 2006-06-30
Spill Number/Closed Date: 0601464 / 2006-05-09
Site ID: 359391
Site ID: 363703
Spill Date: 2006-02-09
Spill Date: 2006-05-09

CITY OF POK.PARKING 61 CIVIC CENTER PLAZ E 1/4 - 1/2 (0.258 mi.) 62 227
Spill Number/Closed Date: 0608092 / 2006-11-07
Site ID: 371967
Spill Date: 2006-10-16

M B M COMP./TRI.CO.P 39 MARKET ST SE 1/4 - 1/2 (0.260 mi.) O63 228
Spill Number/Closed Date: 1304134 / 2013-07-26
Site ID: 484647
Spill Date: 2013-07-17

***NYSDMNA - NEW YORK S*** ***61 MARKET ST*** ***SE 1/4 - 1/2 (0.292 mi.)*** ***64*** ***230***
Spill Number/Closed Date: 8803141 / 1989-11-29
Site ID: 293364
Spill Date: 1988-07-11

***FIRST CONGREGATIONAL*** ***269 MILL ST*** ***E 1/4 - 1/2 (0.301 mi.)*** ***65*** ***236***
Spill Number/Closed Date: 0400242 / 2004-04-20
Site ID: 64266
Spill Date: 2004-04-08

***POLE #26566*** ***30 BAIN AVE*** ***NNE 1/4 - 1/2 (0.326 mi.)*** ***66*** ***239***
Spill Number/Closed Date: 0106607 / 2001-09-26
Site ID: 89001
Spill Date: 2001-09-25

5FB MORSE SCHOOL 104 MANSION STREET E 1/4 - 1/2 (0.393 mi.) 71 251
Spill Number/Closed Date: 9207851 / 1992-10-12
Site ID: 296056
Spill Date: 1992-10-07

***DUTCHESS CTY YMCA*** ***35 MONTGOMERY ST*** ***S 1/4 - 1/2 (0.418 mi.)*** ***75*** ***261***
Spill Number/Closed Date: 0410331 / 2006-07-26
Site ID: 335385
Spill Date: 2004-12-17

***MOBIL OIL*** ***SOUTH ROAD*** ***SSE 1/4 - 1/2 (0.436 mi.)*** ***S77*** ***266***
Spill Number/Closed Date: 8602552 / 1986-08-06

Site ID: 74633
Spill Date: 1986-07-18

| | | | | |
|---|---|---|---|---|
| POUGHKEEPSIE CITY SC<br>Spill Number/Closed Date: 9207723 / 1992-10-09<br>Site ID: 156120<br>Spill Date: 1992-10-05 | 12 SOUTH TERRY STREE | SSE 1/4 - 1/2 (0.442 mi.) | S79 | 271 |
| BASEMENT<br>Spill Number/Closed Date: 9412680 / 1995-01-09<br>Site ID: 203064<br>Spill Date: 1994-12-21 | 354 MAIN STREET | ESE 1/4 - 1/2 (0.445 mi.) | R80 | 272 |
| HSBC BANK<br>Spill Number/Closed Date: 8706571 / 1988-03-28<br>Spill Number/Closed Date: 0609170 / 2006-12-13<br>Site ID: 158178<br>Site ID: 373309<br>Spill Date: 1987-11-03<br>Spill Date: 2006-11-09 | 347 MAIN STREET | ESE 1/4 - 1/2 (0.450 mi.) | 82 | 275 |
| PAYLESS/KELLY<br>Spill Number/Closed Date: 9813812 / 2001-11-01<br>Site ID: 213401<br>Spill Date: 1999-02-12 | 63 MONTGOMERY ST | SSE 1/4 - 1/2 (0.450 mi.) | 83 | 277 |
| ***CATHERINE ST COMM CT***<br>Spill Number/Closed Date: 1200540 / 2013-12-09<br>Site ID: 463172<br>Spill Date: 2012-04-18 | ***69 CATHERINE ST*** | ***E 1/4 - 1/2 (0.497 mi.)*** | ***90*** | ***340*** |

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| APT. MILANESE<br>Spill Number/Closed Date: 9312029 / 1994-01-19<br>Site ID: 110554<br>Spill Date: 1994-01-12 | 111 MAIN STREET | W 0 - 1/8 (0.043 mi.) | C9 | 46 |
| POK. FIRE HOUSE<br>Spill Number/Closed Date: 0001246 / 2002-04-02<br>Site ID: 238789<br>Spill Date: 2000-05-01 | MAIN ST | WNW 0 - 1/8 (0.092 mi.) | G31 | 110 |
| ***GRAY RESIDENCE***<br>Spill Number/Closed Date: 0103270 / 2001-07-18<br>Site ID: 154727<br>Spill Date: 2001-06-24 | ***72 PINE ST*** | ***SSW 1/4 - 1/2 (0.468 mi.)*** | ***86*** | ***287*** |

***State and tribal registered storage tank lists***

NY UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database

A review of the NY UST list, as provided by EDR, has revealed that there are 10 NY UST sites within approximately 0.25 miles of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| RIVER CARE NURSING H<br>Database: UST, Date of Government Version: 06/22/2020 | 139-144 MAIN ST | 0 - 1/8 (0.000 mi.) | A2 | 38 |
| CENTRAL DUBOIS VANS<br>Database: UST, Date of Government Version: 06/22/2020 | 13A SOUTH BRIDGE ST | SSE 0 - 1/8 (0.075 mi.) | F23 | 92 |
| ***WILLOW COURT APARTME***<br>Database: UST, Date of Government Version: 06/22/2020 | ***208-212 MAIN STREET*** | ***SE 0 - 1/8 (0.116 mi.)*** | ***36*** | ***121*** |
| ST JOSEPHS CHURCH<br>Database: UST, Date of Government Version: 06/22/2020 | 9 LAFAYETTE PL | E 1/8 - 1/4 (0.135 mi.) | I37 | 124 |
| MID-HUDSON CIVIC CEN<br>Database: UST, Date of Government Version: 06/22/2020 | 14 CIVIC CENTER PLAZ | ESE 1/8 - 1/4 (0.189 mi.) | L45 | 159 |
| GSA<br>Database: UST, Date of Government Version: 06/22/2020 | 235 MAIN STREET | ESE 1/8 - 1/4 (0.191 mi.) | K47 | 164 |
| ***DUTCHESS COUNTY COMP***<br>Database: UST, Date of Government Version: 06/22/2020 | ***22 MARKET STREET*** | ***SE 1/8 - 1/4 (0.216 mi.)*** | ***K52*** | ***178*** |
| ***MOBIL***<br>Database: UST, Date of Government Version: 06/22/2020 | ***55 WASHINGTON STREET*** | ***ENE 1/8 - 1/4 (0.237 mi.)*** | ***M56*** | ***203*** |
| 33 MARKET STREET (VA<br>Database: UST, Date of Government Version: 06/22/2020 | 33 MARKET STREET | SE 1/8 - 1/4 (0.244 mi.) | O58 | 217 |

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| COLUMBUS SCHOOL<br>Database: UST, Date of Government Version: 06/22/2020 | 12 SOUTH PERRY ST | SSW 0 - 1/8 (0.058 mi.) | E13 | 50 |

NY AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database.

A review of the NY AST list, as provided by EDR, has revealed that there are 8 NY AST sites within approximately 0.25 miles of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| YELLOW CAB<br>Database: AST, Date of Government Version: 06/22/2020<br>Facility Id: 3-601912 | 15 SOUTH BRIDGE STRE | SSE 0 - 1/8 (0.074 mi.) | F21 | 88 |
| WILLOW COURT APTS.<br>Database: AST, Date of Government Version: 06/22/2020<br>Facility Id: 3-601650 | 192-194 MAIN STREET | SE 0 - 1/8 (0.076 mi.) | D25 | 96 |
| ST JOSEPHS CHURCH<br>Database: AST, Date of Government Version: 06/22/2020<br>Facility Id: 3-164410 | 9 LAFAYETTE PL | E 1/8 - 1/4 (0.135 mi.) | I38 | 126 |
| POUGHKEEPSIE POST OF<br>Database: AST, Date of Government Version: 06/22/2020<br>Facility Id: 3-600107 | 55 MANSION STREET | ENE 1/8 - 1/4 (0.215 mi.) | J49 | 170 |
| ***DUTCHESS COUNTY COMP***<br>Database: AST, Date of Government Version: 06/22/2020<br>Facility Id: 3-600871 | ***22 MARKET STREET*** | ***SE 1/8 - 1/4 (0.216 mi.)*** | ***K52*** | ***178*** |
| ***MOBIL***<br>Database: AST, Date of Government Version: 06/22/2020 | ***55 WASHINGTON STREET*** | ***ENE 1/8 - 1/4 (0.237 mi.)*** | ***M56*** | ***203*** |

Facility Id: 3-047945

| | | | | |
|---|---|---|---|---|
| 33 MARKET STREET (VA | 33 MARKET STREET | SE 1/8 - 1/4 (0.244 mi.) | O59 | 221 |

Database: AST, Date of Government Version: 06/22/2020
Facility Id: 3-601711

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| OUR LADY OF MT. CARM | 15 MOUNT CARMEL PLAC | NNW 1/8 - 1/4 (0.216 mi.) | 50 | 173 |

Database: AST, Date of Government Version: 06/22/2020
Facility Id: 3-600109

NY TANKS: This database contains records of facilities that are or have been regulated under Bulk Storage Program. Tank information for these facilities may not be releasable by the state agency.

A review of the NY TANKS list, as provided by EDR, has revealed that there is 1 NY TANKS site within approximately 0.25 miles of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***ACADIA HUDSON LLC*** | ***21 MARKET STREET*** | ***SE 1/8 - 1/4 (0.245 mi.)*** | ***N60*** | ***223*** |

Database: TANKS, Date of Government Version: 06/22/2020
Facility Id: 3-169196
Site Status: Active

***State and tribal institutional control / engineering control registries***

NY ENG CONTROLS: Environmental Remediation sites that have engineering controls in place.

A review of the NY ENG CONTROLS list, as provided by EDR, and dated 05/12/2020 has revealed that there are 2 NY ENG CONTROLS sites within approximately 0.5 miles of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| QUEEN CITY LOFTS | 178-188 MAIN STREET | SE 0 - 1/8 (0.059 mi.) | D15 | 55 |

Site Code: 512561

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***A C DUTTON LUMBER CO*** | ***1 DUTCHESS AVE*** | ***NW 1/4 - 1/2 (0.485 mi.)*** | ***89*** | ***301*** |

Site Code: 505421
Site Code: 505422

Environmental Remediation sites that have institutional controls in place.

A review of the NY INST CONTROL list, as provided by EDR, and dated 05/12/2020 has revealed that there are 2 NY INST CONTROL sites within approximately 0.5 miles of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| QUEEN CITY LOFTS | 178-188 MAIN STREET | SE 0 - 1/8 (0.059 mi.) | D17 | 59 |

Site Code: 512561

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***A C DUTTON LUMBER CO*** | ***1 DUTCHESS AVE*** | ***NW 1/4 - 1/2 (0.485 mi.)*** | ***89*** | ***301*** |
| Site Code: 505421 | | | | |
| Site Code: 505422 | | | | |

***State and tribal voluntary cleanup sites***

NY VCP: Voluntary Cleanup Agreements. The voluntary remedial program uses private monies to get contaminated sites remediated to levels allowing for the sites' productive use. The program covers virtually any kind of site and contamination.

A review of the NY VCP list, as provided by EDR, has revealed that there is 1 NY VCP site within approximately 0.5 miles of the target property.

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***CH - WATER ST. - POU*** | ***NORTH WATER STREET*** | ***NW 1/4 - 1/2 (0.403 mi.)*** | ***Q72*** | ***253*** |
| Database: VCP, Date of Government Version: 05/12/2020 | | | | |
| Site Code: 56927 | | | | |

***State and tribal Brownfields sites***

NY BROWNFIELDS: Brownfields Site List

A review of the NY BROWNFIELDS list, as provided by EDR, and dated 05/12/2020 has revealed that there are 4 NY BROWNFIELDS sites within approximately 0.5 miles of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| QUEEN CITY LOFTS | 178-188 MAIN STREET | SE 0 - 1/8 (0.059 mi.) | D14 | 52 |
| Site Code: 512561 | | | | |
| CRANNELL SQUARE | 35 CATHARINE STREET | ESE 1/4 - 1/2 (0.447 mi.) | 81 | 273 |
| Site Code: 588792 | | | | |

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***CH - WATER ST. - POU*** | ***NORTH WATER STREET*** | ***NW 1/4 - 1/2 (0.403 mi.)*** | ***Q72*** | ***253*** |
| Site Code: 57435 | | | | |
| ***A C DUTTON LUMBER CO*** | ***1 DUTCHESS AVE*** | ***NW 1/4 - 1/2 (0.485 mi.)*** | ***89*** | ***301*** |
| Site Code: 59160 | | | | |
| Site Code: 414652 | | | | |
| Site Code: 505421 | | | | |
| Site Code: 505422 | | | | |

# EXECUTIVE SUMMARY

NY ERP: In an effort to spur the cleanup and redevelopment of brownfields, New Yorkers approved a $200 million Environmental Restoration or Brownfields Fund as part of the $1.75 billion Clean Water/Clean Air Bond Act of 1996 (1996 Bond Act). Enhancements to the program were enacted on October 7, 2003. Under the Environmental Restoration Program, the State provides grants to municipalities to reimburse up to 90 percent of on-site eligible costs and 100% of off-site eligible costs for site investigation and remediation activities. Once remediated, the property may then be reused for commercial, industrial, residential or public use.

A review of the NY ERP list, as provided by EDR, and dated 05/12/2020 has revealed that there are 2 NY ERP sites within approximately 0.5 miles of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| LUCKEY PLATT BUILDIN<br>Site Code: 57376 | 332 - 346 MAIN STREE | ESE 1/4 - 1/2 (0.410 mi.) | R73 | 260 |
| ***QUAL KROM SITE***<br>Site Code: 58075 | ***28 ORCHARD PLACE*** | ***NE 1/4 - 1/2 (0.473 mi.)*** | ***U88*** | ***298*** |

**ADDITIONAL ENVIRONMENTAL RECORDS**

***Local Brownfield lists***

US BROWNFIELDS: The EPA's listing of Brownfields properties from the Cleanups in My Community program, which provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

A review of the US BROWNFIELDS list, as provided by EDR, and dated 06/01/2020 has revealed that there is 1 US BROWNFIELDS site within approximately 0.5 miles of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***SOUTHERN WATERFRONT***<br>ACRES property ID: 11877<br>Cleanup Completion Date: - | ***PROPSECT STREET*** | ***ENE 1/8 - 1/4 (0.183 mi.)*** | ***J42*** | ***145*** |

***Local Lists of Hazardous waste / Contaminated Sites***

NY DEL SHWS: A database listing of sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites.

A review of the NY DEL SHWS list, as provided by EDR, and dated 05/12/2020 has revealed that there is 1 NY DEL SHWS site within approximately 1 mile of the target property.

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| A. C. DUTTON LUMBER<br>Site Code Id: 314081 | | NNW 1/4 - 1/2 (0.464 mi.) | T85 | 285 |

# EXECUTIVE SUMMARY

***Records of Emergency Release Reports***

NY Spills: Data collected on spills reported to NYSDEC. is required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

A review of the NY Spills list, as provided by EDR, and dated 05/12/2020 has revealed that there are 17 NY Spills sites within approximately 0.125 miles of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| SALVATION ARMY<br>Spill Date: 2018-12-01<br>Spill Number/Closed Date: 1809200 / 2018-12-03<br>Site ID: 580035 | 150 MAIN ST | SSE 0 - 1/8 (0.016 mi.) | B6 | 42 |
| FEDERAL GOV - IRS@SS<br>Spill Date: 2003-03-12<br>Spill Number/Closed Date: 0212262 / 2004-07-02<br>Site ID: 136004 | 191 MAIN ST | ESE 0 - 1/8 (0.057 mi.) | D10 | 47 |
| VACANT LOT<br>Spill Date: 2015-05-27<br>Spill Number/Closed Date: 1502657 / 2015-11-25<br>Site ID: 508937 | 178 MAIN ST | SE 0 - 1/8 (0.059 mi.) | D16 | 58 |
| COMMERCIAL PROPERTY<br>Spill Date: 2016-03-16<br>Spill Number/Closed Date: 1511940 / 2018-12-31<br>Site ID: 524728 | 13-15 SOUTH BRIDGE S | SSE 0 - 1/8 (0.074 mi.) | F19 | 81 |
| ***HUDSON RIVER SHUTTLE***<br>Spill Date: 2007-01-04<br>Spill Number/Closed Date: 0611093 / 2007-01-17<br>Site ID: 375674 | ***13A SOUTH BRIDGE*** | ***SSE 0 - 1/8 (0.074 mi.)*** | ***F22*** | ***90*** |
| APARTMENT BUILD<br>Spill Date: 2003-12-30<br>Spill Number/Closed Date: 0311129 / 2004-04-19<br>Site ID: 208513 | 192-194 MAIN STREET | SE 0 - 1/8 (0.076 mi.) | D24 | 94 |
| WENDYS<br>Spill Date: 2000-06-28<br>Spill Number/Closed Date: 0003798 / 2000-06-28<br>Site ID: 113101 | MAIN ST/VASSAR RD | SE 0 - 1/8 (0.084 mi.) | D26 | 98 |
| AIR<br>Spill Date: 2019-06-05<br>Spill Number/Closed Date: 1902314 / 2019-06-05<br>Site ID: 590228 | 193 UNION ST | SE 0 - 1/8 (0.111 mi.) | F35 | 120 |
| ***WILLOW COURT APARTME***<br>Spill Date: 2009-07-21<br>Spill Number/Closed Date: 0904603 / 2009-08-04<br>Site ID: 416778 | ***208-212 MAIN STREET*** | ***SE 0 - 1/8 (0.116 mi.)*** | ***36*** | ***121*** |

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| NYSDOT PROJECT<br>Spill Date: 1996-07-11 | 133 MAIN STREET | SW 0 - 1/8 (0.002 mi.) | A4 | 40 |

| | | | | |
|---|---|---|---|---|
| Spill Number/Closed Date: 9604735 / 1996-08-06<br>Site ID: 199464 | | | | |
| SPILL NUMBER 9714354<br>Spill Date: 1998-03-26<br>Spill Number/Closed Date: 9714354 / 1998-03-26<br>Site ID: 216423 | 138-144 MAIN STREET | S 0 - 1/8 (0.015 mi.) | B5 | 41 |
| ON ST.NEAR MILANESE<br>Spill Date: 1992-06-02<br>Spill Number/Closed Date: 9202522 / 1992-06-02<br>Site ID: 296222 | 115 MAIN ST | WSW 0 - 1/8 (0.025 mi.) | C7 | 43 |
| CHG&E: TRANSFORMER O<br>Spill Date: 2013-08-31<br>Spill Number/Closed Date: 1305793 / 2013-09-03<br>Site ID: 486374 | 160 MILL STREET | NNW 0 - 1/8 (0.058 mi.) | 11 | 48 |
| COLUMBUS SCHOOL: 5K<br>Spill Date: 1997-07-16<br>Spill Number/Closed Date: 9704546 / 2008-04-01<br>Site ID: 147835 | 12 SO. PERRY ST | SSW 0 - 1/8 (0.058 mi.) | E12 | 49 |
| COLUMBUS SCHOOL (PAC<br>Spill Date: 2017-11-29<br>Spill Number/Closed Date: 1708202 / 2017-12-01<br>Site ID: 564599 | 18 SOUTH PERRY ST | SSW 0 - 1/8 (0.072 mi.) | E18 | 80 |
| DURBY RESTAURANT<br>Spill Date: 1988-12-18<br>Spill Number/Closed Date: 8807634 / 1988-12-19<br>Site ID: 317824 | 96 MAIN ST | WSW 0 - 1/8 (0.090 mi.) | H30 | 109 |
| RPC MAIN STREET CORP<br>Spill Date: 2018-07-17<br>Spill Number/Closed Date: 1804131 / 2018-12-13<br>Site ID: 573794 | 89 MAIN ST | W 0 - 1/8 (0.101 mi.) | H33 | 116 |

***Other Ascertainable Records***

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 06/15/2020 has revealed that there are 10 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***DUTCHESS EXPRESS***<br>EPA ID:: NYR000044123 | ***13 S BRIDGE ST*** | ***SSE 0 - 1/8 (0.074 mi.)*** | ***F20*** | ***82*** |
| ***HOT BODIES AUTO RECO***<br>EPA ID:: NYR000028506 | ***24 S BRIDGE ST*** | ***SSE 0 - 1/8 (0.087 mi.)*** | ***F27*** | ***99*** |
| ***POUGHKEEPSIE CITY HA***<br>EPA ID:: NY0000632075 | ***MILL ST CIVIC CENTER*** | ***E 1/8 - 1/4 (0.148 mi.)*** | ***I39*** | ***129*** |
| ***MID-HUDSON WORKSHOP*** | ***12 WASHINTON ST*** | ***SE 1/8 - 1/4 (0.168 mi.)*** | ***41*** | ***140*** |

| | | | | |
|---|---|---|---|---|
| EPA ID:: NYD001560440 | | | | |
| ***DUTCHESS COUNTY DPW*** EPA ID:: NYR000014126 | ***228 MAIN ST*** | ***ESE 1/8 - 1/4 (0.186 mi.)*** | ***K43*** | ***148*** |
| ***MID-HUDSON CIVIC CEN*** EPA ID:: NYR000104265 | ***14 CIVIC CENTER PLZ*** | ***ESE 1/8 - 1/4 (0.189 mi.)*** | ***L44*** | ***154*** |
| ***MOBIL OIL CORP SS #D*** EPA ID:: NYD987014776 | ***55 WASHINGTON ST*** | ***ENE 1/8 - 1/4 (0.237 mi.)*** | ***M55*** | ***197*** |

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***POUGHKEEPSIE DAY CAR*** EPA ID:: NYR000044842 | ***36 N CLOVER ST*** | ***NW 0 - 1/8 (0.093 mi.)*** | ***G32*** | ***111*** |
| ***NYSDOT BIN 1005301 &*** EPA ID:: NYD987021706 | ***RTE 9 OVER MAIN ST*** | ***W 1/8 - 1/4 (0.201 mi.)*** | ***48*** | ***166*** |
| NYSDOT BIN 1005290 EPA ID:: NYD986998391 | RTE 44 OVER RTE 9 | SW 1/8 - 1/4 (0.231 mi.) | 54 | 194 |

FUDS: The Listing includes locations of Formerly Used Defense Sites Properties where the US Army Corps Of Engineers is actively working or will take necessary cleanup actions.

A review of the FUDS list, as provided by EDR, and dated 08/05/2020 has revealed that there is 1 FUDS site within approximately 1 mile of the target property.

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| POUGHKEEPSIE NAVINDR | | SW 1/4 - 1/2 (0.416 mi.) | 74 | 260 |

ROD: Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid the cleanup.

A review of the ROD list, as provided by EDR, and dated 07/29/2020 has revealed that there is 1 ROD site within approximately 1 mile of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***HUDSON RIVER PCBS*** EPA ID:: NYD980763841 | ***NO STREET APPLICABLE*** | ***W 1/4 - 1/2 (0.344 mi.)*** | ***0*** | ***12*** |

CONSENT: Major Legal settlements that establish responsibility and standards for cleanup at NPL (superfund) sites. Released periodically by U.S. District Courts after settlement by parties to litigation matters.

A review of the CONSENT list, as provided by EDR, and dated 06/30/2020 has revealed that there is 1 CONSENT site within approximately 1 mile of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***HUDSON RIVER PCBS*** | ***NO STREET APPLICABLE*** | ***W 1/4 - 1/2 (0.344 mi.)*** | ***0*** | ***12*** |

# EXECUTIVE SUMMARY

NY HSWDS: The List includes any known or suspected hazardous substance waste disposal sites. Also included are sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites and non-registry sites that U.S. EPA Preliminary Assessment (PA) reports or Site Investigation (SI) reports were prepared. Hazardous Substance Waste Disposal Sites are eligible to be Superfund sites now that the New York State Superfund has been refinanced and changed. This means that the study inventory has served its purpose and will no longer be maintained as a separate entity The latest version of the study is frozen in time. The sites on the study will not automatically be made superfund sites, rather each site will be further evaluated for listing in the registry. So overtime they will be added to the registry or not.

A review of the NY HSWDS list, as provided by EDR, and dated 01/01/2003 has revealed that there are 2 NY HSWDS sites within approximately 0.5 miles of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| CHG&E, BAYEAUX STREE<br>Facility Id: HS3009 | N PERRY STREET | ENE 0 - 1/8 (0.034 mi.) | 8 | 44 |

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| BERNCOLORS POUGHKEEP | 75 NORTH WATER STREE | NW 1/4 - 1/2 (0.347 mi.) | P68 | 249 |

NY MANIFEST: Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

A review of the NY MANIFEST list, as provided by EDR, and dated 01/01/2019 has revealed that there are 11 NY MANIFEST sites within approximately 0.25 miles of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***DUTCHESS EXPRESS***<br>EPA ID: NYR000044123 | ***13 S BRIDGE ST*** | ***SSE 0 - 1/8 (0.074 mi.)*** | ***F20*** | ***82*** |
| ***HOT BODIES AUTO RECO***<br>EPA ID: NYR000028506 | ***24 S BRIDGE ST*** | ***SSE 0 - 1/8 (0.087 mi.)*** | ***F27*** | ***99*** |
| ***POUGHKEEPSIE CITY HA***<br>EPA ID: NY0000632075 | ***MILL ST CIVIC CENTER*** | ***E 1/8 - 1/4 (0.148 mi.)*** | ***I39*** | ***129*** |
| ***MID-HUDSON WORKSHOP***<br>EPA ID: NYD001560440 | ***12 WASHINTON ST*** | ***SE 1/8 - 1/4 (0.168 mi.)*** | ***41*** | ***140*** |
| ***DUTCHESS COUNTY DPW***<br>EPA ID: NYR000014126 | ***228 MAIN ST*** | ***ESE 1/8 - 1/4 (0.186 mi.)*** | ***K43*** | ***148*** |
| ***MID-HUDSON CIVIC CEN***<br>EPA ID: NYR000104265 | ***14 CIVIC CENTER PLZ*** | ***ESE 1/8 - 1/4 (0.189 mi.)*** | ***L44*** | ***154*** |
| ***MOBIL OIL CORP SS #D***<br>EPA ID: NYD987014776 | ***55 WASHINGTON ST*** | ***ENE 1/8 - 1/4 (0.237 mi.)*** | ***M55*** | ***197*** |

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| NYSDEC<br>EPA ID: NYP003600095 | 18 N CLOVER | WNW 0 - 1/8 (0.088 mi.) | G28 | 105 |
| ***POUGHKEEPSIE DAY CAR***<br>EPA ID: NYR000044842 | ***36 N CLOVER ST*** | ***NW 0 - 1/8 (0.093 mi.)*** | ***G32*** | ***111*** |
| ***NYSDOT BIN 1005329***<br>EPA ID: NYD986998409 | ***RTE 9 OVER FALLKILL*** | ***WNW 1/8 - 1/4 (0.165 mi.)*** | ***40*** | ***133*** |
| ***NYSDOT BIN 1005301 &*** | ***RTE 9 OVER MAIN ST*** | ***W 1/8 - 1/4 (0.201 mi.)*** | ***48*** | ***166*** |

EPA ID: NYD987021706

NJ MANIFEST: Hazardous waste manifest information.

A review of the NJ MANIFEST list, as provided by EDR, and dated 12/31/2018 has revealed that there is 1 NJ MANIFEST site within approximately 0.25 miles of the target property.

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***NYSDOT BIN 1005329*** EPA Id: NYD986998409 | ***RTE 9 OVER FALLKILL*** | ***WNW 1/8 - 1/4 (0.165 mi.)*** | ***40*** | ***133*** |

**EDR HIGH RISK HISTORICAL RECORDS**

***EDR Exclusive Records***

EDR MGP: The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

A review of the EDR MGP list, as provided by EDR, has revealed that there are 3 EDR MGP sites within approximately 1 mile of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| POUGHKEEPSIE MGP | NORTH PERRY STREET | 0 - 1/8 (0.000 mi.) | A3 | 40 |

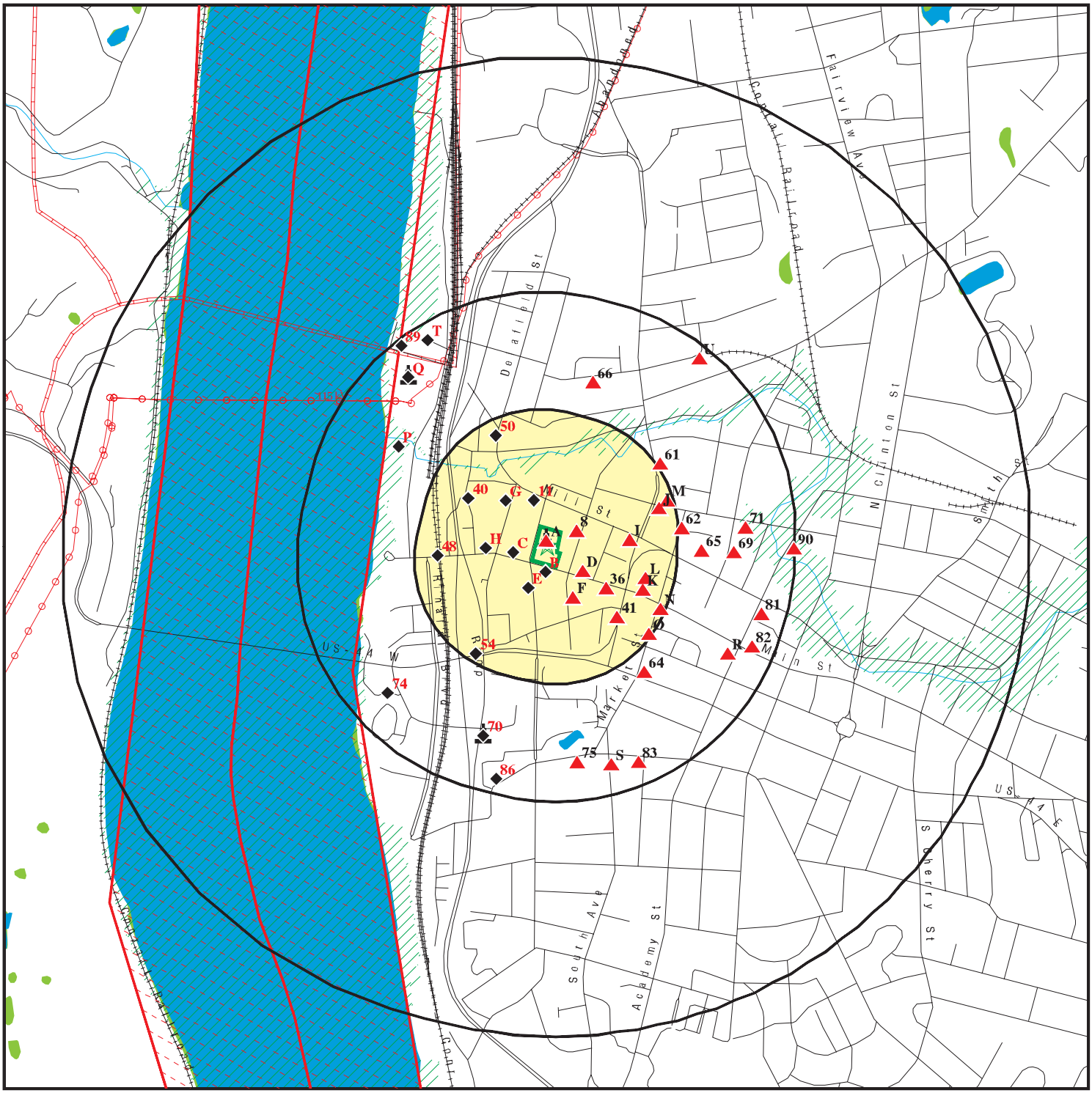
| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| POUGHKEEPSIE GAS WOR | LAUREL STREET | SSW 1/4 - 1/2 (0.387 mi.) | 70 | 251 |
| POUGHKEEPSIE GAS WOR | NORTH WATER STREET | NW 1/4 - 1/2 (0.425 mi.) | Q76 | 265 |

# EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 13 records.

| Site Name | Database(s) |
|---|---|
| NINE MALL PLAZA | NY ENG CONTROLS, NY INST CONTROL, NY VCP, NY BROWNFIELDS |
| CHG&E - LAUREL STREET FORMER MGP S | SEMS-ARCHIVE, RCRA-VSQG, NY MANIFEST |
| CH - POUGHKEEPSIE MGP LAUREL STREE | NY SHWS |
| VASSAR COLLEGE | NY SHWS |
| CH - POUGHKEEPSIE MGP-WATER STREET | NY SHWS |
| BERNCOLORS DYE CO. | NY SHWS |
| VANDEWATER PROP | SEMS-ARCHIVE |
| CENTRAL HUDSON G & E CORP | SEMS-ARCHIVE |
| BARNES | NY SWF/LF |
| IBM C&D LANDFILL | NY SWF/LF |
| CHG&E, POUGHKEEPSIE-LAUREL ST. | NY HSWDS |
| CHG&E, POUGHKEEPSIE GAS WORKS | NY HSWDS |
| CH - LAUREL ST. - POUGHKEEPSIE MGP | NY VCP |

# OVERVIEW MAP - 6240551.2S




Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

0 1/4 1/2 1 Miles

Indian Reservations BIA

County Boundary

Power transmission lines

Pipelines

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

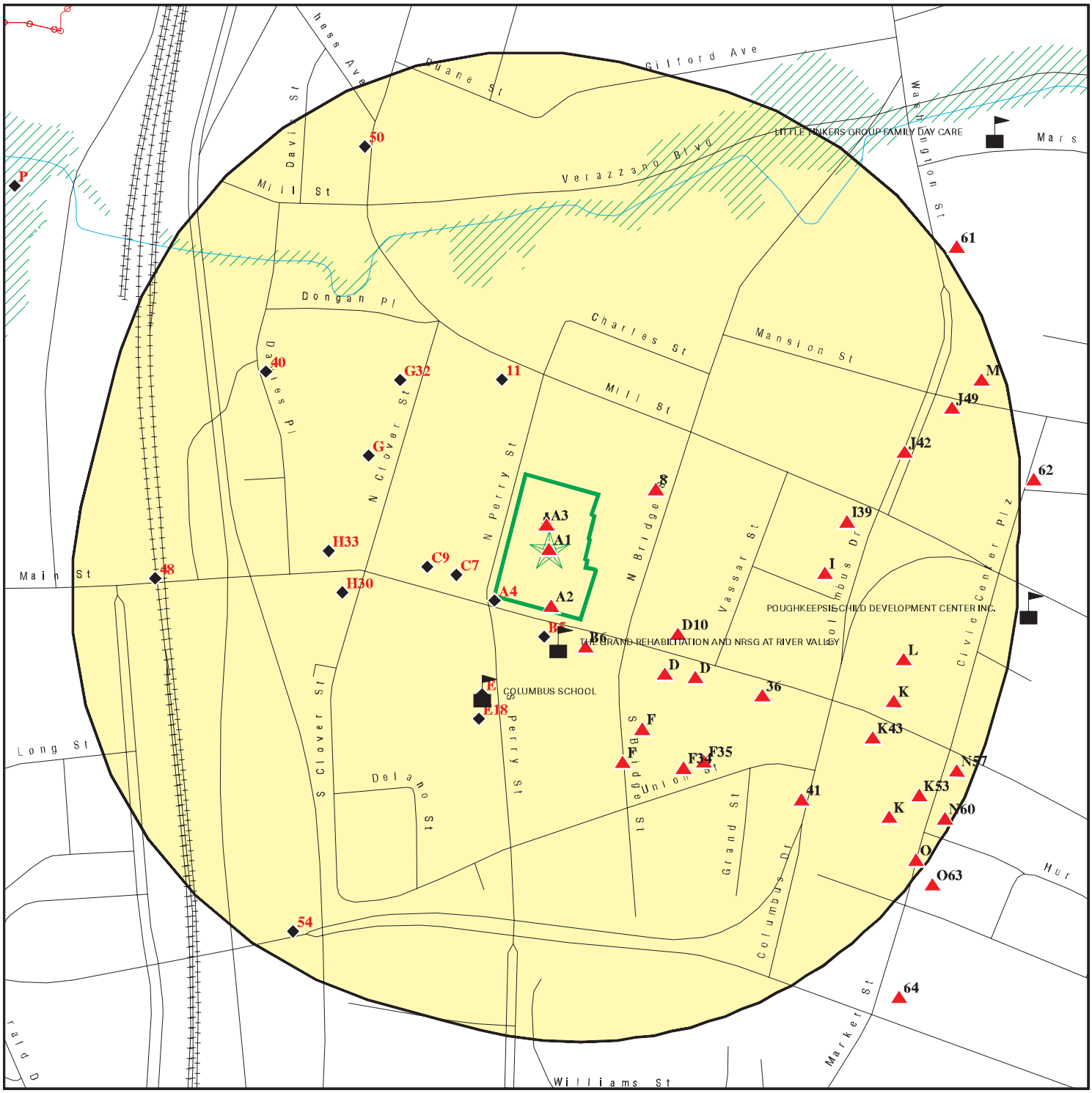
State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

| | | | |
|---|---|---|---|
| SITE NAME: | Admiral Halsey | CLIENT: | Hillmann Environmental Co. |
| ADDRESS: | 135 Main Street<br>Poughkeepsie NY 12601 | CONTACT: | Joanne Bedkowski |
| | | INQUIRY #: | 6240551.2s |
| LAT/LONG: | 41.705876 / 73.933441 | DATE: | October 26, 2020 10:41 am |

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# DETAIL MAP - 6240551.2S




- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

| | |
|---|---|
| SITE NAME: Admiral Halsey | CLIENT: Hillmann Environmental Co. |
| ADDRESS: 135 Main Street<br>Poughkeepsie NY 12601 | CONTACT: Joanne Bedkowski<br>INQUIRY #: 6240551.2s |
| LAT/LONG: 41.705876 / 73.933441 | DATE: October 26, 2020 10:42 am |

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# MAP FINDINGS SUMMARY

| Database | Search Distance (Miles) | Target Property | < 1/8 | 1/8 - 1/4 | 1/4 - 1/2 | 1/2 - 1 | > 1 | Total Plotted |
|---|---|---|---|---|---|---|---|---|
| **STANDARD ENVIRONMENTAL RECORDS** | | | | | | | | |
| ***Federal NPL site list*** | | | | | | | | |
| NPL | 1.000 | | 0 | 0 | 1 | 0 | NR | 1 |
| Proposed NPL | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| NPL LIENS | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| ***Federal Delisted NPL site list*** | | | | | | | | |
| Delisted NPL | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| ***Federal CERCLIS list*** | | | | | | | | |
| FEDERAL FACILITY | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| SEMS | 0.500 | | 0 | 0 | 1 | NR | NR | 1 |
| ***Federal CERCLIS NFRAP site list*** | | | | | | | | |
| SEMS-ARCHIVE | 0.500 | | 0 | 0 | 2 | NR | NR | 2 |
| ***Federal RCRA CORRACTS facilities list*** | | | | | | | | |
| CORRACTS | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| ***Federal RCRA non-CORRACTS TSD facilities list*** | | | | | | | | |
| RCRA-TSDF | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ***Federal RCRA generators list*** | | | | | | | | |
| RCRA-LQG | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| RCRA-SQG | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| RCRA-VSQG | 0.250 | | 1 | 1 | NR | NR | NR | 2 |
| ***Federal institutional controls / engineering controls registries*** | | | | | | | | |
| LUCIS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| US ENG CONTROLS | 0.500 | | 0 | 0 | 1 | NR | NR | 1 |
| US INST CONTROLS | 0.500 | | 0 | 0 | 1 | NR | NR | 1 |
| ***Federal ERNS list*** | | | | | | | | |
| ERNS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| ***State- and tribal - equivalent CERCLIS*** | | | | | | | | |
| NY SHWS | 1.000 | | 0 | 0 | 4 | 0 | NR | 4 |
| ***State and tribal landfill and/or solid waste disposal site lists*** | | | | | | | | |
| NY SWF/LF | 0.500 | | 0 | 1 | 0 | NR | NR | 1 |
| ***State and tribal leaking storage tank lists*** | | | | | | | | |
| INDIAN LUST | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| NY LTANKS | 0.500 | | 4 | 5 | 15 | NR | NR | 24 |
| NY HIST LTANKS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ***State and tribal registered storage tank lists*** | | | | | | | | |
| FEMA UST | 0.250 | | 0 | 0 | NR | NR | NR | 0 |

# MAP FINDINGS SUMMARY

| Database | Search Distance (Miles) | Target Property | < 1/8 | 1/8 - 1/4 | 1/4 - 1/2 | 1/2 - 1 | > 1 | Total Plotted |
|---|---|---|---|---|---|---|---|---|
| NY UST | 0.250 | 1 | 4 | 6 | NR | NR | NR | 11 |
| NY CBS UST | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| NY MOSF UST | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| NY CBS | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| NY MOSF | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| NY AST | 0.250 | 1 | 2 | 6 | NR | NR | NR | 9 |
| NY CBS AST | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| NY MOSF AST | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| INDIAN UST | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| NY TANKS | 0.250 | | 0 | 1 | NR | NR | NR | 1 |
| ***State and tribal institutional control / engineering control registries*** | | | | | | | | |
| NY RES DECL | 0.125 | | 0 | NR | NR | NR | NR | 0 |
| NY ENG CONTROLS | 0.500 | | 1 | 0 | 1 | NR | NR | 2 |
| NY INST CONTROL | 0.500 | | 1 | 0 | 1 | NR | NR | 2 |
| ***State and tribal voluntary cleanup sites*** | | | | | | | | |
| NY VCP | 0.500 | | 0 | 0 | 1 | NR | NR | 1 |
| INDIAN VCP | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ***State and tribal Brownfields sites*** | | | | | | | | |
| NY BROWNFIELDS | 0.500 | | 1 | 0 | 3 | NR | NR | 4 |
| NY ERP | 0.500 | | 0 | 0 | 2 | NR | NR | 2 |
| **ADDITIONAL ENVIRONMENTAL RECORDS** | | | | | | | | |
| ***Local Brownfield lists*** | | | | | | | | |
| US BROWNFIELDS | 0.500 | | 0 | 1 | 0 | NR | NR | 1 |
| ***Local Lists of Landfill / Solid Waste Disposal Sites*** | | | | | | | | |
| NY SWRCY | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| NY SWTIRE | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| INDIAN ODI | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| DEBRIS REGION 9 | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ODI | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| IHS OPEN DUMPS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ***Local Lists of Hazardous waste / Contaminated Sites*** | | | | | | | | |
| US HIST CDL | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| NY DEL SHWS | 1.000 | | 0 | 0 | 1 | 0 | NR | 1 |
| US CDL | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| NY PFAS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ***Local Lists of Registered Storage Tanks*** | | | | | | | | |
| NY HIST UST | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| NY HIST AST | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| ***Local Land Records*** | | | | | | | | |
| NY LIENS | 0.001 | | 0 | NR | NR | NR | NR | 0 |

# MAP FINDINGS SUMMARY

| Database | Search Distance (Miles) | Target Property | < 1/8 | 1/8 - 1/4 | 1/4 - 1/2 | 1/2 - 1 | > 1 | Total Plotted |
|---|---|---|---|---|---|---|---|---|
| LIENS 2 | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| ***Records of Emergency Release Reports*** | | | | | | | | |
| HMIRS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| NY Spills | 0.125 | | 17 | NR | NR | NR | NR | 17 |
| NY Hist Spills | 0.125 | | 0 | NR | NR | NR | NR | 0 |
| NY SPILLS 90 | 0.125 | | 0 | NR | NR | NR | NR | 0 |
| NY SPILLS 80 | 0.125 | | 0 | NR | NR | NR | NR | 0 |
| ***Other Ascertainable Records*** | | | | | | | | |
| RCRA NonGen / NLR | 0.250 | | 3 | 7 | NR | NR | NR | 10 |
| FUDS | 1.000 | | 0 | 0 | 1 | 0 | NR | 1 |
| DOD | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| SCRD DRYCLEANERS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| US FIN ASSUR | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| EPA WATCH LIST | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| 2020 COR ACTION | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| TSCA | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| TRIS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| SSTS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| ROD | 1.000 | | 0 | 0 | 1 | 0 | NR | 1 |
| RMP | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| RAATS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| PRP | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| PADS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| ICIS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| FTTS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| MLTS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| COAL ASH DOE | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| COAL ASH EPA | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| PCB TRANSFORMER | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| RADINFO | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| HIST FTTS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| DOT OPS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| CONSENT | 1.000 | | 0 | 0 | 1 | 0 | NR | 1 |
| INDIAN RESERV | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| FUSRAP | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| UMTRA | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| LEAD SMELTERS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| US AIRS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| US MINES | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| ABANDONED MINES | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| FINDS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| ECHO | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| DOCKET HWC | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| UXO | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| FUELS PROGRAM | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| NY AIRS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| NY COAL ASH | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| NY DRYCLEANERS | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| NY E DESIGNATION | 0.125 | | 0 | NR | NR | NR | NR | 0 |

# MAP FINDINGS SUMMARY

| Database | Search Distance (Miles) | Target Property | < 1/8 | 1/8 - 1/4 | 1/4 - 1/2 | 1/2 - 1 | > 1 | Total Plotted |
|---|---|---|---|---|---|---|---|---|
| NY Financial Assurance | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| NY HSWDS | 0.500 | | 1 | 0 | 1 | NR | NR | 2 |
| NY MANIFEST | 0.250 | | 4 | 7 | NR | NR | NR | 11 |
| NJ MANIFEST | 0.250 | | 0 | 1 | NR | NR | NR | 1 |
| NY SPDES | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| NY VAPOR REOPENED | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| NY UIC | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| NY COOLING TOWERS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| NY LEAD | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| MINES MRDS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| **EDR HIGH RISK HISTORICAL RECORDS** | | | | | | | | |
| ***EDR Exclusive Records*** | | | | | | | | |
| EDR MGP | 1.000 | | 1 | 0 | 2 | 0 | NR | 3 |
| EDR Hist Auto | 0.125 | | 0 | NR | NR | NR | NR | 0 |
| EDR Hist Cleaner | 0.125 | | 0 | NR | NR | NR | NR | 0 |
| **EDR RECOVERED GOVERNMENT ARCHIVES** | | | | | | | | |
| ***Exclusive Recovered Govt. Archives*** | | | | | | | | |
| NY RGA HWS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| NY RGA LF | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| - Totals -- | | 2 | 40 | 36 | 40 | 0 | 0 | 118 |

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

**A1** **ADMIRAL WILLIAM F. HALSEY SENIOR VILLAGE** **NY UST U003241963**
**Target** **135 MAIN STREET** **NY AST N/A**
**Property** **POUGHKEEPSIE, NY 12601**

**Site 1 of 4 in cluster A**

**Actual:**
**116 ft.**

UST:

| | |
|---|---|
| Name: | ADMIRAL WILLIAM F. HALSEY SENIOR VILLAGE |
| Address: | 135 MAIN STREET |
| City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| Id/Status: | 3-601156 / Active |
| Program Type: | PBS |
| Region: | STATE |
| DEC Region: | 3 |
| Expiration Date: | 11/07/2018 |
| UTM X: | 588689.86910 |
| UTM Y: | 4617617.79047 |
| Site Type: | Apartment Building/Office Building |

Affiliation Records:

| | |
|---|---|
| Site Id: | 34314 |
| Affiliation Type: | Mail Contact |
| Company Name: | RELIANT REALTY SERVICES, INC. |
| Contact Type: | Not reported |
| Contact Name: | PEN WISNESKI |
| Address1: | 885 SECOND AVENUE, 31ST FLOOR |
| Address2: | Not reported |
| City: | NEW YORK |
| State: | NY |
| Zip Code: | 10017 |
| Country Code: | 001 |
| Phone: | (646) 374-0099 105 |
| EMail: | PWISNESKI@RELIANTRS.COM |
| Fax Number: | Not reported |
| Modified By: | BHYUKOWE |
| Date Last Modified: | 2014-05-02 |

| | |
|---|---|
| Site Id: | 34314 |
| Affiliation Type: | Facility Operator |
| Company Name: | ADMIRAL WILLIAM F. HALSEY SENIOR VILLAGE |
| Contact Type: | Not reported |
| Contact Name: | AHMED TAYLOR |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (845) 471-9788 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | BHYUKOWE |
| Date Last Modified: | 2014-05-02 |

| | |
|---|---|
| Site Id: | 34314 |
| Affiliation Type: | Emergency Contact |
| Company Name: | ADMIRAL HALSEY, LP |
| Contact Type: | Not reported |
| Contact Name: | PEN WISNESKI |
| Address1: | Not reported |

**ADMIRAL WILLIAM F. HALSEY SENIOR VILLAGE (Continued)** **U003241963**

| | |
|---|---|
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 999 |
| Phone: | (800) 784-0156 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | BHYUKOWE |
| Date Last Modified: | 2014-05-02 |

| | |
|---|---|
| Site Id: | 34314 |
| Affiliation Type: | Facility Owner |
| Company Name: | ADMIRAL HALSEY, LP |
| Contact Type: | MANAGING MEMBER |
| Contact Name: | EUGENE SCHNEUR |
| Address1: | 885 SECOND AVENUE, 31ST FLOOR, SUITE C |
| Address2: | Not reported |
| City: | NEW YORK |
| State: | NY |
| Zip Code: | 10017 |
| Country Code: | 001 |
| Phone: | (646) 502-7200 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | BHYUKOWE |
| Date Last Modified: | 2014-04-10 |

Tank Info:

| | |
|---|---|
| Tank Number: | 1 |
| Tank ID: | 80612 |
| Tank Status: | Closed - Removed |
| Material Name: | Closed - Removed |
| Capacity Gallons: | 10000 |
| Install Date: | 10/01/1976 |
| Date Tank Closed: | 10/01/1997 |
| Registered: | True |
| Tank Location: | Underground |
| Tank Type: | Steel/carbon steel |
| Material Code: | 0001 |
| Common Name of Substance: | #2 Fuel Oil (On-Site Consumption) |

| | |
|---|---|
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Pipe Model: | Not reported |
| Modified By: | TRANSLAT |
| Last Modified: | 04/14/2017 |

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
B00 - Tank External Protection - None
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
I04 - Overfill - Product Level Gauge (A/G)

**ADMIRAL WILLIAM F. HALSEY SENIOR VILLAGE (Continued)** **U003241963**

C02 - Pipe Location - Underground/On-ground
G00 - Tank Secondary Containment - None

AST:

| | |
|---|---|
| Name: | ADMIRAL WILLIAM F. HALSEY SENIOR VILLAGE |
| Address: | 135 MAIN STREET |
| City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| Region: | STATE |
| DEC Region: | 3 |
| Site Status: | Active |
| Facility Id: | 3-601156 |
| Program Type: | PBS |
| UTM X: | 588689.86910 |
| UTM Y: | 4617617.79047 |
| Expiration Date: | 11/07/2018 |
| Site Type: | Apartment Building/Office Building |

Affiliation Records:

| | |
|---|---|
| Site Id: | 34314 |
| Affiliation Type: | Mail Contact |
| Company Name: | RELIANT REALTY SERVICES, INC. |
| Contact Type: | Not reported |
| Contact Name: | PEN WISNESKI |
| Address1: | 885 SECOND AVENUE, 31ST FLOOR |
| Address2: | Not reported |
| City: | NEW YORK |
| State: | NY |
| Zip Code: | 10017 |
| Country Code: | 001 |
| Phone: | (646) 374-0099 105 |
| EMail: | PWISNESKI@RELIANTRS.COM |
| Fax Number: | Not reported |
| Modified By: | BHYUKOWE |
| Date Last Modified: | 2014-05-02 |

| | |
|---|---|
| Site Id: | 34314 |
| Affiliation Type: | Facility Operator |
| Company Name: | ADMIRAL WILLIAM F. HALSEY SENIOR VILLAGE |
| Contact Type: | Not reported |
| Contact Name: | AHMED TAYLOR |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (845) 471-9788 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | BHYUKOWE |
| Date Last Modified: | 2014-05-02 |

| | |
|---|---|
| Site Id: | 34314 |
| Affiliation Type: | Emergency Contact |
| Company Name: | ADMIRAL HALSEY, LP |
| Contact Type: | Not reported |
| Contact Name: | PEN WISNESKI |

**ADMIRAL WILLIAM F. HALSEY SENIOR VILLAGE (Continued)** **U003241963**

| | |
|---|---|
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 999 |
| Phone: | (800) 784-0156 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | BHYUKOWE |
| Date Last Modified: | 2014-05-02 |

| | |
|---|---|
| Site Id: | 34314 |
| Affiliation Type: | Facility Owner |
| Company Name: | ADMIRAL HALSEY, LP |
| Contact Type: | MANAGING MEMBER |
| Contact Name: | EUGENE SCHNEUR |
| Address1: | 885 SECOND AVENUE, 31ST FLOOR, SUITE C |
| Address2: | Not reported |
| City: | NEW YORK |
| State: | NY |
| Zip Code: | 10017 |
| Country Code: | 001 |
| Phone: | (646) 502-7200 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | BHYUKOWE |
| Date Last Modified: | 2014-04-10 |

Tank Info:

| | |
|---|---|
| Tank Number: | 002 |
| Tank Id: | 226072 |
| Material Code: | 0003 |
| Common Name of Substance: | #6 Fuel Oil (On-Site Consumption) |

Equipment Records:

| | |
|---|---|
| | K00 - Spill Prevention - None |
| | F01 - Pipe External Protection - Painted/Asphalt Coating |
| | G10 - Tank Secondary Containment - Impervious Underlayment |
| | H01 - Tank Leak Detection - Interstitial - Electronic Monitoring |
| | A00 - Tank Internal Protection - None |
| | B01 - Tank External Protection - Painted/Asphalt Coating |
| | D01 - Pipe Type - Steel/Carbon Steel/Iron |
| | E04 - Piping Secondary Containment - Double walled UG |
| | L00 - Piping Leak Detection - None |
| | H05 - Tank Leak Detection - In-Tank System (ATG) |
| | I02 - Overfill - High Level Alarm |
| | I04 - Overfill - Product Level Gauge (A/G) |
| | G02 - Tank Secondary Containment - Vault (w/access) |
| | J05 - Dispenser - On Site Heating System (Supply/Return) |
| | C03 - Pipe Location - Aboveground/Underground Combination |
| Tank Location: | Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated above grade or tank pad, allowing visual inspection. |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | In Service |

**ADMIRAL WILLIAM F. HALSEY SENIOR VILLAGE (Continued)** **U003241963**

| | |
|---|---|
| Pipe Model: | Not reported |
| Install Date: | 06/01/2008 |
| Capacity Gallons: | 10000 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | Not reported |
| Register: | True |
| Modified By: | BHYUKOWE |
| Last Modified: | 04/14/2017 |
| Material Name: | #2 fuel oil (on-site consumption) |

---

**NPL Region West 1/4-1/2 1814 ft.**

**HUDSON RIVER PCBS**
**NO STREET APPLICABLE**
**HUDSON RIVER, NY 12871**

**NPL 1000384273**
**SEMS NYD980763841**
**RCRA-LQG**
**US ENG CONTROLS**
**US INST CONTROLS**
**NY Spills**
**ROD**
**PRP**
**CONSENT**

NPL:

| | |
|---|---|
| Name: | HUDSON RIVER PCBS |
| Address: | NO STREET APPLICABLE |
| City,State,Zip: | HUDSON RIVER, NY 12871 |
| EPA ID: | NYD980763841 |
| EPA Region: | 2 |
| Federal: | N |
| Final Date: | 1984-09-21 00:00:00 |
| Site ID: | 202229 |
| Latitude: | 43.110199999999999 |
| Site Score: | 54.659999999999997 |
| Longitude: | -73.576499999999996 |

Category:

| | |
|---|---|
| EPA ID: | NYD980763841 |
| NPL Status: | Currently on the Final NPL |
| Category Description: | Depth To Aquifer-<= 10 Feet |
| Category Value: | 0 |

| | |
|---|---|
| EPA ID: | NYD980763841 |
| NPL Status: | Currently on the Final NPL |
| Category Description: | Distance To Nearest Population-> 0 And <= 1/4 Mile |
| Category Value: | 10 |

Site:

| | |
|---|---|
| EPA ID: | NYD980763841 |
| Site ID: | 0202229 |
| Site Status: | F |
| Federal Site: | N |
| EPA Region: | 02 |
| Date Proposed: | 09/08/83 |
| Date Deleted: | Not reported |
| Date Finalized: | 09/21/84 |

Substance:

**HUDSON RIVER PCBS (Continued)** **1000384273**

EPA ID: NYD980763841
NPL Status: Currently on the Final NPL
Substance ID: Not reported
Substance: Not reported
CAS #: Not reported
Pathway: Not reported
Scoring: Not reported

EPA ID: NYD980763841
NPL Status: Currently on the Final NPL
Substance ID: A046
Substance: POLYCHLORINATED BIPHENYLS
CAS #: 1336-36-3
Pathway: AIR PATHWAY
Scoring: 4

EPA ID: NYD980763841
NPL Status: Currently on the Final NPL
Substance ID: A046
Substance: POLYCHLORINATED BIPHENYLS
CAS #: 1336-36-3
Pathway: SURFACE WATER PATHWAY
Scoring: 4

Summary Details:

Conditions at listing September 1983): The Hudson River PCBs Site is a 40-mile stretch of the Hudson River between Mechanicville and Fort Edward, New York. General Electric Co. discharged an estimated l.l million pounds of PCBs into this stretch of river. The State has identified 40 hot spots, defined as sediments contaminated with greater than 50 parts per million ppm) of PCBs. Also included in the site are five remnant areas, which are river sediments exposed when thelevel of the river was lowered due to removal of the Fort Edward Dam. The State has taken initial measures to stabili e the remnant areas from erosion. In September 1980, Congress passed an amendment to the Clean Water Act CWA) that included the Hudson River PCB Reclamation Demonstration Project. Under this legislation, the EPA Administrator could authori e a 75 percent grant, not to exceed 20 million. EPA issued a final Environmental Impact Statement in October 1982 evaluating various dredging alternatives for a demonstration project. EPA has prepared a feasibility study to evaluate alternative remedial actions under CERCLA. The Administrator has determined that CERCLA funds may be used for remedial action atthe remnant areas and for evaluating the effectiveness of the water supply system at Waterford, New York. Status June 1984): EPA has completed a draft feasibility study identifying alternatives for remedial action. A search for partiespotentially responsible for wastes associated with the site has been completed, and EPA has sent letters to two potentially responsible parties notifying them of possible legal action under CERCLA.

Site Status:
EPA ID: NYD980763841
NPL Status: Final
Proposed Date: 09/08/1983
Final Date: 09/21/1984
Deleted Date: Not reported

**HUDSON RIVER PCBS (Continued)** **1000384273**

Narratives:
EPA ID: NYD980763841
NPL Name: HUDSON RIVER PCBS

SEMS:
Site ID: 0202229
EPA ID: NYD980763841
Name: HUDSON RIVER PCBS
Address: NO STREET APPLICABLE
Address 2: Not reported
City,State,Zip: HUDSON RIVER, NY 12871-2834
Cong District: 21
FIPS Code: 36115
Latitude: +43.110200
Longitude: -073.576500
FF: N
NPL: Currently on the Final NPL
Non NPL Status: Not reported

SEMS Detail:
Region: 02
Site ID: 0202229
EPA ID: NYD980763841
Site Name: HUDSON RIVER PCBS
NPL: F
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: 1983-09-01 04:00:00
Finish Date: 9/1/1983 4:00:00 AM
Qual: L
Current Action Lead: EPA Perf

Region: 02
Site ID: 0202229
EPA ID: NYD980763841
Site Name: HUDSON RIVER PCBS
NPL: F
FF: N
OU: 01
Action Code: RD
Action Name: RD
SEQ: 2
Start Date: 1989-02-02 05:00:00
Finish Date: 6/5/1989 4:00:00 AM
Qual: Not reported
Current Action Lead: EPA Perf

Region: 02
Site ID: 0202229
EPA ID: NYD980763841
Site Name: HUDSON RIVER PCBS
NPL: F
FF: N

**HUDSON RIVER PCBS (Continued)** **1000384273**

| | |
|---|---|
| OU: | 01 |
| Action Code: | CO |
| Action Name: | RI/FS |
| SEQ: | 1 |
| Start Date: | 1984-03-30 06:00:00 |
| Finish Date: | 9/25/1984 5:00:00 AM |
| Qual: | Not reported |
| Current Action Lead: | EPA Perf |
| | |
| Region: | 02 |
| Site ID: | 0202229 |
| EPA ID: | NYD980763841 |
| Site Name: | HUDSON RIVER PCBS |
| NPL: | F |
| FF: | N |
| OU: | 03 |
| Action Code: | RS |
| Action Name: | RV ASSESS |
| SEQ: | 2 |
| Start Date: | 1992-11-19 05:00:00 |
| Finish Date: | 12/1/1992 5:00:00 AM |
| Qual: | S |
| Current Action Lead: | EPA Perf |
| | |
| Region: | 02 |
| Site ID: | 0202229 |
| EPA ID: | NYD980763841 |
| Site Name: | HUDSON RIVER PCBS |
| NPL: | F |
| FF: | N |
| OU: | 00 |
| Action Code: | CR |
| Action Name: | CI |
| SEQ: | 2 |
| Start Date: | 2002-03-25 05:00:00 |
| Finish Date: | 11/2/2006 5:00:00 AM |
| Qual: | Not reported |
| Current Action Lead: | EPA Perf |
| | |
| Region: | 02 |
| Site ID: | 0202229 |
| EPA ID: | NYD980763841 |
| Site Name: | HUDSON RIVER PCBS |
| NPL: | F |
| FF: | N |
| OU: | 00 |
| Action Code: | NP |
| Action Name: | PROPOSED |
| SEQ: | 1 |
| Start Date: | 1983-09-08 04:00:00 |
| Finish Date: | 9/8/1983 4:00:00 AM |
| Qual: | Not reported |
| Current Action Lead: | EPA Perf |
| | |
| Region: | 02 |
| Site ID: | 0202229 |
| EPA ID: | NYD980763841 |

**HUDSON RIVER PCBS (Continued)** **1000384273**

| | |
|---|---|
| Site Name: | HUDSON RIVER PCBS |
| NPL: | F |
| FF: | N |
| OU: | 00 |
| Action Code: | CR |
| Action Name: | CI |
| SEQ: | 3 |
| Start Date: | 2005-11-07 05:00:00 |
| Finish Date: | Not reported |
| Qual: | Not reported |
| Current Action Lead: | EPA Perf |
| | |
| Region: | 02 |
| Site ID: | 0202229 |
| EPA ID: | NYD980763841 |
| Site Name: | HUDSON RIVER PCBS |
| NPL: | F |
| FF: | N |
| OU: | 00 |
| Action Code: | TG |
| Action Name: | TA GRANT |
| SEQ: | 1 |
| Start Date: | 1995-09-29 04:00:00 |
| Finish Date: | 9/20/2005 4:00:00 AM |
| Qual: | Not reported |
| Current Action Lead: | EPA Perf |
| | |
| Region: | 02 |
| Site ID: | 0202229 |
| EPA ID: | NYD980763841 |
| Site Name: | HUDSON RIVER PCBS |
| NPL: | F |
| FF: | N |
| OU: | 03 |
| Action Code: | RV |
| Action Name: | RMVL |
| SEQ: | 1 |
| Start Date: | 1999-10-06 04:00:00 |
| Finish Date: | 9/14/2001 4:00:00 AM |
| Qual: | S |
| Current Action Lead: | EPA Perf |
| | |
| Region: | 02 |
| Site ID: | 0202229 |
| EPA ID: | NYD980763841 |
| Site Name: | HUDSON RIVER PCBS |
| NPL: | F |
| FF: | N |
| OU: | 00 |
| Action Code: | SS |
| Action Name: | ESI RI |
| SEQ: | 1 |
| Start Date: | 2002-06-30 04:00:00 |
| Finish Date: | 8/31/2005 4:00:00 AM |
| Qual: | W |
| Current Action Lead: | EPA Perf |

**HUDSON RIVER PCBS (Continued)** **1000384273**

| | |
|---|---|
| Region: | 02 |
| Site ID: | 0202229 |
| EPA ID: | NYD980763841 |
| Site Name: | HUDSON RIVER PCBS |
| NPL: | F |
| FF: | N |
| OU: | 00 |
| Action Code: | FE |
| Action Name: | 5 YEAR |
| SEQ: | 1 |
| Start Date: | 2012-06-01 05:00:00 |
| Finish Date: | 6/1/2012 5:00:00 AM |
| Qual: | Not reported |
| Current Action Lead: | EPA Perf |

| | |
|---|---|
| Region: | 02 |
| Site ID: | 0202229 |
| EPA ID: | NYD980763841 |
| Site Name: | HUDSON RIVER PCBS |
| NPL: | F |
| FF: | N |
| OU: | 00 |
| Action Code: | AR |
| Action Name: | ADMIN REC |
| SEQ: | 2 |
| Start Date: | 2000-03-28 05:00:00 |
| Finish Date: | Not reported |
| Qual: | V |
| Current Action Lead: | EPA Perf |

| | |
|---|---|
| Region: | 02 |
| Site ID: | 0202229 |
| EPA ID: | NYD980763841 |
| Site Name: | HUDSON RIVER PCBS |
| NPL: | F |
| FF: | N |
| OU: | 03 |
| Action Code: | RS |
| Action Name: | RV ASSESS |
| SEQ: | 4 |
| Start Date: | 1998-10-14 04:00:00 |
| Finish Date: | 1/7/1999 5:00:00 AM |
| Qual: | Not reported |
| Current Action Lead: | EPA Perf |

| | |
|---|---|
| Region: | 02 |
| Site ID: | 0202229 |
| EPA ID: | NYD980763841 |
| Site Name: | HUDSON RIVER PCBS |
| NPL: | F |
| FF: | N |
| OU: | 02 |
| Action Code: | RA |
| Action Name: | RA |
| SEQ: | 3 |
| Start Date: | 2008-12-04 05:00:00 |
| Finish Date: | 12/23/2009 5:00:00 AM |

**HUDSON RIVER PCBS (Continued)** **1000384273**

| | |
|---|---|
| Qual: | FR |
| Current Action Lead: | EPA Perf |
| | |
| Region: | 02 |
| Site ID: | 0202229 |
| EPA ID: | NYD980763841 |
| Site Name: | HUDSON RIVER PCBS |
| NPL: | F |
| FF: | N |
| OU: | 00 |
| Action Code: | SI |
| Action Name: | SI |
| SEQ: | 1 |
| Start Date: | 1983-08-01 04:00:00 |
| Finish Date: | 9/1/1983 4:00:00 AM |
| Qual: | H |
| Current Action Lead: | EPA Perf |
| | |
| Region: | 02 |
| Site ID: | 0202229 |
| EPA ID: | NYD980763841 |
| Site Name: | HUDSON RIVER PCBS |
| NPL: | F |
| FF: | N |
| OU: | 00 |
| Action Code: | MA |
| Action Name: | ST COOP |
| SEQ: | 2 |
| Start Date: | 1991-02-22 05:00:00 |
| Finish Date: | 4/3/2007 4:00:00 AM |
| Qual: | Not reported |
| Current Action Lead: | EPA Perf |
| | |
| Region: | 02 |
| Site ID: | 0202229 |
| EPA ID: | NYD980763841 |
| Site Name: | HUDSON RIVER PCBS |
| NPL: | F |
| FF: | N |
| OU: | 02 |
| Action Code: | AR |
| Action Name: | ADMIN REC |
| SEQ: | 1 |
| Start Date: | 1992-04-24 04:00:00 |
| Finish Date: | Not reported |
| Qual: | E |
| Current Action Lead: | EPA Perf |
| | |
| Region: | 02 |
| Site ID: | 0202229 |
| EPA ID: | NYD980763841 |
| Site Name: | HUDSON RIVER PCBS |
| NPL: | F |
| FF: | N |
| OU: | 02 |
| Action Code: | CO |
| Action Name: | RI/FS |

**HUDSON RIVER PCBS (Continued)** **1000384273**

SEQ: 2
Start Date: 1990-07-25 04:00:00
Finish Date: 2/1/2002 5:00:00 AM
Qual: Not reported
Current Action Lead: EPA Perf

Region: 02
Site ID: 0202229
EPA ID: NYD980763841
Site Name: HUDSON RIVER PCBS
NPL: F
FF: N
OU: 00
Action Code: NF
Action Name: NPL FINL
SEQ: 1
Start Date: 1984-09-21 05:00:00
Finish Date: 9/21/1984 5:00:00 AM
Qual: Not reported
Current Action Lead: EPA Perf

Region: 02
Site ID: 0202229
EPA ID: NYD980763841
Site Name: HUDSON RIVER PCBS
NPL: F
FF: N
OU: 00
Action Code: RS
Action Name: RV ASSESS
SEQ: 1
Start Date: 1990-04-17 04:00:00
Finish Date: 8/21/1990 4:00:00 AM
Qual: S
Current Action Lead: EPA Perf

Region: 02
Site ID: 0202229
EPA ID: NYD980763841
Site Name: HUDSON RIVER PCBS
NPL: F
FF: N
OU: 01
Action Code: RO
Action Name: ROD
SEQ: 1
Start Date: 1984-09-25 05:00:00
Finish Date: 9/25/1984 5:00:00 AM
Qual: Not reported
Current Action Lead: EPA Perf

Region: 02
Site ID: 0202229
EPA ID: NYD980763841
Site Name: HUDSON RIVER PCBS
NPL: F
FF: N

**HUDSON RIVER PCBS (Continued)** **1000384273**

| | |
|---|---|
| OU: | 02 |
| Action Code: | RO |
| Action Name: | ROD |
| SEQ: | 2 |
| Start Date: | 2002-02-01 05:00:00 |
| Finish Date: | 2/1/2002 5:00:00 AM |
| Qual: | R |
| Current Action Lead: | EPA Perf |
| | |
| Region: | 02 |
| Site ID: | 0202229 |
| EPA ID: | NYD980763841 |
| Site Name: | HUDSON RIVER PCBS |
| NPL: | F |
| FF: | N |
| OU: | 00 |
| Action Code: | CR |
| Action Name: | CI |
| SEQ: | 1 |
| Start Date: | 1991-09-30 04:00:00 |
| Finish Date: | Not reported |
| Qual: | Not reported |
| Current Action Lead: | EPA Perf |
| | |
| Region: | 02 |
| Site ID: | 0202229 |
| EPA ID: | NYD980763841 |
| Site Name: | HUDSON RIVER PCBS |
| NPL: | F |
| FF: | N |
| OU: | 03 |
| Action Code: | RS |
| Action Name: | RV ASSESS |
| SEQ: | 3 |
| Start Date: | 1998-06-03 04:00:00 |
| Finish Date: | 6/24/1999 4:00:00 AM |
| Qual: | Not reported |
| Current Action Lead: | EPA Perf |
| | |
| Region: | 02 |
| Site ID: | 0202229 |
| EPA ID: | NYD980763841 |
| Site Name: | HUDSON RIVER PCBS |
| NPL: | F |
| FF: | N |
| OU: | 00 |
| Action Code: | DS |
| Action Name: | DISCVRY |
| SEQ: | 1 |
| Start Date: | 1983-07-01 04:00:00 |
| Finish Date: | 7/1/1983 4:00:00 AM |
| Qual: | Not reported |
| Current Action Lead: | EPA Perf |
| | |
| Region: | 02 |
| Site ID: | 0202229 |
| EPA ID: | NYD980763841 |

**HUDSON RIVER PCBS (Continued)** **1000384273**

| | |
|---|---|
| Site Name: | HUDSON RIVER PCBS |
| NPL: | F |
| FF: | N |
| OU: | 02 |
| Action Code: | RA |
| Action Name: | RA |
| SEQ: | 2 |
| Start Date: | 2008-05-09 04:00:00 |
| Finish Date: | 11/24/2009 5:00:00 AM |
| Qual: | FR |
| Current Action Lead: | EPA Perf |
| | |
| Region: | 02 |
| Site ID: | 0202229 |
| EPA ID: | NYD980763841 |
| Site Name: | HUDSON RIVER PCBS |
| NPL: | F |
| FF: | N |
| OU: | 00 |
| Action Code: | FE |
| Action Name: | 5 YEAR |
| SEQ: | 2 |
| Start Date: | 2016-03-29 05:00:00 |
| Finish Date: | 4/11/2019 5:00:00 AM |
| Qual: | Not reported |
| Current Action Lead: | EPA Perf |
| | |
| Region: | 02 |
| Site ID: | 0202229 |
| EPA ID: | NYD980763841 |
| Site Name: | HUDSON RIVER PCBS |
| NPL: | F |
| FF: | N |
| OU: | 01 |
| Action Code: | BE |
| Action Name: | PRP RD |
| SEQ: | 2 |
| Start Date: | 1989-09-27 04:00:00 |
| Finish Date: | 9/28/1990 4:00:00 AM |
| Qual: | Not reported |
| Current Action Lead: | EPA Ovrsght |
| | |
| Region: | 02 |
| Site ID: | 0202229 |
| EPA ID: | NYD980763841 |
| Site Name: | HUDSON RIVER PCBS |
| NPL: | F |
| FF: | N |
| OU: | 00 |
| Action Code: | EL |
| Action Name: | PRP CR |
| SEQ: | 1 |
| Start Date: | 1989-07-07 04:00:00 |
| Finish Date: | Not reported |
| Qual: | Not reported |
| Current Action Lead: | EPA Ovrsght |

**HUDSON RIVER PCBS (Continued)** **1000384273**

| | |
|---|---|
| Region: | 02 |
| Site ID: | 0202229 |
| EPA ID: | NYD980763841 |
| Site Name: | HUDSON RIVER PCBS |
| NPL: | F |
| FF: | N |
| OU: | 02 |
| Action Code: | BE |
| Action Name: | PRP RD |
| SEQ: | 4 |
| Start Date: | 2003-08-14 04:00:00 |
| Finish Date: | 1/25/2008 5:00:00 AM |
| Qual: | Not reported |
| Current Action Lead: | EPA Ovrsght |

| | |
|---|---|
| Region: | 02 |
| Site ID: | 0202229 |
| EPA ID: | NYD980763841 |
| Site Name: | HUDSON RIVER PCBS |
| NPL: | F |
| FF: | N |
| OU: | 02 |
| Action Code: | BE |
| Action Name: | PRP RD |
| SEQ: | 3 |
| Start Date: | 2002-07-23 04:00:00 |
| Finish Date: | Not reported |
| Qual: | Not reported |
| Current Action Lead: | EPA Ovrsght |

| | |
|---|---|
| Region: | 02 |
| Site ID: | 0202229 |
| EPA ID: | NYD980763841 |
| Site Name: | HUDSON RIVER PCBS |
| NPL: | F |
| FF: | N |
| OU: | 02 |
| Action Code: | BF |
| Action Name: | PRP RA |
| SEQ: | 3 |
| Start Date: | 2005-09-06 04:00:00 |
| Finish Date: | 9/4/2012 5:00:00 AM |
| Qual: | Not reported |
| Current Action Lead: | EPA Ovrsght |

| | |
|---|---|
| Region: | 02 |
| Site ID: | 0202229 |
| EPA ID: | NYD980763841 |
| Site Name: | HUDSON RIVER PCBS |
| NPL: | F |
| FF: | N |
| OU: | 04 |
| Action Code: | BD |
| Action Name: | PRP RI/FS |
| SEQ: | 1 |
| Start Date: | 2008-09-08 04:00:00 |
| Finish Date: | Not reported |

**HUDSON RIVER PCBS (Continued)** **1000384273**

| | |
|---|---|
| Qual: | Not reported |
| Current Action Lead: | EPA Ovrsght |
| | |
| Region: | 02 |
| Site ID: | 0202229 |
| EPA ID: | NYD980763841 |
| Site Name: | HUDSON RIVER PCBS |
| NPL: | F |
| FF: | N |
| OU: | 02 |
| Action Code: | BE |
| Action Name: | PRP RD |
| SEQ: | 6 |
| Start Date: | 2003-08-14 04:00:00 |
| Finish Date: | 4/26/2011 5:00:00 AM |
| Qual: | Not reported |
| Current Action Lead: | EPA Ovrsght |
| | |
| Region: | 02 |
| Site ID: | 0202229 |
| EPA ID: | NYD980763841 |
| Site Name: | HUDSON RIVER PCBS |
| NPL: | F |
| FF: | N |
| OU: | 04 |
| Action Code: | BB |
| Action Name: | PRP RV |
| SEQ: | 1 |
| Start Date: | 2007-09-11 04:00:00 |
| Finish Date: | 4/10/2012 4:00:00 AM |
| Qual: | S |
| Current Action Lead: | EPA Ovrsght |
| | |
| Region: | 02 |
| Site ID: | 0202229 |
| EPA ID: | NYD980763841 |
| Site Name: | HUDSON RIVER PCBS |
| NPL: | F |
| FF: | N |
| OU: | 00 |
| Action Code: | PJ |
| Action Name: | RP EM REM |
| SEQ: | 1 |
| Start Date: | 2007-08-24 04:00:00 |
| Finish Date: | 8/27/2007 4:00:00 AM |
| Qual: | C |
| Current Action Lead: | EPA Ovrsght |
| | |
| Region: | 02 |
| Site ID: | 0202229 |
| EPA ID: | NYD980763841 |
| Site Name: | HUDSON RIVER PCBS |
| NPL: | F |
| FF: | N |
| OU: | 01 |
| Action Code: | BE |
| Action Name: | PRP RD |

**HUDSON RIVER PCBS (Continued)** **1000384273**

SEQ: 1
Start Date: 1989-05-18 04:00:00
Finish Date: 1/7/1991 5:00:00 AM
Qual: Not reported
Current Action Lead: EPA Ovrsght

Region: 02
Site ID: 0202229
EPA ID: NYD980763841
Site Name: HUDSON RIVER PCBS
NPL: F
FF: N
OU: 01
Action Code: BF
Action Name: PRP RA
SEQ: 1
Start Date: 1989-10-13 04:00:00
Finish Date: 9/29/1992 4:00:00 AM
Qual: Not reported
Current Action Lead: EPA Ovrsght

Region: 02
Site ID: 0202229
EPA ID: NYD980763841
Site Name: HUDSON RIVER PCBS
NPL: F
FF: N
OU: 01
Action Code: BF
Action Name: PRP RA
SEQ: 2
Start Date: 1990-09-28 04:00:00
Finish Date: 9/29/1992 4:00:00 AM
Qual: Not reported
Current Action Lead: EPA Ovrsght

Region: 02
Site ID: 0202229
EPA ID: NYD980763841
Site Name: HUDSON RIVER PCBS
NPL: F
FF: N
OU: 02
Action Code: BF
Action Name: PRP RA
SEQ: 4
Start Date: 2010-12-31 05:00:00
Finish Date: 4/11/2019 5:00:00 AM
Qual: Not reported
Current Action Lead: EPA Ovrsght

Region: 02
Site ID: 0202229
EPA ID: NYD980763841
Site Name: HUDSON RIVER PCBS
NPL: F
FF: N

**HUDSON RIVER PCBS (Continued)** **1000384273**

| | |
|---|---|
| OU: | 02 |
| Action Code: | OM |
| Action Name: | OM |
| SEQ: | 1 |
| Start Date: | 2019-04-11 05:00:00 |
| Finish Date: | Not reported |
| Qual: | Not reported |
| Current Action Lead: | EPA Ovrsght |
| | |
| Region: | 02 |
| Site ID: | 0202229 |
| EPA ID: | NYD980763841 |
| Site Name: | HUDSON RIVER PCBS |
| NPL: | F |
| FF: | N |
| OU: | 01 |
| Action Code: | RD |
| Action Name: | RD |
| SEQ: | 1 |
| Start Date: | 1984-09-28 05:00:00 |
| Finish Date: | 5/18/1990 4:00:00 AM |
| Qual: | Not reported |
| Current Action Lead: | St Perf |

RCRA-LQG:

| | |
|---|---|
| Date Form Received by Agency: | 2018-02-15 00:00:00.0 |
| Handler Name: | GE HUDSON RIVER SEDIMENT REMEDIATION PROCESSING AN FACILITY |
| Handler Address: | 446 LOCK 8 WAY |
| Handler City,State,Zip: | HUDSON FALLS, NY 12839 |
| EPA ID: | NYD980763841 |
| Contact Name: | ROBERT G GIBSON |
| Contact Address: | RIVER ROAD |
| Contact City,State,Zip: | SCHENECTADY, NY 12345 |
| Contact Telephone: | 518-388-7505 |
| Contact Fax: | Not reported |
| Contact Email: | BOB.GIBSON@GE.COM |
| Contact Title: | SENIOR PROJECT MANAGER |
| EPA Region: | 02 |
| Land Type: | Other |
| Federal Waste Generator Description: | Large Quantity Generator |
| Non-Notifier: | Not reported |
| Biennial Report Cycle: | 2017 |
| Accessibility: | Not reported |
| Active Site Indicator: | Handler Activities |
| State District Owner: | NY |
| State District: | NYSDEC R5 |
| Mailing Address: | RIVER ROAD |
| Mailing City,State,Zip: | SCHENECTADY, NY 12345 |
| Owner Name: | SEE COMMENTS IN SECTION 18 |
| Owner Type: | Other |
| Operator Name: | GENERAL ELECTRIC COMPANY |
| Operator Type: | Private |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |

**HUDSON RIVER PCBS (Continued)** **1000384273**

| | |
|---|---|
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site Fed-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site Converter Treatment storage and Disposal Facility: | Not reported |
| Active Site State-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | NN |
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 2018-11-06 18:35:53.0 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | No |
| Manifest Broker: | No |
| Sub-Part P Indicator: | Not reported |

Biennial: List of Years

| | |
|---|---|
| Year: | 2017 |

**HUDSON RIVER PCBS (Continued)** **1000384273**

Click Here for Biennial Reporting System Data:
Year: 2013

Click Here for Biennial Reporting System Data:
Year: 2011

Click Here for Biennial Reporting System Data:
Year: 2009

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D006
Waste Description: CADMIUM

Waste Code: D007
Waste Description: CHROMIUM

Waste Code: D008
Waste Description: LEAD

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: CANADIAN PACIFIC RAILROAD
Legal Status: Private
Date Became Current: 2007-05-02 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: 401 9TH AVE SW
Owner/Operator City,State,Zip: CALGARY, AB T2P4Z4
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: GENERAL ELECTRIC CO
Legal Status: Private
Date Became Current: 2007-04-02 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: SEE SECTION 11 COMMENTS
Legal Status: State
Date Became Current: 2007-05-02 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: NY
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported

**HUDSON RIVER PCBS (Continued)** **1000384273**

| | |
|---|---|
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| | |
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | GENERAL ELECTRIC COMPANY |
| Legal Status: | Private |
| Date Became Current: | 2007-04-23 00:00:00. |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 1 RIVER ROAD |
| Owner/Operator City,State,Zip: | SCHENECTADY, NY 12345 |
| Owner/Operator Telephone: | 518-388-7505 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| | |
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | CANADIAN PACIFIC RR |
| Legal Status: | Private |
| Date Became Current: | 2007-04-23 00:00:00. |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 9TH AVE SW |
| Owner/Operator City,State,Zip: | CALGARY T2P 4Z4 |
| Owner/Operator Telephone: | Not reported |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| | |
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | GENERAL ELECTRIC COMPANY |
| Legal Status: | Private |
| Date Became Current: | 2007-04-23 00:00:00. |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 9TH AVE SW |
| Owner/Operator City,State,Zip: | CALGARY T2P 4Z4 |
| Owner/Operator Telephone: | Not reported |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| | |
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | GE HUDSON RIVER SEDIMENT REMEDIATION |
| Legal Status: | Private |
| Date Became Current: | 2007-04-23 00:00:00. |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 381 BROADWAY |
| Owner/Operator City,State,Zip: | FORT EDWARD, NY 12828 |
| Owner/Operator Telephone: | Not reported |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| | |
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | WCC LLC |
| Legal Status: | Private |
| Date Became Current: | 2007-04-02 00:00:00. |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 67 WILLOW GLEN |

**HUDSON RIVER PCBS (Continued)** **1000384273**

| | |
|---|---|
| Owner/Operator City,State,Zip: | MECHANICVILLE, NY 12188 |
| Owner/Operator Telephone: | Not reported |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| | |
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | GE HUDSON RIVER SEDIMENT REMEDIATION |
| Legal Status: | Private |
| Date Became Current: | 2007-04-23 00:00:00. |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 381 BROADWAY |
| Owner/Operator City,State,Zip: | FORT EDWARD, NY 12828 |
| Owner/Operator Telephone: | Not reported |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| | |
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | SEE COMMENTS IN SECTION 18 |
| Legal Status: | Other |
| Date Became Current: | 2007-02-04 00:00:00. |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 446 LOCK WAY |
| Owner/Operator City,State,Zip: | HUDSON FALLS, NY 12839 |
| Owner/Operator Telephone: | Not reported |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| | |
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | USEPA |
| Legal Status: | Federal |
| Date Became Current: | 2008-06-04 00:00:00. |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | Not reported |
| Owner/Operator City,State,Zip: | Not reported |
| Owner/Operator Telephone: | Not reported |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| | |
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | GENERAL ELECTRIC COMPANY |
| Legal Status: | Private |
| Date Became Current: | 2007-04-23 00:00:00. |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | Not reported |
| Owner/Operator City,State,Zip: | Not reported |
| Owner/Operator Telephone: | Not reported |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

Historic Generators:

| | |
|---|---|
| Receive Date: | 2010-03-03 00:00:00.0 |
| Handler Name: | GE HUDSON RIVER SEDIMENT REMEDIATION PROCESSING AND TRANSPO |

**HUDSON RIVER PCBS (Continued)** **1000384273**

| | |
|---|---|
| | FACILITY |
| Federal Waste Generator Description: | Large Quantity Generator |
| State District Owner: | Not reported |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | No |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |
| | |
| Receive Date: | 2012-03-01 00:00:00.0 |
| Handler Name: | GE HUDSON RIVER SEDIMENT REMEDIATION PROCESSING AND TRANSPO |
| | FACILITY |
| Federal Waste Generator Description: | Large Quantity Generator |
| State District Owner: | NY |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | No |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |
| | |
| Receive Date: | 2014-03-03 00:00:00.0 |
| Handler Name: | GE HUDSON RIVER SEDIMENT REMEDIATION PROCESSING AND TRANSPO |
| | FACILITY |
| Federal Waste Generator Description: | Small Quantity Generator |
| State District Owner: | NY |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | No |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |
| | |
| Receive Date: | 2018-02-15 00:00:00.0 |
| Handler Name: | GE HUDSON RIVER SEDIMENT REMEDIATION PROCESSING AND TRANSPO |
| | FACILITY |
| Federal Waste Generator Description: | Large Quantity Generator |
| State District Owner: | NY |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | Yes |
| Non Storage Recycler Activity: | No |
| Electronic Manifest Broker: | No |
| | |
| Receive Date: | 2006-01-01 00:00:00.0 |
| Handler Name: | HUDSON RIVER PCBS (ROGERS ISLAND) USEPA |
| Federal Waste Generator Description: | Not a generator, verified |

**HUDSON RIVER PCBS (Continued)** **1000384273**

| | |
|---|---|
| State District Owner: | NY |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | No |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |

| | |
|---|---|
| Receive Date: | 2007-01-01 00:00:00.0 |
| Handler Name: | HUDSON RIVER PCBS (ROGERS ISLAND) USEPA |
| Federal Waste Generator Description: | Not a generator, verified |
| State District Owner: | NY |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | No |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |

| | |
|---|---|
| Receive Date: | 2008-08-29 00:00:00.0 |
| Handler Name: | HUDSON RIVER PCBS (ROGERS ISLAND) SUPERFUND USEPA |
| Federal Waste Generator Description: | Large Quantity Generator |
| State District Owner: | NY |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | No |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |

| | |
|---|---|
| Receive Date: | 2001-01-01 00:00:00.0 |
| Handler Name: | HUDSON RIVER PCBS (ROGERS ISLAND) USEPA |
| Federal Waste Generator Description: | Large Quantity Generator |
| State District Owner: | NY |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | No |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |

List of NAICS Codes and Descriptions:

| | |
|---|---|
| NAICS Code: | 56291 |
| NAICS Description: | REMEDIATION SERVICES |

Facility Has Received Notices of Violation:

No Violations Found:

**HUDSON RIVER PCBS (Continued)** **1000384273**

Evaluation Action Summary:

No Evaluations Found:

SIte:

| | |
|---|---|
| Name: | HUDSON RIVER PCBS |
| Address: | NO STREET APPLICABLE |
| Address 2: | Not reported |
| City,State,Zip: | HUDSON RIVER, NY 12871-2834 |
| Event Code: | Not reported |
| Action Taken Date: | 02/01/2002 |
| EPA ID: | NYD980763841 |
| Site ID: | 0202229 |
| Action Name: | GOVT Decision Document (ROD) |
| Action ID: | 2 |
| Operable Unit: | 02 |
| Action Completion Date: | 12/30/2001 |
| Contaminated Media: | Surface Water |
| Contact Name: | Not reported |
| Contact Telephone: | Not reported |
| Event: | Not reported |

Media:

| | |
|---|---|
| EPA ID: | NYD980763841 |
| Contaminated Media: | Sediment |
| Site ID: | 0202229 |
| Action ID: | 1 |
| Action Completion Date: | 09/30/1984 |
| Operable Unit: | 01 |
| Action Name: | GOVT Decision Document (ROD) |
| Action Taken Date: | 09/25/1984 |
| Event Code: | Not reported |
| Contact Name: | Not reported |
| Contact Telephone: | Not reported |
| Event: | Not reported |

| | |
|---|---|
| EPA ID: | NYD980763841 |
| Contaminated Media: | Surface Water |
| Site ID: | 0202229 |
| Action ID: | 2 |
| Action Completion Date: | 12/30/2001 |
| Operable Unit: | 02 |
| Action Name: | GOVT Decision Document (ROD) |
| Action Taken Date: | 02/01/2002 |
| Event Code: | Not reported |
| Contact Name: | Not reported |
| Contact Telephone: | Not reported |
| Event: | Not reported |

| | |
|---|---|
| EPA ID: | NYD980763841 |
| Contaminated Media: | Sediment |
| Site ID: | 0202229 |
| Action ID: | 1 |
| Action Completion Date: | 09/30/1984 |
| Operable Unit: | 01 |
| Action Name: | GOVT Decision Document (ROD) |

**HUDSON RIVER PCBS (Continued)** **1000384273**

| | |
|---|---|
| Action Taken Date: | 09/25/1984 |
| Event Code: | Not reported |
| Contact Name: | Not reported |
| Contact Telephone: | Not reported |
| Event: | Not reported |
| | |
| EPA ID: | NYD980763841 |
| Contaminated Media: | Sediment |
| Site ID: | 0202229 |
| Action ID: | 2 |
| Action Completion Date: | 12/30/2001 |
| Operable Unit: | 02 |
| Action Name: | GOVT Decision Document (ROD) |
| Action Taken Date: | 02/01/2002 |
| Event Code: | Not reported |
| Contact Name: | Not reported |
| Contact Telephone: | Not reported |
| Event: | Not reported |
| | |
| EPA ID: | NYD980763841 |
| Contaminated Media: | Surface Water |
| Site ID: | 0202229 |
| Action ID: | 2 |
| Action Completion Date: | 12/30/2001 |
| Operable Unit: | 02 |
| Action Name: | GOVT Decision Document (ROD) |
| Action Taken Date: | 02/01/2002 |
| Event Code: | Not reported |
| Contact Name: | Not reported |
| Contact Telephone: | Not reported |
| Event: | Not reported |
| | |
| EPA ID: | NYD980763841 |
| Contaminated Media: | Sediment |
| Site ID: | 0202229 |
| Action ID: | 1 |
| Action Completion Date: | 09/30/1984 |
| Operable Unit: | 01 |
| Action Name: | GOVT Decision Document (ROD) |
| Action Taken Date: | 09/25/1984 |
| Event Code: | Not reported |
| Contact Name: | Not reported |
| Contact Telephone: | Not reported |
| Event: | Not reported |
| | |
| EPA ID: | NYD980763841 |
| Contaminated Media: | Sediment |
| Site ID: | 0202229 |
| Action ID: | 1 |
| Action Completion Date: | 09/30/1984 |
| Operable Unit: | 01 |
| Action Name: | GOVT Decision Document (ROD) |
| Action Taken Date: | 09/25/1984 |
| Event Code: | Not reported |
| Contact Name: | Not reported |
| Contact Telephone: | Not reported |
| Event: | Not reported |

**HUDSON RIVER PCBS (Continued)** **1000384273**

EPA ID: NYD980763841
Contaminated Media: Sediment
Site ID: 0202229
Action ID: 2
Action Completion Date: 12/30/2001
Operable Unit: 02
Action Name: GOVT Decision Document (ROD)
Action Taken Date: 02/01/2002
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported

EPA ID: NYD980763841
Contaminated Media: Sediment
Site ID: 0202229
Action ID: 2
Action Completion Date: 12/30/2001
Operable Unit: 02
Action Name: GOVT Decision Document (ROD)
Action Taken Date: 02/01/2002
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported

EPA ID: NYD980763841
Contaminated Media: Sediment
Site ID: 0202229
Action ID: 2
Action Completion Date: 12/30/2001
Operable Unit: 02
Action Name: GOVT Decision Document (ROD)
Action Taken Date: 02/01/2002
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported

US INST CONTROLS:
Name: HUDSON RIVER PCBS
Address: NO STREET APPLICABLE
Address 2: Not reported
City,State,Zip: HUDSON RIVER, NY 12871-2834
EPA ID: NYD980763841
Site ID: 0202229
Action Name: GOVT Decision Document (ROD)
Action ID: 2
Operable Unit: 02
Action Completion Date: 12/30/2001
Actual Date: 02/01/2002
Contaminated Media: Surface Water
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported

**HUDSON RIVER PCBS (Continued)** **1000384273**

SPILLS:

| | |
|---|---|
| Name: | HUDSON RIVER |
| Address: | HUDSON RIVER |
| City,State,Zip: | OSSINING, NY |
| Spill Number/Closed Date: | 0308107 / 2003-10-31 |
| Facility ID: | 0308107 |
| Facility Type: | ER |
| DER Facility ID: | 278391 |
| Site ID: | 237813 |
| DEC Region: | 3 |
| Spill Cause: | Abandoned Drums |
| Spill Class: | D4 |
| SWIS: | 6000 |
| Spill Date: | 2003-10-31 |
| Investigator: | rxamato |
| Referred To: | Not reported |
| Reported to Dept: | 2003-10-31 |
| CID: | 297 |
| Water Affected: | HUDSON RIVER |
| Spill Source: | Unknown |
| Spill Notifier: | Federal Government |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Std: | True |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 2003-10-31 |
| Spill Record Last Update: | 2003-11-06 |
| Spiller Name: | Not reported |
| Spiller Company: | UNKNOWN |
| Spiller Address: | Not reported |
| Spiller Company: | 001 |
| Contact Name: | PETTY OFFFICER HAWKINS |
| DEC Memo: | "Prior to Sept, 2004 data translation this spill Lead_DEC Field was SMITH 10/31/03: MEG hired by USCG to remove test and dispose. Container did not leak." |
| Remarks: | "CALL TO NRC REPORTING A 55 GALLON DRUM OF UNKNOWN PETROLEUM FLOATING - USCG IS REPOSNDING TO THE SITE" |

All Materials:

| | |
|---|---|
| Site ID: | 237813 |
| Operable Unit ID: | 874400 |
| Operable Unit: | 01 |
| Material ID: | 501630 |
| Material Code: | 0066A |
| Material Name: | unknown petroleum |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | 55.00 |
| Units: | G |
| Recovered: | .00 |
| Oxygenate: | Not reported |

ROD:

| | |
|---|---|
| Name: | HUDSON RIVER PCBS |

**HUDSON RIVER PCBS (Continued)** **1000384273**

Address: NO STREET APPLICABLE
City,State,Zip: HUDSON RIVER, NY 12871
EPA ID: NYD980763841
RG: 2
Site ID: 202229
Action: GOVT Decision Document (ROD)
Operable Unit Number: REMNANT DEPOSIT CAPPING
SEQ ID: 1
Action Completion: 1984-09-25 00:00:00
NPL Status: Final
Non NPL Status: Not reported

Name: HUDSON RIVER PCBS
Address: NO STREET APPLICABLE
City,State,Zip: HUDSON RIVER, NY 12871
EPA ID: NYD980763841
RG: 2
Site ID: 202229
Action: GOVT Decision Document (ROD)
Operable Unit Number: REASSESSMENT RIVER
SEQ ID: 2
Action Completion: 2002-02-01 00:00:00
NPL Status: Final
Non NPL Status: Not reported

PRP:
PRP Name: DELAWARE AND HUDSON RAILWAY CO INC
GENERAL ELECTRIC COMPANY
GENERAL ELECTRIC COMPANY
GENERAL ELECTRIC COMPANY
GENERAL ELECTRIC COMPANY
GENERAL ELECTRIC COMPANY
GENERAL ELECTRIC COMPANY
GENERAL ELECTRIC COMPANY
GENERAL ELECTRIC COMPANY
GENERAL ELECTRIC COMPANY
GENERAL ELECTRIC COMPANY
GENERAL ELECTRIC COMPANY
GOLUB PROPERTIES OF WATERVLIET INC
NEW YORK STATE CANAL CORPORATION
NIAGARA MOHAWK POWER COMPANY
TOWN OF HALFMOON NEW YORK
VILLAGE OF STILLWATER
WATER COMMISSIONERS OF THE TOWN OF WATERFORD

CONSENT:
EPA ID: NYD980763841
Site ID: 0284
Case Title: U.S.V. GENERAL ELECTRIC COMPANY (HUDSON RIVER) (EPA-SUPERFUND)
Court Num: 05-1270
District: New York, North
Entered Date: 11/02/06
Name: HUDSON RIVER PCBS
Name: HUDSON RIVER PCBS
Address: NO STREET APPLICABLE
City,State,Zip: HUDSON RIVER, NY 12801

**HUDSON RIVER PCBS (Continued)** **1000384273**

County: WASHINGTON

EPA ID: NYD980763841
Site ID: 0284
Case Title: U.S.V. GENERAL ELECTRIC COMPANY (HUDSON RIVER) (EPA-SUPERFUND)
Court Num: 05-1270
District: New York, North
Entered Date: 11/02/06
Name: HUDSON RIVER PCBS
Name: HUDSON RIVER PCBS
Address: NO STREET APPLICABLE
City,State,Zip: HUDSON RIVER, NY 12801
County: WASHINGTON

EPA ID: NYD980763841
Site ID: 0284
Case Title: U.S.V. GENERAL ELECTRIC COMPANY (HUDSON RIVER) (EPA-SUPERFUND)
Court Num: 05-1270
District: New York, North
Entered Date: 11/02/06
Name: HUDSON RIVER PCBS
Name: HUDSON RIVER PCBS
Address: NO STREET APPLICABLE
City,State,Zip: HUDSON RIVER, NY 12801
County: WASHINGTON

EPA ID: NYD980763841
Site ID: Not reported
Case Title: Not reported
Court Num: Not reported
District: Not reported
Entered Date: Not reported
Name: US V. GENERAL ELECTRIC COMPANY
Name: HUDSON RIVER PCBS
Address: NO STREET APPLICABLE
City,State,Zip: HUDSON RIVER, NY 12801
County: WASHINGTON

EPA ID: NYD980763841
Site ID: 0284
Case Title: U.S.V. GENERAL ELECTRIC COMPANY (HUDSON RIVER) (EPA-SUPERFUND)
Court Num: 05-1270
District: New York, North
Entered Date: 11/02/06
Name: HUDSON RIVER PCBS
Name: HUDSON RIVER PCBS
Address: NO STREET APPLICABLE
City,State,Zip: HUDSON RIVER, NY 12801
County: WASHINGTON

**A2** **RIVER CARE NURSING HOME** **NY UST** **U003297862**
**139-144 MAIN ST** **N/A**
**< 1/8** **POUGHKEEPSIE, NY 12601**
**1 ft.**

**Site 2 of 4 in cluster A**

**Relative:**
**Higher**

**Actual:**
**116 ft.**

UST:

| | |
|---|---|
| Name: | RIVER CARE NURSING HOME |
| Address: | 139-144 MAIN ST |
| City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| Id/Status: | 3-601201 / Unregulated/Closed |
| Program Type: | PBS |
| Region: | STATE |
| DEC Region: | 3 |
| Expiration Date: | N/A |
| UTM X: | 588688.53515 |
| UTM Y: | 4617617.99594 |
| Site Type: | Hospital/Nursing Home/Health Care |

Affiliation Records:

| | |
|---|---|
| Site Id: | 34338 |
| Affiliation Type: | Facility Owner |
| Company Name: | POUGHKEEPSIE URBAN RENEWAL |
| Contact Type: | DIRECTOR OF FACILITIES |
| Contact Name: | AVI KAHN |
| Address1: | P.O. BOX 300 |
| Address2: | Not reported |
| City: | POUGHKEEPSIE |
| State: | NY |
| Zip Code: | 12601 |
| Country Code: | 001 |
| Phone: | (914) 876-4400 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | GAAHLERS |
| Date Last Modified: | 2018-03-30 |

| | |
|---|---|
| Site Id: | 34338 |
| Affiliation Type: | Mail Contact |
| Company Name: | THE GRAND AT RIVER VALLEY |
| Contact Type: | Not reported |
| Contact Name: | AVI KAHN |
| Address1: | 140 MAIN ST |
| Address2: | Not reported |
| City: | POUGHKEEPSIE |
| State: | NY |
| Zip Code: | 12601 |
| Country Code: | 001 |
| Phone: | (718) 215-6602 6000 |
| EMail: | AKAHN@THEGRANDHEALTHCARE.COM |
| Fax Number: | Not reported |
| Modified By: | GAAHLERS |
| Date Last Modified: | 2018-03-30 |

| | |
|---|---|
| Site Id: | 34338 |
| Affiliation Type: | Facility Operator |
| Company Name: | RIVER CARE NURSING HOME |
| Contact Type: | Not reported |
| Contact Name: | UNKNOWN |
| Address1: | Not reported |

**RIVER CARE NURSING HOME (Continued)** **U003297862**

| | |
|---|---|
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | Not reported |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 2004-03-04 |

| | |
|---|---|
| Site Id: | 34338 |
| Affiliation Type: | Emergency Contact |
| Company Name: | POUGHKEEPSIE URBAN RENEWAL |
| Contact Type: | Not reported |
| Contact Name: | UNKNOWN |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | Not reported |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 2004-03-04 |

Tank Info:

| | |
|---|---|
| Tank Number: | 1 |
| Tank ID: | 80741 |
| Tank Status: | Closed - Removed |
| Material Name: | Closed - Removed |
| Capacity Gallons: | 1500 |
| Install Date: | 03/30/1998 |
| Date Tank Closed: | Not reported |
| Registered: | True |
| Tank Location: | Underground |
| Tank Type: | Steel/carbon steel |
| Material Code: | 0001 |
| Common Name of Substance: | #2 Fuel Oil (On-Site Consumption) |

| | |
|---|---|
| Tightness Test Method: | - |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Pipe Model: | Not reported |
| Modified By: | GAAHLERS |
| Last Modified: | 03/30/2018 |

Equipment Records:

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None
I00 - Overfill - None
A00 - Tank Internal Protection - None

**RIVER CARE NURSING HOME (Continued)** **U003297862**

D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None

---

**A3** **POUGHKEEPSIE MGP** **EDR MGP** **1008408024**
**NORTH PERRY STREET** **N/A**
**< 1/8** **POUGHKEEPSIE, NY 12601**
**1 ft.**

**Site 3 of 4 in cluster A**

**Relative: Higher**
**Actual: 117 ft.**

Manufactured Gas Plants:
No additional information available

---

**A4** **NYSDOT PROJECT** **NY Spills** **S103569578**
**SW** **133 MAIN STREET** **N/A**
**< 1/8** **CARROLL (FREWSBURG), NY**
**0.002 mi.**
**12 ft.**

**Site 4 of 4 in cluster A**

**Relative: Lower**
**Actual: 112 ft.**

SPILLS:

| | |
|---|---|
| Name: | NYSDOT PROJECT |
| Address: | 133 MAIN STREET |
| City,State,Zip: | CARROLL (FREWSBURG), NY |
| Spill Number/Closed Date: | 9604735 / 1996-08-06 |
| Facility ID: | 9604735 |
| Facility Type: | ER |
| DER Facility ID: | 166016 |
| Site ID: | 199464 |
| DEC Region: | 9 |
| Spill Cause: | Other |
| Spill Class: | E6 |
| SWIS: | 0724 |
| Spill Date: | 1996-07-11 |
| Investigator: | MXFRANKS |
| Referred To: | CHAUTAUQUA CNTY HEALTH DEPT |
| Reported to Dept: | 1996-07-11 |
| CID: | 205 |
| Water Affected: | Not reported |
| Spill Source: | Commercial/Industrial |
| Spill Notifier: | Responsible Party |
| Cleanup Ceased: | 1996-08-06 |
| Cleanup Meets Std: | True |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 1996-07-11 |
| Spill Record Last Update: | 2001-04-06 |
| Spiller Name: | Not reported |
| Spiller Company: | NONE |
| Spiller Address: | Not reported |
| Spiller Company: | 999 |
| Contact Name: | NYS DOT |
| DEC Memo: | "Prior to Sept, 2004 data translation this spill Lead_DEC Field was MF-CHCHD 07/11/96: MF COMPLAINT OF CONTAMINATED SOIL IN FRONT OF |

**NYSDOT PROJECT (Continued)** **S103569578**

VACENT LOT 133 MAIN ST. DOT DOING ROAD WORK. CHCHD TO INSPECT. 08/06/96: MF T/C MAV, HE INSPECTED, NOTICED SEPTIC ODOR, NO GASOLINE OR PETROLEUM ODOR. CONTTRACTOR REMOVED. NO ACTION NECESSARY BY SPILLS."

Remarks: "caller states that while diging up roadway in front of 133 main street, came across contaminated soil 4 feet down . property is adjacent to abandoned gasoline station."

All Materials:

| | |
|---|---|
| Site ID: | 199464 |
| Operable Unit ID: | 1035703 |
| Operable Unit: | 01 |
| Material ID: | 569669 |
| Material Code: | 0009 |
| Material Name: | gasoline |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | .00 |
| Units: | G |
| Recovered: | .00 |
| Oxygenate: | Not reported |

---

**B5** **SPILL NUMBER 9714354** **NY Spills** **S104646795**
**South** **138-144 MAIN STREET** **N/A**
**< 1/8** **POUGHKEEPSIE, NY**
**0.015 mi.**
**80 ft.** **Site 1 of 2 in cluster B**

**Relative:** **Lower**

**Actual:** **115 ft.**

SPILLS:

| | |
|---|---|
| Name: | SPILL NUMBER 9714354 |
| Address: | 138-144 MAIN STREET |
| City,State,Zip: | POUGHKEEPSIE, NY |
| Spill Number/Closed Date: | 9714354 / 1998-03-26 |
| Facility ID: | 9714354 |
| Facility Type: | ER |
| DER Facility ID: | 179180 |
| Site ID: | 216423 |
| DEC Region: | 3 |
| Spill Cause: | Housekeeping |
| Spill Class: | C3 |
| SWIS: | 1446 |
| Spill Date: | 1998-03-26 |
| Investigator: | VPMCCABE |
| Referred To: | Not reported |
| Reported to Dept: | 1998-03-26 |
| CID: | 266 |
| Water Affected: | Not reported |
| Spill Source: | Unknown |
| Spill Notifier: | Other |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Std: | True |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 1998-03-26 |
| Spill Record Last Update: | 1998-04-09 |

**SPILL NUMBER 9714354 (Continued)** **S104646795**

| | |
|---|---|
| Spiller Name: | Not reported |
| Spiller Company: | UNKNOWN |
| Spiller Address: | Not reported |
| Spiller Company: | 999 |
| Contact Name: | Not reported |
| DEC Memo: | "Prior to Sept, 2004 data translation this spill Lead_DEC Field was MCCABE 03/26/98 SPOKE WITH JOHN SOTER; TANK WAS ACTUALLY AN A/G TANK IN THE BASEMENT OF A BUILDING THAT WAS DEMOLISHED & BASEMENT WAS FILLED IN; TWO DRUMS OF CONTAMINATED MATERIAL HAS BEEN REMOVED; " |
| Remarks: | "VACANT LOT. DURING CONTAMINATION FOUND DURING REMOVAL OF 275 GALLON UNDERGROUND STORAGE TANK. PROPERTY MAY BE OWNED BY THE CITY, BUT CALLER IS NOT SURE." |

All Materials:

| | |
|---|---|
| Site ID: | 216423 |
| Operable Unit ID: | 1060131 |
| Operable Unit: | 01 |
| Material ID: | 325319 |
| Material Code: | 0001A |
| Material Name: | #2 fuel oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | .00 |
| Units: | G |
| Recovered: | .00 |
| Oxygenate: | Not reported |

---

**B6** **SALVATION ARMY** **NY Spills** **S123658975**
**SSE** **150 MAIN ST** **N/A**
**< 1/8** **POUGHKEEPSIE, NY**
**0.016 mi.**
**86 ft.** **Site 2 of 2 in cluster B**

**Relative: Higher**
**Actual: 118 ft.**

SPILLS:

| | |
|---|---|
| Name: | SALVATION ARMY |
| Address: | 150 MAIN ST |
| City,State,Zip: | POUGHKEEPSIE, NY |
| Spill Number/Closed Date: | 1809200 / 2018-12-03 |
| Facility ID: | 1809200 |
| Facility Type: | ER |
| DER Facility ID: | 532682 |
| Site ID: | 580035 |
| DEC Region: | 3 |
| Spill Cause: | Equipment Failure |
| Spill Class: | C4 |
| SWIS: | 1413 |
| Spill Date: | 2018-12-01 |
| Investigator: | DXWEITZ |
| Referred To: | Not reported |
| Reported to Dept: | 2018-12-01 |
| CID: | Not reported |
| Water Affected: | Not reported |
| Spill Source: | Commercial/Industrial |
| Spill Notifier: | Responsible Party |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not reported |

**SALVATION ARMY (Continued)** **S123658975**

| | |
|---|---|
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 2018-12-01 |
| Spill Record Last Update: | 2018-12-03 |
| Spiller Name: | Not reported |
| Spiller Company: | SALVATION ARMY |
| Spiller Address: | Not reported |
| Spiller Company: | 999 |
| Contact Name: | ILEAN DOCKY |
| DEC Memo: | "12/1/18 1 gal spill from fill outside on concrete. Has already been cleaned up. NFA dw" |
| Remarks: | "over fill came out of vent, clean up complete." |

All Materials:

| | |
|---|---|
| Site ID: | 580035 |
| Operable Unit ID: | 1327749 |
| Operable Unit: | 01 |
| Material ID: | 2336675 |
| Material Code: | 0001A |
| Material Name: | #2 fuel oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | 1.00 |
| Units: | G |
| Recovered: | Not reported |
| Oxygenate: | Not reported |

---

**C7**
**WSW**
**< 1/8**
**0.025 mi.**
**130 ft.**

**ON ST.NEAR MILANESE REST.**
**115 MAIN ST**
**POUGHKEEPSIE, NY**

**Site 1 of 2 in cluster C**

**NY Spills** **S102151948**
**N/A**

**Relative:**
**Lower**

**Actual:**
**110 ft.**

SPILLS:

| | |
|---|---|
| Name: | ON ST.NEAR MILANESE REST. |
| Address: | 115 MAIN ST |
| City,State,Zip: | POUGHKEEPSIE, NY |
| Spill Number/Closed Date: | 9202522 / 1992-06-02 |
| Facility ID: | 9202522 |
| Facility Type: | ER |
| DER Facility ID: | 239711 |
| Site ID: | 296222 |
| DEC Region: | 3 |
| Spill Cause: | Equipment Failure |
| Spill Class: | C3 |
| SWIS: | 1446 |
| Spill Date: | 1992-06-02 |
| Investigator: | dxtraver |
| Referred To: | Not reported |
| Reported to Dept: | 1992-06-02 |
| CID: | Not reported |
| Water Affected: | Not reported |
| Spill Source: | Tank Truck |
| Spill Notifier: | Responsible Party |
| Cleanup Ceased: | 1992-06-02 |
| Cleanup Meets Std: | True |

**ON ST.NEAR MILANESE REST. (Continued)** **S102151948**

| | |
|---|---|
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 1992-06-02 |
| Spill Record Last Update: | 1992-06-24 |
| Spiller Name: | Not reported |
| Spiller Company: | LOVE/EFFRON OIL |
| Spiller Address: | 154 GARDEN ST. |
| Spiller Company: | 001 |
| Contact Name: | Not reported |
| DEC Memo: | "Prior to Sept, 2004 data translation this spill Lead_DEC Field was TRAVER " |
| Remarks: | "AIR ELIMINATOR ON TRUCK MALFUNCTIONED OIL LEAKED TO PAVED STREET SPILL DYKED BY DRIVER SPILL TEAM AND DRIVER APPLIED SPEEDI-DRI WILL P/U AND DISPOSE. DCHD INSPECTED AND CONFIRMED CLEANUP. NFA" |

All Materials:

| | |
|---|---|
| Site ID: | 296222 |
| Operable Unit ID: | 966614 |
| Operable Unit: | 01 |
| Material ID: | 567493 |
| Material Code: | 0001A |
| Material Name: | #2 fuel oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | 6.00 |
| Units: | G |
| Recovered: | .00 |
| Oxygenate: | Not reported |

---

**8** **CHG&E, BAYEAUX STREET** **NY HSWDS** **S108146277**
**ENE** **N PERRY STREET** **N/A**
**< 1/8** **POUGHKEEPSIE, NY 12601**
**0.034 mi.**
**180 ft.**

**Relative: Higher**

**Actual: 129 ft.**

HSWDS:

| | |
|---|---|
| Facility ID: | HS3009 |
| Region: | 3 |
| Facility Status: | Unknown |
| Owner Type: | Puplic |
| Owner: | Admiral Halsey Senior Village |
| Owner Address: | 515 Rockaway BLVD. |
| Owner Phone: | Unknown |
| Operator Type: | Puplic |
| Operator: | CHG&E |
| Operator: | CHG&E |
| Operator Phone: | (914)452-2000 |
| EPA ID: | None |
| Registry: | D |
| Registry Site ID: | None |
| RCRA Permitted: | Unknown |
| Site Code: | Coal Gasification Plant |
| Owner City State: | Valley Stream, NY 11581 |
| Operator City State: | Poughkeepsie, NY 12601 |
| Quadrange: | Poughkeepsie 7.5 |

**CHG&E, BAYEAUX STREET (Continued)** **S108146277**

| | |
|---|---|
| Latitude: | 41 42’23"N |
| Longitude: | 73 55’56"W |
| Acres: | 1.20 |
| Operator Date: | 1850 |
| Close Date: | 1911 |
| Completed: | Phase 2 |
| Active: | No |
| PCB’s Disposed: | No |
| Pesticides Disposed: | No |
| Metals Disposed: | No |
| Asbestos Disposed: | No |
| Volatile Organic Compounds Disposed: | No |
| Semi Volatile Organic Compounds Disposed: | No |
| Analytical Info Exists for Air: | Air |
| Analytical Info Exists for Ground: | Water |
| Analytical Info Exists for Surface: | Not reported |
| Analytical Info Exists for Sediments: | Not reported |
| Analytical Info Exists for Surface: | Surface Soil |
| Analytical Info Exists for Substance: | Subsurface Soil |
| Analytical Info Exists for Waste: | Not reported |
| Analytical Info Exists for Leachate: | Not reported |
| Analytical Info Exists for EP Toxicity: | Not reported |
| Analytical Info Exists for TCLP: | Not reported |
| Threat to Environment/Public Health: | Unknown |
| Surface Water Contamination: | Unknown |
| Surface Water Body Class: | Unknown |
| Groundwater Contamination: | Unknown |
| Groundwater Classification: | Unknown |
| Drinking Water Contamination: | Unknown |
| Drinking Water Supply is Active: | Yes |
| Any Known Fish or Wildlife: | Unknown |
| Hazardous Exposure: | Unknown |
| Site Has Controlled Acess: | Unknown |
| Ambient Air Contamination: | Unknown |
| Direct Contact: | Unknown |
| EPA Hazardous Ranking System Score: | 15.35 |
| Inventory: | F |
| Nefrap: | Not reported |
| Mailing: | U |
| Tax Map No: | Not reported |
| Qualify: | 0 |
| Next Action: | Not reported |
| Agencies: | Not reported |
| Air: | Not reported |
| Building: | Not reported |
| Site Desc: | Not reported |
| Drink: | Not reported |
| Eptox: | Not reported |
| Fish: | Not reported |
| Ground: | Not reported |
| Ground Desc: | Not reported |
| Hazardous Threat: | Not reported |
| Haz Threat Desc: | Not reported |
| Leachate: | Not reported |
| Preparer: | Not reported |
| Sediment: | Not reported |
| Soil: | Not reported |

**CHG&E, BAYEAUX STREET (Continued)** **S108146277**

Surface: Not reported
Status: Not reported
Surface Soil: Not reported
Surface: Not reported
TCLP: Not reported
Waste: Not reported

---

**C9** **APT. MILANESE** **NY LTANKS** **S100879045**
**West** **111 MAIN STREET** **N/A**
**< 1/8** **POUGHKEEPSIE, NY**
**0.043 mi.**
**225 ft.** **Site 2 of 2 in cluster C**

**Relative:** **Lower**

**Actual:** **107 ft.**

LTANKS:

| | |
|---|---|
| Name: | APT. MILANESE |
| Address: | 111 MAIN STREET |
| City,State,Zip: | POUGHKEEPSIE, NY |
| Spill Number/Closed Date: | 9312029 / 1994-01-19 |
| Facility ID: | 9312029 |
| Site ID: | 110554 |
| Spill Date: | 1994-01-12 |
| Spill Cause: | Tank Failure |
| Spill Source: | Commercial/Industrial |
| Spill Class: | C3 |
| Cleanup Ceased: | 1994-01-19 |
| SWIS: | 1446 |
| Investigator: | VPMCCABE |
| Referred To: | Not reported |
| Reported to Dept: | 1994-01-12 |
| CID: | Not reported |
| Water Affected: | Not reported |
| Spill Notifier: | Other |
| Last Inspection: | 1994-01-19 |
| Recommended Penalty: | False |
| Meets Standard: | True |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 1994-01-14 |
| Spill Record Last Update: | 1994-09-27 |
| Spiller Name: | Not reported |
| Spiller Company: | Not reported |
| Spiller Address: | Not reported |
| Spiller County: | 001 |
| Spiller Contact: | Not reported |
| Spiller Phone: | Not reported |
| Spiller Extention: | Not reported |
| DEC Region: | 3 |
| DER Facility ID: | 96814 |
| DEC Memo: | "" |
| Remarks: | "SPILL CONTAINED ON DIRT FLOOR OF CEELLAR EMPTYING FUEL TANK AND INSTALLING TEMP TANK.SEE 1 PAGE UPDATE BY V.MC. 1-19-94:V.MC.SITE INSP W/MR MILANESE;NEW TANK BEING INSTALLED & OLD TK TO BE REMOVED.NFA" |

All Materials:

| | |
|---|---|
| Site ID: | 110554 |
| Operable Unit ID: | 994032 |
| Operable Unit: | 01 |

**APT. MILANESE (Continued)** **S100879045**

| | |
|---|---|
| Material ID: | 391034 |
| Material Code: | 0001A |
| Material Name: | #2 fuel oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | 15.00 |
| Units: | G |
| Recovered: | .00 |
| Oxygenate: | Not reported |

---

**D10** **FEDERAL GOV - IRS@SS** **NY Spills** **S106012177**
**ESE** **191 MAIN ST** **N/A**
**< 1/8** **POUGHKEEPSIE, NY**
**0.057 mi.**
**302 ft.** **Site 1 of 8 in cluster D**

**Relative:** **Higher**

**Actual:** **136 ft.**

SPILLS:

| | |
|---|---|
| Name: | FEDERAL GOV - IRS@SS |
| Address: | 191 MAIN ST |
| City,State,Zip: | POUGHKEEPSIE, NY |
| Spill Number/Closed Date: | 0212262 / 2004-07-02 |
| Facility ID: | 0212262 |
| Facility Type: | ER |
| DER Facility ID: | 116726 |
| Site ID: | 136004 |
| DEC Region: | 3 |
| Spill Cause: | Unknown |
| Spill Class: | D5 |
| SWIS: | 1446 |
| Spill Date: | 2003-03-12 |
| Investigator: | VPMCCABE |
| Referred To: | Not reported |
| Reported to Dept: | 2003-03-13 |
| CID: | 365 |
| Water Affected: | Not reported |
| Spill Source: | Commercial/Industrial |
| Spill Notifier: | Responsible Party |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 2003-03-13 |
| Spill Record Last Update: | 2005-03-09 |
| Spiller Name: | Not reported |
| Spiller Company: | UNKNOWN |
| Spiller Address: | Not reported |
| Spiller Company: | 001 |
| Contact Name: | JIM COOMBS |
| DEC Memo: | "Prior to Sept, 2004 data translation this spill Lead_DEC Field was MCCABE 03/14/2003 REPLACEMENT PISTON WILL BE READY IN 8-9 WEEKS. UNTIL THEN THE ELEVATOR WILL NOT BE IN USE. This spill was updated 08/11/2004 from info in V. McCabe's data files. 'Date:' = 03/13/03, 'Phone' = - -, 'Site Insp' = . " |
| Remarks: | "noise was heard in the elevator - otis responded - unk if there even is a spill - they will know when they pull the piston" |

**FEDERAL GOV - IRS@SS (Continued)** **S106012177**

All Materials:

| | |
|---|---|
| Site ID: | 136004 |
| Operable Unit ID: | 863279 |
| Operable Unit: | 01 |
| Material ID: | 511997 |
| Material Code: | 0010 |
| Material Name: | hydraulic oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | .00 |
| Units: | G |
| Recovered: | .00 |
| Oxygenate: | Not reported |

---

**11**
**NNW**
**< 1/8**
**0.058 mi.**
**305 ft.**

**CHG&E: TRANSFORMER OIL** **NY Spills** **S113915607**
**160 MILL STREET** **N/A**
**POUGHKEEPSIE, NY**

**Relative:**
**Lower**

**Actual:**
**114 ft.**

SPILLS:

| | |
|---|---|
| Name: | CHG&E: TRANSFORMER OIL |
| Address: | 160 MILL STREET |
| City,State,Zip: | POUGHKEEPSIE, NY |
| Spill Number/Closed Date: | 1305793 / 2013-09-03 |
| Facility ID: | 1305793 |
| Facility Type: | ER |
| DER Facility ID: | 441488 |
| Site ID: | 486374 |
| DEC Region: | 3 |
| Spill Cause: | Equipment Failure |
| Spill Class: | D4 |
| SWIS: | 1413 |
| Spill Date: | 2013-08-31 |
| Investigator: | MBMASTRO |
| Referred To: | Not reported |
| Reported to Dept: | 2013-08-31 |
| CID: | Not reported |
| Water Affected: | Not reported |
| Spill Source: | Commercial/Industrial |
| Spill Notifier: | Other |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Std: | True |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 2013-08-31 |
| Spill Record Last Update: | 2013-09-03 |
| Spiller Name: | MIKE HICHAK |
| Spiller Company: | CENTRAL HUDSON GAS AND ELECTRIC CORP. |
| Spiller Address: | 160 MILL STREET |
| Spiller Company: | 999 |
| Contact Name: | MIKE HICHAK |
| DEC Memo: | "ROAD WAY / CARS Will be cleaned up tonight, nfa...mm" |
| Remarks: | "Clean in progress" |

**CHG&E: TRANSFORMER OIL (Continued)** **S113915607**

All Materials:

| | |
|---|---|
| Site ID: | 486374 |
| Operable Unit ID: | 1236020 |
| Operable Unit: | 01 |
| Material ID: | 2235319 |
| Material Code: | 0020A |
| Material Name: | transformer oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | 3.00 |
| Units: | G |
| Recovered: | Not reported |
| Oxygenate: | Not reported |

---

**E12** **COLUMBUS SCHOOL: 5K UST** **NY Spills** **S104073724**
**SSW** **12 SO. PERRY ST** **N/A**
**< 1/8** **POUGHKEEPSIE, NY**
**0.058 mi.**
**305 ft.** **Site 1 of 3 in cluster E**

**Relative:** **Lower**
**Actual:** **108 ft.**

SPILLS:

| | |
|---|---|
| Name: | COLUMBUS SCHOOL: 5K UST |
| Address: | 12 SO. PERRY ST |
| City,State,Zip: | POUGHKEEPSIE, NY |
| Spill Number/Closed Date: | 9704546 / 2008-04-01 |
| Facility ID: | 9704546 |
| Facility Type: | ER |
| DER Facility ID: | 125840 |
| Site ID: | 147835 |
| DEC Region: | 3 |
| Spill Cause: | Equipment Failure |
| Spill Class: | C3 |
| SWIS: | 1446 |
| Spill Date: | 1997-07-16 |
| Investigator: | VPMCCABE |
| Referred To: | Not reported |
| Reported to Dept: | 1997-07-16 |
| CID: | 267 |
| Water Affected: | Not reported |
| Spill Source: | Institutional, Educational, Gov., Other |
| Spill Notifier: | Responsible Party |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Std: | False |
| Last Inspection: | 1997-07-16 |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 1997-07-16 |
| Spill Record Last Update: | 2009-06-18 |
| Spiller Name: | GARY MCGRATH |
| Spiller Company: | COLUMBUS SCHOOL |
| Spiller Address: | 12 SO PERRY ST |
| Spiller Company: | 001 |
| Contact Name: | GARY MCGRATH |
| DEC Memo: | "07/16/97 MINIMUM OF FREE PRODUCT; TANK & CONTAMINATED SOIL REMOVED; 3/12/09 NFA. No Info, No Impact. JO'M. See 1 page update by V.Mc. |

**COLUMBUS SCHOOL: 5K UST (Continued)** **S104073724**

Administrative Closure: 4-1-08."
Remarks: "WHILE REMOVING AN OIL TANK THEY NOTICED CONTAINAMATED SOIL AFTER TANK IS PULLED THEY WILL DO THE CLEANUP REQ DEC CALL HIM TODAY FOR ADVISE"

All Materials:
Site ID: 147835
Operable Unit ID: 1047774
Operable Unit: 01
Material ID: 333808
Material Code: 0001A
Material Name: #2 fuel oil
Case No.: Not reported
Material FA: Petroleum
Quantity: .00
Units: G
Recovered: .00
Oxygenate: Not reported

---

**E13** **COLUMBUS SCHOOL** **NY UST** **U000379590**
**SSW** **12 SOUTH PERRY ST** **N/A**
**< 1/8** **POUGHKEEPSIE, NY 12603**
**0.058 mi.**
**305 ft.** **Site 2 of 3 in cluster E**

**Relative:**
**Lower**

**Actual:**
**108 ft.**

UST:
Name: COLUMBUS SCHOOL
Address: 12 SOUTH PERRY ST
City,State,Zip: POUGHKEEPSIE, NY 12603
Id/Status: 3-175595 / Unregulated/Closed
Program Type: PBS
Region: STATE
DEC Region: 3
Expiration Date: N/A
UTM X: 588682.02734
UTM Y: 4617579.05065
Site Type: School

Affiliation Records:
Site Id: 32633
Affiliation Type: Facility Owner
Company Name: POUGHKEEPSIE BOARD OF EDUCATIO
Contact Type: Not reported
Contact Name: Not reported
Address1: 11 COLLEGE AVE
Address2: Not reported
City: POUGHKEEPSIE
State: NY
Zip Code: 12603
Country Code: 001
Phone: (914) 451-4900
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 2004-03-04

Site Id: 32633
Affiliation Type: Mail Contact

**COLUMBUS SCHOOL (Continued)** **U000379590**

| | |
|---|---|
| Company Name: | POUGHKEEPSIE BOARD OF EDUCATIO |
| Contact Type: | Not reported |
| Contact Name: | Not reported |
| Address1: | 11 COLLEGE AVE |
| Address2: | Not reported |
| City: | POUGHKEEPSIE |
| State: | NY |
| Zip Code: | 12603 |
| Country Code: | 001 |
| Phone: | (914) 451-4900 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 2004-03-04 |

| | |
|---|---|
| Site Id: | 32633 |
| Affiliation Type: | Facility Operator |
| Company Name: | COLUMBUS SCHOOL |
| Contact Type: | Not reported |
| Contact Name: | GARY MCGRATH |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (914) 451-4630 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 2004-03-04 |

| | |
|---|---|
| Site Id: | 32633 |
| Affiliation Type: | Emergency Contact |
| Company Name: | POUGHKEEPSIE BOARD OF EDUCATIO |
| Contact Type: | Not reported |
| Contact Name: | GARY MCGRATH |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (914) 473-2534 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 2004-03-04 |

Tank Info:

| | |
|---|---|
| Tank Number: | 1 |
| Tank ID: | 72145 |
| Tank Status: | Closed - In Place |
| Material Name: | Closed - In Place |
| Capacity Gallons: | 5000 |
| Install Date: | Not reported |

**COLUMBUS SCHOOL (Continued)** **U000379590**

| | |
|---|---|
| Date Tank Closed: | 07/01/1997 |
| Registered: | True |
| Tank Location: | Underground |
| Tank Type: | Steel/carbon steel |
| Material Code: | 0001 |
| Common Name of Substance: | #2 Fuel Oil (On-Site Consumption) |
| Tightness Test Method: | 03 |
| Date Test: | 10/01/1992 |
| Next Test Date: | Not reported |
| Pipe Model: | Not reported |
| Modified By: | TRANSLAT |
| Last Modified: | 04/14/2017 |

Equipment Records:

H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
J02 - Dispenser - Suction Dispenser
G00 - Tank Secondary Containment - None

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**D14** **QUEEN CITY LOFTS** **NY BROWNFIELDS** **S123658080**
**SE** **178-188 MAIN STREET AND 11 SOUTH BRIDGE STREET** **N/A**
**< 1/8** **POUGHKEEPSIE, NY 12601**
**0.059 mi.**
**311 ft.** **Site 2 of 8 in cluster D**

**Relative:** **Higher**

**Actual:** **133 ft.**

BROWNFIELDS:

| | |
|---|---|
| Name: | QUEEN CITY LOFTS |
| Address: | 178-188 MAIN STREET AND 11 SOUTH BRIDGE STREET |
| City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| Program: | BCP |
| Site Code: | 512561 |
| Acres: | 1.051 |
| HW Code: | C314125 |
| SWIS: | 1413 |
| Town: | Poughkeepsie (c) |
| Record Added Date: | 08/14/2015 |
| Record Updated Date: | 03/25/2020 |
| Update By: | DJEATON |
| Site Description: | Location: Location: The site consists of a portion of one tax lot located at 178-188 Main Street, City of Poughkeepsie, Dutchess County, New York. The site is an irregular shaped, approximately 1.051 acre parcel, which has 236 feet of frontage on the southern side of Main Street and 190 feet of frontage on the eastern side of South Bridge Street. Site Features: The property currently contains a four story mixed use building with restricted residential and commercial uses and an asphalt parking lot. The ground generally slopes from the northwest corner of the site to the southeast. Current Zoning and Land Use: The site is zoned C-2 (Commercial with allowances for mixed-used buildings) and . Past Use of the Site: The site was used for various industrial, commercial, and residential purposes, including a machine shop and laundry facility, from as early as 1887 until the early to mid-1980s when most of the former |

**QUEEN CITY LOFTS (Continued)** **S123658080**

| | |
|---|---|
| | on-site structures were demolished. In 1973 a fire gutted several of the existing buildings on the site. Site Geology and Hydrogeology: Soils have been reworked by excavation and the construction and demolition of prior buildings on the site. They consist of well drained brown to gray sands, which overlie brown loamy clays. Shallow groundwater in the vicinity of the property follows overall surficial topography and flows to the southwest, toward the Hudson River. Groundwater was encountered between 10 and 12 feet below the ground. |
| Env Problem: | Nature and Extent of Contamination: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were mercury, lead, and benzo(a)anthracene in soil, lead and ethylbenzene in groundwater, and tetrachlorethene in soil vapor. Remedial actions have successfully achieved soil cleanup objectives for restricted residential use. Residual contamination in the soil, groundwater, and soil vapor is being managed under a Site Management Plan. |
| Health Problem: | Measures are in place to control the potential for coming in contact with remaining residual contamination in subsurface soil, groundwater and soil vapor. |
| Dump: | False |
| Structure: | False |
| Lagoon: | False |
| Landfill: | False |
| Pond: | False |
| Disp Start: | Not reported |
| Disp Term: | Not reported |
| Lat/Long: | Not reported |
| Dell: | Not reported |
| Record Add: | 6/6/2016 3:58:00 PM |
| Record Upd: | 5/22/2019 2:03:00 PM |
| Updated By: | SMQUANDT |
| Own Op: | 6 |
| Sub Type: | P03 |
| Owner Name: | Kenneth Kearney |
| Owner Company: | The Kearney Realty & Development Group Inc. |
| Owner Address: | 34 Clayton Boulevard, Suite A |
| Owner Addr2: | Not reported |
| Owner City,St,Zip: | Baldwin Place, NY 10505 |
| Owner Country: | United States of America |
| Own Op: | Document Repository |
| Sub Type: | NNN |
| Owner Name: | Deborah Weltsch |
| Owner Company: | Poughkeepsie Public Library District |
| Owner Address: | 93 Market Street |
| Owner Addr2: | Not reported |
| Owner City,St,Zip: | Poughkeepsie, NY 12601 |
| Owner Country: | United States of America |
| Own Op: | 1 |
| Sub Type: | P03 |
| Owner Name: | Ken Kearney |
| Owner Company: | The QCL on Main Limited Partnership |
| Owner Address: | 34 Clayton Boulevard |
| Owner Addr2: | Suite A |
| Owner City,St,Zip: | Baldwin Place, NY 10505 |
| Owner Country: | United States of America |
| Own Op: | 6 |
| Sub Type: | P03 |

**QUEEN CITY LOFTS (Continued)** **S123658080**

| | |
|---|---|
| Owner Name: | Kenneth Kearney |
| Owner Company: | The QCL on Main Limited Partnership |
| Owner Address: | 34 Clayton Boulevard, Suite A |
| Owner Addr2: | Not reported |
| Owner City,St,Zip: | Baldwin Place, NY 10505 |
| Owner Country: | United States of America |
| Own Op: | 6 |
| Sub Type: | P03 |
| Owner Name: | C/O Hudson River Housing, Inc |
| Owner Company: | The Queen City Lofts Housing Development Fund Company, Inc |
| Owner Address: | 313 Mill Street |
| Owner Addr2: | Not reported |
| Owner City,St,Zip: | Poughkeepsie, NY 12601 |
| Owner Country: | United States of America |
| HW Code: | Not reported |
| Waste Type: | benzo(a)anthracene |
| Waste Quantity: | UNKNOWN |
| Waste Code: | Not reported |
| HW Code: | Not reported |
| Waste Type: | xylene (mixed) |
| Waste Quantity: | UNKNOWN |
| Waste Code: | Not reported |
| HW Code: | Not reported |
| Waste Type: | ethylbenzene |
| Waste Quantity: | UNKNOWN |
| Waste Code: | Not reported |
| HW Code: | Not reported |
| Waste Type: | mercury |
| Waste Quantity: | UNKNOWN |
| Waste Code: | Not reported |
| HW Code: | Not reported |
| Waste Type: | n-propylbenzene |
| Waste Quantity: | UNKNOWN |
| Waste Code: | Not reported |
| HW Code: | Not reported |
| Waste Type: | 1,2,4-trimethylbenzene |
| Waste Quantity: | UNKNOWN |
| Waste Code: | Not reported |
| HW Code: | Not reported |
| Waste Type: | lead |
| Waste Quantity: | UNKNOWN |
| Waste Code: | Not reported |
| Crossref ID: | Not reported |
| Cross Ref Type Code: | 1 |
| Cross Ref Type: | Spill No. |
| Record Added Date: | 11/25/2015 10:33:00 AM |
| Record Updated: | 11/25/2015 10:33:00 AM |
| Updated By: | JYMCCART |
| Crossref ID: | C314125-10-15 |
| Cross Ref Type Code: | 23 |
| Cross Ref Type: | Agreement/Consent Order Number |
| Record Added Date: | 12/17/2018 2:10:00 PM |
| Record Updated: | 12/17/2018 2:10:00 PM |
| Updated By: | DKMACNEA |
| Crossref ID: | 02-2018-9828 |
| Cross Ref Type Code: | 25 |
| Cross Ref Type: | County Recording Identifier |

**QUEEN CITY LOFTS (Continued)** **S123658080**

| | |
|---|---|
| Record Added Date: | 12/27/2018 9:51:00 PM |
| Record Updated: | 12/27/2018 9:51:00 PM |
| Updated By: | DKMACNEA |
| Crossref ID: | Not reported |
| Cross Ref Type Code: | 1 |
| Cross Ref Type: | Spill No. |
| Record Added Date: | 8/20/2019 1:45:00 PM |
| Record Updated: | 8/20/2019 1:45:00 PM |
| Updated By: | DKMACNEA |

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**D15** **QUEEN CITY LOFTS** **NY ENG CONTROLS** **S123658120**
**SE** **178-188 MAIN STREET AND 11 SOUTH BRIDGE STREET** **N/A**
**< 1/8** **POUGHKEEPSIE, NY 12601**
**0.059 mi.**
**311 ft.** **Site 3 of 8 in cluster D**

**Relative:** **Higher**
**Actual:** **133 ft.**

ENG CONTROLS:

| | |
|---|---|
| Name: | QUEEN CITY LOFTS |
| Address: | 178-188 MAIN STREET AND 11 SOUTH BRIDGE STREET |
| City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| Site Code: | 512561 |
| HW Code: | Not reported |
| Control Code: | 15 |
| Control Type: | ENG |
| Date Record Added: | 12/17/2018 |
| Date Rec Updated: | 12/31/2018 |
| Updated By: | JJTEETER |
| Site Description: | Location: Location: The site consists of a portion of one tax lot located at 178-188 Main Street, City of Poughkeepsie, Dutchess County, New York. The site is an irregular shaped, approximately 1.051 acre parcel, which has 236 feet of frontage on the southern side of Main Street and 190 feet of frontage on the eastern side of South Bridge Street. Site Features: The property currently contains a four story mixed use building with restricted residential and commercial uses and an asphalt parking lot. The ground generally slopes from the northwest corner of the site to the southeast. Current Zoning and Land Use: The site is zoned C-2 (Commercial with allowances for mixed-used buildings) and . Past Use of the Site: The site was used for various industrial, commercial, and residential purposes, including a machine shop and laundry facility, from as early as 1887 until the early to mid-1980s when most of the former on-site structures were demolished. In 1973 a fire gutted several of the existing buildings on the site. Site Geology and Hydrogeology: Soils have been reworked by excavation and the construction and demolition of prior buildings on the site. They consist of well drained brown to gray sands, which overlie brown loamy clays. Shallow groundwater in the vicinity of the property follows overall surficial topography and flows to the southwest, toward the Hudson River. Groundwater was encountered between 10 and 12 feet below the ground. |
| Env Problem: | Nature and Extent of Contamination: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were mercury, lead, and benzo(a)anthracene in soil, lead and ethylbenzene in groundwater, and tetrachlorethene in soil vapor. Remedial actions have successfully achieved soil cleanup objectives for restricted residential use. Residual contamination in the soil, groundwater, and soil vapor is being managed under a Site Management Plan. |
| Health Problem: | Measures are in place to control the potential for coming in contact |

**QUEEN CITY LOFTS (Continued)** **S123658120**

| | |
|---|---|
| | with remaining residual contamination in subsurface soil, groundwater and soil vapor. |
| Dump: | False |
| Structure: | False |
| Lagoon: | False |
| Landfill: | False |
| Pond: | False |
| Disp Start: | Not reported |
| Disp Term: | Not reported |
| Lat/Long: | Not reported |
| Dell: | Not reported |
| Record Add: | 6/6/2016 3:58:00 PM |
| Record Upd: | 5/22/2019 2:03:00 PM |
| Updated By: | SMQUANDT |
| Own Op: | 6 |
| Sub Type: | P03 |
| Owner Name: | Kenneth Kearney |
| Owner Company: | The Kearney Realty & Development Group Inc. |
| Owner Address: | 34 Clayton Boulevard, Suite A |
| Owner Addr2: | Not reported |
| Owner City,St,Zip: | Baldwin Place, NY 10505 |
| Owner Country: | United States of America |
| Own Op: | Document Repository |
| Sub Type: | NNN |
| Owner Name: | Deborah Weltsch |
| Owner Company: | Poughkeepsie Public Library District |
| Owner Address: | 93 Market Street |
| Owner Addr2: | Not reported |
| Owner City,St,Zip: | Poughkeepsie, NY 12601 |
| Owner Country: | United States of America |
| Own Op: | 1 |
| Sub Type: | P03 |
| Owner Name: | Ken Kearney |
| Owner Company: | The QCL on Main Limited Partnership |
| Owner Address: | 34 Clayton Boulevard |
| Owner Addr2: | Suite A |
| Owner City,St,Zip: | Baldwin Place, NY 10505 |
| Owner Country: | United States of America |
| Own Op: | 6 |
| Sub Type: | P03 |
| Owner Name: | Kenneth Kearney |
| Owner Company: | The QCL on Main Limited Partnership |
| Owner Address: | 34 Clayton Boulevard, Suite A |
| Owner Addr2: | Not reported |
| Owner City,St,Zip: | Baldwin Place, NY 10505 |
| Owner Country: | United States of America |
| Own Op: | 6 |
| Sub Type: | P03 |
| Owner Name: | C/O Hudson River Housing, Inc |
| Owner Company: | The Queen City Lofts Housing Development Fund Company, Inc |
| Owner Address: | 313 Mill Street |
| Owner Addr2: | Not reported |
| Owner City,St,Zip: | Poughkeepsie, NY 12601 |
| Owner Country: | United States of America |
| HW Code: | Not reported |
| Waste Type: | benzo(a)anthracene |
| Waste Quantity: | UNKNOWN |

**QUEEN CITY LOFTS (Continued)** **S123658120**

| | |
|---|---|
| Waste Code: | Not reported |
| HW Code: | Not reported |
| Waste Type: | xylene (mixed) |
| Waste Quantity: | UNKNOWN |
| Waste Code: | Not reported |
| HW Code: | Not reported |
| Waste Type: | ethylbenzene |
| Waste Quantity: | UNKNOWN |
| Waste Code: | Not reported |
| HW Code: | Not reported |
| Waste Type: | mercury |
| Waste Quantity: | UNKNOWN |
| Waste Code: | Not reported |
| HW Code: | Not reported |
| Waste Type: | n-propylbenzene |
| Waste Quantity: | UNKNOWN |
| Waste Code: | Not reported |
| HW Code: | Not reported |
| Waste Type: | 1,2,4-trimethylbenzene |
| Waste Quantity: | UNKNOWN |
| Waste Code: | Not reported |
| HW Code: | Not reported |
| Waste Type: | lead |
| Waste Quantity: | UNKNOWN |
| Waste Code: | Not reported |
| Crossref ID: | Not reported |
| Cross Ref Type Code: | 1 |
| Cross Ref Type: | Spill No. |
| Record Added Date: | 11/25/2015 10:33:00 AM |
| Record Updated: | 11/25/2015 10:33:00 AM |
| Updated By: | JYMCCART |
| Crossref ID: | C314125-10-15 |
| Cross Ref Type Code: | 23 |
| Cross Ref Type: | Agreement/Consent Order Number |
| Record Added Date: | 12/17/2018 2:10:00 PM |
| Record Updated: | 12/17/2018 2:10:00 PM |
| Updated By: | DKMACNEA |
| Crossref ID: | 02-2018-9828 |
| Cross Ref Type Code: | 25 |
| Cross Ref Type: | County Recording Identifier |
| Record Added Date: | 12/27/2018 9:51:00 PM |
| Record Updated: | 12/27/2018 9:51:00 PM |
| Updated By: | DKMACNEA |
| Crossref ID: | Not reported |
| Cross Ref Type Code: | 1 |
| Cross Ref Type: | Spill No. |
| Record Added Date: | 8/20/2019 1:45:00 PM |
| Record Updated: | 8/20/2019 1:45:00 PM |
| Updated By: | DKMACNEA |

**D16**
**SE**
**< 1/8**
**0.059 mi.**
**311 ft.**

**VACANT LOT**
**178 MAIN ST**
**POUGHKEEPSIE, NY**

**Site 4 of 8 in cluster D**

**NY Spills** **S117974242**
**N/A**

**Relative:**
**Higher**

**Actual:**
**133 ft.**

SPILLS:

| | |
|---|---|
| Name: | VACANT LOT |
| Address: | 178 MAIN ST |
| City,State,Zip: | POUGHKEEPSIE, NY |
| Spill Number/Closed Date: | 1502657 / 2015-11-25 |
| Facility ID: | 1502657 |
| Facility Type: | ER |
| DER Facility ID: | 463596 |
| Site ID: | 508937 |
| DEC Region: | 3 |
| Spill Cause: | Unknown |
| Spill Class: | D3 |
| SWIS: | 1413 |
| Spill Date: | 2015-05-27 |
| Investigator: | JYMCCART |
| Referred To: | Not reported |
| Reported to Dept: | 2015-06-10 |
| CID: | Not reported |
| Water Affected: | Not reported |
| Spill Source: | Commercial/Industrial |
| Spill Notifier: | Other |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 2015-06-10 |
| Spill Record Last Update: | 2015-11-25 |
| Spiller Name: | PAUL ACKERMAN |
| Spiller Company: | CITY OF POUGHKEEPSIE |
| Spiller Address: | Not reported |
| Spiller Company: | 999 |
| Contact Name: | ADAM ATKINSON |
| DEC Memo: | "6/10/15- Spoke to caller. Test pits placed on property due to potential property transfer. Had visual impacts at time of work; lab data came back below standard. Site is currently owned by C/Poughkeepsie Urban Renewal. DT 11-24-15 Sent email to Adam inquiring of status of cleanup/closure report for this site. jm 11-25-15 This is now a BCP site #C314125 and has been linked to that database. NFA jm" |
| Remarks: | "cleanup pending" |

All Materials:

| | |
|---|---|
| Site ID: | 508937 |
| Operable Unit ID: | 1258232 |
| Operable Unit: | 01 |
| Material ID: | 2261356 |
| Material Code: | 0001A |
| Material Name: | #2 fuel oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | Not reported |
| Units: | Not reported |

**VACANT LOT (Continued)** **S117974242**

Recovered: Not reported
Oxygenate: Not reported

---

**D17** **QUEEN CITY LOFTS** **NY INST CONTROL** **S123658138**
**SE** **178-188 MAIN STREET AND 11 SOUTH BRIDGE STREET** **N/A**
**< 1/8** **POUGHKEEPSIE, NY 12601**
**0.059 mi.**
**311 ft.** **Site 5 of 8 in cluster D**

**Relative:**
**Higher**

**Actual:**
**133 ft.**

INST CONTROL:
Name: QUEEN CITY LOFTS
Address: 178-188 MAIN STREET AND 11 SOUTH BRIDGE STREET
City,State,Zip: POUGHKEEPSIE, NY 12601
Site Code: 512561
Control Name: Ground Water Use Restriction
HW Code: Not reported
Control Code: 8
Control Type: INST
Dt record added: 12/17/2018
Dt rec updated: 12/31/2018
Updated By: JJTEETER
Site Code: 512561
Site Description: Location: Location: The site consists of a portion of one tax lot located at 178-188 Main Street, City of Poughkeepsie, Dutchess County, New York. The site is an irregular shaped, approximately 1.051 acre parcel, which has 236 feet of frontage on the southern side of Main Street and 190 feet of frontage on the eastern side of South Bridge Street. Site Features: The property currently contains a four story mixed use building with restricted residential and commercial uses and an asphalt parking lot. The ground generally slopes from the northwest corner of the site to the southeast. Current Zoning and Land Use: The site is zoned C-2 (Commercial with allowances for mixed-used buildings) and . Past Use of the Site: The site was used for various industrial, commercial, and residential purposes, including a machine shop and laundry facility, from as early as 1887 until the early to mid-1980s when most of the former on-site structures were demolished. In 1973 a fire gutted several of the existing buildings on the site. Site Geology and Hydrogeology: Soils have been reworked by excavation and the construction and demolition of prior buildings on the site. They consist of well drained brown to gray sands, which overlie brown loamy clays. Shallow groundwater in the vicinity of the property follows overall surficial topography and flows to the southwest, toward the Hudson River. Groundwater was encountered between 10 and 12 feet below the ground.
Env Problem: Nature and Extent of Contamination: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were mercury, lead, and benzo(a)anthracene in soil, lead and ethylbenzene in groundwater, and tetrachlorethene in soil vapor. Remedial actions have successfully achieved soil cleanup objectives for restricted residential use. Residual contamination in the soil, groundwater, and soil vapor is being managed under a Site Management Plan.
Health Problem: Measures are in place to control the potential for coming in contact with remaining residual contamination in subsurface soil, groundwater and soil vapor.
Dump: False
Structure: False

**QUEEN CITY LOFTS (Continued)** **S123658138**

Lagoon: False
Landfill: False
Pond: False
Disp Start: Not reported
Disp Term: Not reported
Lat/Long: Not reported
Dell: Not reported
Record Add: 6/6/2016 3:58:00 PM
Record Upd: 5/22/2019 2:03:00 PM
Updated By: SMQUANDT
Own Op: 6
Sub Type: P03
Owner Name: Kenneth Kearney
Owner Company: The Kearney Realty & Development Group Inc.
Owner Address: 34 Clayton Boulevard, Suite A
Owner Addr2: Not reported
Owner City,St,Zip: Baldwin Place, NY 10505
Owner Country: United States of America
Own Op: Document Repository
Sub Type: NNN
Owner Name: Deborah Weltsch
Owner Company: Poughkeepsie Public Library District
Owner Address: 93 Market Street
Owner Addr2: Not reported
Owner City,St,Zip: Poughkeepsie, NY 12601
Owner Country: United States of America
Own Op: 1
Sub Type: P03
Owner Name: Ken Kearney
Owner Company: The QCL on Main Limited Partnership
Owner Address: 34 Clayton Boulevard
Owner Addr2: Suite A
Owner City,St,Zip: Baldwin Place, NY 10505
Owner Country: United States of America
Own Op: 6
Sub Type: P03
Owner Name: Kenneth Kearney
Owner Company: The QCL on Main Limited Partnership
Owner Address: 34 Clayton Boulevard, Suite A
Owner Addr2: Not reported
Owner City,St,Zip: Baldwin Place, NY 10505
Owner Country: United States of America
Own Op: 6
Sub Type: P03
Owner Name: C/O Hudson River Housing, Inc
Owner Company: The Queen City Lofts Housing Development Fund Company, Inc
Owner Address: 313 Mill Street
Owner Addr2: Not reported
Owner City,St,Zip: Poughkeepsie, NY 12601
Owner Country: United States of America
HW Code: Not reported
Waste Type: benzo(a)anthracene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: xylene (mixed)
Waste Quantity: UNKNOWN

**QUEEN CITY LOFTS (Continued)** **S123658138**

Waste Code: Not reported
HW Code: Not reported
Waste Type: ethylbenzene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: mercury
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: n-propylbenzene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: 1,2,4-trimethylbenzene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: lead
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: Not reported
Cross Ref Type Code: 1
Cross Ref Type: Spill No.
Record Added Date: 11/25/2015 10:33:00 AM
Record Updated: 11/25/2015 10:33:00 AM
Updated By: JYMCCART
Crossref ID: C314125-10-15
Cross Ref Type Code: 23
Cross Ref Type: Agreement/Consent Order Number
Record Added Date: 12/17/2018 2:10:00 PM
Record Updated: 12/17/2018 2:10:00 PM
Updated By: DKMACNEA
Crossref ID: 02-2018-9828
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 12/27/2018 9:51:00 PM
Record Updated: 12/27/2018 9:51:00 PM
Updated By: DKMACNEA
Crossref ID: Not reported
Cross Ref Type Code: 1
Cross Ref Type: Spill No.
Record Added Date: 8/20/2019 1:45:00 PM
Record Updated: 8/20/2019 1:45:00 PM
Updated By: DKMACNEA

Name: QUEEN CITY LOFTS
Address: 178-188 MAIN STREET AND 11 SOUTH BRIDGE STREET
City,State,Zip: POUGHKEEPSIE, NY 12601
Site Code: 512561
Control Name: Landuse Restriction
HW Code: Not reported
Control Code: 25
Control Type: INST
Dt record added: 12/17/2018
Dt rec updated: 12/31/2018
Updated By: JJTEETER

**QUEEN CITY LOFTS (Continued)** **S123658138**

| | |
|---|---|
| Site Code: | 512561 |
| Site Description: | Location: Location: The site consists of a portion of one tax lot located at 178-188 Main Street, City of Poughkeepsie, Dutchess County, New York. The site is an irregular shaped, approximately 1.051 acre parcel, which has 236 feet of frontage on the southern side of Main Street and 190 feet of frontage on the eastern side of South Bridge Street. Site Features: The property currently contains a four story mixed use building with restricted residential and commercial uses and an asphalt parking lot. The ground generally slopes from the northwest corner of the site to the southeast. Current Zoning and Land Use: The site is zoned C-2 (Commercial with allowances for mixed-used buildings) and . Past Use of the Site: The site was used for various industrial, commercial, and residential purposes, including a machine shop and laundry facility, from as early as 1887 until the early to mid-1980s when most of the former on-site structures were demolished. In 1973 a fire gutted several of the existing buildings on the site. Site Geology and Hydrogeology: Soils have been reworked by excavation and the construction and demolition of prior buildings on the site. They consist of well drained brown to gray sands, which overlie brown loamy clays. Shallow groundwater in the vicinity of the property follows overall surficial topography and flows to the southwest, toward the Hudson River. Groundwater was encountered between 10 and 12 feet below the ground. |
| Env Problem: | Nature and Extent of Contamination: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were mercury, lead, and benzo(a)anthracene in soil, lead and ethylbenzene in groundwater, and tetrachlorethene in soil vapor. Remedial actions have successfully achieved soil cleanup objectives for restricted residential use. Residual contamination in the soil, groundwater, and soil vapor is being managed under a Site Management Plan. |
| Health Problem: | Measures are in place to control the potential for coming in contact with remaining residual contamination in subsurface soil, groundwater and soil vapor. |
| Dump: | False |
| Structure: | False |
| Lagoon: | False |
| Landfill: | False |
| Pond: | False |
| Disp Start: | Not reported |
| Disp Term: | Not reported |
| Lat/Long: | Not reported |
| Dell: | Not reported |
| Record Add: | 6/6/2016 3:58:00 PM |
| Record Upd: | 5/22/2019 2:03:00 PM |
| Updated By: | SMQUANDT |
| Own Op: | 6 |
| Sub Type: | P03 |
| Owner Name: | Kenneth Kearney |
| Owner Company: | The Kearney Realty & Development Group Inc. |
| Owner Address: | 34 Clayton Boulevard, Suite A |
| Owner Addr2: | Not reported |
| Owner City,St,Zip: | Baldwin Place, NY 10505 |
| Owner Country: | United States of America |
| Own Op: | Document Repository |
| Sub Type: | NNN |
| Owner Name: | Deborah Weltsch |

**QUEEN CITY LOFTS (Continued)** **S123658138**

Owner Company: Poughkeepsie Public Library District
Owner Address: 93 Market Street
Owner Addr2: Not reported
Owner City,St,Zip: Poughkeepsie, NY 12601
Owner Country: United States of America
Own Op: 1
Sub Type: P03
Owner Name: Ken Kearney
Owner Company: The QCL on Main Limited Partnership
Owner Address: 34 Clayton Boulevard
Owner Addr2: Suite A
Owner City,St,Zip: Baldwin Place, NY 10505
Owner Country: United States of America
Own Op: 6
Sub Type: P03
Owner Name: Kenneth Kearney
Owner Company: The QCL on Main Limited Partnership
Owner Address: 34 Clayton Boulevard, Suite A
Owner Addr2: Not reported
Owner City,St,Zip: Baldwin Place, NY 10505
Owner Country: United States of America
Own Op: 6
Sub Type: P03
Owner Name: C/O Hudson River Housing, Inc
Owner Company: The Queen City Lofts Housing Development Fund Company, Inc
Owner Address: 313 Mill Street
Owner Addr2: Not reported
Owner City,St,Zip: Poughkeepsie, NY 12601
Owner Country: United States of America
HW Code: Not reported
Waste Type: benzo(a)anthracene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: xylene (mixed)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: ethylbenzene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: mercury
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: n-propylbenzene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: 1,2,4-trimethylbenzene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: lead
Waste Quantity: UNKNOWN
Waste Code: Not reported

**QUEEN CITY LOFTS (Continued)** **S123658138**

Crossref ID: Not reported
Cross Ref Type Code: 1
Cross Ref Type: Spill No.
Record Added Date: 11/25/2015 10:33:00 AM
Record Updated: 11/25/2015 10:33:00 AM
Updated By: JYMCCART
Crossref ID: C314125-10-15
Cross Ref Type Code: 23
Cross Ref Type: Agreement/Consent Order Number
Record Added Date: 12/17/2018 2:10:00 PM
Record Updated: 12/17/2018 2:10:00 PM
Updated By: DKMACNEA
Crossref ID: 02-2018-9828
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 12/27/2018 9:51:00 PM
Record Updated: 12/27/2018 9:51:00 PM
Updated By: DKMACNEA
Crossref ID: Not reported
Cross Ref Type Code: 1
Cross Ref Type: Spill No.
Record Added Date: 8/20/2019 1:45:00 PM
Record Updated: 8/20/2019 1:45:00 PM
Updated By: DKMACNEA

Name: QUEEN CITY LOFTS
Address: 178-188 MAIN STREET AND 11 SOUTH BRIDGE STREET
City,State,Zip: POUGHKEEPSIE, NY 12601
Site Code: 512561
Control Name: Monitoring Plan
HW Code: Not reported
Control Code: 31
Control Type: INST
Dt record added: 12/17/2018
Dt rec updated: 12/31/2018
Updated By: JJTEETER
Site Code: 512561
Site Description: Location: Location: The site consists of a portion of one tax lot located at 178-188 Main Street, City of Poughkeepsie, Dutchess County, New York. The site is an irregular shaped, approximately 1.051 acre parcel, which has 236 feet of frontage on the southern side of Main Street and 190 feet of frontage on the eastern side of South Bridge Street. Site Features: The property currently contains a four story mixed use building with restricted residential and commercial uses and an asphalt parking lot. The ground generally slopes from the northwest corner of the site to the southeast. Current Zoning and Land Use: The site is zoned C-2 (Commercial with allowances for mixed-used buildings) and . Past Use of the Site: The site was used for various industrial, commercial, and residential purposes, including a machine shop and laundry facility, from as early as 1887 until the early to mid-1980s when most of the former on-site structures were demolished. In 1973 a fire gutted several of the existing buildings on the site. Site Geology and Hydrogeology: Soils have been reworked by excavation and the construction and demolition of prior buildings on the site. They consist of well drained brown to gray sands, which overlie brown loamy clays. Shallow groundwater in the vicinity of the property follows overall surficial

**QUEEN CITY LOFTS (Continued)** **S123658138**

topography and flows to the southwest, toward the Hudson River. Groundwater was encountered between 10 and 12 feet below the ground.
Env Problem: Nature and Extent of Contamination: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were mercury, lead, and benzo(a)anthracene in soil, lead and ethylbenzene in groundwater, and tetrachlorethene in soil vapor. Remedial actions have successfully achieved soil cleanup objectives for restricted residential use. Residual contamination in the soil, groundwater, and soil vapor is being managed under a Site Management Plan.
Health Problem: Measures are in place to control the potential for coming in contact with remaining residual contamination in subsurface soil, groundwater and soil vapor.
Dump: False
Structure: False
Lagoon: False
Landfill: False
Pond: False
Disp Start: Not reported
Disp Term: Not reported
Lat/Long: Not reported
Dell: Not reported
Record Add: 6/6/2016 3:58:00 PM
Record Upd: 5/22/2019 2:03:00 PM
Updated By: SMQUANDT
Own Op: 6
Sub Type: P03
Owner Name: Kenneth Kearney
Owner Company: The Kearney Realty & Development Group Inc.
Owner Address: 34 Clayton Boulevard, Suite A
Owner Addr2: Not reported
Owner City,St,Zip: Baldwin Place, NY 10505
Owner Country: United States of America
Own Op: Document Repository
Sub Type: NNN
Owner Name: Deborah Weltsch
Owner Company: Poughkeepsie Public Library District
Owner Address: 93 Market Street
Owner Addr2: Not reported
Owner City,St,Zip: Poughkeepsie, NY 12601
Owner Country: United States of America
Own Op: 1
Sub Type: P03
Owner Name: Ken Kearney
Owner Company: The QCL on Main Limited Partnership
Owner Address: 34 Clayton Boulevard
Owner Addr2: Suite A
Owner City,St,Zip: Baldwin Place, NY 10505
Owner Country: United States of America
Own Op: 6
Sub Type: P03
Owner Name: Kenneth Kearney
Owner Company: The QCL on Main Limited Partnership
Owner Address: 34 Clayton Boulevard, Suite A
Owner Addr2: Not reported
Owner City,St,Zip: Baldwin Place, NY 10505
Owner Country: United States of America

**QUEEN CITY LOFTS (Continued)** **S123658138**

Own Op: 6
Sub Type: P03
Owner Name: C/O Hudson River Housing, Inc
Owner Company: The Queen City Lofts Housing Development Fund Company, Inc
Owner Address: 313 Mill Street
Owner Addr2: Not reported
Owner City,St,Zip: Poughkeepsie, NY 12601
Owner Country: United States of America
HW Code: Not reported
Waste Type: benzo(a)anthracene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: xylene (mixed)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: ethylbenzene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: mercury
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: n-propylbenzene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: 1,2,4-trimethylbenzene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: lead
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: Not reported
Cross Ref Type Code: 1
Cross Ref Type: Spill No.
Record Added Date: 11/25/2015 10:33:00 AM
Record Updated: 11/25/2015 10:33:00 AM
Updated By: JYMCCART
Crossref ID: C314125-10-15
Cross Ref Type Code: 23
Cross Ref Type: Agreement/Consent Order Number
Record Added Date: 12/17/2018 2:10:00 PM
Record Updated: 12/17/2018 2:10:00 PM
Updated By: DKMACNEA
Crossref ID: 02-2018-9828
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 12/27/2018 9:51:00 PM
Record Updated: 12/27/2018 9:51:00 PM
Updated By: DKMACNEA
Crossref ID: Not reported
Cross Ref Type Code: 1
Cross Ref Type: Spill No.

**QUEEN CITY LOFTS (Continued)** **S123658138**

Record Added Date: 8/20/2019 1:45:00 PM
Record Updated: 8/20/2019 1:45:00 PM
Updated By: DKMACNEA

Name: QUEEN CITY LOFTS
Address: 178-188 MAIN STREET AND 11 SOUTH BRIDGE STREET
City,State,Zip: POUGHKEEPSIE, NY 12601
Site Code: 512561
Control Name: IC/EC Plan
HW Code: Not reported
Control Code: 34
Control Type: INST
Dt record added: 12/17/2018
Dt rec updated: 12/31/2018
Updated By: JJTEETER
Site Code: 512561
Site Description: Location: Location: The site consists of a portion of one tax lot located at 178-188 Main Street, City of Poughkeepsie, Dutchess County, New York. The site is an irregular shaped, approximately 1.051 acre parcel, which has 236 feet of frontage on the southern side of Main Street and 190 feet of frontage on the eastern side of South Bridge Street. Site Features: The property currently contains a four story mixed use building with restricted residential and commercial uses and an asphalt parking lot. The ground generally slopes from the northwest corner of the site to the southeast. Current Zoning and Land Use: The site is zoned C-2 (Commercial with allowances for mixed-used buildings) and . Past Use of the Site: The site was used for various industrial, commercial, and residential purposes, including a machine shop and laundry facility, from as early as 1887 until the early to mid-1980s when most of the former on-site structures were demolished. In 1973 a fire gutted several of the existing buildings on the site. Site Geology and Hydrogeology: Soils have been reworked by excavation and the construction and demolition of prior buildings on the site. They consist of well drained brown to gray sands, which overlie brown loamy clays. Shallow groundwater in the vicinity of the property follows overall surficial topography and flows to the southwest, toward the Hudson River. Groundwater was encountered between 10 and 12 feet below the ground.
Env Problem: Nature and Extent of Contamination: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were mercury, lead, and benzo(a)anthracene in soil, lead and ethylbenzene in groundwater, and tetrachlorethene in soil vapor. Remedial actions have successfully achieved soil cleanup objectives for restricted residential use. Residual contamination in the soil, groundwater, and soil vapor is being managed under a Site Management Plan.
Health Problem: Measures are in place to control the potential for coming in contact with remaining residual contamination in subsurface soil, groundwater and soil vapor.
Dump: False
Structure: False
Lagoon: False
Landfill: False
Pond: False
Disp Start: Not reported
Disp Term: Not reported
Lat/Long: Not reported

**QUEEN CITY LOFTS (Continued)** **S123658138**

Dell: Not reported
Record Add: 6/6/2016 3:58:00 PM
Record Upd: 5/22/2019 2:03:00 PM
Updated By: SMQUANDT
Own Op: 6
Sub Type: P03
Owner Name: Kenneth Kearney
Owner Company: The Kearney Realty & Development Group Inc.
Owner Address: 34 Clayton Boulevard, Suite A
Owner Addr2: Not reported
Owner City,St,Zip: Baldwin Place, NY 10505
Owner Country: United States of America
Own Op: Document Repository
Sub Type: NNN
Owner Name: Deborah Weltsch
Owner Company: Poughkeepsie Public Library District
Owner Address: 93 Market Street
Owner Addr2: Not reported
Owner City,St,Zip: Poughkeepsie, NY 12601
Owner Country: United States of America
Own Op: 1
Sub Type: P03
Owner Name: Ken Kearney
Owner Company: The QCL on Main Limited Partnership
Owner Address: 34 Clayton Boulevard
Owner Addr2: Suite A
Owner City,St,Zip: Baldwin Place, NY 10505
Owner Country: United States of America
Own Op: 6
Sub Type: P03
Owner Name: Kenneth Kearney
Owner Company: The QCL on Main Limited Partnership
Owner Address: 34 Clayton Boulevard, Suite A
Owner Addr2: Not reported
Owner City,St,Zip: Baldwin Place, NY 10505
Owner Country: United States of America
Own Op: 6
Sub Type: P03
Owner Name: C/O Hudson River Housing, Inc
Owner Company: The Queen City Lofts Housing Development Fund Company, Inc
Owner Address: 313 Mill Street
Owner Addr2: Not reported
Owner City,St,Zip: Poughkeepsie, NY 12601
Owner Country: United States of America
HW Code: Not reported
Waste Type: benzo(a)anthracene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: xylene (mixed)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: ethylbenzene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported

**QUEEN CITY LOFTS (Continued)** **S123658138**

Waste Type: mercury
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: n-propylbenzene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: 1,2,4-trimethylbenzene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: lead
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: Not reported
Cross Ref Type Code: 1
Cross Ref Type: Spill No.
Record Added Date: 11/25/2015 10:33:00 AM
Record Updated: 11/25/2015 10:33:00 AM
Updated By: JYMCCART
Crossref ID: C314125-10-15
Cross Ref Type Code: 23
Cross Ref Type: Agreement/Consent Order Number
Record Added Date: 12/17/2018 2:10:00 PM
Record Updated: 12/17/2018 2:10:00 PM
Updated By: DKMACNEA
Crossref ID: 02-2018-9828
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 12/27/2018 9:51:00 PM
Record Updated: 12/27/2018 9:51:00 PM
Updated By: DKMACNEA
Crossref ID: Not reported
Cross Ref Type Code: 1
Cross Ref Type: Spill No.
Record Added Date: 8/20/2019 1:45:00 PM
Record Updated: 8/20/2019 1:45:00 PM
Updated By: DKMACNEA

Name: QUEEN CITY LOFTS
Address: 178-188 MAIN STREET AND 11 SOUTH BRIDGE STREET
City,State,Zip: POUGHKEEPSIE, NY 12601
Site Code: 512561
Control Name: Environmental Easement
HW Code: Not reported
Control Code: Not reported
Control Type: INST
Dt record added: 12/17/2018
Dt rec updated: 12/31/2018
Updated By: JJTEETER
Site Code: 512561
Site Description: Location: Location: The site consists of a portion of one tax lot located at 178-188 Main Street, City of Poughkeepsie, Dutchess County, New York. The site is an irregular shaped, approximately 1.051 acre parcel, which has 236 feet of frontage on the southern side of Main Street and 190 feet of frontage on the eastern side of

**QUEEN CITY LOFTS (Continued)** **S123658138**

South Bridge Street. Site Features: The property currently contains a four story mixed use building with restricted residential and commercial uses and an asphalt parking lot. The ground generally slopes from the northwest corner of the site to the southeast. Current Zoning and Land Use: The site is zoned C-2 (Commercial with allowances for mixed-used buildings) and . Past Use of the Site: The site was used for various industrial, commercial, and residential purposes, including a machine shop and laundry facility, from as early as 1887 until the early to mid-1980s when most of the former on-site structures were demolished. In 1973 a fire gutted several of the existing buildings on the site. Site Geology and Hydrogeology: Soils have been reworked by excavation and the construction and demolition of prior buildings on the site. They consist of well drained brown to gray sands, which overlie brown loamy clays. Shallow groundwater in the vicinity of the property follows overall surficial topography and flows to the southwest, toward the Hudson River. Groundwater was encountered between 10 and 12 feet below the ground.

Env Problem: Nature and Extent of Contamination: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were mercury, lead, and benzo(a)anthracene in soil, lead and ethylbenzene in groundwater, and tetrachlorethene in soil vapor. Remedial actions have successfully achieved soil cleanup objectives for restricted residential use. Residual contamination in the soil, groundwater, and soil vapor is being managed under a Site Management Plan.

Health Problem: Measures are in place to control the potential for coming in contact with remaining residual contamination in subsurface soil, groundwater and soil vapor.

Dump: False
Structure: False
Lagoon: False
Landfill: False
Pond: False
Disp Start: Not reported
Disp Term: Not reported
Lat/Long: Not reported
Dell: Not reported
Record Add: 6/6/2016 3:58:00 PM
Record Upd: 5/22/2019 2:03:00 PM
Updated By: SMQUANDT
Own Op: 6
Sub Type: P03
Owner Name: Kenneth Kearney
Owner Company: The Kearney Realty & Development Group Inc.
Owner Address: 34 Clayton Boulevard, Suite A
Owner Addr2: Not reported
Owner City,St,Zip: Baldwin Place, NY 10505
Owner Country: United States of America
Own Op: Document Repository
Sub Type: NNN
Owner Name: Deborah Weltsch
Owner Company: Poughkeepsie Public Library District
Owner Address: 93 Market Street
Owner Addr2: Not reported
Owner City,St,Zip: Poughkeepsie, NY 12601
Owner Country: United States of America
Own Op: 1

**QUEEN CITY LOFTS (Continued)** **S123658138**

Sub Type: P03
Owner Name: Ken Kearney
Owner Company: The QCL on Main Limited Partnership
Owner Address: 34 Clayton Boulevard
Owner Addr2: Suite A
Owner City,St,Zip: Baldwin Place, NY 10505
Owner Country: United States of America
Own Op: 6
Sub Type: P03
Owner Name: Kenneth Kearney
Owner Company: The QCL on Main Limited Partnership
Owner Address: 34 Clayton Boulevard, Suite A
Owner Addr2: Not reported
Owner City,St,Zip: Baldwin Place, NY 10505
Owner Country: United States of America
Own Op: 6
Sub Type: P03
Owner Name: C/O Hudson River Housing, Inc
Owner Company: The Queen City Lofts Housing Development Fund Company, Inc
Owner Address: 313 Mill Street
Owner Addr2: Not reported
Owner City,St,Zip: Poughkeepsie, NY 12601
Owner Country: United States of America
HW Code: Not reported
Waste Type: benzo(a)anthracene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: xylene (mixed)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: ethylbenzene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: mercury
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: n-propylbenzene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: 1,2,4-trimethylbenzene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: lead
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: Not reported
Cross Ref Type Code: 1
Cross Ref Type: Spill No.
Record Added Date: 11/25/2015 10:33:00 AM
Record Updated: 11/25/2015 10:33:00 AM
Updated By: JYMCCART

**QUEEN CITY LOFTS (Continued)** **S123658138**

Crossref ID: C314125-10-15
Cross Ref Type Code: 23
Cross Ref Type: Agreement/Consent Order Number
Record Added Date: 12/17/2018 2:10:00 PM
Record Updated: 12/17/2018 2:10:00 PM
Updated By: DKMACNEA
Crossref ID: 02-2018-9828
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 12/27/2018 9:51:00 PM
Record Updated: 12/27/2018 9:51:00 PM
Updated By: DKMACNEA
Crossref ID: Not reported
Cross Ref Type Code: 1
Cross Ref Type: Spill No.
Record Added Date: 8/20/2019 1:45:00 PM
Record Updated: 8/20/2019 1:45:00 PM
Updated By: DKMACNEA

Name: QUEEN CITY LOFTS
Address: 178-188 MAIN STREET AND 11 SOUTH BRIDGE STREET
City,State,Zip: POUGHKEEPSIE, NY 12601
Site Code: 512561
Control Name: Site Management Plan
HW Code: Not reported
Control Code: 32
Control Type: INST
Dt record added: 12/17/2018
Dt rec updated: 12/31/2018
Updated By: JJTEETER
Site Code: 512561
Site Description: Location: Location: The site consists of a portion of one tax lot located at 178-188 Main Street, City of Poughkeepsie, Dutchess County, New York. The site is an irregular shaped, approximately 1.051 acre parcel, which has 236 feet of frontage on the southern side of Main Street and 190 feet of frontage on the eastern side of South Bridge Street. Site Features: The property currently contains a four story mixed use building with restricted residential and commercial uses and an asphalt parking lot. The ground generally slopes from the northwest corner of the site to the southeast. Current Zoning and Land Use: The site is zoned C-2 (Commercial with allowances for mixed-used buildings) and . Past Use of the Site: The site was used for various industrial, commercial, and residential purposes, including a machine shop and laundry facility, from as early as 1887 until the early to mid-1980s when most of the former on-site structures were demolished. In 1973 a fire gutted several of the existing buildings on the site. Site Geology and Hydrogeology: Soils have been reworked by excavation and the construction and demolition of prior buildings on the site. They consist of well drained brown to gray sands, which overlie brown loamy clays. Shallow groundwater in the vicinity of the property follows overall surficial topography and flows to the southwest, toward the Hudson River. Groundwater was encountered between 10 and 12 feet below the ground.
Env Problem: Nature and Extent of Contamination: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were mercury, lead, and benzo(a)anthracene in soil, lead and ethylbenzene in groundwater, and tetrachlorethene in soil vapor.

**QUEEN CITY LOFTS (Continued)** **S123658138**

| | |
|---|---|
| | Remedial actions have successfully achieved soil cleanup objectives for restricted residential use. Residual contamination in the soil, groundwater, and soil vapor is being managed under a Site Management Plan. |
| Health Problem: | Measures are in place to control the potential for coming in contact with remaining residual contamination in subsurface soil, groundwater and soil vapor. |
| Dump: | False |
| Structure: | False |
| Lagoon: | False |
| Landfill: | False |
| Pond: | False |
| Disp Start: | Not reported |
| Disp Term: | Not reported |
| Lat/Long: | Not reported |
| Dell: | Not reported |
| Record Add: | 6/6/2016 3:58:00 PM |
| Record Upd: | 5/22/2019 2:03:00 PM |
| Updated By: | SMQUANDT |
| Own Op: | 6 |
| Sub Type: | P03 |
| Owner Name: | Kenneth Kearney |
| Owner Company: | The Kearney Realty & Development Group Inc. |
| Owner Address: | 34 Clayton Boulevard, Suite A |
| Owner Addr2: | Not reported |
| Owner City,St,Zip: | Baldwin Place, NY 10505 |
| Owner Country: | United States of America |
| Own Op: | Document Repository |
| Sub Type: | NNN |
| Owner Name: | Deborah Weltsch |
| Owner Company: | Poughkeepsie Public Library District |
| Owner Address: | 93 Market Street |
| Owner Addr2: | Not reported |
| Owner City,St,Zip: | Poughkeepsie, NY 12601 |
| Owner Country: | United States of America |
| Own Op: | 1 |
| Sub Type: | P03 |
| Owner Name: | Ken Kearney |
| Owner Company: | The QCL on Main Limited Partnership |
| Owner Address: | 34 Clayton Boulevard |
| Owner Addr2: | Suite A |
| Owner City,St,Zip: | Baldwin Place, NY 10505 |
| Owner Country: | United States of America |
| Own Op: | 6 |
| Sub Type: | P03 |
| Owner Name: | Kenneth Kearney |
| Owner Company: | The QCL on Main Limited Partnership |
| Owner Address: | 34 Clayton Boulevard, Suite A |
| Owner Addr2: | Not reported |
| Owner City,St,Zip: | Baldwin Place, NY 10505 |
| Owner Country: | United States of America |
| Own Op: | 6 |
| Sub Type: | P03 |
| Owner Name: | C/O Hudson River Housing, Inc |
| Owner Company: | The Queen City Lofts Housing Development Fund Company, Inc |
| Owner Address: | 313 Mill Street |
| Owner Addr2: | Not reported |

**QUEEN CITY LOFTS (Continued)** **S123658138**

Owner City,St,Zip: Poughkeepsie, NY 12601
Owner Country: United States of America
HW Code: Not reported
Waste Type: benzo(a)anthracene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: xylene (mixed)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: ethylbenzene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: mercury
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: n-propylbenzene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: 1,2,4-trimethylbenzene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: lead
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: Not reported
Cross Ref Type Code: 1
Cross Ref Type: Spill No.
Record Added Date: 11/25/2015 10:33:00 AM
Record Updated: 11/25/2015 10:33:00 AM
Updated By: JYMCCART
Crossref ID: C314125-10-15
Cross Ref Type Code: 23
Cross Ref Type: Agreement/Consent Order Number
Record Added Date: 12/17/2018 2:10:00 PM
Record Updated: 12/17/2018 2:10:00 PM
Updated By: DKMACNEA
Crossref ID: 02-2018-9828
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 12/27/2018 9:51:00 PM
Record Updated: 12/27/2018 9:51:00 PM
Updated By: DKMACNEA
Crossref ID: Not reported
Cross Ref Type Code: 1
Cross Ref Type: Spill No.
Record Added Date: 8/20/2019 1:45:00 PM
Record Updated: 8/20/2019 1:45:00 PM
Updated By: DKMACNEA

Name: QUEEN CITY LOFTS
Address: 178-188 MAIN STREET AND 11 SOUTH BRIDGE STREET

**QUEEN CITY LOFTS (Continued)** **S123658138**

City,State,Zip: POUGHKEEPSIE, NY 12601
Site Code: 512561
Control Name: Building Use Restriction
HW Code: Not reported
Control Code: 26
Control Type: INST
Dt record added: 12/17/2018
Dt rec updated: 12/31/2018
Updated By: JJTEETER
Site Code: 512561
Site Description: Location: Location: The site consists of a portion of one tax lot located at 178-188 Main Street, City of Poughkeepsie, Dutchess County, New York. The site is an irregular shaped, approximately 1.051 acre parcel, which has 236 feet of frontage on the southern side of Main Street and 190 feet of frontage on the eastern side of South Bridge Street. Site Features: The property currently contains a four story mixed use building with restricted residential and commercial uses and an asphalt parking lot. The ground generally slopes from the northwest corner of the site to the southeast. Current Zoning and Land Use: The site is zoned C-2 (Commercial with allowances for mixed-used buildings) and . Past Use of the Site: The site was used for various industrial, commercial, and residential purposes, including a machine shop and laundry facility, from as early as 1887 until the early to mid-1980s when most of the former on-site structures were demolished. In 1973 a fire gutted several of the existing buildings on the site. Site Geology and Hydrogeology: Soils have been reworked by excavation and the construction and demolition of prior buildings on the site. They consist of well drained brown to gray sands, which overlie brown loamy clays. Shallow groundwater in the vicinity of the property follows overall surficial topography and flows to the southwest, toward the Hudson River. Groundwater was encountered between 10 and 12 feet below the ground.
Env Problem: Nature and Extent of Contamination: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were mercury, lead, and benzo(a)anthracene in soil, lead and ethylbenzene in groundwater, and tetrachlorethene in soil vapor. Remedial actions have successfully achieved soil cleanup objectives for restricted residential use. Residual contamination in the soil, groundwater, and soil vapor is being managed under a Site Management Plan.
Health Problem: Measures are in place to control the potential for coming in contact with remaining residual contamination in subsurface soil, groundwater and soil vapor.
Dump: False
Structure: False
Lagoon: False
Landfill: False
Pond: False
Disp Start: Not reported
Disp Term: Not reported
Lat/Long: Not reported
Dell: Not reported
Record Add: 6/6/2016 3:58:00 PM
Record Upd: 5/22/2019 2:03:00 PM
Updated By: SMQUANDT
Own Op: 6
Sub Type: P03

**QUEEN CITY LOFTS (Continued)** **S123658138**

Owner Name: Kenneth Kearney
Owner Company: The Kearney Realty & Development Group Inc.
Owner Address: 34 Clayton Boulevard, Suite A
Owner Addr2: Not reported
Owner City,St,Zip: Baldwin Place, NY 10505
Owner Country: United States of America
Own Op: Document Repository
Sub Type: NNN
Owner Name: Deborah Weltsch
Owner Company: Poughkeepsie Public Library District
Owner Address: 93 Market Street
Owner Addr2: Not reported
Owner City,St,Zip: Poughkeepsie, NY 12601
Owner Country: United States of America
Own Op: 1
Sub Type: P03
Owner Name: Ken Kearney
Owner Company: The QCL on Main Limited Partnership
Owner Address: 34 Clayton Boulevard
Owner Addr2: Suite A
Owner City,St,Zip: Baldwin Place, NY 10505
Owner Country: United States of America
Own Op: 6
Sub Type: P03
Owner Name: Kenneth Kearney
Owner Company: The QCL on Main Limited Partnership
Owner Address: 34 Clayton Boulevard, Suite A
Owner Addr2: Not reported
Owner City,St,Zip: Baldwin Place, NY 10505
Owner Country: United States of America
Own Op: 6
Sub Type: P03
Owner Name: C/O Hudson River Housing, Inc
Owner Company: The Queen City Lofts Housing Development Fund Company, Inc
Owner Address: 313 Mill Street
Owner Addr2: Not reported
Owner City,St,Zip: Poughkeepsie, NY 12601
Owner Country: United States of America
HW Code: Not reported
Waste Type: benzo(a)anthracene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: xylene (mixed)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: ethylbenzene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: mercury
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: n-propylbenzene
Waste Quantity: UNKNOWN

**QUEEN CITY LOFTS (Continued)** **S123658138**

Waste Code: Not reported
HW Code: Not reported
Waste Type: 1,2,4-trimethylbenzene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: lead
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: Not reported
Cross Ref Type Code: 1
Cross Ref Type: Spill No.
Record Added Date: 11/25/2015 10:33:00 AM
Record Updated: 11/25/2015 10:33:00 AM
Updated By: JYMCCART
Crossref ID: C314125-10-15
Cross Ref Type Code: 23
Cross Ref Type: Agreement/Consent Order Number
Record Added Date: 12/17/2018 2:10:00 PM
Record Updated: 12/17/2018 2:10:00 PM
Updated By: DKMACNEA
Crossref ID: 02-2018-9828
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 12/27/2018 9:51:00 PM
Record Updated: 12/27/2018 9:51:00 PM
Updated By: DKMACNEA
Crossref ID: Not reported
Cross Ref Type Code: 1
Cross Ref Type: Spill No.
Record Added Date: 8/20/2019 1:45:00 PM
Record Updated: 8/20/2019 1:45:00 PM
Updated By: DKMACNEA

Name: QUEEN CITY LOFTS
Address: 178-188 MAIN STREET AND 11 SOUTH BRIDGE STREET
City,State,Zip: POUGHKEEPSIE, NY 12601
Site Code: 512561
Control Name: Soil Management Plan
HW Code: Not reported
Control Code: 14
Control Type: INST
Dt record added: 12/17/2018
Dt rec updated: 12/31/2018
Updated By: JJTEETER
Site Code: 512561
Site Description: Location: Location: The site consists of a portion of one tax lot located at 178-188 Main Street, City of Poughkeepsie, Dutchess County, New York. The site is an irregular shaped, approximately 1.051 acre parcel, which has 236 feet of frontage on the southern side of Main Street and 190 feet of frontage on the eastern side of South Bridge Street. Site Features: The property currently contains a four story mixed use building with restricted residential and commercial uses and an asphalt parking lot. The ground generally slopes from the northwest corner of the site to the southeast. Current Zoning and Land Use: The site is zoned C-2 (Commercial with allowances for mixed-used buildings) and . Past Use of the Site: The

**QUEEN CITY LOFTS (Continued)** **S123658138**

site was used for various industrial, commercial, and residential purposes, including a machine shop and laundry facility, from as early as 1887 until the early to mid-1980s when most of the former on-site structures were demolished. In 1973 a fire gutted several of the existing buildings on the site. Site Geology and Hydrogeology: Soils have been reworked by excavation and the construction and demolition of prior buildings on the site. They consist of well drained brown to gray sands, which overlie brown loamy clays. Shallow groundwater in the vicinity of the property follows overall surficial topography and flows to the southwest, toward the Hudson River. Groundwater was encountered between 10 and 12 feet below the ground.

Env Problem: Nature and Extent of Contamination: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were mercury, lead, and benzo(a)anthracene in soil, lead and ethylbenzene in groundwater, and tetrachlorethene in soil vapor. Remedial actions have successfully achieved soil cleanup objectives for restricted residential use. Residual contamination in the soil, groundwater, and soil vapor is being managed under a Site Management Plan.

Health Problem: Measures are in place to control the potential for coming in contact with remaining residual contamination in subsurface soil, groundwater and soil vapor.

Dump: False
Structure: False
Lagoon: False
Landfill: False
Pond: False
Disp Start: Not reported
Disp Term: Not reported
Lat/Long: Not reported
Dell: Not reported
Record Add: 6/6/2016 3:58:00 PM
Record Upd: 5/22/2019 2:03:00 PM
Updated By: SMQUANDT
Own Op: 6
Sub Type: P03
Owner Name: Kenneth Kearney
Owner Company: The Kearney Realty & Development Group Inc.
Owner Address: 34 Clayton Boulevard, Suite A
Owner Addr2: Not reported
Owner City,St,Zip: Baldwin Place, NY 10505
Owner Country: United States of America
Own Op: Document Repository
Sub Type: NNN
Owner Name: Deborah Weltsch
Owner Company: Poughkeepsie Public Library District
Owner Address: 93 Market Street
Owner Addr2: Not reported
Owner City,St,Zip: Poughkeepsie, NY 12601
Owner Country: United States of America
Own Op: 1
Sub Type: P03
Owner Name: Ken Kearney
Owner Company: The QCL on Main Limited Partnership
Owner Address: 34 Clayton Boulevard
Owner Addr2: Suite A
Owner City,St,Zip: Baldwin Place, NY 10505

**QUEEN CITY LOFTS (Continued)** **S123658138**

Owner Country: United States of America
Own Op: 6
Sub Type: P03
Owner Name: Kenneth Kearney
Owner Company: The QCL on Main Limited Partnership
Owner Address: 34 Clayton Boulevard, Suite A
Owner Addr2: Not reported
Owner City,St,Zip: Baldwin Place, NY 10505
Owner Country: United States of America
Own Op: 6
Sub Type: P03
Owner Name: C/O Hudson River Housing, Inc
Owner Company: The Queen City Lofts Housing Development Fund Company, Inc
Owner Address: 313 Mill Street
Owner Addr2: Not reported
Owner City,St,Zip: Poughkeepsie, NY 12601
Owner Country: United States of America
HW Code: Not reported
Waste Type: benzo(a)anthracene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: xylene (mixed)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: ethylbenzene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: mercury
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: n-propylbenzene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: 1,2,4-trimethylbenzene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: lead
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: Not reported
Cross Ref Type Code: 1
Cross Ref Type: Spill No.
Record Added Date: 11/25/2015 10:33:00 AM
Record Updated: 11/25/2015 10:33:00 AM
Updated By: JYMCCART
Crossref ID: C314125-10-15
Cross Ref Type Code: 23
Cross Ref Type: Agreement/Consent Order Number
Record Added Date: 12/17/2018 2:10:00 PM
Record Updated: 12/17/2018 2:10:00 PM
Updated By: DKMACNEA

**QUEEN CITY LOFTS (Continued)** **S123658138**

Crossref ID: 02-2018-9828
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 12/27/2018 9:51:00 PM
Record Updated: 12/27/2018 9:51:00 PM
Updated By: DKMACNEA
Crossref ID: Not reported
Cross Ref Type Code: 1
Cross Ref Type: Spill No.
Record Added Date: 8/20/2019 1:45:00 PM
Record Updated: 8/20/2019 1:45:00 PM
Updated By: DKMACNEA

---

**E18** **COLUMBUS SCHOOL (PACE ACADEMY)** **NY Spills** **S121462620**
**SSW** **18 SOUTH PERRY ST** **N/A**
**< 1/8** **POUGHKEEPSIE, NY**
**0.072 mi.**
**381 ft.** **Site 3 of 3 in cluster E**

**Relative:** **Lower**

**Actual:** **105 ft.**

SPILLS:

| | |
|---|---|
| Name: | COLUMBUS SCHOOL (PACE ACADEMY) |
| Address: | 18 SOUTH PERRY ST |
| City,State,Zip: | POUGHKEEPSIE, NY |
| Spill Number/Closed Date: | 1708202 / 2017-12-01 |
| Facility ID: | 1708202 |
| Facility Type: | ER |
| DER Facility ID: | 518164 |
| Site ID: | 564599 |
| DEC Region: | 3 |
| Spill Cause: | Equipment Failure |
| Spill Class: | B1 |
| SWIS: | 1413 |
| Spill Date: | 2017-11-29 |
| Investigator: | MXTIPPLE |
| Referred To: | Not reported |
| Reported to Dept: | 2017-11-29 |
| CID: | Not reported |
| Water Affected: | Not reported |
| Spill Source: | Institutional, Educational, Gov., Other |
| Spill Notifier: | Citizen |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 2017-11-29 |
| Spill Record Last Update: | 2017-12-06 |
| Spiller Name: | Not reported |
| Spiller Company: | MOBILE STEAM CO |
| Spiller Address: | Not reported |
| Spiller Company: | 999 |
| Contact Name: | BRYAN WOODS |
| DEC Memo: | "11/29/17 - Caller is a citizen that work as teacher at the school. The mobile boiler unit is dripping fuel in coffee can. The Caller will email pictures which will be uploaded to DECDocs. KAB 12/1/17 Small area and coffee can on asphalt impacted by oil. The delivery person that delivered oil to the mobile boiler dripped during |

**COLUMBUS SCHOOL (PACE ACADEMY) (Continued)** **S121462620**

| | |
|---|---|
| Remarks: | delivery. School facilities spread some speedy dry and cleaned the staining. The oil delivery company is now on notice to be more careful and clean any drips caused by future deliveries. NFA. mt" "Outside Mobile Boiler Unit set up in the rear of the building has a fuel leak which some of material has been dripping into a catch can, but most is dripping onto the ground. caller request callback so he can send pictures of the situation." |

All Materials:

| | |
|---|---|
| Site ID: | 564599 |
| Operable Unit ID: | 1312542 |
| Operable Unit: | 01 |
| Material ID: | 2319847 |
| Material Code: | 0001A |
| Material Name: | #2 fuel oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | 1.00 |
| Units: | G |
| Recovered: | Not reported |
| Oxygenate: | Not reported |

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**F19** **COMMERCIAL PROPERTY BROWNSFIELD** **NY Spills** **S118636840**
**SSE** **13-15 SOUTH BRIDGE ST** **N/A**
**< 1/8** **POUGHKEEPSIE, NY**
**0.074 mi.**
**391 ft.** **Site 1 of 9 in cluster F**

**Relative:**
**Higher**

**Actual:**
**127 ft.**

SPILLS:

| | |
|---|---|
| Name: | COMMERCIAL PROPERTY BROWNSFIELD |
| Address: | 13-15 SOUTH BRIDGE ST |
| City,State,Zip: | POUGHKEEPSIE, NY |
| Spill Number/Closed Date: | 1511940 / 2018-12-31 |
| Facility ID: | 1511940 |
| Facility Type: | ER |
| DER Facility ID: | 478960 |
| Site ID: | 524728 |
| DEC Region: | 3 |
| Spill Cause: | Unknown |
| Spill Class: | C4 |
| SWIS: | 1413 |
| Spill Date: | 2016-03-16 |
| Investigator: | MBMASTRO |
| Referred To: | Not reported |
| Reported to Dept: | 2016-03-16 |
| CID: | Not reported |
| Water Affected: | Not reported |
| Spill Source: | Commercial/Industrial |
| Spill Notifier: | Other |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 2016-03-16 |
| Spill Record Last Update: | 2019-08-20 |

**COMMERCIAL PROPERTY BROWNSFIELD (Continued)** **S118636840**

| | |
|---|---|
| Spiller Name: | Not reported |
| Spiller Company: | HISTORICAL |
| Spiller Address: | Not reported |
| Spiller Company: | 999 |
| Contact Name: | ECO SYSTEMS |
| DEC Memo: | "3-16-16 Spoke with Adam. He says they were doing some borings as part of a pre-purchase assessment. They did 6 borings, 3 of which they converted to wells. Adam notes some odor in samples. He describes impact as old and weathered. One well produced exceedences in gw for 1, 2, 4 trimethylbenzene, ethylbenzene, xylenes and a few other things. Adam says he will be project contact. Location used to be a cab company. 2006 PBS inspection done based on registered 10k motor fuel ust. Operator and owner attended PBS settlement conference. Story was that UST was removed at some point prior to inspection by Conklin. Conrad did some borings to confirm tank's removal and found contamination. They claimed tank was gone. Spill related to that incident closed. PBS registration shows as inactive due to owner not acceptably closing out registration. A second closed PBS registration exists for location as operator registered and removed a small waste oil AST discovered during 2006 inspection. jc 3-16-16 Update: Adam called back. He forgot to mention that the potential purchaser also owns the adjacent parcels to the north. These parcels are in the Brownfields program, project C314125. Adam says that the owner intends to apply for this site also since they would be included in the redevelopment plans. Advised Adam to contact Ed Moore to discuss any potential outstanding PBS issues that may fall to his client. jc The BCP site was issued a COC on December 31, 2018. The remedial work addressed the spill. The spill is closed. dkm " |
| Remarks: | "contamination based on sample results" |

All Materials:

| | |
|---|---|
| Site ID: | 524728 |
| Operable Unit ID: | 1273690 |
| Operable Unit: | 01 |
| Material ID: | 2278145 |
| Material Code: | 0066A |
| Material Name: | unknown petroleum |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | Not reported |
| Units: | G |
| Recovered: | Not reported |
| Oxygenate: | Not reported |

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**F20** **DUTCHESS EXPRESS** **RCRA NonGen / NLR** **1004760411**
**SSE** **13 S BRIDGE ST** **FINDS** **NYR000044123**
**< 1/8** **POUGHKEEPSIE, NY 12601** **ECHO**
**0.074 mi.** **NY MANIFEST**
**391 ft.** **Site 2 of 9 in cluster F**

**Relative:** **Higher**
**Actual:** **127 ft.**

RCRA NonGen / NLR:

| | |
|---|---|
| Date Form Received by Agency: | 2007-01-01 00:00:00.0 |
| Handler Name: | DUTCHESS EXPRESS |
| Handler Address: | 13 S BRIDGE ST |
| Handler City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| EPA ID: | NYR000044123 |

**DUTCHESS EXPRESS (Continued)** **1004760411**

| | |
|---|---|
| Contact Name: | BILL DOTY |
| Contact Address: | S BRIDGE ST |
| Contact City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| Contact Telephone: | 914-471-1100 |
| Contact Fax: | Not reported |
| Contact Email: | Not reported |
| Contact Title: | Not reported |
| EPA Region: | 02 |
| Land Type: | Private |
| Federal Waste Generator Description: | Not a generator, verified |
| Non-Notifier: | Not reported |
| Biennial Report Cycle: | Not reported |
| Accessibility: | Not reported |
| Active Site Indicator: | Not reported |
| State District Owner: | NY |
| State District: | NYSDEC R3 |
| Mailing Address: | S BRIDGE ST |
| Mailing City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| Owner Name: | DUTCHESS EXPRESS |
| Owner Type: | Private |
| Operator Name: | DUTCHESS EXPRESS |
| Operator Type: | Private |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site Fed-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site Converter Treatment storage and Disposal Facility: | Not reported |
| Active Site State-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | NN |
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |

**DUTCHESS EXPRESS (Continued)** **1004760411**

| | |
|---|---|
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 2015-04-14 00:00:00.0 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | Not reported |
| Manifest Broker: | Not reported |
| Sub-Part P Indicator: | Not reported |

Hazardous Waste Summary:

| | |
|---|---|
| Waste Code: | D001 |
| Waste Description: | IGNITABLE WASTE |
| Waste Code: | F003 |
| Waste Description: | THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES. |
| Waste Code: | F005 |
| Waste Description: | THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES. |

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | DUTCHESS EXPRESS |
| Legal Status: | Private |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 13 S BRIDGE ST |
| Owner/Operator City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| Owner/Operator Telephone: | 914-471-1100 |

**DUTCHESS EXPRESS (Continued)** **1004760411**

| | |
|---|---|
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| | |
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | DUTCHESS EXPRESS |
| Legal Status: | Private |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 13 S BRIDGE ST |
| Owner/Operator City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| Owner/Operator Telephone: | 914-471-1100 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| | |
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | DUTCHESS EXPRESS |
| Legal Status: | Private |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 13 S BRIDGE ST |
| Owner/Operator City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| Owner/Operator Telephone: | 914-471-1100 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

Historic Generators:

| | |
|---|---|
| Receive Date: | 2006-01-01 00:00:00.0 |
| Handler Name: | DUTCHESS EXPRESS |
| Federal Waste Generator Description: | Not a generator, verified |
| State District Owner: | NY |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | No |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |
| | |
| Receive Date: | 2007-01-01 00:00:00.0 |
| Handler Name: | DUTCHESS EXPRESS |
| Federal Waste Generator Description: | Not a generator, verified |
| State District Owner: | NY |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | Yes |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |
| | |
| Receive Date: | 1997-08-25 00:00:00.0 |
| Handler Name: | DUTCHESS EXPRESS |

**DUTCHESS EXPRESS (Continued)** **1004760411**

| | |
|---|---|
| Federal Waste Generator Description: | Conditionally Exempt Small Quantity Generator |
| State District Owner: | NY |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | No |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |

List of NAICS Codes and Descriptions:

No NAICS Codes Found:

Facility Has Received Notices of Violation:

No Violations Found:

Evaluation Action Summary:

No Evaluations Found:

FINDS:
Registry ID: 110004536878

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

| | |
|---|---|
| Envid: | 1004760411 |
| Registry ID: | 110004536878 |
| DFR URL: | http://echo.epa.gov/detailed-facility-report?fid=110004536878 |
| Name: | DUTCHESS EXPRESS |
| Address: | 13 S BRIDGE ST |
| City,State,Zip: | POUGHKEEPSIE, NY 12601 |

NY MANIFEST:

| | |
|---|---|
| Name: | DUTCHESS EXPRESS |
| Address: | 13 S BRIDGE ST |
| City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| Country: | USA |
| EPA ID: | NYR000044123 |
| Facility Status: | Not reported |
| Location Address 1: | 13 S BRIDGE ST |
| Code: | BP |

**DUTCHESS EXPRESS (Continued)** **1004760411**

| | |
|---|---|
| Location Address 2: | Not reported |
| Total Tanks: | Not reported |
| Location City: | POUGHKEEPSIE |
| Location State: | NY |
| Location Zip: | 12601 |
| Location Zip 4: | Not reported |

NY MANIFEST:

| | |
|---|---|
| EPAID: | NYR000044123 |
| Mailing Name: | DUTCHESS EXPRESS |
| Mailing Contact: | BILL DOTY |
| Mailing Address 1: | 13 S BRIDGE ST |
| Mailing Address 2: | Not reported |
| Mailing City: | POUGHKEEPSIE |
| Mailing State: | NY |
| Mailing Zip: | 12601 |
| Mailing Zip 4: | Not reported |
| Mailing Country: | USA |
| Mailing Phone: | 9144711100 |

NY MANIFEST:

| | |
|---|---|
| Document ID: | MAK0139300 |
| Manifest Status: | K |
| seq: | Not reported |
| Year: | 1997 |
| Trans1 State ID: | P207061IL |
| Trans2 State ID: | Not reported |
| Generator Ship Date: | 11/11/1997 |
| Trans1 Recv Date: | 11/11/1997 |
| Trans2 Recv Date: | / / |
| TSD Site Recv Date: | 11/14/1997 |
| Part A Recv Date: | / / |
| Part B Recv Date: | 12/11/1997 |
| Generator EPA ID: | NYR000044123 |
| Trans1 EPA ID: | NJD080631369 |
| Trans2 EPA ID: | Not reported |
| TSDF ID 1: | MAD053452637 |
| TSDF ID 2: | Not reported |
| Manifest Tracking Number: | Not reported |
| Import Indicator: | Not reported |
| Export Indicator: | Not reported |
| Discr Quantity Indicator: | Not reported |
| Discr Type Indicator: | Not reported |
| Discr Residue Indicator: | Not reported |
| Discr Partial Reject Indicator: | Not reported |
| Discr Full Reject Indicator: | Not reported |
| Manifest Ref Number: | Not reported |
| Alt Facility RCRA ID: | Not reported |
| Alt Facility Sign Date: | Not reported |
| MGMT Method Type Code: | Not reported |
| Waste Code: | F003 - UNKNOWN |
| Waste Code: | Not reported |
| Waste Code: | Not reported |
| Waste Code: | Not reported |
| Waste Code: | Not reported |
| Waste Code: | Not reported |
| Quantity: | 00090 |

**DUTCHESS EXPRESS (Continued)** **1004760411**

| | |
|---|---|
| Units: | G - Gallons (liquids only)* (8.3 pounds) |
| Number of Containers: | 001 |
| Container Type: | TT - Cargo tank, tank trucks |
| Handling Method: | B Incineration, heat recovery, burning. |
| Specific Gravity: | 100 |

---

**F21** **YELLOW CAB** **NY AST** **A100307842**
**SSE** **15 SOUTH BRIDGE STREET** **N/A**
**< 1/8** **POUGHKEEPSIE, NY 12601**
**0.074 mi.**
**392 ft.** **Site 3 of 9 in cluster F**

**Relative:**
**Higher**

**Actual:**
**129 ft.**

AST:

| | |
|---|---|
| Name: | YELLOW CAB |
| Address: | 15 SOUTH BRIDGE STREET |
| City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| Region: | STATE |
| DEC Region: | 3 |
| Site Status: | Unregulated/Closed |
| Facility Id: | 3-601912 |
| Program Type: | PBS |
| UTM X: | 588811.95921 |
| UTM Y: | 4617509.84407 |
| Expiration Date: | N/A |
| Site Type: | Other |

Affiliation Records:

| | |
|---|---|
| Site Id: | 385576 |
| Affiliation Type: | Facility Owner |
| Company Name: | JOHN TOMITZ |
| Contact Type: | PRESIDENT |
| Contact Name: | EDWARD TOMITZ |
| Address1: | 390 SUFFOLK AVENUE |
| Address2: | Not reported |
| City: | ISLANDIA |
| State: | NY |
| Zip Code: | 11749 |
| Country Code: | 001 |
| Phone: | 0000000000000000000 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | BHYUKOWE |
| Date Last Modified: | 2007-08-08 |

| | |
|---|---|
| Site Id: | 385576 |
| Affiliation Type: | Mail Contact |
| Company Name: | EDWARD TOMITZ |
| Contact Type: | Not reported |
| Contact Name: | Not reported |
| Address1: | YELLOW MANAGEMENT ENTERPRISES, INC. |
| Address2: | 15 SOUTH BRIDGE STREET |
| City: | POUGHKEEPSIE |
| State: | NY |
| Zip Code: | 12601 |
| Country Code: | 001 |
| Phone: | (845) 471-1100 |
| EMail: | Not reported |

**YELLOW CAB (Continued)** **A100307842**

| | |
|---|---|
| Fax Number: | Not reported |
| Modified By: | BHYUKOWE |
| Date Last Modified: | 2007-08-08 |

| | |
|---|---|
| Site Id: | 385576 |
| Affiliation Type: | Facility Operator |
| Company Name: | YELLOW CAB |
| Contact Type: | Not reported |
| Contact Name: | YELLOW MGMT ENTERPRISES |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (845) 471-1100 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | BHYUKOWE |
| Date Last Modified: | 2007-08-08 |

| | |
|---|---|
| Site Id: | 385576 |
| Affiliation Type: | Emergency Contact |
| Company Name: | JOHN TOMITZ |
| Contact Type: | Not reported |
| Contact Name: | EDWARD TOMITZ |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (845) 471-1100 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | BHYUKOWE |
| Date Last Modified: | 2007-08-08 |

Tank Info:

| | |
|---|---|
| Tank Number: | 1 |
| Tank Id: | 218801 |
| Material Code: | 0022 |
| Common Name of Substance: | Waste Oil/Used Oil |

Equipment Records:

E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
I00 - Overfill - None
A00 - Tank Internal Protection - None
K00 - Spill Prevention - None
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
D00 - Pipe Type - No Piping
L00 - Piping Leak Detection - None

**YELLOW CAB (Continued)** **A100307842**

| | |
|---|---|
| | J00 - Dispenser - None |
| | G00 - Tank Secondary Containment - None |
| Tank Location: | Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated above grade or tank pad, allowing visual inspection. |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | Closed - Removed |
| Pipe Model: | Not reported |
| Install Date: | Not reported |
| Capacity Gallons: | 275 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | 09/12/2006 |
| Register: | True |
| Modified By: | BHYUKOWE |
| Last Modified: | 04/14/2017 |
| Material Name: | waste oil/used oil |

---

**F22** **HUDSON RIVER SHUTTLE** **NY LTANKS** **S108297256**
**SSE** **13A SOUTH BRIDGE** **NY Spills** **N/A**
**< 1/8** **POUGHKEEPSIE, NY**
**0.074 mi.**
**392 ft.** **Site 4 of 9 in cluster F**

**Relative:** **Higher**
**Actual:** **127 ft.**

LTANKS:

| | |
|---|---|
| Name: | HUDSON RIVER SHUTTLE |
| Address: | 13A SOUTH BRIDGE |
| City,State,Zip: | POUGHKEEPSIE, NY |
| Spill Number/Closed Date: | 9106196 / 1992-07-06 |
| Facility ID: | 9106196 |
| Site ID: | 180480 |
| Spill Date: | 1991-09-09 |
| Spill Cause: | Tank Test Failure |
| Spill Source: | Commercial/Industrial |
| Spill Class: | C3 |
| Cleanup Ceased: | 1953-06-18 |
| SWIS: | 1446 |
| Investigator: | WXWADSWO |
| Referred To: | Not reported |
| Reported to Dept: | 1991-09-09 |
| CID: | Not reported |
| Water Affected: | Not reported |
| Spill Notifier: | Tank Tester |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| Meets Standard: | True |
| UST Involvement: | True |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 1991-09-11 |
| Spill Record Last Update: | 1992-08-24 |
| Spiller Name: | Not reported |
| Spiller Company: | SAME |
| Spiller Address: | Not reported |
| Spiller County: | 001 |
| Spiller Contact: | Not reported |
| Spiller Phone: | Not reported |
| Spiller Extention: | Not reported |
| DEC Region: | 3 |

**HUDSON RIVER SHUTTLE (Continued)** **S108297256**

DER Facility ID: 151374
DEC Memo: "Prior to Sept, 2004 data translation this spill Lead_DEC Field was WADSWORTH 09/27/95: This is additional information about material spilled from the translation of the old spill file: TANK TEST."
Remarks: "WILL EIR LINE TEST BY 9/11/91 TANK VAPOR POCKET HONER EASY 185086"

All TTF:
Facility ID: 9106196
Spill Number: 9106196
Spill Tank Test: 1539019
Site ID: 180480
Tank Number: Not reported
Tank Size: 0
Material: 0009
EPA UST: Not reported
UST: Not reported
Cause: Not reported
Source: Not reported
Test Method: 00
Test Method 2: Unknown
Leak Rate: .00
Gross Fail: Not reported
Modified By: Spills
Last Modified Date: Not reported

All Materials:
Site ID: 180480
Operable Unit ID: 960517
Operable Unit: 01
Material ID: 421928
Material Code: 0009
Material Name: gasoline
Case No.: Not reported
Material FA: Petroleum
Quantity: .00
Units: Not reported
Recovered: .00
Oxygenate: Not reported

SPILLS:
Name: YELLOW CAB POUGHKEEPSIE
Address: 13 SOUTH BRIDGE ST
City,State,Zip: POUGHKEEPSIE, NY
Spill Number/Closed Date: 0611093 / 2007-01-17
Facility ID: 0611093
Facility Type: ER
DER Facility ID: 325293
Site ID: 375674
DEC Region: 3
Spill Cause: Unknown
Spill Class: C3
SWIS: 1413
Spill Date: 2007-01-04
Investigator: VPMCCABE
Referred To: Not reported
Reported to Dept: 2007-01-04

**HUDSON RIVER SHUTTLE (Continued)** **S108297256**

| | |
|---|---|
| CID: | 406 |
| Water Affected: | Not reported |
| Spill Source: | Commercial/Industrial |
| Spill Notifier: | Other |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 2007-01-04 |
| Spill Record Last Update: | 2007-02-20 |
| Spiller Name: | BRIAN SUCHOFF |
| Spiller Company: | 13 BRIDGE ST. CORPORATION |
| Spiller Address: | 13 BRIDGE ST. |
| Spiller Company: | 001 |
| Contact Name: | BRIAN SUCHOFF |
| DEC Memo: | "JOSH CUMMINS WAS INVOLVED DUE TO PROSENCE OF UNREGISTERED UST. SAMPLES HAVE BEEN SENT. 1/9/07: V. MC. SITE INSPECT. IDC DID TANK REMOVAL BACK IN 1990'S BUT NO RECORD. A geoprobe investigation was completed by Conrad Geoscience on 1/4/07. Results indicate soil contamination is minimal and does not require further investigation/remediation. Refer to 1/17/07 report. " |
| Remarks: | "Did borings for potential property transaction. Found contamination in borings. Unknown clean up. Unknown if groundwater was affected." |

All Materials:

| | |
|---|---|
| Site ID: | 375674 |
| Operable Unit ID: | 1133294 |
| Operable Unit: | 01 |
| Material ID: | 2123100 |
| Material Code: | 0009 |
| Material Name: | gasoline |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | Not reported |
| Units: | G |
| Recovered: | .00 |
| Oxygenate: | Not reported |

---

**F23** **CENTRAL DUBOIS VANS CABS INC** **NY UST** **U001843769**
**SSE** **13A SOUTH BRIDGE ST** **N/A**
**< 1/8** **POUGHKEEPSIE, NY 12601**
**0.075 mi.**
**394 ft.** **Site 5 of 9 in cluster F**

**Relative:** **Higher**

**Actual:** **127 ft.**

UST:

| | |
|---|---|
| Name: | CENTRAL DUBOIS VANS CABS INC |
| Address: | 13A SOUTH BRIDGE ST |
| City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| Id/Status: | 3-185086 / Inactive |
| Program Type: | PBS |
| Region: | STATE |
| DEC Region: | 3 |
| Expiration Date: | N/A |
| UTM X: | 588819.45381 |
| UTM Y: | 4617505.41422 |

**CENTRAL DUBOIS VANS CABS INC (Continued)** **U001843769**

Site Type: Trucking/Transportation/Fleet Operation

Affiliation Records:

Site Id: 32933
Affiliation Type: Facility Owner
Company Name: CENTRAL DUBOIS VANS CABS INC
Contact Type: Not reported
Contact Name: Not reported
Address1: 13A SOUTH BRIDGE ST
Address2: Not reported
City: POUGHKEEPSIE
State: NY
Zip Code: 12601
Country Code: 001
Phone: (914) 471-1490
EMail: Not reported
Fax Number: Not reported
Modified By: RDBENDEL
Date Last Modified: 2006-08-25

Site Id: 32933
Affiliation Type: Mail Contact
Company Name: CENTRAL DUBOIS VANS CABS INC
Contact Type: Not reported
Contact Name: Not reported
Address1: 13A SOUTH BRIDGE ST
Address2: Not reported
City: POUGHKEEPSIE
State: NY
Zip Code: 12601
Country Code: 001
Phone: (914) 471-1490
EMail: Not reported
Fax Number: Not reported
Modified By: RDBENDEL
Date Last Modified: 2006-08-25

Site Id: 32933
Affiliation Type: Facility Operator
Company Name: CENTRAL DUBOIS VANS CABS INC
Contact Type: Not reported
Contact Name: CENTRAL DUBOIS VANS CABS INC
Address1: Not reported
Address2: Not reported
City: Not reported
State: NY
Zip Code: Not reported
Country Code: 001
Phone: (914) 471-1490
EMail: Not reported
Fax Number: Not reported
Modified By: RDBENDEL
Date Last Modified: 2006-08-25

Site Id: 32933
Affiliation Type: Emergency Contact
Company Name: CENTRAL DUBOIS VANS CABS INC
Contact Type: Not reported

**CENTRAL DUBOIS VANS CABS INC (Continued)** **U001843769**

| | |
|---|---|
| Contact Name: | ROBERT ENGEL |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 999 |
| Phone: | (914) 471-0378 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | RDBENDEL |
| Date Last Modified: | 2006-08-25 |

Tank Info:

| | |
|---|---|
| Tank Number: | 1 |
| Tank ID: | 73744 |
| Tank Status: | In Service |
| Material Name: | In Service |
| Capacity Gallons: | 8000 |
| Install Date: | 10/01/1977 |
| Date Tank Closed: | Not reported |
| Registered: | True |
| Tank Location: | Underground |
| Tank Type: | Steel/carbon steel |
| Material Code: | 0009 |
| Common Name of Substance: | Gasoline |
| Tightness Test Method: | 00 |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Pipe Model: | Not reported |
| Modified By: | JPCUMMIN |
| Last Modified: | 04/14/2017 |

Equipment Records:

G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
H00 - Tank Leak Detection - None
I00 - Overfill - None
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
D02 - Pipe Type - Galvanized Steel
A00 - Tank Internal Protection - None

---

**D24** **APARTMENT BUILD** **NY Spills** **S106127330**
**SE** **192-194 MAIN STREET** **N/A**
**< 1/8** **POUGHKEEPSIE, NY**
**0.076 mi.**
**400 ft.** **Site 6 of 8 in cluster D**

**Relative:**
**Higher**

**Actual:**
**140 ft.**

SPILLS:

| | |
|---|---|
| Name: | APARTMENT BUILD |
| Address: | 192-194 MAIN STREET |
| City,State,Zip: | POUGHKEEPSIE, NY |
| Spill Number/Closed Date: | 0311129 / 2004-04-19 |
| Facility ID: | 0311129 |

**APARTMENT BUILD (Continued)** **S106127330**

| | |
|---|---|
| Facility Type: | ER |
| DER Facility ID: | 173020 |
| Site ID: | 208513 |
| DEC Region: | 3 |
| Spill Cause: | Vandalism |
| Spill Class: | C3 |
| SWIS: | 1446 |
| Spill Date: | 2003-12-30 |
| Investigator: | VPMCCABE |
| Referred To: | Not reported |
| Reported to Dept: | 2003-12-30 |
| CID: | 444 |
| Water Affected: | Not reported |
| Spill Source: | Commercial/Industrial |
| Spill Notifier: | Other |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Std: | True |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 2003-12-30 |
| Spill Record Last Update: | 2004-08-11 |
| Spiller Name: | RIVER REALTY MANAGEMENT |
| Spiller Company: | WILLOW COURT APARTMENTS |
| Spiller Address: | 192-194 MAIN STREET |
| Spiller Company: | 001 |
| Contact Name: | ROBERT SMITH |
| DEC Memo: | "Prior to Sept, 2004 data translation this spill Lead_DEC Field was MCCABE 01/05/2004 V. MCCABE SITE INSPECTION. SOIL STOCKPILED REAR OF BUILDING. This spill was updated 08/11/2004 from info in V. McCabe's data files. 'Date:' = 12/30/03, 'Phone' = - -, 'Site Insp' = 12-30:R.Sm.. " |
| Remarks: | "TANK PULLED FOUND CONTAMINATED SOIL AND GROUNDWATER. SOILS WILL BE REMOVED AND PLACED AT FACILITY. CLOSURE REPORT WILL BE SENT TO DEC. " |

All TTF:

| | |
|---|---|
| Facility ID: | 0311129 |
| Spill Number: | 0311129 |
| Spill Tank Test: | 1528889 |
| Site ID: | 208513 |
| Tank Number: | Not reported |
| Tank Size: | 2000 |
| Material: | 0001 |
| EPA UST: | Not reported |
| UST: | Not reported |
| Cause: | Not reported |
| Source: | Not reported |
| Test Method: | 20 |
| Test Method 2: | USTest 2000/P/LL plus USTest 2000/U |
| Leak Rate: | .00 |
| Gross Fail: | Not reported |
| Modified By: | Spills |
| Last Modified Date: | Not reported |

All Materials:

| | |
|---|---|
| Site ID: | 208513 |

**APARTMENT BUILD (Continued)** **S106127330**

| | |
|---|---|
| Operable Unit ID: | 878885 |
| Operable Unit: | 01 |
| Material ID: | 499956 |
| Material Code: | 0001A |
| Material Name: | #2 fuel oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | .00 |
| Units: | L |
| Recovered: | .00 |
| Oxygenate: | Not reported |

---

**D25** **WILLOW COURT APTS.** **NY AST** **U004048775**
**SE** **192-194 MAIN STREET** **N/A**
**< 1/8** **POUGHKEEPSIE, NY 12601**
**0.076 mi.**
**400 ft.** **Site 7 of 8 in cluster D**

**Relative:**
**Higher**

**Actual:**
**140 ft.**

AST:

| | |
|---|---|
| Name: | WILLOW COURT APTS. |
| Address: | 192-194 MAIN STREET |
| City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| Region: | STATE |
| DEC Region: | 3 |
| Site Status: | Unregulated/Closed |
| Facility Id: | 3-601650 |
| Program Type: | PBS |
| UTM X: | 588885.44379 |
| UTM Y: | 4617555.47649 |
| Expiration Date: | N/A |
| Site Type: | Apartment Building/Office Building |

Affiliation Records:

| | |
|---|---|
| Site Id: | 55601 |
| Affiliation Type: | Facility Owner |
| Company Name: | WIILOW COURT APARTMENTS, INC. |
| Contact Type: | VICE PRESIDENT |
| Contact Name: | RONALD J. PICCONE, PRESIDENT |
| Address1: | 8 ELIZA STREET, PO. BOX 391 |
| Address2: | Not reported |
| City: | BEACON |
| State: | NY |
| Zip Code: | 12508 |
| Country Code: | 001 |
| Phone: | (845) 838-1700 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | ejcalifa |
| Date Last Modified: | 2004-05-13 |

| | |
|---|---|
| Site Id: | 55601 |
| Affiliation Type: | Mail Contact |
| Company Name: | WIILOW COURT APARTMENTS, INC. |
| Contact Type: | Not reported |
| Contact Name: | RONALD J. PICCONE, PRESIDENT |
| Address1: | 8 ELIZA STREET |
| Address2: | PO. BOX 391 |

**WILLOW COURT APTS. (Continued)** **U004048775**

| | |
|---|---|
| City: | BEACON |
| State: | NY |
| Zip Code: | 12508 |
| Country Code: | 001 |
| Phone: | (845) 838-1700 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | ejcalifa |
| Date Last Modified: | 2004-05-13 |

| | |
|---|---|
| Site Id: | 55601 |
| Affiliation Type: | Facility Operator |
| Company Name: | WIILOW COURT APTS. |
| Contact Type: | Not reported |
| Contact Name: | RIVER MANAGEMENT |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (845) 486-1100 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | ejcalifa |
| Date Last Modified: | 2004-05-13 |

| | |
|---|---|
| Site Id: | 55601 |
| Affiliation Type: | Emergency Contact |
| Company Name: | WIILOW COURT APARTMENTS, INC. |
| Contact Type: | Not reported |
| Contact Name: | JAMIE PICCONE |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (845) 838-1700 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | ejcalifa |
| Date Last Modified: | 2004-05-13 |

Tank Info:

| | |
|---|---|
| Tank Number: | 001 |
| Tank Id: | 178780 |
| Material Code: | 0003 |
| Common Name of Substance: | #6 Fuel Oil (On-Site Consumption) |

Equipment Records:

| | |
|---|---|
| | D02 - Pipe Type - Galvanized Steel |
| | C03 - Pipe Location - Aboveground/Underground Combination |
| | J02 - Dispenser - Suction Dispenser |
| Tank Location: | Partially buried tank (tank with 10% or more below ground).... Tank is |

**WILLOW COURT APTS. (Continued)** **U004048775**

| | |
|---|---|
| | less than 90% above grade, partially buried. |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | Closed - Removed |
| Pipe Model: | Not reported |
| Install Date: | Not reported |
| Capacity Gallons: | 3000 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | 12/30/2003 |
| Register: | True |
| Modified By: | ejcalifa |
| Last Modified: | 04/14/2017 |
| Material Name: | #6 fuel oil (on-site consumption) |

---

**D26** **WENDYS** **NY Spills** **S104654082**
**SE** **MAIN ST/VASSAR RD** **N/A**
**< 1/8** **POUGHKEEPSIE, NY**
**0.084 mi.**
**445 ft.** **Site 8 of 8 in cluster D**

**Relative:** **Higher**
**Actual:** **143 ft.**

SPILLS:

| | |
|---|---|
| Name: | WENDYS |
| Address: | MAIN ST/VASSAR RD |
| City,State,Zip: | POUGHKEEPSIE, NY |
| Spill Number/Closed Date: | 0003798 / 2000-06-28 |
| Facility ID: | 0003798 |
| Facility Type: | ER |
| DER Facility ID: | 98711 |
| Site ID: | 113101 |
| DEC Region: | 3 |
| Spill Cause: | Unknown |
| Spill Class: | D3 |
| SWIS: | 1446 |
| Spill Date: | 2000-06-28 |
| Investigator: | vpmccabe |
| Referred To: | Not reported |
| Reported to Dept: | 2000-06-28 |
| CID: | 246 |
| Water Affected: | Not reported |
| Spill Source: | Commercial/Industrial |
| Spill Notifier: | Citizen |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Std: | True |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 2000-06-28 |
| Spill Record Last Update: | 2004-08-11 |
| Spiller Name: | CUNK |
| Spiller Company: | WENDY'S |
| Spiller Address: | MAIN ST/VASSAR RD |
| Spiller Company: | 001 |
| Contact Name: | CALLER |
| DEC Memo: | "Prior to Sept, 2004 data translation this spill Lead_DEC Field was MCCABE/TRAVER This spill was updated 08/11/2004 from info in V. McCabe's data files. 'Date:' = 06/28/00, 'Phone' = - -, 'Site Insp' = |

**WENDYS (Continued)** **S104654082**

DCHD. "

Remarks: "CALLER STATES THAT WENDY'S AT LOCATION IS DUMPING RAW SEWAGE INTO THEIR PARKING LOT AND GREEN SPACE - THEY SAY IT IS COOKING GREASE OR A GREASE TANK OVERFILL, BUT COMP SAYS IT IS SEWAGE"

All Materials:

| | |
|---|---|
| Site ID: | 113101 |
| Operable Unit ID: | 826193 |
| Operable Unit: | 01 |
| Material ID: | 548548 |
| Material Code: | 0062A |
| Material Name: | raw sewage |
| Case No.: | Not reported |
| Material FA: | Other |
| Quantity: | .00 |
| Units: | G |
| Recovered: | .00 |
| Oxygenate: | Not reported |

---

**F27** **HOT BODIES AUTO RECONDITIONING** **RCRA NonGen / NLR** **1004759988**
**SSE** **24 S BRIDGE ST** **FINDS** **NYR000028506**
**< 1/8** **POUGHKEEPSIE, NY 12601** **ECHO**
**0.087 mi.** **NY MANIFEST**
**461 ft.** **Site 6 of 9 in cluster F**

**Relative: Higher**
**Actual: 122 ft.**

RCRA NonGen / NLR:

| | |
|---|---|
| Date Form Received by Agency: | 2007-01-01 00:00:00.0 |
| Handler Name: | HOT BODIES AUTO RECONDITIONING |
| Handler Address: | 24 S BRIDGE ST |
| Handler City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| EPA ID: | NYR000028506 |
| Contact Name: | JOSEPH LEPHEW |
| Contact Address: | S BRIDGE ST |
| Contact City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| Contact Telephone: | 914-473-2915 |
| Contact Fax: | Not reported |
| Contact Email: | Not reported |
| Contact Title: | Not reported |
| EPA Region: | 02 |
| Land Type: | Private |
| Federal Waste Generator Description: | Not a generator, verified |
| Non-Notifier: | Not reported |
| Biennial Report Cycle: | Not reported |
| Accessibility: | Not reported |
| Active Site Indicator: | Not reported |
| State District Owner: | NY |
| State District: | NYSDEC R3 |
| Mailing Address: | S BRIDGE ST |
| Mailing City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| Owner Name: | ROBERT A JANKOVICS |
| Owner Type: | Private |
| Operator Name: | ROBERT A JANKOVICS |
| Operator Type: | Private |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |

**HOT BODIES AUTO RECONDITIONING (Continued)** **1004759988**

| | |
|---|---|
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site Fed-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site Converter Treatment storage and Disposal Facility: | Not reported |
| Active Site State-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | NN |
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 2015-04-14 00:00:00.0 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | Not reported |
| Manifest Broker: | Not reported |
| Sub-Part P Indicator: | Not reported |

Hazardous Waste Summary:

| | |
|---|---|
| Waste Code: | D001 |
| Waste Description: | IGNITABLE WASTE |

**HOT BODIES AUTO RECONDITIONING (Continued)** **1004759988**

Waste Code: F001
Waste Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F002
Waste Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F003
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F005
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: ROBERT A JANKOVICS
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 43 MARKET ST
Owner/Operator City,State,Zip: POUGHKEEPSIE, NY 12601
Owner/Operator Telephone: 914-473-1600
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: ROBERT A JANKOVICS

**HOT BODIES AUTO RECONDITIONING (Continued)** **1004759988**

| | |
|---|---|
| Legal Status: | Private |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 43 MARKET ST |
| Owner/Operator City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| Owner/Operator Telephone: | 914-473-1600 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| | |
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | ROBERT A JANKOVICS |
| Legal Status: | Private |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 43 MARKET ST |
| Owner/Operator City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| Owner/Operator Telephone: | 914-473-1600 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

Historic Generators:

| | |
|---|---|
| Receive Date: | 2006-01-01 00:00:00.0 |
| Handler Name: | HOT BODIES AUTO RECONDITIONING |
| Federal Waste Generator Description: | Not a generator, verified |
| State District Owner: | NY |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | No |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |
| | |
| Receive Date: | 2007-01-01 00:00:00.0 |
| Handler Name: | HOT BODIES AUTO RECONDITIONING |
| Federal Waste Generator Description: | Not a generator, verified |
| State District Owner: | NY |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | Yes |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |
| | |
| Receive Date: | 1996-08-23 00:00:00.0 |
| Handler Name: | HOT BODIES AUTO RECONDITIONING |
| Federal Waste Generator Description: | Conditionally Exempt Small Quantity Generator |
| State District Owner: | NY |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |

**HOT BODIES AUTO RECONDITIONING (Continued)** **1004759988**

| | |
|---|---|
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | No |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |

List of NAICS Codes and Descriptions:

No NAICS Codes Found:

Facility Has Received Notices of Violation:

No Violations Found:

Evaluation Action Summary:

No Evaluations Found:

FINDS:
Registry ID: 110004527904

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

| | |
|---|---|
| Envid: | 1004759988 |
| Registry ID: | 110004527904 |
| DFR URL: | http://echo.epa.gov/detailed-facility-report?fid=110004527904 |
| Name: | HOT BODIES AUTO RECONDITIONING |
| Address: | 24 S BRIDGE ST |
| City,State,Zip: | POUGHKEEPSIE, NY 12601 |

NY MANIFEST:

| | |
|---|---|
| Name: | HOT BODIES AUTO RECONDITIONING |
| Address: | 24 S BRIDGE ST |
| City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| Country: | USA |
| EPA ID: | NYR000028506 |
| Facility Status: | Not reported |
| Location Address 1: | 24 SOUTH BRIDGE STREET |
| Code: | BP |
| Location Address 2: | Not reported |
| Total Tanks: | Not reported |
| Location City: | POUGHKEEPSIE |
| Location State: | NY |
| Location Zip: | 12601 |
| Location Zip 4: | Not reported |

**HOT BODIES AUTO RECONDITIONING (Continued)** **1004759988**

NY MANIFEST:

| | |
|---|---|
| EPAID: | NYR000028506 |
| Mailing Name: | HOT BODIES AUTO RECONDITIONING |
| Mailing Contact: | JOSEPH LEPHEW |
| Mailing Address 1: | 24 SOUTH BRIDGE STREET |
| Mailing Address 2: | Not reported |
| Mailing City: | POUGHKEEPSIE |
| Mailing State: | NY |
| Mailing Zip: | 12601 |
| Mailing Zip 4: | Not reported |
| Mailing Country: | USA |
| Mailing Phone: | 9144732915 |

NY MANIFEST:

| | |
|---|---|
| Document ID: | NYB7690698 |
| Manifest Status: | C |
| seq: | Not reported |
| Year: | 1996 |
| Trans1 State ID: | P207083IL |
| Trans2 State ID: | Not reported |
| Generator Ship Date: | 09/17/1996 |
| Trans1 Recv Date: | 09/17/1996 |
| Trans2 Recv Date: | / / |
| TSD Site Recv Date: | 09/20/1996 |
| Part A Recv Date: | 09/25/1996 |
| Part B Recv Date: | 10/10/1996 |
| Generator EPA ID: | NYR000028506 |
| Trans1 EPA ID: | NJD080631369 |
| Trans2 EPA ID: | Not reported |
| TSDF ID 1: | NYD049836679 |
| TSDF ID 2: | Not reported |
| Manifest Tracking Number: | Not reported |
| Import Indicator: | Not reported |
| Export Indicator: | Not reported |
| Discr Quantity Indicator: | Not reported |
| Discr Type Indicator: | Not reported |
| Discr Residue Indicator: | Not reported |
| Discr Partial Reject Indicator: | Not reported |
| Discr Full Reject Indicator: | Not reported |
| Manifest Ref Number: | Not reported |
| Alt Facility RCRA ID: | Not reported |
| Alt Facility Sign Date: | Not reported |
| MGMT Method Type Code: | Not reported |
| Waste Code: | F005 - UNKNOWN |
| Waste Code: | Not reported |
| Waste Code: | Not reported |
| Waste Code: | Not reported |
| Waste Code: | Not reported |
| Waste Code: | Not reported |
| Quantity: | 00120 |
| Units: | G - Gallons (liquids only)* (8.3 pounds) |
| Number of Containers: | 001 |
| Container Type: | TT - Cargo tank, tank trucks |
| Handling Method: | B Incineration, heat recovery, burning. |
| Specific Gravity: | 100 |

**G28** **NYSDEC** **NY MANIFEST** **1009235192**
**WNW** **18 N CLOVER** **N/A**
**< 1/8** **POUGHKEEPSIE, NY 12603**
**0.088 mi.**
**463 ft.** **Site 1 of 3 in cluster G**

**Relative:**
**Lower**

**Actual:**
**109 ft.**

NY MANIFEST:

| | |
|---|---|
| Name: | NYSDEC |
| Address: | 18 N CLOVER |
| City,State,Zip: | POUGHKEEPSIE, NY 12603 |
| Country: | USA |
| EPA ID: | NYP003600095 |
| Facility Status: | Not reported |
| Location Address 1: | 18 N CLOVER |
| Code: | BP |
| Location Address 2: | Not reported |
| Total Tanks: | Not reported |
| Location City: | POUGHKEEPSIE |
| Location State: | NY |
| Location Zip: | 12603 |
| Location Zip 4: | Not reported |

NY MANIFEST:

| | |
|---|---|
| EPAID: | NYP003600095 |
| Mailing Name: | NYSDEC |
| Mailing Contact: | NYSDEC |
| Mailing Address 1: | 625 BROADWAY |
| Mailing Address 2: | Not reported |
| Mailing City: | ALBANY |
| Mailing State: | NY |
| Mailing Zip: | 12233 |
| Mailing Zip 4: | Not reported |
| Mailing Country: | USA |
| Mailing Phone: | 5184029543 |

NY MANIFEST:

| | |
|---|---|
| Document ID: | NYA7202268 |
| Manifest Status: | C |
| seq: | Not reported |
| Year: | 1989 |
| Trans1 State ID: | 000000000 |
| Trans2 State ID: | 000000000 |
| Generator Ship Date: | 05/16/1989 |
| Trans1 Recv Date: | 05/16/1989 |
| Trans2 Recv Date: | 05/17/1989 |
| TSD Site Recv Date: | 05/19/1989 |
| Part A Recv Date: | 06/06/1989 |
| Part B Recv Date: | 06/06/1989 |
| Generator EPA ID: | NYP003600095 |
| Trans1 EPA ID: | NYD980761191 |
| Trans2 EPA ID: | NYD980761191 |
| TSDF ID 1: | NYD013277454 |
| TSDF ID 2: | Not reported |
| Manifest Tracking Number: | Not reported |
| Import Indicator: | Not reported |
| Export Indicator: | Not reported |
| Discr Quantity Indicator: | Not reported |
| Discr Type Indicator: | Not reported |
| Discr Residue Indicator: | Not reported |

**NYSDEC (Continued)** **1009235192**

| | |
|---|---|
| Discr Partial Reject Indicator: | Not reported |
| Discr Full Reject Indicator: | Not reported |
| Manifest Ref Number: | Not reported |
| Alt Facility RCRA ID: | Not reported |
| Alt Facility Sign Date: | Not reported |
| MGMT Method Type Code: | Not reported |
| Waste Code: | D001 - NON-LISTED IGNITABLE WASTES |
| Waste Code: | Not reported |
| Waste Code: | Not reported |
| Waste Code: | Not reported |
| Waste Code: | Not reported |
| Waste Code: | Not reported |
| Quantity: | 00045 |
| Units: | G - Gallons (liquids only)* (8.3 pounds) |
| Number of Containers: | 001 |
| Container Type: | DM - Metal drums, barrels |
| Handling Method: | R Material recovery of more than 75 percent of the total material. |
| Specific Gravity: | 100 |

---

**F29** **QUALITY COLLISION** **RCRA-VSQG** **1017780177**
**SSE** **24-26 S BRIDGE ST - REAR** **FINDS** **NYR000217695**
**< 1/8** **POUGHKEEPSIE, NY 12601**
**0.088 mi.**
**463 ft.** **Site 7 of 9 in cluster F**

**Relative:** **Higher**
**Actual:** **126 ft.**

RCRA-VSQG:

| | |
|---|---|
| Date Form Received by Agency: | 2015-02-05 00:00:00.0 |
| Handler Name: | QUALITY COLLISION |
| Handler Address: | 24-26 S BRIDGE ST - REAR |
| Handler City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| EPA ID: | NYR000217695 |
| Contact Name: | JENNIFER M CLINE |
| Contact Address: | S BRIDGE ST - REAR |
| Contact City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| Contact Telephone: | 845-473-3148 |
| Contact Fax: | Not reported |
| Contact Email: | JCLINEP@AOL.COM |
| Contact Title: | OFFICE MANAGER |
| EPA Region: | 02 |
| Land Type: | Municipal |
| Federal Waste Generator Description: | Conditionally Exempt Small Quantity Generator |
| Non-Notifier: | Not reported |
| Biennial Report Cycle: | Not reported |
| Accessibility: | Not reported |
| Active Site Indicator: | Handler Activities |
| State District Owner: | NY |
| State District: | NYSDEC R3 |
| Mailing Address: | S BRIDGE ST - REAR |
| Mailing City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| Owner Name: | JANKOVICS - SUZANNE GALANOS |
| Owner Type: | Private |
| Operator Name: | DONALD SCHECHTER |
| Operator Type: | Private |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |

**QUALITY COLLISION (Continued)** **1017780177**

| | |
|---|---|
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site Fed-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site Converter Treatment storage and Disposal Facility: | Not reported |
| Active Site State-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | NN |
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 2015-03-04 13:27:30.0 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | Not reported |
| Manifest Broker: | Not reported |
| Sub-Part P Indicator: | Not reported |

Hazardous Waste Summary:

| | |
|---|---|
| Waste Code: | D001 |
| Waste Description: | IGNITABLE WASTE |

**QUALITY COLLISION (Continued)** **1017780177**

Waste Code: D003
Waste Description: REACTIVE WASTE

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: DONALD SCHECHTER
Legal Status: Private
Date Became Current: 2014-10-27 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: JANKOVICS - SUZANNE GALANOS
Legal Status: Private
Date Became Current: 2014-10-27 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: 24-26 S BRIDGE ST
Owner/Operator City,State,Zip: POUGHKEEPSIE, NY 12601
Owner/Operator Telephone: 845-473-1600
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 2015-02-05 00:00:00.0
Handler Name: QUALITY COLLISION
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 81112
NAICS Description: AUTOMOTIVE BODY, PAINT, INTERIOR, AND GLASS REPAIR

NAICS Code: 81119
NAICS Description: OTHER AUTOMOTIVE REPAIR AND MAINTENANCE

Facility Has Received Notices of Violation:

No Violations Found:

Evaluation Action Summary:

**QUALITY COLLISION (Continued)** **1017780177**

No Evaluations Found:

FINDS:
Registry ID: 110063757153

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

---

**H30** **DURBY RESTAURANT** **NY Spills** **S102151098**
**WSW** **96 MAIN ST** **N/A**
**< 1/8** **POUGHKEEPSIE, NY**
**0.090 mi.**
**474 ft.** **Site 1 of 2 in cluster H**

**Relative:** **Lower**
**Actual:** **97 ft.**

SPILLS:

| | |
|---|---|
| Name: | DURBY RESTAURANT |
| Address: | 96 MAIN ST |
| City,State,Zip: | POUGHKEEPSIE, NY |
| Spill Number/Closed Date: | 8807634 / 1988-12-19 |
| Facility ID: | 8807634 |
| Facility Type: | ER |
| DER Facility ID: | 256186 |
| Site ID: | 317824 |
| DEC Region: | 3 |
| Spill Cause: | Unknown |
| Spill Class: | Not reported |
| SWIS: | 1446 |
| Spill Date: | 1988-12-18 |
| Investigator: | dxtraver |
| Referred To: | Not reported |
| Reported to Dept: | 1988-12-18 |
| CID: | Not reported |
| Water Affected: | Not reported |
| Spill Source: | Unknown |
| Spill Notifier: | Citizen |
| Cleanup Ceased: | 1988-12-19 |
| Cleanup Meets Std: | True |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 1989-01-09 |
| Spill Record Last Update: | 1989-02-03 |
| Spiller Name: | Not reported |
| Spiller Company: | Not reported |
| Spiller Address: | Not reported |
| Spiller Company: | 001 |

**DURBY RESTAURANT (Continued)** **S102151098**

Contact Name: Not reported
DEC Memo: "Prior to Sept, 2004 data translation this spill Lead_DEC Field was TRAVER "
Remarks: "FUEL OIL IN SEWER CITY LOOKING INTO WILL CALL"

All Materials:
Site ID: 317824
Operable Unit ID: 923121
Operable Unit: 01
Material ID: 455962
Material Code: 0001A
Material Name: #2 fuel oil
Case No.: Not reported
Material FA: Petroleum
Quantity: .00
Units: Not reported
Recovered: .00
Oxygenate: Not reported

---

**G31** **POK. FIRE HOUSE** **NY LTANKS** **S104621505**
**WNW** **MAIN ST** **N/A**
**< 1/8** **POUGHKEEPSIE, NY**
**0.092 mi.**
**488 ft.** **Site 2 of 3 in cluster G**

**Relative:**
**Lower**

**Actual:**
**110 ft.**

LTANKS:
Name: POK. FIRE HOUSE
Address: MAIN ST
City,State,Zip: POUGHKEEPSIE, NY
Spill Number/Closed Date: 0001246 / 2002-04-02
Facility ID: 0001246
Site ID: 238789
Spill Date: 2000-05-01
Spill Cause: Tank Test Failure
Spill Source: Institutional, Educational, Gov., Other
Spill Class: C4
Cleanup Ceased: Not reported
SWIS: 1446
Investigator: VPMCCABE
Referred To: Not reported
Reported to Dept: 2000-05-01
CID: 281
Water Affected: Not reported
Spill Notifier: Tank Tester
Last Inspection: Not reported
Recommended Penalty: False
Meets Standard: True
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 2000-05-01
Spill Record Last Update: 2004-08-11
Spiller Name: KEN ROSA
Spiller Company: POUGHKEEPSIE FIRE DEPT
Spiller Address: MAIN ST
Spiller County: 001
Spiller Contact: KEN ROSA
Spiller Phone: (914) 451-4112

**POK. FIRE HOUSE (Continued)** **S104621505**

| | |
|---|---|
| Spiller Extention: | Not reported |
| DEC Region: | 3 |
| DER Facility ID: | 196548 |
| DEC Memo: | "Prior to Sept, 2004 data translation this spill Lead_DEC Field was MCCABE This spill was updated 08/11/2004 from info in V. McCabe's data files. 'Date:' = 05/01/00, 'Phone' = 8/16/2001, 'Site Insp' = N/A. " |
| Remarks: | "TANK TEST FAILURE AT ABOVE LOCATION. TANK TO BE UNCOVERED,ISOLATED AND RETESTED. CITY ADVISED OF TEST RESULTS." |

All TTF:

| | |
|---|---|
| Facility ID: | 0001246 |
| Spill Number: | 0001246 |
| Spill Tank Test: | 1525540 |
| Site ID: | 238789 |
| Tank Number: | 1 |
| Tank Size: | 1000 |
| Material: | 0001 |
| EPA UST: | Not reported |
| UST: | Not reported |
| Cause: | Not reported |
| Source: | Not reported |
| Test Method: | 20 |
| Test Method 2: | USTest 2000/P/LL plus USTest 2000/U |
| Leak Rate: | .00 |
| Gross Fail: | Not reported |
| Modified By: | Spills |
| Last Modified Date: | Not reported |

All Materials:

| | |
|---|---|
| Site ID: | 238789 |
| Operable Unit ID: | 822891 |
| Operable Unit: | 01 |
| Material ID: | 289468 |
| Material Code: | 0001A |
| Material Name: | #2 fuel oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | .00 |
| Units: | G |
| Recovered: | .00 |
| Oxygenate: | Not reported |

---

**G32** **POUGHKEEPSIE DAY CARE CENTER** **RCRA NonGen / NLR** **1001203129**
**NW** **36 N CLOVER ST** **FINDS** **NYR000044842**
**< 1/8** **POUGHKEEPSIE, NY 12601** **ECHO**
**0.093 mi.** **NY MANIFEST**
**489 ft.** **Site 3 of 3 in cluster G**

**Relative:**
**Lower**

**Actual:**
**109 ft.**

RCRA NonGen / NLR:

| | |
|---|---|
| Date Form Received by Agency: | 2007-01-01 00:00:00.0 |
| Handler Name: | POUGHKEEPSIE DAY CARE CENTER |
| Handler Address: | 36 N CLOVER ST |
| Handler City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| EPA ID: | NYR000044842 |
| Contact Name: | JEANNE WAGNER |
| Contact Address: | N CLOVER ST |

**POUGHKEEPSIE DAY CARE CENTER (Continued)** **1001203129**

| | |
|---|---|
| Contact City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| Contact Telephone: | 914-471-1910 |
| Contact Fax: | Not reported |
| Contact Email: | Not reported |
| Contact Title: | Not reported |
| EPA Region: | 02 |
| Land Type: | Municipal |
| Federal Waste Generator Description: | Not a generator, verified |
| Non-Notifier: | Not reported |
| Biennial Report Cycle: | Not reported |
| Accessibility: | Not reported |
| Active Site Indicator: | Not reported |
| State District Owner: | NY |
| State District: | NYSDEC R3 |
| Mailing Address: | N CLOVER ST |
| Mailing City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| Owner Name: | CITY OF POUGHKEEPSIE |
| Owner Type: | Municipal |
| Operator Name: | CITY OF POUGHKEEPSIE |
| Operator Type: | Municipal |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site Fed-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site Converter Treatment storage and Disposal Facility: | Not reported |
| Active Site State-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | NN |
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |

**POUGHKEEPSIE DAY CARE CENTER (Continued)** **1001203129**

| | |
|---|---|
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 2015-04-14 00:00:00.0 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | Not reported |
| Manifest Broker: | Not reported |
| Sub-Part P Indicator: | Not reported |

Hazardous Waste Summary:

| | |
|---|---|
| Waste Code: | D000 |
| Waste Description: | Not Defined |
| Waste Code: | D008 |
| Waste Description: | LEAD |

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | CITY OF POUGHKEEPSIE |
| Legal Status: | Municipal |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | PO BOX 300 - MUNICIPAL BLDG |
| Owner/Operator City,State,Zip: | POUGHKEEPSIE, NY 12602 |
| Owner/Operator Telephone: | 914-451-4200 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | CITY OF POUGHKEEPSIE |
| Legal Status: | Municipal |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | PO BOX 300 - MUNICIPAL BLDG |
| Owner/Operator City,State,Zip: | POUGHKEEPSIE, NY 12602 |
| Owner/Operator Telephone: | 914-451-4200 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | CITY OF POUGHKEEPSIE |
| Legal Status: | Municipal |
| Date Became Current: | Not reported |

**POUGHKEEPSIE DAY CARE CENTER (Continued)** **1001203129**

| | |
|---|---|
| Date Ended Current: | Not reported |
| Owner/Operator Address: | PO BOX 300 - MUNICIPAL BLDG |
| Owner/Operator City,State,Zip: | POUGHKEEPSIE, NY 12602 |
| Owner/Operator Telephone: | 914-451-4200 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

Historic Generators:

| | |
|---|---|
| Receive Date: | 2006-01-01 00:00:00.0 |
| Handler Name: | POUGHKEEPSIE DAY CARE CENTER |
| Federal Waste Generator Description: | Not a generator, verified |
| State District Owner: | NY |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | No |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |

| | |
|---|---|
| Receive Date: | 2007-01-01 00:00:00.0 |
| Handler Name: | POUGHKEEPSIE DAY CARE CENTER |
| Federal Waste Generator Description: | Not a generator, verified |
| State District Owner: | NY |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | Yes |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |

| | |
|---|---|
| Receive Date: | 1997-09-16 00:00:00.0 |
| Handler Name: | POUGHKEEPSIE DAY CARE CENTER |
| Federal Waste Generator Description: | Small Quantity Generator |
| State District Owner: | NY |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | No |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |

List of NAICS Codes and Descriptions:

No NAICS Codes Found:

Facility Has Received Notices of Violation:

No Violations Found:

**POUGHKEEPSIE DAY CARE CENTER (Continued)** **1001203129**

Evaluation Action Summary:

No Evaluations Found:

FINDS:
Registry ID: 110004537350

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

| | |
|---|---|
| Envid: | 1001203129 |
| Registry ID: | 110004537350 |
| DFR URL: | http://echo.epa.gov/detailed-facility-report?fid=110004537350 |
| Name: | POUGHKEEPSIE DAY CARE CENTER |
| Address: | 36 N CLOVER ST |
| City,State,Zip: | POUGHKEEPSIE, NY 12601 |

NY MANIFEST:

| | |
|---|---|
| Name: | POUGHKEEPSIE DAY CARE CENTER |
| Address: | 36 N CLOVER ST |
| City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| Country: | USA |
| EPA ID: | NYR000044842 |
| Facility Status: | Not reported |
| Location Address 1: | 36 NORTH CLOVER STREET |
| Code: | BP |
| Location Address 2: | Not reported |
| Total Tanks: | Not reported |
| Location City: | POUGHKEEPSIE |
| Location State: | NY |
| Location Zip: | 12601 |
| Location Zip 4: | Not reported |

NY MANIFEST:

| | |
|---|---|
| EPAID: | NYR000044842 |
| Mailing Name: | POUGHKEEPSIE DAY CARE CENTER |
| Mailing Contact: | JEANNE WAGNER |
| Mailing Address 1: | 36 NORTH CLOVER STREET |
| Mailing Address 2: | Not reported |
| Mailing City: | POUGHKEEPSIE |
| Mailing State: | NY |
| Mailing Zip: | 12601 |
| Mailing Zip 4: | Not reported |
| Mailing Country: | USA |
| Mailing Phone: | 9144711910 |

**POUGHKEEPSIE DAY CARE CENTER (Continued)** **1001203129**

NY MANIFEST:

| | |
|---|---|
| Document ID: | NJA2729277 |
| Manifest Status: | K |
| seq: | Not reported |
| Year: | 1997 |
| Trans1 State ID: | Not reported |
| Trans2 State ID: | 50060 |
| Generator Ship Date: | 09/24/1997 |
| Trans1 Recv Date: | 09/24/1997 |
| Trans2 Recv Date: | 09/30/1997 |
| TSD Site Recv Date: | 09/30/1997 |
| Part A Recv Date: | / / |
| Part B Recv Date: | 11/19/1997 |
| Generator EPA ID: | NYR000044842 |
| Trans1 EPA ID: | NYD980761191 |
| Trans2 EPA ID: | NYD980761191 |
| TSDF ID 1: | NJD002200046 |
| TSDF ID 2: | Not reported |
| Manifest Tracking Number: | Not reported |
| Import Indicator: | Not reported |
| Export Indicator: | Not reported |
| Discr Quantity Indicator: | Not reported |
| Discr Type Indicator: | Not reported |
| Discr Residue Indicator: | Not reported |
| Discr Partial Reject Indicator: | Not reported |
| Discr Full Reject Indicator: | Not reported |
| Manifest Ref Number: | Not reported |
| Alt Facility RCRA ID: | Not reported |
| Alt Facility Sign Date: | Not reported |
| MGMT Method Type Code: | Not reported |
| Waste Code: | D008 - LEAD 5.0 MG/L TCLP |
| Waste Code: | Not reported |
| Waste Code: | Not reported |
| Waste Code: | Not reported |
| Waste Code: | Not reported |
| Waste Code: | Not reported |
| Quantity: | 00100 |
| Units: | P - Pounds |
| Number of Containers: | 001 |
| Container Type: | DM - Metal drums, barrels |
| Handling Method: | T Chemical, physical, or biological treatment. |
| Specific Gravity: | 100 |

---

**H33** **RPC MAIN STREET CORP.** **NY Spills** **S122480953**
**West** **89 MAIN ST** **N/A**
**< 1/8** **POUGHKEEPSIE, NY**
**0.101 mi.**
**535 ft.** **Site 2 of 2 in cluster H**

**Relative:** **Lower**

**Actual:** **92 ft.**

SPILLS:

| | |
|---|---|
| Name: | RPC MAIN STREET CORP. |
| Address: | 89 MAIN ST |
| City,State,Zip: | POUGHKEEPSIE, NY |
| Spill Number/Closed Date: | 1804131 / 2018-12-13 |
| Facility ID: | 1804131 |
| Facility Type: | ER |

**RPC MAIN STREET CORP. (Continued)** **S122480953**

| | |
|---|---|
| DER Facility ID: | 526815 |
| Site ID: | 573794 |
| DEC Region: | 3 |
| Spill Cause: | Equipment Failure |
| Spill Class: | C4 |
| SWIS: | 1413 |
| Spill Date: | 2018-07-17 |
| Investigator: | MXLENNA |
| Referred To: | Not reported |
| Reported to Dept: | 2018-07-17 |
| CID: | Not reported |
| Water Affected: | Not reported |
| Spill Source: | Commercial/Industrial |
| Spill Notifier: | Other |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 2018-07-17 |
| Spill Record Last Update: | 2019-01-17 |
| Spiller Name: | RALPH CAUTELA |
| Spiller Company: | RPC MAIN STREET CORP. |
| Spiller Address: | 89 MAIN ST |
| Spiller Company: | 001 |
| Contact Name: | RALPH CAUTELA |
| DEC Memo: | "7/17/18 Received the following email from caller. She will update DEC on the soil sample... 550 gal - UST to be removed from below asphalt. Tank was out of service for about 20 years. No cap on fill pipe. Tank had oil and water in it. Crew is bringing a sample back to office this afternoon. Will wait to hear from homeowner about sending it out. ...mm 12-13-18 Tank closure report submitted. soil samples for VOCs and SVOCs are mostly ND. Detections are below CP51. No groundwater encountered and home on municipal water and sewer. NFA. ML" |
| Remarks: | "tank removal soil affected clean up pending insurance" |

All Materials:

| | |
|---|---|
| Site ID: | 573794 |
| Operable Unit ID: | 1321602 |
| Operable Unit: | 01 |
| Material ID: | 2329740 |
| Material Code: | 0001A |
| Material Name: | #2 fuel oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | Not reported |
| Units: | Not reported |
| Recovered: | Not reported |
| Oxygenate: | Not reported |

**F34** **LANG APARTMENT BUILDING** **NY LTANKS** **S107523260**
**SSE** **187-189 UNION STREET** **N/A**
**< 1/8** **POUGHKEEPSIE, NY**
**0.107 mi.**
**563 ft.** **Site 8 of 9 in cluster F**

**Relative:**
**Higher**

**Actual:**
**142 ft.**

LTANKS:

| | |
|---|---|
| Name: | APARTMENT BUILDING |
| Address: | 187-189 UNION STREET |
| City,State,Zip: | POUGHKEEPSIE, NY |
| Spill Number/Closed Date: | 0511265 / 2006-04-25 |
| Facility ID: | 0511265 |
| Site ID: | 357383 |
| Spill Date: | 2005-12-28 |
| Spill Cause: | Tank Test Failure |
| Spill Source: | Private Dwelling |
| Spill Class: | C3 |
| Cleanup Ceased: | Not reported |
| SWIS: | 1413 |
| Investigator: | VPMCCABE |
| Referred To: | Not reported |
| Reported to Dept: | 2005-12-28 |
| CID: | 408 |
| Water Affected: | Not reported |
| Spill Notifier: | Tank Tester |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| Meets Standard: | False |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 2005-12-28 |
| Spill Record Last Update: | 2006-05-31 |
| Spiller Name: | ROBERT LONG |
| Spiller Company: | APARTMENT BUILDING |
| Spiller Address: | 187-189 UNION STREET |
| Spiller County: | 001 |
| Spiller Contact: | ROBERT LONG |
| Spiller Phone: | (845) 876-6900 |
| Spiller Extention: | Not reported |
| DEC Region: | 3 |
| DER Facility ID: | 307411 |
| DEC Memo: | "also called in as sp# 0512690 Based on the information contained in the 4/25/06 Closure Report prepared by Fuss & O'Neil, no further action will be required. ALl contaminants were below TAGM in the post ex samples with the exception of total xylenes which only slightly exceeded the clean up objective." |
| Remarks: | "NOTIFY CLIENTS THAT THEY NEED TO DO SOMETHING WITH IT, THEY HEARD SOME BUBBLING, SO THE LINE MIGHT NEED REPLACEMENT" |

All Materials:

| | |
|---|---|
| Site ID: | 357383 |
| Operable Unit ID: | 1114657 |
| Operable Unit: | 01 |
| Material ID: | 2104725 |
| Material Code: | 0001A |
| Material Name: | #2 fuel oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | Not reported |
| Units: | G |

**LANG APARTMENT BUILDING (Continued)** **S107523260**

| | |
|---|---|
| Recovered: | .00 |
| Oxygenate: | Not reported |

| | |
|---|---|
| Name: | LANG APARTMENT BUILDING |
| Address: | 187-189 UNION STREET |
| City,State,Zip: | POUGHKEEPSIE, NY |
| Spill Number/Closed Date: | 0512690 / 2006-02-02 |
| Facility ID: | 0512690 |
| Site ID: | 359086 |
| Spill Date: | 2006-02-02 |
| Spill Cause: | Tank Test Failure |
| Spill Source: | Private Dwelling |
| Spill Class: | C3 |
| Cleanup Ceased: | Not reported |
| SWIS: | 1413 |
| Investigator: | VPMCCABE |
| Referred To: | Not reported |
| Reported to Dept: | 2006-02-02 |
| CID: | 408 |
| Water Affected: | Not reported |
| Spill Notifier: | Tank Tester |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| Meets Standard: | False |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 2006-02-03 |
| Spill Record Last Update: | 2014-03-25 |
| Spiller Name: | ROBERT LANG |
| Spiller Company: | APARTMENT BUILDING |
| Spiller Address: | 187 - 189 UNION ST |
| Spiller County: | 001 |
| Spiller Contact: | ROBERT LANG |
| Spiller Phone: | (917) 880-5725 |
| Spiller Extention: | Not reported |
| DEC Region: | 3 |
| DER Facility ID: | 307411 |
| DEC Memo: | "" |
| Remarks: | "soil samples were taken, the owner of the building is planning on abandoning the tank, there is a new tank installed inside." |

All Materials:

| | |
|---|---|
| Site ID: | 359086 |
| Operable Unit ID: | 1116310 |
| Operable Unit: | 01 |
| Material ID: | 2106454 |
| Material Code: | 0001A |
| Material Name: | #2 fuel oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | Not reported |
| Units: | G |
| Recovered: | .00 |
| Oxygenate: | Not reported |

**F35** **AIR** **NY Spills** **S124517624**
**SE** **193 UNION ST** **N/A**
**< 1/8** **POUGHKEEPSIE, NY**
**0.111 mi.**
**586 ft.** **Site 9 of 9 in cluster F**

**Relative:**
**Higher**

**Actual:**
**147 ft.**

SPILLS:

| | |
|---|---|
| Name: | AIR |
| Address: | 193 UNION ST |
| City,State,Zip: | POUGHKEEPSIE, NY |
| Spill Number/Closed Date: | 1902314 / 2019-06-05 |
| Facility ID: | 1902314 |
| Facility Type: | ER |
| DER Facility ID: | 540451 |
| Site ID: | 590228 |
| DEC Region: | 3 |
| Spill Cause: | Unknown |
| Spill Class: | E5 |
| SWIS: | 1413 |
| Spill Date: | 2019-06-05 |
| Investigator: | GAAHLERS |
| Referred To: | Not reported |
| Reported to Dept: | 2019-06-05 |
| CID: | Not reported |
| Water Affected: | Not reported |
| Spill Source: | Unknown |
| Spill Notifier: | Affected Persons |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 2019-06-05 |
| Spill Record Last Update: | 2019-06-05 |
| Spiller Name: | DAVINA THOMASULA |
| Spiller Company: | UNKNOWN |
| Spiller Address: | 193 UNION ST |
| Spiller Company: | 999 |
| Contact Name: | DAVINA THOMASULA |
| DEC Memo: | "6/5/19 Caller reports burning, musty, ammonia-like smell that wakes them up in the middle of the night. Does not smell like gas or oil. Caller lives in row housing - said smell seems almost to be coming from inside buildings - air through the window seemed clearer, but wasn't sure. Closing at the desk as Not a Petroleum Spill. Referring to Air. ga " |
| Remarks: | "burning chemical smell in air only at night" |

All Materials:

| | |
|---|---|
| Site ID: | 590228 |
| Operable Unit ID: | 1337874 |
| Operable Unit: | 01 |
| Material ID: | 2347305 |
| Material Code: | 0064A |
| Material Name: | unknown material |
| Case No.: | Not reported |
| Material FA: | Other |
| Quantity: | Not reported |
| Units: | Not reported |
| Recovered: | Not reported |

**AIR (Continued)** **S124517624**

Oxygenate: Not reported

---

**36**
**SE**
**< 1/8**
**0.116 mi.**
**613 ft.**

**WILLOW COURT APARTMENTS**
**208-212 MAIN STREET**
**POUGHKEEPSIE, NY 12601**

**NY UST** **U003800478**
**NY Spills** **N/A**

**Relative: Higher**

**Actual: 153 ft.**

UST:

| | |
|---|---|
| Name: | WILLOW COURT APARTMENTS |
| Address: | 208-212 MAIN STREET |
| City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| Id/Status: | 3-601488 / Unregulated/Closed |
| Program Type: | PBS |
| Region: | STATE |
| DEC Region: | 3 |
| Expiration Date: | N/A |
| UTM X: | 588952.48160 |
| UTM Y: | 4617537.98639 |
| Site Type: | Apartment Building/Office Building |

Affiliation Records:

| | |
|---|---|
| Site Id: | 34596 |
| Affiliation Type: | Facility Owner |
| Company Name: | WILLOW COURT APARTMENTS, INC. |
| Contact Type: | PRESIDENT |
| Contact Name: | RONALD J. PICCONE |
| Address1: | 8 ELIZA STREET |
| Address2: | Not reported |
| City: | BEACON |
| State: | NY |
| Zip Code: | 12508 |
| Country Code: | 001 |
| Phone: | (845) 838-1700 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | BHYUKOWE |
| Date Last Modified: | 2010-04-25 |

| | |
|---|---|
| Site Id: | 34596 |
| Affiliation Type: | Mail Contact |
| Company Name: | WILLOW COURT APARTMENTS, INC. |
| Contact Type: | Not reported |
| Contact Name: | JAMES PICCONE |
| Address1: | 8 ELIZA STREET |
| Address2: | PO BOX 391 |
| City: | BEACON |
| State: | NY |
| Zip Code: | 12508 |
| Country Code: | 001 |
| Phone: | (845) 838-1700 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | BHYUKOWE |
| Date Last Modified: | 2010-04-25 |

| | |
|---|---|
| Site Id: | 34596 |

**WILLOW COURT APARTMENTS (Continued)** **U003800478**

| | |
|---|---|
| Affiliation Type: | Facility Operator |
| Company Name: | WILLOW COURT APARTMENTS |
| Contact Type: | Not reported |
| Contact Name: | NONE |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | 00000000000000 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | BHYUKOWE |
| Date Last Modified: | 2010-04-25 |

| | |
|---|---|
| Site Id: | 34596 |
| Affiliation Type: | Emergency Contact |
| Company Name: | WILLOW COURT APARTMENTS, INC. |
| Contact Type: | Not reported |
| Contact Name: | JAMES PICCONE |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 999 |
| Phone: | (914) 474-5264 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | BHYUKOWE |
| Date Last Modified: | 2010-04-25 |

Tank Info:

| | |
|---|---|
| Tank Number: | 1 |
| Tank ID: | 82632 |
| Tank Status: | Closed - In Place |
| Material Name: | Closed - In Place |
| Capacity Gallons: | 2000 |
| Install Date: | Not reported |
| Date Tank Closed: | 08/06/2009 |
| Registered: | True |
| Tank Location: | Underground |
| Tank Type: | Steel/carbon steel |
| Material Code: | 0001 |
| Common Name of Substance: | #2 Fuel Oil (On-Site Consumption) |

| | |
|---|---|
| Tightness Test Method: | 20 |
| Date Test: | 03/22/2006 |
| Next Test Date: | Not reported |
| Pipe Model: | Not reported |
| Modified By: | BHYUKOWE |
| Last Modified: | 04/14/2017 |

Equipment Records:

B00 - Tank External Protection - None

**WILLOW COURT APARTMENTS (Continued)** **U003800478**

F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
I00 - Overfill - None
L09 - Piping Leak Detection - Exempt Suction Piping
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
C02 - Pipe Location - Underground/On-ground
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser

SPILLS:

| | |
|---|---|
| Name: | WILLOW COURT APTS: 2K |
| Address: | 208-212 MAIN STREET |
| City,State,Zip: | POUGHKEEPSIE, NY |
| Spill Number/Closed Date: | 0904603 / 2009-08-04 |
| Facility ID: | 0904603 |
| Facility Type: | ER |
| DER Facility ID: | 365845 |
| Site ID: | 416778 |
| DEC Region: | 3 |
| Spill Cause: | Equipment Failure |
| Spill Class: | C4 |
| SWIS: | 1413 |
| Spill Date: | 2009-07-21 |
| Investigator: | mbmastro |
| Referred To: | Not reported |
| Reported to Dept: | 2009-07-21 |
| CID: | Not reported |
| Water Affected: | Not reported |
| Spill Source: | Commercial/Industrial |
| Spill Notifier: | Local Agency |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 2009-07-21 |
| Spill Record Last Update: | 2009-08-25 |
| Spiller Name: | JAMMIE |
| Spiller Company: | WILLOW COURT APTS |
| Spiller Address: | Not reported |
| Spiller Company: | 999 |
| Contact Name: | CALLER |
| DEC Memo: | "7-21-09: V.Mc.^ Stacy/CSC: While aband.in place a 2K UST, boring through tank came back w/hits. 8-25-09: V.Mc.: See 1 page update, inc.site inspect.of 7-30-09, noting petro odor while standing next to UST. See 8-4-09 letter: Tank Aband.Request, NFA." |
| Remarks: | "Clean up pending Case Manager decision." |

All Materials:

| | |
|---|---|
| Site ID: | 416778 |
| Operable Unit ID: | 1173066 |
| Operable Unit: | 01 |
| Material ID: | 2164953 |
| Material Code: | 0001A |
| Material Name: | #2 fuel oil |

**WILLOW COURT APARTMENTS (Continued)** **U003800478**

Case No.: Not reported
Material FA: Petroleum
Quantity: Not reported
Units: G
Recovered: Not reported
Oxygenate: Not reported

---

**I37** **ST JOSEPHS CHURCH** **NY UST** **U004080143**
**East** **9 LAFAYETTE PL** **N/A**
**1/8-1/4** **POUGHKEEPSIE, NY 12601**
**0.135 mi.**
**715 ft.** **Site 1 of 3 in cluster I**

**Relative:**
**Higher**

**Actual:**
**170 ft.**

UST:
Name: ST JOSEPHS CHURCH
Address: 9 LAFAYETTE PL
City,State,Zip: POUGHKEEPSIE, NY 12601
Id/Status: 3-164410 / Unregulated/Closed
Program Type: PBS
Region: STATE
DEC Region: 3
Expiration Date: N/A
UTM X: 588998.58278
UTM Y: 4617650.12099
Site Type: Private Residence

Affiliation Records:
Site Id: 32246
Affiliation Type: Facility Owner
Company Name: ST JOSEPHS CHURCH
Contact Type: Not reported
Contact Name: Not reported
Address1: 9 LAFAYETTE PL
Address2: Not reported
City: POUGHKEEPSIE
State: NY
Zip Code: 12601
Country Code: 001
Phone: (914) 452-2333
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 2004-03-04

Site Id: 32246
Affiliation Type: Mail Contact
Company Name: ST JOSEPHS CHURCH
Contact Type: Not reported
Contact Name: REV. JAN JACMIERSKI
Address1: 9 LAFAYETTE PL
Address2: Not reported
City: POUGHKEEPSIE
State: NY
Zip Code: 12601
Country Code: 001
Phone: (914) 452-2333
EMail: Not reported

**ST JOSEPHS CHURCH (Continued)** **U004080143**

| | |
|---|---|
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 2004-03-04 |

| | |
|---|---|
| Site Id: | 32246 |
| Affiliation Type: | Facility Operator |
| Company Name: | ST JOSEPHS CHURCH |
| Contact Type: | Not reported |
| Contact Name: | ST JOSEPHS CHURCH |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (212) 289-6030 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 2004-03-04 |

| | |
|---|---|
| Site Id: | 32246 |
| Affiliation Type: | Emergency Contact |
| Company Name: | ST JOSEPHS CHURCH |
| Contact Type: | Not reported |
| Contact Name: | REV JAN JACMIERSKI |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (914) 452-2333 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 2004-03-04 |

Tank Info:

| | |
|---|---|
| Tank Number: | 1 |
| Tank ID: | 70515 |
| Tank Status: | Closed - Removed |
| Material Name: | Closed - Removed |
| Capacity Gallons: | 825 |
| Install Date: | Not reported |
| Date Tank Closed: | 01/01/1990 |
| Registered: | True |
| Tank Location: | Underground |
| Tank Type: | Steel/carbon steel |
| Material Code: | 0001 |
| Common Name of Substance: | #2 Fuel Oil (On-Site Consumption) |

| | |
|---|---|
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Pipe Model: | Not reported |

**ST JOSEPHS CHURCH (Continued)** **U004080143**

Modified By: TRANSLAT
Last Modified: 04/14/2017

Equipment Records:

H00 - Tank Leak Detection - None
I00 - Overfill - None
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
D00 - Pipe Type - No Piping
A00 - Tank Internal Protection - None
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser

Tank Number: 3
Tank ID: 70517
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 1500
Install Date: Not reported
Date Tank Closed: 10/25/2002
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Tightness Test Method: 03
Date Test: 06/01/1996
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 04/14/2017

Equipment Records:

B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
H00 - Tank Leak Detection - None
I00 - Overfill - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser

---

**I38** **ST JOSEPHS CHURCH** **NY AST** **U003075261**
**East** **9 LAFAYETTE PL** **N/A**
**1/8-1/4** **POUGHKEEPSIE, NY 12601**
**0.135 mi.**
**715 ft.** **Site 2 of 3 in cluster I**

**Relative:**
**Higher**

**Actual:**
**170 ft.**

AST:
Name: ST JOSEPHS CHURCH
Address: 9 LAFAYETTE PL
City,State,Zip: POUGHKEEPSIE, NY 12601
Region: STATE
DEC Region: 3
Site Status: Unregulated/Closed

**ST JOSEPHS CHURCH (Continued)** **U003075261**

Facility Id: 3-164410
Program Type: PBS
UTM X: 588998.58278
UTM Y: 4617650.12099
Expiration Date: N/A
Site Type: Private Residence

Affiliation Records:

Site Id: 32246
Affiliation Type: Facility Owner
Company Name: ST JOSEPHS CHURCH
Contact Type: Not reported
Contact Name: Not reported
Address1: 9 LAFAYETTE PL
Address2: Not reported
City: POUGHKEEPSIE
State: NY
Zip Code: 12601
Country Code: 001
Phone: (914) 452-2333
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 2004-03-04

Site Id: 32246
Affiliation Type: Mail Contact
Company Name: ST JOSEPHS CHURCH
Contact Type: Not reported
Contact Name: REV. JAN JACMIERSKI
Address1: 9 LAFAYETTE PL
Address2: Not reported
City: POUGHKEEPSIE
State: NY
Zip Code: 12601
Country Code: 001
Phone: (914) 452-2333
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 2004-03-04

Site Id: 32246
Affiliation Type: Facility Operator
Company Name: ST JOSEPHS CHURCH
Contact Type: Not reported
Contact Name: ST JOSEPHS CHURCH
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (212) 289-6030
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 2004-03-04

**ST JOSEPHS CHURCH (Continued)** **U003075261**

| | |
|---|---|
| Site Id: | 32246 |
| Affiliation Type: | Emergency Contact |
| Company Name: | ST JOSEPHS CHURCH |
| Contact Type: | Not reported |
| Contact Name: | REV JAN JACMIERSKI |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (914) 452-2333 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 2004-03-04 |

Tank Info:

| | |
|---|---|
| Tank Number: | 2 |
| Tank Id: | 70516 |
| Material Code: | 0001 |
| Common Name of Substance: | #2 Fuel Oil (On-Site Consumption) |

Equipment Records:

| | |
|---|---|
| | H00 - Tank Leak Detection - None |
| | I00 - Overfill - None |
| | L09 - Piping Leak Detection - Exempt Suction Piping |
| | A00 - Tank Internal Protection - None |
| | B00 - Tank External Protection - None |
| | C00 - Pipe Location - No Piping |
| | F00 - Pipe External Protection - None |
| | D00 - Pipe Type - No Piping |
| | G00 - Tank Secondary Containment - None |
| | J02 - Dispenser - Suction Dispenser |
| Tank Location: | Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated above grade or tank pad, allowing visual inspection. |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | In Service |
| Pipe Model: | Not reported |
| Install Date: | 06/01/1992 |
| Capacity Gallons: | 550 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | Not reported |
| Register: | True |
| Modified By: | TRANSLAT |
| Last Modified: | 04/14/2017 |
| Material Name: | #2 fuel oil (on-site consumption) |

**I39** **POUGHKEEPSIE CITY HALL PARKING GARAGE** **RCRA NonGen / NLR** **1000912377**
**East** **MILL ST CIVIC CENTER PLZ** **NY MANIFEST** **NY0000632075**
**1/8-1/4** **POUGHKEEPSIE, NY 12601**
**0.148 mi.**
**781 ft.** **Site 3 of 3 in cluster I**

**Relative:**
**Higher**

**Actual:**
**165 ft.**

RCRA NonGen / NLR:

| | |
|---|---|
| Date Form Received by Agency: | 2007-01-01 00:00:00.0 |
| Handler Name: | POUGHKEEPSIE CITY HALL PARKING GARAGE |
| Handler Address: | MILL ST CIVIC CENTER PLZ |
| Handler City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| EPA ID: | NY0000632075 |
| Contact Name: | Not reported |
| Contact Address: | HOWARD ST EXTENSION |
| Contact City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| Contact Telephone: | Not reported |
| Contact Fax: | Not reported |
| Contact Email: | Not reported |
| Contact Title: | Not reported |
| EPA Region: | 02 |
| Land Type: | Municipal |
| Federal Waste Generator Description: | Not a generator, verified |
| Non-Notifier: | Not reported |
| Biennial Report Cycle: | Not reported |
| Accessibility: | Not reported |
| Active Site Indicator: | Not reported |
| State District Owner: | NY |
| State District: | NYSDEC R3 |
| Mailing Address: | HOWARD ST EXTENSION |
| Mailing City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| Owner Name: | POUGHKEEPSIE CITY HALL |
| Owner Type: | Municipal |
| Operator Name: | POUGHKEEPSIE CITY HALL |
| Operator Type: | Municipal |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site Fed-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site Converter Treatment storage and Disposal Facility: | Not reported |
| Active Site State-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | NN |
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |

**POUGHKEEPSIE CITY HALL PARKING GARAGE (Continued)** **1000912377**

| | |
|---|---|
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 2015-04-14 00:00:00.0 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | Not reported |
| Manifest Broker: | Not reported |
| Sub-Part P Indicator: | Not reported |

Hazardous Waste Summary:

| | |
|---|---|
| Waste Code: | D000 |
| Waste Description: | Not Defined |
| Waste Code: | D008 |
| Waste Description: | LEAD |

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | POUGHKEEPSIE CITY HALL |
| Legal Status: | Municipal |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | NOT REQUIRED |
| Owner/Operator City,State,Zip: | POUGHKEEPSI, NY 12601 |
| Owner/Operator Telephone: | 914-451-4111 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | POUGHKEEPSIE CITY HALL |
| Legal Status: | Municipal |
| Date Became Current: | Not reported |

**POUGHKEEPSIE CITY HALL PARKING GARAGE (Continued)** **1000912377**

| | |
|---|---|
| Date Ended Current: | Not reported |
| Owner/Operator Address: | NOT REQUIRED |
| Owner/Operator City,State,Zip: | POUGHKEEPSI, NY 12601 |
| Owner/Operator Telephone: | 914-451-4111 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| | |
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | POUGHKEEPSIE CITY HALL |
| Legal Status: | Municipal |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | NOT REQUIRED |
| Owner/Operator City,State,Zip: | POUGHKEEPSI, NY 12601 |
| Owner/Operator Telephone: | 914-451-4111 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

Historic Generators:

| | |
|---|---|
| Receive Date: | 1999-07-08 00:00:00.0 |
| Handler Name: | POUGHKEEPSIE CITY HALL PARKING GARAGE |
| Federal Waste Generator Description: | Not a generator, verified |
| State District Owner: | NY |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | No |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |
| | |
| Receive Date: | 2006-01-01 00:00:00.0 |
| Handler Name: | POUGHKEEPSIE CITY HALL PARKING GARAGE |
| Federal Waste Generator Description: | Not a generator, verified |
| State District Owner: | NY |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | No |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |
| | |
| Receive Date: | 2007-01-01 00:00:00.0 |
| Handler Name: | POUGHKEEPSIE CITY HALL PARKING GARAGE |
| Federal Waste Generator Description: | Not a generator, verified |
| State District Owner: | NY |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | Yes |

**POUGHKEEPSIE CITY HALL PARKING GARAGE (Continued)** **1000912377**

| | |
|---|---|
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |
| Receive Date: | 1994-08-28 00:00:00.0 |
| Handler Name: | POUGHKEEPSIE CITY HALL PARKING GARAGE |
| Federal Waste Generator Description: | Small Quantity Generator |
| State District Owner: | NY |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | No |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |

List of NAICS Codes and Descriptions:

No NAICS Codes Found:

Facility Has Received Notices of Violation:

No Violations Found:

Evaluation Action Summary:

No Evaluations Found:

NY MANIFEST:

| | |
|---|---|
| Name: | POUGHKEEPSIE CITY OF |
| Address: | MILL ST CIVIC CENTER PLZ |
| City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| Country: | USA |
| EPA ID: | NY0000632075 |
| Facility Status: | Not reported |
| Location Address 1: | MILL ST CIVIC CENTER PLZ |
| Code: | BP |
| Location Address 2: | Not reported |
| Total Tanks: | Not reported |
| Location City: | POUGHKEEPSIE |
| Location State: | NY |
| Location Zip: | 12601 |
| Location Zip 4: | Not reported |

NY MANIFEST:

| | |
|---|---|
| EPAID: | NY0000632075 |
| Mailing Name: | POUGHKEEPSIE CITY OF |
| Mailing Contact: | NELSON WALLACE |
| Mailing Address 1: | HOWARD ST EXTENSION |
| Mailing Address 2: | Not reported |
| Mailing City: | POUGHKEEPSIE |
| Mailing State: | NY |
| Mailing Zip: | 12601 |
| Mailing Zip 4: | Not reported |
| Mailing Country: | USA |
| Mailing Phone: | 9144514111 |

**POUGHKEEPSIE CITY HALL PARKING GARAGE (Continued)** **1000912377**

NY MANIFEST:

| | |
|---|---|
| Document ID: | MAA1038700 |
| Manifest Status: | C |
| seq: | Not reported |
| Year: | 1994 |
| Trans1 State ID: | RV8535NY |
| Trans2 State ID: | ME625973 |
| Generator Ship Date: | 11/07/1994 |
| Trans1 Recv Date: | 11/07/1994 |
| Trans2 Recv Date: | 11/08/1994 |
| TSD Site Recv Date: | 11/08/1994 |
| Part A Recv Date: | 11/21/1994 |
| Part B Recv Date: | 11/28/1994 |
| Generator EPA ID: | NY0000632075 |
| Trans1 EPA ID: | MAD039322250 |
| Trans2 EPA ID: | MAD039322250 |
| TSDF ID 1: | MAD053452637 |
| TSDF ID 2: | Not reported |
| Manifest Tracking Number: | Not reported |
| Import Indicator: | Not reported |
| Export Indicator: | Not reported |
| Discr Quantity Indicator: | Not reported |
| Discr Type Indicator: | Not reported |
| Discr Residue Indicator: | Not reported |
| Discr Partial Reject Indicator: | Not reported |
| Discr Full Reject Indicator: | Not reported |
| Manifest Ref Number: | Not reported |
| Alt Facility RCRA ID: | Not reported |
| Alt Facility Sign Date: | Not reported |
| MGMT Method Type Code: | Not reported |
| Waste Code: | D039 - TETRACHLOROETHYLENE 0.73 MG/L TCLP |
| Waste Code: | Not reported |
| Waste Code: | Not reported |
| Waste Code: | Not reported |
| Waste Code: | Not reported |
| Waste Code: | Not reported |
| Quantity: | 00475 |
| Units: | G - Gallons (liquids only)* (8.3 pounds) |
| Number of Containers: | 010 |
| Container Type: | DM - Metal drums, barrels |
| Handling Method: | L Landfill. |
| Specific Gravity: | 100 |

---

**40**
**WNW**
**1/8-1/4**
**0.165 mi.**
**870 ft.**

**NYSDOT BIN 1005329**
**RTE 9 OVER FALLKILL CRK**
**POUGHKEEPSIE, NY 12601**

**RCRA-VSQG** **1000693722**
**NY MANIFEST** **NYD986998409**
**NJ MANIFEST**

**Relative:**
**Lower**

**Actual:**
**77 ft.**

RCRA-VSQG:

| | |
|---|---|
| Date Form Received by Agency: | 2007-01-01 00:00:00.0 |
| Handler Name: | NYSDOT BIN 1005329 |
| Handler Address: | RTE 9 OVER FALLKILL CRK |
| Handler City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| EPA ID: | NYD986998409 |
| Contact Name: | RICHARD MANNS |

**NYSDOT BIN 1005329 (Continued)** **1000693722**

| | |
|---|---|
| Contact Address: | BURNETT BLVD |
| Contact City,State,Zip: | POUGHKEEPSIE, NY 12603 |
| Contact Telephone: | 914-431-5743 |
| Contact Fax: | Not reported |
| Contact Email: | Not reported |
| Contact Title: | Not reported |
| EPA Region: | 02 |
| Land Type: | State |
| Federal Waste Generator Description: | Conditionally Exempt Small Quantity Generator |
| Non-Notifier: | Not reported |
| Biennial Report Cycle: | Not reported |
| Accessibility: | Not reported |
| Active Site Indicator: | Handler Activities |
| State District Owner: | NY |
| State District: | NYSDEC R3 |
| Mailing Address: | BURNETT BLVD |
| Mailing City,State,Zip: | POUGHKEEPSIE, NY 12603 |
| Owner Name: | NYSDOT |
| Owner Type: | State |
| Operator Name: | NYSDOT |
| Operator Type: | State |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site Fed-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site Converter Treatment storage and Disposal Facility: | Not reported |
| Active Site State-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | NN |
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |

**NYSDOT BIN 1005329 (Continued)** **1000693722**

| | |
|---|---|
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 2015-04-14 00:00:00.0 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | Not reported |
| Manifest Broker: | Not reported |
| Sub-Part P Indicator: | Not reported |

Hazardous Waste Summary:

| | |
|---|---|
| Waste Code: | D000 |
| Waste Description: | Not Defined |
| Waste Code: | D008 |
| Waste Description: | LEAD |

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | NYSDOT |
| Legal Status: | State |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | NOT REQUIRED |
| Owner/Operator City,State,Zip: | NOT REQUIRED, NY 99999 |
| Owner/Operator Telephone: | 212-555-1212 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | NYSDOT |
| Legal Status: | State |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | NOT REQUIRED |
| Owner/Operator City,State,Zip: | NOT REQUIRED, NY 99999 |
| Owner/Operator Telephone: | 212-555-1212 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | NYSDOT |
| Legal Status: | State |

**NYSDOT BIN 1005329 (Continued)** **1000693722**

| | |
|---|---|
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | NOT REQUIRED |
| Owner/Operator City,State,Zip: | NOT REQUIRED, NY 99999 |
| Owner/Operator Telephone: | 212-555-1212 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

Historic Generators:

| | |
|---|---|
| Receive Date: | 2006-01-01 00:00:00.0 |
| Handler Name: | NYSDOT BIN 1005329 |
| Federal Waste Generator Description: | Conditionally Exempt Small Quantity Generator |
| State District Owner: | NY |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | No |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |

| | |
|---|---|
| Receive Date: | 2007-01-01 00:00:00.0 |
| Handler Name: | NYSDOT BIN 1005329 |
| Federal Waste Generator Description: | Conditionally Exempt Small Quantity Generator |
| State District Owner: | NY |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | Yes |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |

| | |
|---|---|
| Receive Date: | 1992-04-13 00:00:00.0 |
| Handler Name: | NYSDOT BIN 1005329 |
| Federal Waste Generator Description: | Not a generator, verified |
| State District Owner: | NY |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | No |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |

List of NAICS Codes and Descriptions:

No NAICS Codes Found:

Facility Has Received Notices of Violation:

No Violations Found:

**NYSDOT BIN 1005329 (Continued)** **1000693722**

Evaluation Action Summary:

No Evaluations Found:

NY MANIFEST:

| | |
|---|---|
| Name: | NYSDOT |
| Address: | RTE 9 OVER FALLKILL CRK |
| City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| Country: | USA |
| EPA ID: | NYD986998409 |
| Facility Status: | Not reported |
| Location Address 1: | D257723-BR 1 RT 113 & RT 9 |
| Code: | BP |
| Location Address 2: | Not reported |
| Total Tanks: | Not reported |
| Location City: | POUGHKEEPIE |
| Location State: | NY |
| Location Zip: | Not reported |
| Location Zip 4: | Not reported |

NY MANIFEST:

| | |
|---|---|
| EPAID: | NYD986998409 |
| Mailing Name: | NYSDOT |
| Mailing Contact: | PATRICK NOLAN |
| Mailing Address 1: | PO BOX 570 |
| Mailing Address 2: | Not reported |
| Mailing City: | LAKE KATRINE |
| Mailing State: | NY |
| Mailing Zip: | 12449 |
| Mailing Zip 4: | Not reported |
| Mailing Country: | USA |
| Mailing Phone: | 9143364462 |

NY MANIFEST:

| | |
|---|---|
| Document ID: | NJA5222999 |
| Manifest Status: | Not reported |
| seq: | Not reported |
| Year: | 2005 |
| Trans1 State ID: | NYD046765574 |
| Trans2 State ID: | Not reported |
| Generator Ship Date: | 01/25/2005 |
| Trans1 Recv Date: | 01/25/2005 |
| Trans2 Recv Date: | Not reported |
| TSD Site Recv Date: | 01/26/2005 |
| Part A Recv Date: | Not reported |
| Part B Recv Date: | Not reported |
| Generator EPA ID: | NYD986998409 |
| Trans1 EPA ID: | S8424 |
| Trans2 EPA ID: | Not reported |
| TSDF ID 1: | NJD991291105 |
| TSDF ID 2: | Not reported |
| Manifest Tracking Number: | Not reported |
| Import Indicator: | Not reported |
| Export Indicator: | Not reported |
| Discr Quantity Indicator: | Not reported |
| Discr Type Indicator: | Not reported |

**NYSDOT BIN 1005329 (Continued)** **1000693722**

| | |
|---|---|
| Discr Residue Indicator: | Not reported |
| Discr Partial Reject Indicator: | Not reported |
| Discr Full Reject Indicator: | Not reported |
| Manifest Ref Number: | Not reported |
| Alt Facility RCRA ID: | Not reported |
| Alt Facility Sign Date: | Not reported |
| MGMT Method Type Code: | Not reported |
| Waste Code: | D008 - LEAD 5.0 MG/L TCLP |
| Waste Code: | Not reported |
| Waste Code: | Not reported |
| Waste Code: | Not reported |
| Waste Code: | Not reported |
| Waste Code: | Not reported |
| Quantity: | 00150 |
| Units: | P - Pounds |
| Number of Containers: | 001 |
| Container Type: | DM - Metal drums, barrels |
| Handling Method: | T Chemical, physical, or biological treatment. |
| Specific Gravity: | 01.00 |

NJ MANIFEST:

| | |
|---|---|
| EPA Id: | NYD986998409 |
| Mail Address: | P.O. BOX 570 |
| Mail City/State/Zip: | LAKE KATRINE 12449 |
| Facility Phone: | 9143364462 |
| Emergency Phone: | Not reported |
| Contact: | PATRICK E. NOLEN |
| Comments: | Not reported |
| SIC Code: | Not reported |
| County: | 00 |
| Municipal: | 00 |
| Previous EPA Id: | Not reported |
| Gen Flag: | X |
| Trans Flag: | Not reported |
| TSDF Flag: | Not reported |
| Name Change: | Not reported |
| Date Change: | Not reported |

Manifest:

| | |
|---|---|
| Manifest Number: | NJA5222999 |
| EPA ID: | NYD986998409 |
| Date Shipped: | 01/25/2005 |
| TSDF EPA ID: | NJD991291105 |
| Transporter EPA ID: | NYD046765574 |
| Transporter 2 EPA ID: | Not reported |
| Transporter 3 EPA ID: | Not reported |
| Transporter 4 EPA ID: | Not reported |
| Transporter 5 EPA ID: | Not reported |
| Transporter 6 EPA ID: | Not reported |
| Transporter 7 EPA ID: | Not reported |
| Transporter 8 EPA ID: | Not reported |
| Transporter 9 EPA ID: | Not reported |
| Transporter 10 EPA ID: | Not reported |
| Date Trans1 Transported Waste: | 01/25/2005 |
| Date Trans2 Transported Waste: | Not reported |
| Date Trans3 Transported Waste: | Not reported |

**NYSDOT BIN 1005329 (Continued)** **1000693722**

| | |
|---|---|
| Date Trans4 Transported Waste: | Not reported |
| Date Trans5 Transported Waste: | Not reported |
| Date Trans6 Transported Waste: | Not reported |
| Date Trans7 Transported Waste: | Not reported |
| Date Trans8 Transported Waste: | Not reported |
| Date Trans9 Transported Waste: | Not reported |
| Date Trans10 Transported Waste: | Not reported |
| Date TSDF Received Waste: | 01/26/2005 |
| TSDF EPA Facility Name: | Not reported |
| QTY Units: | Not reported |
| Transporter SEQ ID: | Not reported |
| Transporter-1 Date: | Not reported |
| Waste SEQ ID: | Not reported |
| Waste Type Code 2: | Not reported |
| Waste Type Code 3: | Not reported |
| Waste Type Code 4: | Not reported |
| Waste Type Code 5: | Not reported |
| Waste Type Code 6: | Not reported |
| Date Accepted: | Not reported |
| Manifest Discrepancy Type: | Not reported |
| Data Entry Number: | 03140521 |
| Was Load Rejected: | LAKE KATRINE 12449 |
| Reason Load Was Rejected: | Not reported |

| | |
|---|---|
| Manifest Number: | NJA5047672 |
| EPA ID: | NYD986998409 |
| Date Shipped: | 01/14/2004 |
| TSDF EPA ID: | NJD991291105 |
| Transporter EPA ID: | NYD046765574 |
| Transporter 2 EPA ID: | Not reported |
| Transporter 3 EPA ID: | Not reported |
| Transporter 4 EPA ID: | Not reported |
| Transporter 5 EPA ID: | Not reported |
| Transporter 6 EPA ID: | Not reported |
| Transporter 7 EPA ID: | Not reported |
| Transporter 8 EPA ID: | Not reported |
| Transporter 9 EPA ID: | Not reported |
| Transporter 10 EPA ID: | Not reported |
| Date Trans1 Transported Waste: | 01/14/2004 |
| Date Trans2 Transported Waste: | Not reported |
| Date Trans3 Transported Waste: | Not reported |
| Date Trans4 Transported Waste: | Not reported |
| Date Trans5 Transported Waste: | Not reported |
| Date Trans6 Transported Waste: | Not reported |
| Date Trans7 Transported Waste: | Not reported |
| Date Trans8 Transported Waste: | Not reported |
| Date Trans9 Transported Waste: | Not reported |
| Date Trans10 Transported Waste: | Not reported |
| Date TSDF Received Waste: | 01/14/2004 |
| TSDF EPA Facility Name: | Not reported |
| QTY Units: | Not reported |
| Transporter SEQ ID: | Not reported |
| Transporter-1 Date: | Not reported |
| Waste SEQ ID: | Not reported |
| Waste Type Code 2: | Not reported |
| Waste Type Code 3: | Not reported |
| Waste Type Code 4: | Not reported |

**NYSDOT BIN 1005329 (Continued)** **1000693722**

| | |
|---|---|
| Waste Type Code 5: | Not reported |
| Waste Type Code 6: | Not reported |
| Date Accepted: | Not reported |
| Manifest Discrepancy Type: | Not reported |
| Data Entry Number: | 03090421 |
| Was Load Rejected: | LAKE KATRINE 12449 |
| Reason Load Was Rejected: | Not reported |

---

**41** **MID-HUDSON WORKSHOP FOR THE DISABLED** **RCRA NonGen / NLR** **1000138933**
**SE** **12 WASHINTON ST** **FINDS** **NYD001560440**
**1/8-1/4** **POUGHKEEPSIE, NY 12601** **ECHO**
**0.168 mi.** **NY MANIFEST**
**889 ft.**

**Relative:**
**Higher**

**Actual:**
**175 ft.**

RCRA NonGen / NLR:

| | |
|---|---|
| Date Form Received by Agency: | 2007-01-01 00:00:00.0 |
| Handler Name: | MID-HUDSON WORKSHOP FOR THE DISABLED |
| Handler Address: | 12 WASHINTON ST |
| Handler City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| EPA ID: | NYD001560440 |
| Contact Name: | ALFRED HANSON |
| Contact Address: | WASHINGTON ST |
| Contact City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| Contact Telephone: | 914-471-3820 |
| Contact Fax: | Not reported |
| Contact Email: | Not reported |
| Contact Title: | Not reported |
| EPA Region: | 02 |
| Land Type: | Not reported |
| Federal Waste Generator Description: | Not a generator, verified |
| Non-Notifier: | Not reported |
| Biennial Report Cycle: | Not reported |
| Accessibility: | Not reported |
| Active Site Indicator: | Not reported |
| State District Owner: | NY |
| State District: | NYSDEC R3 |
| Mailing Address: | WASHINGTON ST |
| Mailing City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| Owner Name: | OWNERNAME |
| Owner Type: | Private |
| Operator Name: | OWNERNAME |
| Operator Type: | Private |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site Fed-Reg Treatment Storage and Disposal Facility: | Not reported |

**MID-HUDSON WORKSHOP FOR THE DISABLED (Continued)** **1000138933**

| | |
|---|---|
| Active Site Converter Treatment storage and Disposal Facility: | Not reported |
| Active Site State-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | NN |
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 2015-04-14 00:00:00.0 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | Not reported |
| Manifest Broker: | Not reported |
| Sub-Part P Indicator: | Not reported |

Hazardous Waste Summary:

| | |
|---|---|
| Waste Code: | D001 |
| Waste Description: | IGNITABLE WASTE |

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | OWNERNAME |
| Legal Status: | Private |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | NOT REQUIRED |
| Owner/Operator City,State,Zip: | NOT REQUIRED, WY 99999 |
| Owner/Operator Telephone: | 212-555-1212 |

**MID-HUDSON WORKSHOP FOR THE DISABLED (Continued)** **1000138933**

| | |
|---|---|
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| | |
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | OWNERNAME |
| Legal Status: | Private |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | NOT REQUIRED |
| Owner/Operator City,State,Zip: | NOT REQUIRED, WY 99999 |
| Owner/Operator Telephone: | 212-555-1212 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| | |
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | OWNERNAME |
| Legal Status: | Private |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | NOT REQUIRED |
| Owner/Operator City,State,Zip: | NOT REQUIRED, WY 99999 |
| Owner/Operator Telephone: | 212-555-1212 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

Historic Generators:

| | |
|---|---|
| Receive Date: | 2006-01-01 00:00:00.0 |
| Handler Name: | MID-HUDSON WORKSHOP FOR THE DISABLED |
| Federal Waste Generator Description: | Not a generator, verified |
| State District Owner: | NY |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | No |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |
| | |
| Receive Date: | 2007-01-01 00:00:00.0 |
| Handler Name: | MID-HUDSON WORKSHOP FOR THE DISABLED |
| Federal Waste Generator Description: | Not a generator, verified |
| State District Owner: | NY |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | Yes |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |
| | |
| Receive Date: | 1983-06-09 00:00:00.0 |
| Handler Name: | MID-HUDSON WORKSHOP FOR THE DISABLED |

**MID-HUDSON WORKSHOP FOR THE DISABLED (Continued)** **1000138933**

| | |
|---|---|
| Federal Waste Generator Description: | Not reported |
| State District Owner: | NY |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | No |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |

List of NAICS Codes and Descriptions:

No NAICS Codes Found:

Facility Has Received Notices of Violation:

No Violations Found:

Evaluation Action Summary:

No Evaluations Found:

FINDS:
Registry ID: 110004335489

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

| | |
|---|---|
| Envid: | 1000138933 |
| Registry ID: | 110004335489 |
| DFR URL: | http://echo.epa.gov/detailed-facility-report?fid=110004335489 |
| Name: | MID-HUDSON WORKSHOP FOR THE DISABLED |
| Address: | 12 WASHINTON ST |
| City,State,Zip: | POUGHKEEPSIE, NY 12601 |

NY MANIFEST:

| | |
|---|---|
| Name: | MID HUDSON DISABLED WORKSHOP |
| Address: | 12 WASHINTON ST |
| City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| Country: | USA |
| EPA ID: | NYD001560440 |
| Facility Status: | Not reported |
| Location Address 1: | 212 WASHINGTON STREET |
| Code: | BP |

**MID-HUDSON WORKSHOP FOR THE DISABLED (Continued)** **1000138933**

| | |
|---|---|
| Location Address 2: | Not reported |
| Total Tanks: | Not reported |
| Location City: | POUGHKEEPSIE |
| Location State: | NY |
| Location Zip: | 12601 |
| Location Zip 4: | Not reported |

NY MANIFEST:

| | |
|---|---|
| EPAID: | NYD001560440 |
| Mailing Name: | MID HUDSON DISABLED WORKSHOP |
| Mailing Contact: | DONALD RAJCZI |
| Mailing Address 1: | 212 WASHINGTON STREET |
| Mailing Address 2: | Not reported |
| Mailing City: | POUGHKEEPSIE |
| Mailing State: | NY |
| Mailing Zip: | 12601 |
| Mailing Zip 4: | Not reported |
| Mailing Country: | USA |
| Mailing Phone: | 9144713820 |

NY MANIFEST:

| | |
|---|---|
| Document ID: | CTF0436672 |
| Manifest Status: | C |
| seq: | Not reported |
| Year: | 1996 |
| Trans1 State ID: | ILP188420 |
| Trans2 State ID: | Not reported |
| Generator Ship Date: | 01/31/1996 |
| Trans1 Recv Date: | 01/31/1996 |
| Trans2 Recv Date: | / / |
| TSD Site Recv Date: | 02/01/1996 |
| Part A Recv Date: | 02/08/1996 |
| Part B Recv Date: | 02/13/1996 |
| Generator EPA ID: | NYD001560440 |
| Trans1 EPA ID: | ILD984908202 |
| Trans2 EPA ID: | Not reported |
| TSDF ID 1: | CTD001156009 |
| TSDF ID 2: | Not reported |
| Manifest Tracking Number: | Not reported |
| Import Indicator: | Not reported |
| Export Indicator: | Not reported |
| Discr Quantity Indicator: | Not reported |
| Discr Type Indicator: | Not reported |
| Discr Residue Indicator: | Not reported |
| Discr Partial Reject Indicator: | Not reported |
| Discr Full Reject Indicator: | Not reported |
| Manifest Ref Number: | Not reported |
| Alt Facility RCRA ID: | Not reported |
| Alt Facility Sign Date: | Not reported |
| MGMT Method Type Code: | Not reported |
| Waste Code: | F003 - UNKNOWN |
| Waste Code: | Not reported |
| Waste Code: | Not reported |
| Waste Code: | Not reported |
| Waste Code: | Not reported |
| Waste Code: | Not reported |
| Quantity: | 00376 |

**MID-HUDSON WORKSHOP FOR THE DISABLED (Continued)** **1000138933**

| | |
|---|---|
| Units: | P - Pounds |
| Number of Containers: | 001 |
| Container Type: | DM - Metal drums, barrels |
| Handling Method: | B Incineration, heat recovery, burning. |
| Specific Gravity: | 100 |

---

**J42** **SOUTHERN WATERFRONT INDUSTRIAL AREA STRATEGIC CLUS** **US BROWNFIELDS** **1016351013**
**ENE** **PROPSECT STREET** **FINDS** **N/A**
**1/8-1/4** **POUGHKEEPSIE, NY 12601**
**0.183 mi.**
**966 ft.** **Site 1 of 2 in cluster J**

**Relative:**
**Higher**

**Actual:**
**166 ft.**

US BROWNFIELDS:

| | |
|---|---|
| Name: | SOUTHERN WATERFRONT INDUSTRIAL AREA STRATEGIC CLUS |
| Address: | PROPSECT STREET |
| City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| Recipient Name: | Ulster County |
| Grant Type: | Assessment |
| Property Number: | - |
| Parcel size: | 20.2 |
| Latitude: | 41.70671 |
| Longitude: | -73.929379 |
| HCM Label: | - |
| Map Scale: | - |
| Point of Reference: | - |
| Highlights: | - |
| Datum: | - |
| Acres Property ID: | 11877 |
| IC Data Access: | - |
| Start Date: | - |
| Redev Completition Date: | - |
| Completed Date: | - |
| Acres Cleaned Up: | - |
| Cleanup Funding: | - |
| Cleanup Funding Source: | - |
| Assessment Funding: | - |
| Assessment Funding Source: | - |
| Redevelopment Funding: | - |
| Redev. Funding Source: | - |
| Redev. Funding Entity Name: | - |
| Redevelopment Start Date: | - |
| Assessment Funding Entity: | - |
| Cleanup Funding Entity: | - |
| Grant Type: | - |
| Accomplishment Type: | Phase I Environmental Assessment |
| Accomplishment Count: | N |
| Cooperative Agreement Number: | 99297001 |
| Start Date: | 3/31/2003 |
| Ownership Entity: | - |
| Completion Date: | 3/31/2003 |
| Current Owner: | - |
| Did Owner Change: | - |
| Cleanup Required: | - |
| Video Available: | - |
| Photo Available: | - |
| Institutional Controls Required: | - |
| IC Category Proprietary Controls: | - |

**SOUTHERN WATERFRONT INDUSTRIAL AREA STRATEGIC CLUS (Continued)** **1016351013**

| | |
|---|---|
| IC Cat. Info. Devices: | - |
| IC Cat. Gov. Controls: | - |
| IC Cat. Enforcement Permit Tools: | - |
| IC in place date: | - |
| IC in place: | U |
| State/tribal program date: | - |
| State/tribal program ID: | - |
| State/tribal NFA date: | - |
| Air cleaned: | - |
| Asbestos found: | - |
| Asbestos cleaned: | - |
| Controled substance found: | - |
| Controled substance cleaned: | - |
| Drinking water affected: | - |
| Drinking water cleaned: | - |
| Groundwater affected: | - |
| Groundwater cleaned: | - |
| Lead contaminant found: | - |
| Lead cleaned up: | - |
| No media affected: | - |
| Unknown media affected: | - |
| Other cleaned up: | - |
| Other metals found: | - |
| Other metals cleaned: | - |
| Other contaminants found: | - |
| Other contams found description: | - |
| PAHs found: | - |
| PAHs cleaned up: | - |
| PCBs found: | - |
| PCBs cleaned up: | - |
| Petro products found: | - |
| Petro products cleaned: | - |
| Sediments found: | - |
| Sediments cleaned: | - |
| Soil affected: | - |
| Soil cleaned up: | - |
| Surface water cleaned: | - |
| VOCs found: | - |
| VOCs cleaned: | - |
| Cleanup other description: | - |
| Num. of cleanup and re-dev. jobs: | - |
| Past use greenspace acreage: | - |
| Past use residential acreage: | - |
| Surface Water: | - |
| Past use commercial acreage: | - |
| Past use industrial acreage: | - |
| Future use greenspace acreage: | - |
| Future use residential acreage: | - |
| Future use commercial acreage: | - |
| Future use industrial acreage: | - |
| Superfund Fed. landowner flag: | - |
| Arsenic cleaned up: | - |
| Cadmium cleaned up: | - |
| Chromium cleaned up: | - |
| Copper cleaned up: | - |
| Iron cleaned up: | - |
| mercury cleaned up: | - |

**SOUTHERN WATERFRONT INDUSTRIAL AREA STRATEGIC CLUS (Continued)** **1016351013**

| | |
|---|---|
| Nickel Cleaned Up: | - |
| No clean up: | - |
| Pesticides cleaned up: | - |
| Selenium cleaned up: | - |
| SVOCs cleaned up: | - |
| Unknown clean up: | - |
| Arsenic contaminant found: | - |
| Cadmium contaminant found: | - |
| Chromium contaminant found: | - |
| Copper contaminant found: | - |
| Iron contaminant found: | - |
| Mercury contaminant found: | - |
| Nickel contaminant found: | - |
| No contaminant found: | - |
| Pesticides contaminant found: | - |
| Selenium contaminant found: | - |
| SVOCs contaminant found: | - |
| Unknown contaminant found: | - |
| Future Use: Multistory | - |
| Media affected Bluiding Material: | - |
| Media affected indoor air: | - |
| Building material media cleaned up: | - |
| Indoor air media cleaned up: | - |
| Unknown media cleaned up: | - |
| Past Use: Multistory | - |
| Property Description: | - |
| Below Poverty Number: | 2203 |
| Below Poverty Percent: | 30.1 |
| Meidan Income: | 6336 |
| Meidan Income Number: | 4585 |
| Meidan Income Percent: | 62.65 |
| Vacant Housing Number: | 577 |
| Vacant Housing Percent: | 15.07 |
| Unemployed Number: | 689 |
| Unemployed Percent: | 9.41 |

FINDS:
Registry ID: 110039530585

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

**K43** **DUTCHESS COUNTY DPW - OLD CITY HALL BLDG** **RCRA NonGen / NLR** **1001079705**
**ESE** **228 MAIN ST** **FINDS** **NYR000014126**
**1/8-1/4** **POUGHKEEPSIE, NY 12601** **ECHO**
**0.186 mi.** **NY MANIFEST**
**982 ft.** **Site 1 of 6 in cluster K**

**Relative:**
**Higher**

**Actual:**
**170 ft.**

RCRA NonGen / NLR:

| | |
|---|---|
| Date Form Received by Agency: | 2007-01-01 00:00:00.0 |
| Handler Name: | DUTCHESS COUNTY DPW - OLD CITY HALL BLDG |
| Handler Address: | 228 MAIN ST |
| Handler City,State,Zip: | POUGHKEEPSIE, NY 12601-3102 |
| EPA ID: | NYR000014126 |
| Contact Name: | Not reported |
| Contact Address: | MARKET ST |
| Contact City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| Contact Telephone: | Not reported |
| Contact Fax: | Not reported |
| Contact Email: | Not reported |
| Contact Title: | Not reported |
| EPA Region: | 02 |
| Land Type: | Not reported |
| Federal Waste Generator Description: | Not a generator, verified |
| Non-Notifier: | Not reported |
| Biennial Report Cycle: | Not reported |
| Accessibility: | Not reported |
| Active Site Indicator: | Not reported |
| State District Owner: | NY |
| State District: | NYSDEC R3 |
| Mailing Address: | MARKET ST |
| Mailing City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| Owner Name: | DUTCHESS COUNTY DEPT OF PUBLIC WORKS |
| Owner Type: | Municipal |
| Operator Name: | DUTCHESS COUNTY DEPT OF PUBLIC WORKS |
| Operator Type: | Municipal |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site Fed-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site Converter Treatment storage and Disposal Facility: | Not reported |
| Active Site State-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | NN |
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |

**DUTCHESS COUNTY DPW - OLD CITY HALL BLDG (Continued)** **1001079705**

| | |
|---|---|
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 2015-04-14 00:00:00.0 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | Not reported |
| Manifest Broker: | Not reported |
| Sub-Part P Indicator: | Not reported |

Hazardous Waste Summary:

| | |
|---|---|
| Waste Code: | D008 |
| Waste Description: | LEAD |

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | DUTCHESS COUNTY DEPT OF PUBLIC WORKS |
| Legal Status: | Municipal |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 22 MARKET ST |
| Owner/Operator City,State,Zip: | POUGHKEEPSIE, NY 12601-3206 |
| Owner/Operator Telephone: | 914-486-2121 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | DUTCHESS COUNTY DEPT OF PUBLIC WORKS |
| Legal Status: | Municipal |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 22 MARKET ST |
| Owner/Operator City,State,Zip: | POUGHKEEPSIE, NY 12601-3206 |

**DUTCHESS COUNTY DPW - OLD CITY HALL BLDG (Continued)** **1001079705**

| | |
|---|---|
| Owner/Operator Telephone: | 914-486-2121 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | DUTCHESS COUNTY DEPT OF PUBLIC WORKS |
| Legal Status: | Municipal |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 22 MARKET ST |
| Owner/Operator City,State,Zip: | POUGHKEEPSIE, NY 12601-3206 |
| Owner/Operator Telephone: | 914-486-2121 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

Historic Generators:

| | |
|---|---|
| Receive Date: | 1999-07-08 00:00:00.0 |
| Handler Name: | DUTCHESS COUNTY DPW - OLD CITY HALL BLDG |
| Federal Waste Generator Description: | Not a generator, verified |
| State District Owner: | NY |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | No |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |

| | |
|---|---|
| Receive Date: | 2006-01-01 00:00:00.0 |
| Handler Name: | DUTCHESS COUNTY DPW - OLD CITY HALL BLDG |
| Federal Waste Generator Description: | Not a generator, verified |
| State District Owner: | NY |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | No |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |

| | |
|---|---|
| Receive Date: | 2007-01-01 00:00:00.0 |
| Handler Name: | DUTCHESS COUNTY DPW - OLD CITY HALL BLDG |
| Federal Waste Generator Description: | Not a generator, verified |
| State District Owner: | NY |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | Yes |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |

**DUTCHESS COUNTY DPW - OLD CITY HALL BLDG (Continued)** **1001079705**

| | |
|---|---|
| Receive Date: | 1995-09-26 00:00:00.0 |
| Handler Name: | DUTCHESS COUNTY DPW - OLD CITY HALL BLDG |
| Federal Waste Generator Description: | Small Quantity Generator |
| State District Owner: | NY |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | No |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |

| | |
|---|---|
| Receive Date: | 1996-10-15 00:00:00.0 |
| Handler Name: | DUTCHESS COUNTY DEPARTMENT OF PUB WORKS |
| Federal Waste Generator Description: | Large Quantity Generator |
| State District Owner: | NY |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | No |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |

List of NAICS Codes and Descriptions:

| | |
|---|---|
| NAICS Code: | 92119 |
| NAICS Description: | OTHER GENERAL GOVERNMENT SUPPORT |

Facility Has Received Notices of Violation:

| | |
|---|---|
| Found Violation: | Yes |
| Agency Which Determined Violation: | State |
| Violation Short Description: | Generators - Records/Reporting |
| Date Violation was Determined: | 1996-10-07 00:00:00.0 |
| Actual Return to Compliance Date: | 1996-10-23 00:00:00.0 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | State |
| Scheduled Compliance Date: | 1996-10-17 00:00:00.0 |
| Enforcement Identifier: | 000 |
| Date of Enforcement Action: | 1996-10-07 00:00:00.0 |
| Enforcement Responsible Agency: | State |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | NY |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | WRITTEN INFORMAL |
| Enforcement Responsible Person: | NYDEC |
| Enforcement Responsible Sub-Organization: | Not reported |

**DUTCHESS COUNTY DPW - OLD CITY HALL BLDG (Continued)** **1001079705**

| | |
|---|---|
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |

Evaluation Action Summary:

| | |
|---|---|
| Evaluation Date: | 1996-01-01 00:00:00.0 |
| Evaluation Responsible Agency: | State |
| Found Violation: | Yes |
| Evaluation Type Description: | NON-FINANCIAL RECORD REVIEW |
| Evaluation Responsible Person Identifier: | Not reported |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 1996-10-23 00:00:00.0 |
| Scheduled Compliance Date: | 1996-10-17 00:00:00.0 |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |

FINDS:
Registry ID: 110000904567

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

| | |
|---|---|
| Envid: | 1001079705 |
| Registry ID: | 110000904567 |
| DFR URL: | http://echo.epa.gov/detailed-facility-report?fid=110000904567 |
| Name: | DUTCHESS COUNTY DPW - OLD CITY HALL BLDG |
| Address: | 228 MAIN ST |
| City,State,Zip: | POUGHKEEPSIE, NY 12601 |

NY MANIFEST:

| | |
|---|---|
| Name: | DUCHESS COUNTY DPW |
| Address: | 228 MAIN ST |
| City,State,Zip: | POUGHKEEPSIE, NY 12601-0000 |
| Country: | USA |

**DUTCHESS COUNTY DPW - OLD CITY HALL BLDG (Continued)** **1001079705**

| | |
|---|---|
| EPA ID: | NYR000014126 |
| Facility Status: | Not reported |
| Location Address 1: | 228 MAIN ST (OLD CITY HALL) |
| Code: | BP |
| Location Address 2: | Not reported |
| Total Tanks: | Not reported |
| Location City: | POUGHKEEPSIE |
| Location State: | NY |
| Location Zip: | Not reported |
| Location Zip 4: | Not reported |

NY MANIFEST:

| | |
|---|---|
| EPAID: | NYR000014126 |
| Mailing Name: | DUCHESS COUNTY DPW |
| Mailing Contact: | NOVAK VAJICIC |
| Mailing Address 1: | 22 MARKET ST |
| Mailing Address 2: | Not reported |
| Mailing City: | POUGHKEEPSIE |
| Mailing State: | NY |
| Mailing Zip: | 12601 |
| Mailing Zip 4: | Not reported |
| Mailing Country: | USA |
| Mailing Phone: | 9144862121 |

NY MANIFEST:

| | |
|---|---|
| Document ID: | NJA2261312 |
| Manifest Status: | C |
| seq: | Not reported |
| Year: | 1996 |
| Trans1 State ID: | S6993 |
| Trans2 State ID: | Not reported |
| Generator Ship Date: | 05/01/1996 |
| Trans1 Recv Date: | 05/01/1996 |
| Trans2 Recv Date: | / / |
| TSD Site Recv Date: | 05/01/1996 |
| Part A Recv Date: | / / |
| Part B Recv Date: | 05/10/1996 |
| Generator EPA ID: | NYR000014126 |
| Trans1 EPA ID: | NJD980772768 |
| Trans2 EPA ID: | Not reported |
| TSDF ID 1: | NJD991291105 |
| TSDF ID 2: | Not reported |
| Manifest Tracking Number: | Not reported |
| Import Indicator: | Not reported |
| Export Indicator: | Not reported |
| Discr Quantity Indicator: | Not reported |
| Discr Type Indicator: | Not reported |
| Discr Residue Indicator: | Not reported |
| Discr Partial Reject Indicator: | Not reported |
| Discr Full Reject Indicator: | Not reported |
| Manifest Ref Number: | Not reported |
| Alt Facility RCRA ID: | Not reported |
| Alt Facility Sign Date: | Not reported |
| MGMT Method Type Code: | Not reported |
| Waste Code: | D008 - LEAD 5.0 MG/L TCLP |
| Waste Code: | Not reported |
| Waste Code: | Not reported |

**DUTCHESS COUNTY DPW - OLD CITY HALL BLDG (Continued)** **1001079705**

| | |
|---|---|
| Waste Code: | Not reported |
| Waste Code: | Not reported |
| Waste Code: | Not reported |
| Quantity: | 03275 |
| Units: | P - Pounds |
| Number of Containers: | 007 |
| Container Type: | DM - Metal drums, barrels |
| Handling Method: | T Chemical, physical, or biological treatment. |
| Specific Gravity: | 100 |

---

**L44** **MID-HUDSON CIVIC CENTER INC** **RCRA NonGen / NLR** **1005417300**
**ESE** **14 CIVIC CENTER PLZ** **FINDS** **NYR000104265**
**1/8-1/4** **POUGHKEEPSIE, NY 12601** **ECHO**
**0.189 mi.** **NY MANIFEST**
**1000 ft.** **Site 1 of 2 in cluster L**

**Relative:** **Higher**
**Actual:** **170 ft.**

RCRA NonGen / NLR:

| | |
|---|---|
| Date Form Received by Agency: | 2007-01-01 00:00:00.0 |
| Handler Name: | MID-HUDSON CIVIC CENTER INC |
| Handler Address: | 14 CIVIC CENTER PLZ |
| Handler City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| EPA ID: | NYR000104265 |
| Contact Name: | SUSAN DUMOULIN |
| Contact Address: | CIVIC CENTER PLZ |
| Contact City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| Contact Telephone: | 845-454-5800 |
| Contact Fax: | Not reported |
| Contact Email: | Not reported |
| Contact Title: | Not reported |
| EPA Region: | 02 |
| Land Type: | Private |
| Federal Waste Generator Description: | Not a generator, verified |
| Non-Notifier: | Not reported |
| Biennial Report Cycle: | Not reported |
| Accessibility: | Not reported |
| Active Site Indicator: | Not reported |
| State District Owner: | NY |
| State District: | NYSDEC R3 |
| Mailing Address: | CIVIC CENTER PLZ |
| Mailing City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| Owner Name: | CIVIC PROPERTIES C/O JAMES TAYLOR MFG |
| Owner Type: | Private |
| Operator Name: | CIVIC PROPERTIES C/O JAMES TAYLOR MFG |
| Operator Type: | Private |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |

**MID-HUDSON CIVIC CENTER INC (Continued)** **1005417300**

| | |
|---|---|
| Active Site Fed-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site Converter Treatment storage and Disposal Facility: | Not reported |
| Active Site State-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | NN |
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 2015-04-14 00:00:00.0 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | Not reported |
| Manifest Broker: | Not reported |
| Sub-Part P Indicator: | Not reported |

Hazardous Waste Summary:

| | |
|---|---|
| Waste Code: | F002 |
| Waste Description: | THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES. |

**MID-HUDSON CIVIC CENTER INC (Continued)** **1005417300**

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | CIVIC PROPERTIES C/O JAMES TAYLOR MFG |
| Legal Status: | Private |
| Date Became Current: | 2001-01-01 00:00:00. |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 108 PARK AVE |
| Owner/Operator City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| Owner/Operator Telephone: | 845-452-3780 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | CIVIC PROPERTIES C/O JAMES TAYLOR MFG |
| Legal Status: | Private |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 108 PARK AVE |
| Owner/Operator City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| Owner/Operator Telephone: | 845-452-3780 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | CIVIC PROPERTIES C/O JAMES TAYLOR MFG |
| Legal Status: | Private |
| Date Became Current: | 2001-01-01 00:00:00. |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 108 PARK AVE |
| Owner/Operator City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| Owner/Operator Telephone: | 845-452-3780 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

Historic Generators:

| | |
|---|---|
| Receive Date: | 2006-01-01 00:00:00.0 |
| Handler Name: | MID-HUDSON CIVIC CENTER INC |
| Federal Waste Generator Description: | Not a generator, verified |
| State District Owner: | NY |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | No |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |

| | |
|---|---|
| Receive Date: | 2007-01-01 00:00:00.0 |
| Handler Name: | MID-HUDSON CIVIC CENTER INC |
| Federal Waste Generator Description: | Not a generator, verified |
| State District Owner: | NY |
| Large Quantity Handler of Universal Waste: | No |

**MID-HUDSON CIVIC CENTER INC (Continued)** **1005417300**

| | |
|---|---|
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | Yes |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |

| | |
|---|---|
| Receive Date: | 2002-02-20 00:00:00.0 |
| Handler Name: | MID-HUDSON CIVIC CENTER INC |
| Federal Waste Generator Description: | Small Quantity Generator |
| State District Owner: | NY |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | No |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |

List of NAICS Codes and Descriptions:

No NAICS Codes Found:

Facility Has Received Notices of Violation:

No Violations Found:

Evaluation Action Summary:

No Evaluations Found:

FINDS:
Registry ID: 110012197568

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

| | |
|---|---|
| Envid: | 1005417300 |
| Registry ID: | 110012197568 |
| DFR URL: | http://echo.epa.gov/detailed-facility-report?fid=110012197568 |
| Name: | MID-HUDSON CIVIC CENTER INC |
| Address: | 14 CIVIC CENTER PLZ |
| City,State,Zip: | POUGHKEEPSIE, NY 12601 |

**MID-HUDSON CIVIC CENTER INC (Continued)** **1005417300**

NY MANIFEST:

| | |
|---|---|
| Name: | MID HUDSON CIVIC CENTER |
| Address: | 14 CIVIC CENTER PLZ |
| City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| Country: | USA |
| EPA ID: | NYR000104265 |
| Facility Status: | Not reported |
| Location Address 1: | 14 CIVIC CENTER PLAZA |
| Code: | BP |
| Location Address 2: | Not reported |
| Total Tanks: | Not reported |
| Location City: | POUGHKEEPSIE |
| Location State: | NY |
| Location Zip: | 12601 |
| Location Zip 4: | Not reported |

NY MANIFEST:

| | |
|---|---|
| EPAID: | NYR000104265 |
| Mailing Name: | MID HUDSON CIVIC CENTER |
| Mailing Contact: | LARRY MARCHIONY |
| Mailing Address 1: | 14 CIVIC CENTER PLAZA |
| Mailing Address 2: | Not reported |
| Mailing City: | POUGHKEEPSIE |
| Mailing State: | NY |
| Mailing Zip: | 12601 |
| Mailing Zip 4: | Not reported |
| Mailing Country: | USA |
| Mailing Phone: | 5169247873 |

NY MANIFEST:

| | |
|---|---|
| Document ID: | Not reported |
| Manifest Status: | Not reported |
| seq: | Not reported |
| Year: | Not reported |
| Trans1 State ID: | NYD986908085 |
| Trans2 State ID: | NYD986908085 |
| Generator Ship Date: | 06/08/2007 |
| Trans1 Recv Date: | 06/08/2007 |
| Trans2 Recv Date: | 06/12/2007 |
| TSD Site Recv Date: | 06/13/2007 |
| Part A Recv Date: | Not reported |
| Part B Recv Date: | Not reported |
| Generator EPA ID: | NYR000104265 |
| Trans1 EPA ID: | Not reported |
| Trans2 EPA ID: | Not reported |
| TSDF ID 1: | CTD002593887 |
| TSDF ID 2: | Not reported |
| Manifest Tracking Number: | 003000064JJK |
| Import Indicator: | N |
| Export Indicator: | N |
| Discr Quantity Indicator: | N |
| Discr Type Indicator: | N |
| Discr Residue Indicator: | N |
| Discr Partial Reject Indicator: | N |
| Discr Full Reject Indicator: | N |
| Manifest Ref Number: | Not reported |
| Alt Facility RCRA ID: | Not reported |

**MID-HUDSON CIVIC CENTER INC (Continued)** **1005417300**

| | |
|---|---|
| Alt Facility Sign Date: | Not reported |
| MGMT Method Type Code: | H141 |
| Waste Code: | Not reported |
| Waste Code: | Not reported |
| Waste Code: | Not reported |
| Waste Code: | Not reported |
| Waste Code: | Not reported |
| Waste Code: | Not reported |
| Quantity: | 110 |
| Units: | G - Gallons (liquids only)* (8.3 pounds) |
| Number of Containers: | 3 |
| Container Type: | DF - Fiberboard or plastic drums (glass) |
| Handling Method: | T Chemical, physical, or biological treatment. |
| Specific Gravity: | 1 |
| Waste Code: | D002 |
| Waste Code 1_2: | Not reported |
| Waste Code 1_3: | Not reported |
| Waste Code 1_4: | Not reported |
| Waste Code 1_5: | Not reported |
| Waste Code 1_6: | Not reported |

---

**L45** **MID-HUDSON CIVIC CENTER** **NY UST** **U004320833**
**ESE** **14 CIVIC CENTER PLAZA** **N/A**
**1/8-1/4** **POUGHKEEPSIE, NY 12601**
**0.189 mi.**
**1000 ft.** **Site 2 of 2 in cluster L**

**Relative:**
**Higher**

**Actual:**
**170 ft.**

UST:

| | |
|---|---|
| Name: | MID-HUDSON CIVIC CENTER |
| Address: | 14 CIVIC CENTER PLAZA |
| City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| Id/Status: | 3-991154 / Active |
| Program Type: | PBS |
| Region: | STATE |
| DEC Region: | 3 |
| Expiration Date: | 04/27/2025 |
| UTM X: | Not reported |
| UTM Y: | Not reported |
| Site Type: | Other |

Affiliation Records:

| | |
|---|---|
| Site Id: | 604185 |
| Affiliation Type: | Facility Owner |
| Company Name: | MID-HUDSON CIVIC CENTER |
| Contact Type: | PRESIDENT |
| Contact Name: | DANIELLE ANDERSON |
| Address1: | 14 CIVIC CENTER PLAZA |
| Address2: | Not reported |
| City: | POUGHKEEPSIE |
| State: | NY |
| Zip Code: | 12601 |
| Country Code: | 001 |
| Phone: | (845) 494-6529 |
| EMail: | DANIELLE@MIDHUSONCIVICCENTER.ORG |
| Fax Number: | Not reported |
| Modified By: | AAVITARI |
| Date Last Modified: | 2020-04-27 |

**MID-HUDSON CIVIC CENTER (Continued)** **U004320833**

| | |
|---|---|
| Site Id: | 604185 |
| Affiliation Type: | Mail Contact |
| Company Name: | MID-HUDSON CIVIC CENTER |
| Contact Type: | PRESIDENT |
| Contact Name: | DANIELLE ANDERSON |
| Address1: | 14 CIVIC CENTER PLAZA |
| Address2: | Not reported |
| City: | POUGHKEEPSIE |
| State: | NY |
| Zip Code: | 12601 |
| Country Code: | 001 |
| Phone: | (845) 494-6529 |
| EMail: | DANIELLE@MIDHUSONCIVICCENTER.ORG |
| Fax Number: | Not reported |
| Modified By: | AAVITARI |
| Date Last Modified: | 2020-04-27 |

| | |
|---|---|
| Site Id: | 604185 |
| Affiliation Type: | Facility Operator |
| Company Name: | MID-HUDSON CIVIC CENTER |
| Contact Type: | Not reported |
| Contact Name: | DANIELLE ANDERSON |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | Not reported |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | AAVITARI |
| Date Last Modified: | 2020-04-27 |

| | |
|---|---|
| Site Id: | 604185 |
| Affiliation Type: | Emergency Contact |
| Company Name: | MID-HUDSON CIVIC CENTER |
| Contact Type: | Not reported |
| Contact Name: | DANIELLE ANDERSON |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (845) 494-6529 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | AAVITARI |
| Date Last Modified: | 2020-04-27 |

Tank Info:

| | |
|---|---|
| Tank Number: | 1 |
| Tank ID: | 286620 |
| Tank Status: | In Service |
| Material Name: | In Service |

**MID-HUDSON CIVIC CENTER (Continued)** **U004320833**

| | |
|---|---|
| Capacity Gallons: | 15000 |
| Install Date: | 01/01/1976 |
| Date Tank Closed: | Not reported |
| Registered: | True |
| Tank Location: | Underground |
| Tank Type: | Steel/carbon steel |
| Tightness Test Method: | - |
| Date Test: | Not reported |
| Next Test Date: | 10/11/2016 |
| Pipe Model: | Not reported |
| Modified By: | AAVITARI |
| Last Modified: | 04/27/2020 |

Equipment Records:

F00 - Pipe External Protection - None
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
K00 - Spill Prevention - None
A00 - Tank Internal Protection - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
I00 - Overfill - None
J00 - Dispenser - None
L00 - Piping Leak Detection - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None

| | |
|---|---|
| Tank Number: | 2 |
| Tank ID: | 286621 |
| Tank Status: | In Service |
| Material Name: | In Service |
| Capacity Gallons: | 500 |
| Install Date: | 01/01/1976 |
| Date Tank Closed: | Not reported |
| Registered: | True |
| Tank Location: | Underground |
| Tank Type: | Steel/carbon steel |
| Tightness Test Method: | - |
| Date Test: | Not reported |
| Next Test Date: | 10/11/2016 |
| Pipe Model: | Not reported |
| Modified By: | AAVITARI |
| Last Modified: | 04/27/2020 |

Equipment Records:

A00 - Tank Internal Protection - None
K00 - Spill Prevention - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
I00 - Overfill - None
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
J00 - Dispenser - None
D00 - Pipe Type - No Piping
L00 - Piping Leak Detection - None
G00 - Tank Secondary Containment - None

**K46** **COURTHOUSE ANNEX** **NY LTANKS** **S104950883**
**ESE** **235 MAIN ST** **NY Spills** **N/A**
**1/8-1/4** **POUGHKEEPSIE, NY**
**0.191 mi.**
**1008 ft.** **Site 2 of 6 in cluster K**

**Relative:**
**Higher**

**Actual:**
**169 ft.**

LTANKS:

| | |
|---|---|
| Name: | POK. FINANCIAL PLAZA |
| Address: | 235 MAIN ST |
| City,State,Zip: | POUGHKEEPSIE, NY |
| Spill Number/Closed Date: | 0011737 / 2001-05-01 |
| Facility ID: | 0011737 |
| Site ID: | 291978 |
| Spill Date: | 2000-10-09 |
| Spill Cause: | Tank Failure |
| Spill Source: | Commercial/Industrial |
| Spill Class: | C4 |
| Cleanup Ceased: | Not reported |
| SWIS: | 1446 |
| Investigator: | vpmccabe |
| Referred To: | Not reported |
| Reported to Dept: | 2001-01-31 |
| CID: | 257 |
| Water Affected: | Not reported |
| Spill Notifier: | Other |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| Meets Standard: | True |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 2001-01-31 |
| Spill Record Last Update: | 2004-08-11 |
| Spiller Name: | BRUNO BATTISTOLI |
| Spiller Company: | Not reported |
| Spiller Address: | 235 MAIN ST |
| Spiller County: | 001 |
| Spiller Contact: | BRUNO BATTISTOLI |
| Spiller Phone: | (914) 334-9898 |
| Spiller Extention: | Not reported |
| DEC Region: | 3 |
| DER Facility ID: | 236399 |
| DEC Memo: | "Prior to Sept, 2004 data translation this spill Lead_DEC Field was MCCABE/BENDELL 1/31/2001 RDB SPOKE TO MIKE HATCH @ TANK TIGHT. SPILL OCCURRED 10/9/00 BUT WAS NEVER CALLED IN. CONTAMINATION FOUND. TANK TIGHT CALLED IN TODAY & D. BENDELL INSTRUCTED THEM TO RESUBMIT CORRECTED CLOSURE REPORT. 05/01/2001 LETTER SENT TO POUGHKEEPSIE FINANCIAL BY W.W.; BASED ON SUBMITTAL OF 3/7/01, NO FURTHER ACTION IS REQUIRED AT THIS TIME. SPILL NUMBER CLOSED. This spill was updated 08/11/2004 from info in V. McCabe's data files. 'Date:' = 01/31/01, 'Phone' = 1/24/2001, 'Site Insp' = 6/30/2000. " |
| Remarks: | "samples were taken and found to be contaminted soil" |

All Materials:

| | |
|---|---|
| Site ID: | 291978 |
| Operable Unit ID: | 833117 |
| Operable Unit: | 01 |
| Material ID: | 542036 |
| Material Code: | 0001A |
| Material Name: | #2 fuel oil |
| Case No.: | Not reported |

**COURTHOUSE ANNEX (Continued)** **S104950883**

| | |
|---|---|
| Material FA: | Petroleum |
| Quantity: | .00 |
| Units: | G |
| Recovered: | .00 |
| Oxygenate: | Not reported |

SPILLS:

| | |
|---|---|
| Name: | COURTHOUSE ANNEX |
| Address: | 235 MAIN ST |
| City,State,Zip: | POUGHKEEPSIE, NY |
| Spill Number/Closed Date: | 9604976 / 1996-07-29 |
| Facility ID: | 9604976 |
| Facility Type: | ER |
| DER Facility ID: | 236399 |
| Site ID: | 291979 |
| DEC Region: | 3 |
| Spill Cause: | Unknown |
| Spill Class: | C3 |
| SWIS: | 1446 |
| Spill Date: | 1996-07-17 |
| Investigator: | VPMCCABE |
| Referred To: | Not reported |
| Reported to Dept: | 1996-07-17 |
| CID: | 270 |
| Water Affected: | Not reported |
| Spill Source: | Commercial/Industrial |
| Spill Notifier: | Affected Persons |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Std: | True |
| Last Inspection: | 1996-07-29 |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 1996-07-17 |
| Spill Record Last Update: | 1996-09-09 |
| Spiller Name: | JOE |
| Spiller Company: | COURTHOUSE ANNEX |
| Spiller Address: | 235 MAIN ST |
| Spiller Company: | 001 |
| Contact Name: | JOE |
| DEC Memo: | "Prior to Sept, 2004 data translation this spill Lead_DEC Field was MCCABE 07/29/96 TOP OF TANK DUG UP; SOME CONTAMINATED SOIL IN PILE; WILL BE TAKEN AWAY; DIRT CAME FROM OVERFILLS; WORK DONE BY IRA CONKIN " |
| Remarks: | "noticed contaminated soil when tank was uncovered for testing" |

All Materials:

| | |
|---|---|
| Site ID: | 291979 |
| Operable Unit ID: | 1032541 |
| Operable Unit: | 01 |
| Material ID: | 347732 |
| Material Code: | 0001A |
| Material Name: | #2 fuel oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | .00 |

**COURTHOUSE ANNEX (Continued)** **S104950883**

Units: G
Recovered: .00
Oxygenate: Not reported

---

**K47** **GSA** **NY UST** **U003749743**
**ESE** **235 MAIN STREET** **N/A**
**1/8-1/4** **POUGHKEEPSIE, NY 12602**
**0.191 mi.**
**1008 ft.** **Site 3 of 6 in cluster K**

**Relative:**
**Higher**

**Actual:**
**169 ft.**

UST:
Name: GSA
Address: 235 MAIN STREET
City,State,Zip: POUGHKEEPSIE, NY 12602
Id/Status: 3-601437 / Unregulated/Closed
Program Type: PBS
Region: STATE
DEC Region: 3
Expiration Date: N/A
UTM X: 589100.54680
UTM Y: 4617495.63143
Site Type: Other

Affiliation Records:
Site Id: 34545
Affiliation Type: Facility Owner
Company Name: POUGHKEEPSIE FINANCIAL PLAZA
Contact Type: Not reported
Contact Name: Not reported
Address1: PO BOX 151
Address2: Not reported
City: POUGHKEEPSIE
State: NY
Zip Code: 12602
Country Code: 001
Phone: (914) 334-9898
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 2004-03-04

Site Id: 34545
Affiliation Type: Mail Contact
Company Name: TANKTITE, INC.
Contact Type: Not reported
Contact Name: STEPHANIE MUNSON
Address1: 1551 GREENWOOD LAKE TPKE.
Address2: Not reported
City: HEWITT
State: NJ
Zip Code: 07421
Country Code: 001
Phone: (973) 728-8855
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 2004-03-04

**GSA (Continued)** **U003749743**

| | |
|---|---|
| Site Id: | 34545 |
| Affiliation Type: | Facility Operator |
| Company Name: | GSA |
| Contact Type: | Not reported |
| Contact Name: | BRUNO |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (914) 334-9898 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 2004-03-04 |

| | |
|---|---|
| Site Id: | 34545 |
| Affiliation Type: | Emergency Contact |
| Company Name: | POUGHKEEPSIE FINANCIAL PLAZA |
| Contact Type: | Not reported |
| Contact Name: | S. MUNSON |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (973) 728-8855 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 2004-03-04 |

Tank Info:

| | |
|---|---|
| Tank Number: | 1 |
| Tank ID: | 82373 |
| Tank Status: | Closed - In Place |
| Material Name: | Closed - In Place |
| Capacity Gallons: | 5000 |
| Install Date: | 01/01/1977 |
| Date Tank Closed: | 07/25/2000 |
| Registered: | True |
| Tank Location: | Underground |
| Tank Type: | Steel/carbon steel |
| Material Code: | 0001 |
| Common Name of Substance: | #2 Fuel Oil (On-Site Consumption) |

| | |
|---|---|
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Pipe Model: | Not reported |
| Modified By: | TRANSLAT |
| Last Modified: | 04/14/2017 |

Equipment Records:

**GSA (Continued)** **U003749743**

H00 - Tank Leak Detection - None
I00 - Overfill - None
B00 - Tank External Protection - None
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D10 - Pipe Type - Copper
C02 - Pipe Location - Underground/On-ground
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser

---

**48**
**West**
**1/8-1/4**
**0.201 mi.**
**1059 ft.**

**NYSDOT BIN 1005301 & 1005302**
**RTE 9 OVER MAIN ST**
**POUGHKEEPSIE, NY 12603**

**RCRA NonGen / NLR** **1000790684**
**NY MANIFEST** **NYD987021706**

**Relative:**
**Lower**

**Actual:**
**36 ft.**

RCRA NonGen / NLR:

| | |
|---|---|
| Date Form Received by Agency: | 2007-01-01 00:00:00.0 |
| Handler Name: | NYSDOT BIN 1005301 & 1005302 |
| Handler Address: | RTE 9 OVER MAIN ST |
| Handler City,State,Zip: | POUGHKEEPSIE, NY 12603 |
| EPA ID: | NYD987021706 |
| Contact Name: | RICHARD MANNS |
| Contact Address: | BURNETT BLVD |
| Contact City,State,Zip: | POUGHKEEPSIE, NY 12603 |
| Contact Telephone: | 914-431-5743 |
| Contact Fax: | Not reported |
| Contact Email: | Not reported |
| Contact Title: | Not reported |
| EPA Region: | 02 |
| Land Type: | State |
| Federal Waste Generator Description: | Not a generator, verified |
| Non-Notifier: | Not reported |
| Biennial Report Cycle: | Not reported |
| Accessibility: | Not reported |
| Active Site Indicator: | Not reported |
| State District Owner: | NY |
| State District: | NYSDEC R3 |
| Mailing Address: | BURNETT BLVD |
| Mailing City,State,Zip: | POUGHKEEPSIE, NY 12603 |
| Owner Name: | NYSDOT |
| Owner Type: | State |
| Operator Name: | NYSDOT |
| Operator Type: | State |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site Fed-Reg Treatment Storage and Disposal Facility: | Not reported |

**NYSDOT BIN 1005301 & 1005302 (Continued)** **1000790684**

| | |
|---|---|
| Active Site Converter Treatment storage and Disposal Facility: | Not reported |
| Active Site State-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | NN |
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 2015-04-14 00:00:00.0 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | Not reported |
| Manifest Broker: | Not reported |
| Sub-Part P Indicator: | Not reported |

Hazardous Waste Summary:

| | |
|---|---|
| Waste Code: | D000 |
| Waste Description: | Not Defined |
| Waste Code: | D008 |
| Waste Description: | LEAD |

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | NYSDOT |
| Legal Status: | State |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |

**NYSDOT BIN 1005301 & 1005302 (Continued)** **1000790684**

| | |
|---|---|
| Owner/Operator Address: | NOT REQUIRED |
| Owner/Operator City,State,Zip: | NOT REQUIRED, NY 99999 |
| Owner/Operator Telephone: | 212-555-1212 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| | |
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | NYSDOT |
| Legal Status: | State |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | NOT REQUIRED |
| Owner/Operator City,State,Zip: | NOT REQUIRED, NY 99999 |
| Owner/Operator Telephone: | 212-555-1212 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| | |
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | NYSDOT |
| Legal Status: | State |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | NOT REQUIRED |
| Owner/Operator City,State,Zip: | NOT REQUIRED, NY 99999 |
| Owner/Operator Telephone: | 212-555-1212 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

Historic Generators:

| | |
|---|---|
| Receive Date: | 2006-01-01 00:00:00.0 |
| Handler Name: | NYSDOT BIN 1005301 & 1005302 |
| Federal Waste Generator Description: | Not a generator, verified |
| State District Owner: | NY |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | No |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |
| | |
| Receive Date: | 2007-01-01 00:00:00.0 |
| Handler Name: | NYSDOT BIN 1005301 & 1005302 |
| Federal Waste Generator Description: | Not a generator, verified |
| State District Owner: | NY |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | Yes |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |

**NYSDOT BIN 1005301 & 1005302 (Continued)** **1000790684**

| | |
|---|---|
| Receive Date: | 1992-11-06 00:00:00.0 |
| Handler Name: | NYSDOT BIN 1005301 & 1005302 |
| Federal Waste Generator Description: | Not a generator, verified |
| State District Owner: | NY |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | No |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |

List of NAICS Codes and Descriptions:

No NAICS Codes Found:

Facility Has Received Notices of Violation:

No Violations Found:

Evaluation Action Summary:

No Evaluations Found:

NY MANIFEST:

| | |
|---|---|
| Name: | NYSDOT BIN 1005301 & 1005302 |
| Address: | RTE 9 OVER MAIN ST |
| City,State,Zip: | POUGHKEEPSIE, NY 12603 |
| Country: | USA |
| EPA ID: | NYD987021706 |
| Facility Status: | Not reported |
| Location Address 1: | RTE 9 OVER MAIN ST |
| Code: | BP |
| Location Address 2: | Not reported |
| Total Tanks: | Not reported |
| Location City: | POUGHKEEPSIE |
| Location State: | NY |
| Location Zip: | 12603 |
| Location Zip 4: | Not reported |

NY MANIFEST:

| | |
|---|---|
| EPAID: | NYD987021706 |
| Mailing Name: | NYSDOT BIN 1005301 & 1005302 |
| Mailing Contact: | N/S |
| Mailing Address 1: | 4 BURNETT BLVD |
| Mailing Address 2: | Not reported |
| Mailing City: | POUGHKEEPSIE |
| Mailing State: | NY |
| Mailing Zip: | 12603 |
| Mailing Zip 4: | Not reported |
| Mailing Country: | USA |
| Mailing Phone: | 8455756000 |

NY MANIFEST:

| | |
|---|---|
| Document ID: | NJA4144312 |

**NYSDOT BIN 1005301 & 1005302 (Continued)** **1000790684**

| | |
|---|---|
| Manifest Status: | Not reported |
| seq: | 01 |
| Year: | 2002 |
| Trans1 State ID: | S8424 |
| Trans2 State ID: | Not reported |
| Generator Ship Date: | 11/21/2002 |
| Trans1 Recv Date: | 11/21/2002 |
| Trans2 Recv Date: | Not reported |
| TSD Site Recv Date: | 11/21/2002 |
| Part A Recv Date: | Not reported |
| Part B Recv Date: | Not reported |
| Generator EPA ID: | NYD987021706 |
| Trans1 EPA ID: | NYD046765574 |
| Trans2 EPA ID: | Not reported |
| TSDF ID 1: | NJD991291105 |
| TSDF ID 2: | Not reported |
| Manifest Tracking Number: | Not reported |
| Import Indicator: | Not reported |
| Export Indicator: | Not reported |
| Discr Quantity Indicator: | Not reported |
| Discr Type Indicator: | Not reported |
| Discr Residue Indicator: | Not reported |
| Discr Partial Reject Indicator: | Not reported |
| Discr Full Reject Indicator: | Not reported |
| Manifest Ref Number: | Not reported |
| Alt Facility RCRA ID: | Not reported |
| Alt Facility Sign Date: | Not reported |
| MGMT Method Type Code: | Not reported |
| Waste Code: | D008 - LEAD 5.0 MG/L TCLP |
| Waste Code: | Not reported |
| Waste Code: | Not reported |
| Waste Code: | Not reported |
| Waste Code: | Not reported |
| Waste Code: | Not reported |
| Quantity: | 01500 |
| Units: | P - Pounds |
| Number of Containers: | 003 |
| Container Type: | DM - Metal drums, barrels |
| Handling Method: | T Chemical, physical, or biological treatment. |
| Specific Gravity: | 01.00 |

---

**J49** **POUGHKEEPSIE POST OFFICE** **NY AST** **U003397790**
**ENE** **55 MANSION STREET** **N/A**
**1/8-1/4** **POUGHKEEPSIE, NY 12601**
**0.215 mi.**
**1137 ft.** **Site 2 of 2 in cluster J**

**Relative:** AST:
**Higher**

**Actual:** **168 ft.**

| | |
|---|---|
| Name: | POUGHKEEPSIE POST OFFICE |
| Address: | 55 MANSION STREET |
| City,State,Zip: | POUGHKEEPSIE, NY 12601-9998 |
| Region: | STATE |
| DEC Region: | 3 |
| Site Status: | Unregulated/Closed |
| Facility Id: | 3-600107 |
| Program Type: | PBS |
| UTM X: | 589213.95384 |

**POUGHKEEPSIE POST OFFICE (Continued)** **U003397790**

UTM Y: 4617832.76409
Expiration Date: N/A
Site Type: Other

Affiliation Records:

Site Id: 33817
Affiliation Type: Facility Owner
Company Name: U.S. POSTAL SERVICE
Contact Type: ENV. COMPLIANCE & RISK MITIGATION SPECIALIST
Contact Name: JAMES E. NAGY
Address1: 55 MANSION STREET
Address2: Not reported
City: POUGHKEEPSIE
State: NY
Zip Code: 12601-9998
Country Code: 001
Phone: (845) 452-5297
EMail: Not reported
Fax Number: Not reported
Modified By: BHYUKOWE
Date Last Modified: 2013-03-26

Site Id: 33817
Affiliation Type: Mail Contact
Company Name: U.S. POSTAL SERVICE
Contact Type: Not reported
Contact Name: POSTMASTER
Address1: 55 MANSION STREET
Address2: Not reported
City: POUGHKEEPSIE
State: NY
Zip Code: 12601-9998
Country Code: 001
Phone: (845) 452-5297
EMail: Not reported
Fax Number: Not reported
Modified By: BHYUKOWE
Date Last Modified: 2013-03-26

Site Id: 33817
Affiliation Type: Facility Operator
Company Name: POUGHKEEPSIE POST OFFICE
Contact Type: Not reported
Contact Name: STATION MANAGER
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (845) 452-5297
EMail: Not reported
Fax Number: Not reported
Modified By: BHYUKOWE
Date Last Modified: 2013-03-26

Site Id: 33817
Affiliation Type: Emergency Contact

**POUGHKEEPSIE POST OFFICE (Continued)** **U003397790**

| | |
|---|---|
| Company Name: | U.S. POSTAL SERVICE |
| Contact Type: | Not reported |
| Contact Name: | JAMES E. NAGY, CPEA.REM |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 999 |
| Phone: | (917) 971-1334 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | BHYUKOWE |
| Date Last Modified: | 2013-03-26 |

Tank Info:

| | |
|---|---|
| Tank Number: | MPO-1 |
| Tank Id: | 77067 |
| Material Code: | 0001 |
| Common Name of Substance: | #2 Fuel Oil (On-Site Consumption) |

Equipment Records:

| | |
|---|---|
| | A00 - Tank Internal Protection - None |
| | B01 - Tank External Protection - Painted/Asphalt Coating |
| | F00 - Pipe External Protection - None |
| | H00 - Tank Leak Detection - None |
| | I00 - Overfill - None |
| | L09 - Piping Leak Detection - Exempt Suction Piping |
| | D00 - Pipe Type - No Piping |
| | J02 - Dispenser - Suction Dispenser |
| | C03 - Pipe Location - Aboveground/Underground Combination |
| | G00 - Tank Secondary Containment - None |
| Tank Location: | Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated above grade or tank pad, allowing visual inspection. |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | Closed - Removed |
| Pipe Model: | Not reported |
| Install Date: | Not reported |
| Capacity Gallons: | 6000 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | 08/18/2010 |
| Register: | True |
| Modified By: | BHYUKOWE |
| Last Modified: | 04/14/2017 |
| Material Name: | #2 fuel oil (on-site consumption) |

**50**
**NNW**
**1/8-1/4**
**0.216 mi.**
**1139 ft.**

**OUR LADY OF MT. CARMEL SCHOOL**
**15 MOUNT CARMEL PLACE**
**POUGHKEEPSIE, NY 12601**

**NY AST** **A100348636**
**N/A**

**Relative:**
**Lower**

**Actual:**
**104 ft.**

AST:

| | |
|---|---|
| Name: | OUR LADY OF MT. CARMEL SCHOOL |
| Address: | 15 MOUNT CARMEL PLACE |
| City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| Region: | STATE |
| DEC Region: | 3 |
| Site Status: | Unregulated/Closed |
| Facility Id: | 3-600109 |
| Program Type: | PBS |
| UTM X: | 588553.88440 |
| UTM Y: | 4618009.42033 |
| Expiration Date: | N/A |
| Site Type: | School |

Affiliation Records:

| | |
|---|---|
| Site Id: | 33818 |
| Affiliation Type: | Facility Owner |
| Company Name: | OUR LADY OF MT. CARMEL PARISH |
| Contact Type: | PASTOR |
| Contact Name: | REV. PETER KIHM |
| Address1: | 11 MOUNT CARMEL PLACE |
| Address2: | Not reported |
| City: | POUGHKEEPSIE |
| State: | NY |
| Zip Code: | 12601 |
| Country Code: | 001 |
| Phone: | (845) 454-0340 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | BHYUKOWE |
| Date Last Modified: | 2010-01-04 |

| | |
|---|---|
| Site Id: | 33818 |
| Affiliation Type: | Mail Contact |
| Company Name: | MR. KEVIN MARTIN |
| Contact Type: | Not reported |
| Contact Name: | Not reported |
| Address1: | OUR LADY OF MOUNT CARMEL PARISH |
| Address2: | 11 MOUNT CARMEL PLACE |
| City: | POUGHKEEPSIE |
| State: | NY |
| Zip Code: | 12601 |
| Country Code: | 001 |
| Phone: | (845) 454-0340 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | BHYUKOWE |
| Date Last Modified: | 2010-01-04 |

| | |
|---|---|
| Site Id: | 33818 |
| Affiliation Type: | Facility Operator |
| Company Name: | OUR LADY OF MT. CARMEL SCHOOL |
| Contact Type: | Not reported |
| Contact Name: | MR. KEVIN MARTIN |

**OUR LADY OF MT. CARMEL SCHOOL (Continued)** **A100348636**

| | |
|---|---|
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (845) 454-0340 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | BHYUKOWE |
| Date Last Modified: | 2010-01-04 |

| | |
|---|---|
| Site Id: | 33818 |
| Affiliation Type: | Emergency Contact |
| Company Name: | OUR LADY OF MT. CARMEL PARISH |
| Contact Type: | Not reported |
| Contact Name: | MR. KEVIN MARTIN |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 999 |
| Phone: | (845) 454-0340 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | BHYUKOWE |
| Date Last Modified: | 2010-01-04 |

Tank Info:

| | |
|---|---|
| Tank Number: | SCHOOL |
| Tank Id: | 77068 |
| Material Code: | 0001 |
| Common Name of Substance: | #2 Fuel Oil (On-Site Consumption) |

Equipment Records:

| | |
|---|---|
| | H00 - Tank Leak Detection - None |
| | I00 - Overfill - None |
| | A00 - Tank Internal Protection - None |
| | F00 - Pipe External Protection - None |
| | D00 - Pipe Type - No Piping |
| | G01 - Tank Secondary Containment - Diking (Aboveground) |
| | B99 - Tank External Protection - Other |
| | C03 - Pipe Location - Aboveground/Underground Combination |
| Tank Location: | Partially buried tank (tank with 10% or more below ground).... Tank is less than 90% above grade, partially buried. |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | Closed - In Place |
| Pipe Model: | Not reported |
| Install Date: | Not reported |
| Capacity Gallons: | 2500 |
| Tightness Test Method: | 03 |
| Date Test: | 12/01/1992 |
| Next Test Date: | Not reported |
| Date Tank Closed: | 01/15/2010 |

**OUR LADY OF MT. CARMEL SCHOOL (Continued)** **A100348636**

| | |
|---|---|
| Register: | True |
| Modified By: | BHYUKOWE |
| Last Modified: | 04/14/2017 |
| Material Name: | #2 fuel oil (on-site consumption) |

---

**K51** **COUNTY OF DUTCHESS** **NY LTANKS** **S102155635**
**SE** **22 MARKET STREET** **NY Spills** **N/A**
**1/8-1/4** **POUGHKEEPSIE, NY 12601** **NY SPDES**
**0.216 mi.**
**1143 ft.** **Site 4 of 6 in cluster K**

**Relative:** **Higher**
**Actual:** **173 ft.**

LTANKS:

| | |
|---|---|
| Name: | DUTCHESS CTY. OFFICE BLDG |
| Address: | 22 MARKET STREET |
| City,State,Zip: | POUGHKEEPSIE, NY |
| Spill Number/Closed Date: | 9011974 / 1991-02-15 |
| Facility ID: | 9011974 |
| Site ID: | 143426 |
| Spill Date: | 1991-02-13 |
| Spill Cause: | Tank Overfill |
| Spill Source: | Institutional, Educational, Gov., Other |
| Spill Class: | Not reported |
| Cleanup Ceased: | 1991-02-15 |
| SWIS: | 1446 |
| Investigator: | dxtraver |
| Referred To: | Not reported |
| Reported to Dept: | 1991-02-15 |
| CID: | Not reported |
| Water Affected: | Not reported |
| Spill Notifier: | Health Department |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| Meets Standard: | True |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 1991-02-20 |
| Spill Record Last Update: | 1991-03-15 |
| Spiller Name: | Not reported |
| Spiller Company: | SEARS OIL |
| Spiller Address: | Not reported |
| Spiller County: | 001 |
| Spiller Contact: | Not reported |
| Spiller Phone: | Not reported |
| Spiller Extention: | Not reported |
| DEC Region: | 3 |
| DER Facility ID: | 122333 |
| DEC Memo: | "Prior to Sept, 2004 data translation this spill Lead_DEC Field was TRAVER " |
| Remarks: | "DUTCHESS CO. AND SPILLER CLEANED UP. CONTAINED IN BASEMENT. NFA" |

All Materials:

| | |
|---|---|
| Site ID: | 143426 |
| Operable Unit ID: | 951894 |
| Operable Unit: | 01 |
| Material ID: | 428485 |
| Material Code: | 0002A |
| Material Name: | #4 fuel oil |
| Case No.: | Not reported |

**COUNTY OF DUTCHESS (Continued)** **S102155635**

| | |
|---|---|
| Material FA: | Petroleum |
| Quantity: | 100.00 |
| Units: | G |
| Recovered: | .00 |
| Oxygenate: | Not reported |

SPILLS:

| | |
|---|---|
| Name: | COUNTY OFFICE BUILDING |
| Address: | 22 MARKET STREET |
| City,State,Zip: | POUGHKEEPSIE, NY |
| Spill Number/Closed Date: | 0312989 / 2004-04-09 |
| Facility ID: | 0312989 |
| Facility Type: | ER |
| DER Facility ID: | 122333 |
| Site ID: | 209488 |
| DEC Region: | 3 |
| Spill Cause: | Equipment Failure |
| Spill Class: | C3 |
| SWIS: | 1446 |
| Spill Date: | 2003-08-25 |
| Investigator: | PBS |
| Referred To: | Not reported |
| Reported to Dept: | 2004-02-25 |
| CID: | 406 |
| Water Affected: | Not reported |
| Spill Source: | Institutional, Educational, Gov., Other |
| Spill Notifier: | Other |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Std: | True |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 2004-02-25 |
| Spill Record Last Update: | 2004-08-11 |
| Spiller Name: | KEN MONAHAN |
| Spiller Company: | DUTCHESS CO. OFFICE BUILD |
| Spiller Address: | 22 MARKET ST. |
| Spiller Company: | 001 |
| Contact Name: | KEN MONAHAN |
| DEC Memo: | "" |
| Remarks: | "Removing an underground tank this one had a piping leak. Soil sample was contaminated. This tank has had two other spills #9506821 and #9011974. Tank has since been replaced. Nothing has been done about the soil contam." |

All Materials:

| | |
|---|---|
| Site ID: | 209488 |
| Operable Unit ID: | 880180 |
| Operable Unit: | 01 |
| Material ID: | 498160 |
| Material Code: | 0002A |
| Material Name: | #4 fuel oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | .00 |

**COUNTY OF DUTCHESS (Continued)** **S102155635**

| | |
|---|---|
| Units: | L |
| Recovered: | .00 |
| Oxygenate: | Not reported |

| | |
|---|---|
| Name: | SPILL NUMBER 9506821 |
| Address: | 22 MARKET STREET |
| City,State,Zip: | POUGHKEEPSIE, NY |
| Spill Number/Closed Date: | 9506821 / 1995-10-12 |
| Facility ID: | 9506821 |
| Facility Type: | ER |
| DER Facility ID: | 122333 |
| Site ID: | 140662 |
| DEC Region: | 3 |
| Spill Cause: | Unknown |
| Spill Class: | D5 |
| SWIS: | 1446 |
| Spill Date: | 1995-04-01 |
| Investigator: | UNASSIGNED |
| Referred To: | Not reported |
| Reported to Dept: | 1995-09-05 |
| CID: | Not reported |
| Water Affected: | Not reported |
| Spill Source: | Unknown |
| Spill Notifier: | Other |
| Cleanup Ceased: | 1995-10-12 |
| Cleanup Meets Std: | False |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 1948-12-27 |
| Spill Record Last Update: | 2004-02-20 |
| Spiller Name: | Not reported |
| Spiller Company: | Not reported |
| Spiller Address: | Not reported |
| Spiller Company: | 001 |
| Contact Name: | Not reported |
| DEC Memo: | "Prior to Sept, 2004 data translation this spill Lead_DEC Field was 02/20/04 SPILL FILE CORRUPTED ON COMPUTER DATABASE. NO HARD COPY OF THE FILE EXISTS IN REGION 3 OFFICE. jbo" |
| Remarks: | "" |

All Materials:

| | |
|---|---|
| Site ID: | 140662 |
| Operable Unit ID: | 1017569 |
| Operable Unit: | 01 |
| Material ID: | 364778 |
| Material Code: | 0064A |
| Material Name: | unknown material |
| Case No.: | Not reported |
| Material FA: | Other |
| Quantity: | .00 |
| Units: | L |
| Recovered: | .00 |
| Oxygenate: | Not reported |

**COUNTY OF DUTCHESS (Continued)** **S102155635**

SPDES:

| | |
|---|---|
| Name: | COUNTY OF DUTCHESS |
| Address: | 22 MARKET STREET |
| City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| Permit Number: | NYR20A386 |
| State-Region: | 3 |
| Expiration Date: | Not reported |
| Current Major Minor Status: | Not reported |
| Primary Facility SIC Code: | Not reported |
| State Water Body Name: | Not reported |
| Limit Set Status Flag: | Not reported |
| Total Actual Average Flow(MGD): | Not reported |
| Total App Design Flow(MGD): | Not reported |
| UDF1: | Not reported |
| Lat/Long: | Not reported |
| DMR Cognizant Official: | Not reported |
| UDF2: | Not reported |
| UDF3: | Not reported |
| FIPS County Code: | Not reported |
| Non-Gov Permit Affiliation Type Desc: | Not reported |
| Non-Gov Permit Org Formal Name: | Not reported |
| Non-Gov Permit Street Address: | Not reported |
| Non-Gov Permit Supplemental Location: | Not reported |
| Non-Gov Permit City: | Not reported |
| Non-Gov Permit State Code: | Not reported |
| Non-Gov Permit Zip Code: | Not reported |
| Non-Gov Facility Affiliation Type Desc: | Not reported |
| Non-Gov Facility Org Formal Name: | Not reported |
| Non-Gov Facility Street Address: | Not reported |
| Non-Gov Facility Supplemental Location: | Not reported |
| Non-Gov Facility City: | Not reported |
| Non-Gov Facility State Code: | Not reported |
| Non-Gov Facility Zip Code: | Not reported |
| State Water Body: | Not reported |
| Region Permit Processed: | Not reported |
| Dow Discharge Class Code: | Not reported |
| SPDES Class Description: | MS4 |
| Affiliation Type Description: | Not reported |
| Name: | MARCUS J MOLINARO |
| Contacts Title: | COUNTY EXECUTIVE |
| Contacts Email: | Not reported |
| NOI Submission Date: | 03/27/2003 |

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**K52** **DUTCHESS COUNTY COMPLEX** **NY UST U004062572**
**SE** **22 MARKET STREET** **NY AST N/A**
**1/8-1/4** **POUGHKEEPSIE, NY 12601**
**0.216 mi.**
**1143 ft.** **Site 5 of 6 in cluster K**

**Relative:** **Higher**

**Actual:** **173 ft.**

UST:

| | |
|---|---|
| Name: | DUTCHESS COUNTY COMPLEX |
| Address: | 22 MARKET STREET |
| City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| Id/Status: | 3-600871 / Active |
| Program Type: | PBS |
| Region: | STATE |

**DUTCHESS COUNTY COMPLEX (Continued)** **U004062572**

DEC Region: 3
Expiration Date: 01/16/2021
UTM X: 589054.42863
UTM Y: 4617503.71926
Site Type: Municipality (Incl. Waste Water Treatment Plants, Utilities, Swimming Pools, etc.)

Affiliation Records:

Site Id: 34167
Affiliation Type: Facility Owner
Company Name: DUTCHESS COUNTY DPW
Contact Type: COMMISSIONER OF PUBLIC WORKS
Contact Name: ROBERT BALKIND, PE
Address1: 626 DUTCHESS TURNPIKE
Address2: Not reported
City: POUGHKEEPSIE
State: NY
Zip Code: 12603
Country Code: 001
Phone: (845) 486-2121
EMail: Not reported
Fax Number: Not reported
Modified By: AAVITARI
Date Last Modified: 2019-10-30

Site Id: 34167
Affiliation Type: Mail Contact
Company Name: COMMISSIONER OF PUBLIC WORKS
Contact Type: Not reported
Contact Name: ROBERT BALKIND, PE
Address1: DUTCHESS COUNTY DPW
Address2: 626 DUTCHESS TURNPIKE
City: POUGHKEEPSIE
State: NY
Zip Code: 12603
Country Code: 001
Phone: (845) 486-2121
EMail: RBALKIND@DUTCHESSNY.GOV
Fax Number: Not reported
Modified By: CLJOHNSO
Date Last Modified: 2017-03-30

Site Id: 34167
Affiliation Type: Facility Operator
Company Name: DUTCHESS COUNTY COMPLEX
Contact Type: Not reported
Contact Name: JOHN J SCANDURRA
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (845) 486-2121
EMail: Not reported
Fax Number: Not reported
Modified By: FDBONDI
Date Last Modified: 2018-04-10

**DUTCHESS COUNTY COMPLEX (Continued)** **U004062572**

| | |
|---|---|
| Site Id: | 34167 |
| Affiliation Type: | Emergency Contact |
| Company Name: | DUTCHESS COUNTY DPW |
| Contact Type: | Not reported |
| Contact Name: | RADIO DISPATCH |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 999 |
| Phone: | (845) 486-2900 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | FJKELLY |
| Date Last Modified: | 2013-11-08 |

Tank Info:

| | |
|---|---|
| Tank Number: | 1 |
| Tank ID: | 79477 |
| Tank Status: | Closed - In Place |
| Material Name: | Closed - In Place |
| Capacity Gallons: | 3000 |
| Install Date: | Not reported |
| Date Tank Closed: | 11/01/1995 |
| Registered: | True |
| Tank Location: | Underground |
| Tank Type: | Steel/carbon steel |
| Material Code: | 0000 |
| Common Name of Substance: | Empty |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Pipe Model: | Not reported |
| Modified By: | TRANSLAT |
| Last Modified: | 04/14/2017 |

Equipment Records:

B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
I00 - Overfill - None
A00 - Tank Internal Protection - None
D00 - Pipe Type - No Piping
J00 - Dispenser - None
G00 - Tank Secondary Containment - None

| | |
|---|---|
| Tank Number: | 60MI |
| Tank ID: | 81632 |
| Tank Status: | Closed - Removed |
| Material Name: | Closed - Removed |
| Capacity Gallons: | 10000 |
| Install Date: | 08/01/1986 |

**DUTCHESS COUNTY COMPLEX (Continued)** **U004062572**

Date Tank Closed: 10/23/2003
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: BHYUKOWE
Last Modified: 04/14/2017

Equipment Records:

B02 - Tank External Protection - Original Sacrificial Anode
C00 - Pipe Location - No Piping
D02 - Pipe Type - Galvanized Steel
F00 - Pipe External Protection - None
H04 - Tank Leak Detection - Groundwater Well
A00 - Tank Internal Protection - None
I04 - Overfill - Product Level Gauge (A/G)
G07 - Tank Secondary Containment - Excavation Liner

Tank Number: 60MIZ
Tank ID: 179927
Tank Status: In Service
Material Name: In Service
Capacity Gallons: 10000
Install Date: 10/23/2003
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Equivalent technology
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Tightness Test Method: 00
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: IANEWSON
Last Modified: 11/22/2019

Equipment Records:

K01 - Spill Prevention - Catch Basin
L09 - Piping Leak Detection - Exempt Suction Piping
I02 - Overfill - High Level Alarm
B04 - Tank External Protection - Fiberglass
E04 - Piping Secondary Containment - Double walled UG
F00 - Pipe External Protection - None
I03 - Overfill - Automatic Shut-Off
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
A00 - Tank Internal Protection - None
D11 - Pipe Type - Flexible Piping
G04 - Tank Secondary Containment - Double-Walled (Underground)
J04 - Dispenser - On Site Heating System (Suction)

**DUTCHESS COUNTY COMPLEX (Continued)** **U004062572**

C02 - Pipe Location - Underground/On-ground

| | |
|---|---|
| Tank Number: | CHA 1 |
| Tank ID: | 79557 |
| Tank Status: | Closed - In Place |
| Material Name: | Closed - In Place |
| Capacity Gallons: | 2000 |
| Install Date: | Not reported |
| Date Tank Closed: | 09/10/2003 |
| Registered: | True |
| Tank Location: | Underground |
| Tank Type: | Steel/carbon steel |
| Material Code: | 0001 |
| Common Name of Substance: | #2 Fuel Oil (On-Site Consumption) |
| Tightness Test Method: | 20 |
| Date Test: | 12/11/2002 |
| Next Test Date: | Not reported |
| Pipe Model: | Not reported |
| Modified By: | dxliving |
| Last Modified: | 04/14/2017 |

Equipment Records:

B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
H00 - Tank Leak Detection - None
I00 - Overfill - None
L09 - Piping Leak Detection - Exempt Suction Piping
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser

| | |
|---|---|
| Tank Number: | CHA 2 |
| Tank ID: | 178708 |
| Tank Status: | In Service |
| Material Name: | In Service |
| Capacity Gallons: | 2500 |
| Install Date: | 08/18/2003 |
| Date Tank Closed: | Not reported |
| Registered: | True |
| Tank Location: | Underground |
| Tank Type: | Equivalent technology |
| Material Code: | 0001 |
| Common Name of Substance: | #2 Fuel Oil (On-Site Consumption) |
| Tightness Test Method: | - |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Pipe Model: | Not reported |
| Modified By: | IANEWSON |
| Last Modified: | 11/22/2019 |

Equipment Records:

K01 - Spill Prevention - Catch Basin

**DUTCHESS COUNTY COMPLEX (Continued)** **U004062572**

L09 - Piping Leak Detection - Exempt Suction Piping
I02 - Overfill - High Level Alarm
B04 - Tank External Protection - Fiberglass
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
E04 - Piping Secondary Containment - Double walled UG
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I03 - Overfill - Automatic Shut-Off
A00 - Tank Internal Protection - None
G04 - Tank Secondary Containment - Double-Walled (Underground)
J04 - Dispenser - On Site Heating System (Suction)
H05 - Tank Leak Detection - In-Tank System (ATG)
C02 - Pipe Location - Underground/On-ground
F04 - Pipe External Protection - Fiberglass

| | |
|---|---|
| Tank Number: | COB 1 |
| Tank ID: | 79562 |
| Tank Status: | Closed - Removed |
| Material Name: | Closed - Removed |
| Capacity Gallons: | 10000 |
| Install Date: | 12/01/1964 |
| Date Tank Closed: | 08/26/2003 |
| Registered: | True |
| Tank Location: | Underground |
| Tank Type: | Steel/carbon steel |
| Material Code: | 0001 |
| Common Name of Substance: | #2 Fuel Oil (On-Site Consumption) |
| Tightness Test Method: | 20 |
| Date Test: | 06/01/1999 |
| Next Test Date: | Not reported |
| Pipe Model: | Not reported |
| Modified By: | dxliving |
| Last Modified: | 04/14/2017 |

Equipment Records:

D00 - Pipe Type - No Piping
A01 - Tank Internal Protection - Epoxy Liner
H00 - Tank Leak Detection - None
I00 - Overfill - None
L09 - Piping Leak Detection - Exempt Suction Piping
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser

| | |
|---|---|
| Tank Number: | COB 2 |
| Tank ID: | 79563 |
| Tank Status: | Closed - Removed |
| Material Name: | Closed - Removed |
| Capacity Gallons: | 4000 |
| Install Date: | 07/01/1981 |
| Date Tank Closed: | 11/01/1997 |
| Registered: | True |
| Tank Location: | Underground |
| Tank Type: | Steel/carbon steel |

**DUTCHESS COUNTY COMPLEX (Continued)** **U004062572**

Material Code: 0008
Common Name of Substance: Diesel

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 04/14/2017

Equipment Records:

H00 - Tank Leak Detection - None
I00 - Overfill - None
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
D00 - Pipe Type - No Piping
A00 - Tank Internal Protection - None
G00 - Tank Secondary Containment - None

Tank Number: COB 3
Tank ID: 178702
Tank Status: In Service
Material Name: In Service
Capacity Gallons: 10000
Install Date: 08/26/2003
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Equivalent technology
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Tightness Test Method: -
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: IANEWSON
Last Modified: 11/22/2019

Equipment Records:

K01 - Spill Prevention - Catch Basin
L09 - Piping Leak Detection - Exempt Suction Piping
I02 - Overfill - High Level Alarm
B04 - Tank External Protection - Fiberglass
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
E04 - Piping Secondary Containment - Double walled UG
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
A00 - Tank Internal Protection - None
I04 - Overfill - Product Level Gauge (A/G)
G04 - Tank Secondary Containment - Double-Walled (Underground)
J04 - Dispenser - On Site Heating System (Suction)
F04 - Pipe External Protection - Fiberglass
C02 - Pipe Location - Underground/On-ground

Tank Number: UNKNOWN

**DUTCHESS COUNTY COMPLEX (Continued)** **U004062572**

| | |
|---|---|
| Tank ID: | 281952 |
| Tank Status: | Temporarily Out of Service |
| Material Name: | Temporarily Out of Service |
| Capacity Gallons: | 1500 |
| Install Date: | 01/01/1940 |
| Date Tank Closed: | Not reported |
| Registered: | True |
| Tank Location: | Underground |
| Tank Type: | Steel/carbon steel |
| Tightness Test Method: | - |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Pipe Model: | Not reported |
| Modified By: | IANEWSON |
| Last Modified: | 11/22/2019 |

Equipment Records:

B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
I00 - Overfill - None
A00 - Tank Internal Protection - None
K00 - Spill Prevention - None
D00 - Pipe Type - No Piping
L00 - Piping Leak Detection - None
J00 - Dispenser - None
G00 - Tank Secondary Containment - None

AST:

| | |
|---|---|
| Name: | DUTCHESS COUNTY COMPLEX |
| Address: | 22 MARKET STREET |
| City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| Region: | STATE |
| DEC Region: | 3 |
| Site Status: | Active |
| Facility Id: | 3-600871 |
| Program Type: | PBS |
| UTM X: | 589054.42863 |
| UTM Y: | 4617503.71926 |
| Expiration Date: | 01/16/2021 |
| Site Type: | Municipality (Incl. Waste Water Treatment Plants, Utilities, Swimming Pools, etc.) |

Affiliation Records:

| | |
|---|---|
| Site Id: | 34167 |
| Affiliation Type: | Facility Owner |
| Company Name: | DUTCHESS COUNTY DPW |
| Contact Type: | COMMISSIONER OF PUBLIC WORKS |
| Contact Name: | ROBERT BALKIND, PE |
| Address1: | 626 DUTCHESS TURNPIKE |
| Address2: | Not reported |
| City: | POUGHKEEPSIE |
| State: | NY |
| Zip Code: | 12603 |
| Country Code: | 001 |
| Phone: | (845) 486-2121 |
| EMail: | Not reported |

**DUTCHESS COUNTY COMPLEX (Continued)** **U004062572**

| | |
|---|---|
| Fax Number: | Not reported |
| Modified By: | AAVITARI |
| Date Last Modified: | 2019-10-30 |

| | |
|---|---|
| Site Id: | 34167 |
| Affiliation Type: | Mail Contact |
| Company Name: | COMMISSIONER OF PUBLIC WORKS |
| Contact Type: | Not reported |
| Contact Name: | ROBERT BALKIND, PE |
| Address1: | DUTCHESS COUNTY DPW |
| Address2: | 626 DUTCHESS TURNPIKE |
| City: | POUGHKEEPSIE |
| State: | NY |
| Zip Code: | 12603 |
| Country Code: | 001 |
| Phone: | (845) 486-2121 |
| EMail: | RBALKIND@DUTCHESSNY.GOV |
| Fax Number: | Not reported |
| Modified By: | CLJOHNSO |
| Date Last Modified: | 2017-03-30 |

| | |
|---|---|
| Site Id: | 34167 |
| Affiliation Type: | Facility Operator |
| Company Name: | DUTCHESS COUNTY COMPLEX |
| Contact Type: | Not reported |
| Contact Name: | JOHN J SCANDURRA |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (845) 486-2121 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | FDBONDI |
| Date Last Modified: | 2018-04-10 |

| | |
|---|---|
| Site Id: | 34167 |
| Affiliation Type: | Emergency Contact |
| Company Name: | DUTCHESS COUNTY DPW |
| Contact Type: | Not reported |
| Contact Name: | RADIO DISPATCH |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 999 |
| Phone: | (845) 486-2900 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | FJKELLY |
| Date Last Modified: | 2013-11-08 |

Tank Info:

**DUTCHESS COUNTY COMPLEX (Continued)** **U004062572**

| | |
|---|---|
| Tank Number: | 228M 1 |
| Tank Id: | 79564 |
| Material Code: | 0001 |
| Common Name of Substance: | #2 Fuel Oil (On-Site Consumption) |

Equipment Records:

B00 - Tank External Protection - None
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
I00 - Overfill - None
L09 - Piping Leak Detection - Exempt Suction Piping
E00 - Piping Secondary Containment - None
K00 - Spill Prevention - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
A00 - Tank Internal Protection - None
J04 - Dispenser - On Site Heating System (Suction)
C01 - Pipe Location - Aboveground
G00 - Tank Secondary Containment - None

| | |
|---|---|
| Tank Location: | Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated above grade or tank pad, allowing visual inspection. |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | Closed - Removed |
| Pipe Model: | Not reported |
| Install Date: | 09/20/2003 |
| Capacity Gallons: | 550 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | 11/23/2015 |
| Register: | True |
| Modified By: | BHYUKOWE |
| Last Modified: | 04/14/2017 |
| Material Name: | #2 fuel oil (on-site consumption) |

| | |
|---|---|
| Tank Number: | 228M 2 |
| Tank Id: | 79565 |
| Material Code: | 0001 |
| Common Name of Substance: | #2 Fuel Oil (On-Site Consumption) |

Equipment Records:

B00 - Tank External Protection - None
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
K00 - Spill Prevention - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
I00 - Overfill - None
L09 - Piping Leak Detection - Exempt Suction Piping
C01 - Pipe Location - Aboveground
J04 - Dispenser - On Site Heating System (Suction)
G00 - Tank Secondary Containment - None

| | |
|---|---|
| Tank Location: | Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated above grade or tank pad, allowing visual inspection. |
| Tank Type: | Steel/Carbon Steel/Iron |

**DUTCHESS COUNTY COMPLEX (Continued)** **U004062572**

| | |
|---|---|
| Tank Status: | Closed - Removed |
| Pipe Model: | Not reported |
| Install Date: | 09/20/2003 |
| Capacity Gallons: | 0 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | 05/05/2016 |
| Register: | True |
| Modified By: | BHYUKOWE |
| Last Modified: | 04/14/2017 |
| Material Name: | #2 fuel oil (on-site consumption) |
| Tank Number: | 50MEMGEN |
| Tank Id: | 251935 |

Equipment Records:

F00 - Pipe External Protection - None
C00 - Pipe Location - No Piping
E00 - Piping Secondary Containment - None
K00 - Spill Prevention - None
G10 - Tank Secondary Containment - Impervious Underlayment
A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
J00 - Dispenser - None
I04 - Overfill - Product Level Gauge (A/G)
L00 - Piping Leak Detection - None
D00 - Pipe Type - No Piping
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)
B05 - Tank External Protection - Jacketed

| | |
|---|---|
| Tank Location: | Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated above grade or tank pad, allowing visual inspection. |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | In Service |
| Pipe Model: | Not reported |
| Install Date: | 05/01/1996 |
| Capacity Gallons: | 275 |
| Tightness Test Method: | - |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | Not reported |
| Register: | True |
| Modified By: | IANEWSON |
| Last Modified: | 11/22/2019 |
| Material Name: | diesel |
| Tank Number: | CH1 |
| Tank Id: | 79558 |
| Material Code: | 0008 |
| Common Name of Substance: | Diesel |

Equipment Records:

H00 - Tank Leak Detection - None
I00 - Overfill - None
L09 - Piping Leak Detection - Exempt Suction Piping

**DUTCHESS COUNTY COMPLEX (Continued)** **U004062572**

E00 - Piping Secondary Containment - None
B00 - Tank External Protection - None
F00 - Pipe External Protection - None
C01 - Pipe Location - Aboveground
K00 - Spill Prevention - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser

| | |
|---|---|
| Tank Location: | Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated above grade or tank pad, allowing visual inspection. |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | In Service |
| Pipe Model: | Not reported |
| Install Date: | 01/01/1989 |
| Capacity Gallons: | 150 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | Not reported |
| Register: | True |
| Modified By: | IANEWSON |
| Last Modified: | 11/22/2019 |
| Material Name: | diesel |
| Tank Number: | CH2 |
| Tank Id: | 79559 |
| Material Code: | 0001 |
| Common Name of Substance: | #2 Fuel Oil (On-Site Consumption) |

Equipment Records:

G01 - Tank Secondary Containment - Diking (Aboveground)
E00 - Piping Secondary Containment - None
I00 - Overfill - None
L09 - Piping Leak Detection - Exempt Suction Piping
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
K00 - Spill Prevention - None
B00 - Tank External Protection - None
F00 - Pipe External Protection - None
C03 - Pipe Location - Aboveground/Underground Combination
J02 - Dispenser - Suction Dispenser

| | |
|---|---|
| Tank Location: | Aboveground in subterranean vault with access for inspections..... Tank in subterranean vault but accessible for inspection. |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | Closed - Removed |
| Pipe Model: | Not reported |
| Install Date: | 09/15/2003 |
| Capacity Gallons: | 4000 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | 08/22/2014 |
| Register: | True |
| Modified By: | BHYUKOWE |

**DUTCHESS COUNTY COMPLEX (Continued)** **U004062572**

Last Modified: 04/14/2017
Material Name: #4 fuel oil (on-site consumption)

Tank Number: CH3A
Tank Id: 79560
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:
B00 - Tank External Protection - None
F00 - Pipe External Protection - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
I00 - Overfill - None
L09 - Piping Leak Detection - Exempt Suction Piping
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
K00 - Spill Prevention - None
J04 - Dispenser - On Site Heating System (Suction)
C01 - Pipe Location - Aboveground
G00 - Tank Secondary Containment - None

Tank Location: Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated above grade or tank pad, allowing visual inspection.
Tank Type: Steel/Carbon Steel/Iron
Tank Status: In Service
Pipe Model: Not reported
Install Date: 09/16/2003
Capacity Gallons: 550
Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Date Tank Closed: Not reported
Register: True
Modified By: IANEWSON
Last Modified: 11/22/2019
Material Name: #2 fuel oil (on-site consumption)

Tank Number: CH3B
Tank Id: 79561
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
I00 - Overfill - None
L09 - Piping Leak Detection - Exempt Suction Piping
B00 - Tank External Protection - None
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
K00 - Spill Prevention - None
C01 - Pipe Location - Aboveground
J04 - Dispenser - On Site Heating System (Suction)

**DUTCHESS COUNTY COMPLEX (Continued)** **U004062572**

G00 - Tank Secondary Containment - None
Tank Location: Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated above grade or tank pad, allowing visual inspection.
Tank Type: Steel/Carbon Steel/Iron
Tank Status: In Service
Pipe Model: Not reported
Install Date: 09/01/2003
Capacity Gallons: 0
Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Date Tank Closed: Not reported
Register: True
Modified By: IANEWSON
Last Modified: 11/22/2019
Material Name: #2 fuel oil (on-site consumption)

Tank Number: CJB1
Tank Id: 261729

Equipment Records:

A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
D01 - Pipe Type - Steel/Carbon Steel/Iron
G10 - Tank Secondary Containment - Impervious Underlayment
I03 - Overfill - Automatic Shut-Off
C01 - Pipe Location - Aboveground
I04 - Overfill - Product Level Gauge (A/G)
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
K01 - Spill Prevention - Catch Basin
L09 - Piping Leak Detection - Exempt Suction Piping
F00 - Pipe External Protection - None
J04 - Dispenser - On Site Heating System (Suction)
Tank Location: Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated above grade or tank pad, allowing visual inspection.
Tank Type: Steel/Carbon Steel/Iron
Tank Status: In Service
Pipe Model: Not reported
Install Date: 05/05/2016
Capacity Gallons: 660
Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Date Tank Closed: Not reported
Register: True
Modified By: IANEWSON
Last Modified: 11/22/2019
Material Name: #2 fuel oil (on-site consumption)

Tank Number: CJB2
Tank Id: 261730

Equipment Records:

E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None

**DUTCHESS COUNTY COMPLEX (Continued)** **U004062572**

K01 - Spill Prevention - Catch Basin
L09 - Piping Leak Detection - Exempt Suction Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
D01 - Pipe Type - Steel/Carbon Steel/Iron
G10 - Tank Secondary Containment - Impervious Underlayment
I03 - Overfill - Automatic Shut-Off
J04 - Dispenser - On Site Heating System (Suction)
C01 - Pipe Location - Aboveground
I04 - Overfill - Product Level Gauge (A/G)

| | |
|---|---|
| Tank Location: | Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated above grade or tank pad, allowing visual inspection. |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | In Service |
| Pipe Model: | Not reported |
| Install Date: | 05/05/2016 |
| Capacity Gallons: | 0 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | Not reported |
| Register: | True |
| Modified By: | IANEWSON |
| Last Modified: | 11/22/2019 |
| Material Name: | #2 fuel oil (on-site consumption) |
| Tank Number: | COBFP60 |
| Tank Id: | 251934 |

Equipment Records:

F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
D01 - Pipe Type - Steel/Carbon Steel/Iron
K00 - Spill Prevention - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
L09 - Piping Leak Detection - Exempt Suction Piping
C01 - Pipe Location - Aboveground
I04 - Overfill - Product Level Gauge (A/G)
J00 - Dispenser - None
G00 - Tank Secondary Containment - None

| | |
|---|---|
| Tank Location: | Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated above grade or tank pad, allowing visual inspection. |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | In Service |
| Pipe Model: | Not reported |
| Install Date: | 02/01/2012 |
| Capacity Gallons: | 125 |
| Tightness Test Method: | - |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | Not reported |
| Register: | True |
| Modified By: | IANEWSON |
| Last Modified: | 11/22/2019 |

**DUTCHESS COUNTY COMPLEX (Continued)** **U004062572**

Material Name: diesel

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**K53** **D.C.DEPT.OF SOC.SER.** **NY LTANKS** **S103940781**
**SE** **16 MARKET ST** **N/A**
**1/8-1/4** **POUGHKEEPSIE, NY**
**0.225 mi.**
**1189 ft.** **Site 6 of 6 in cluster K**

**Relative:**
**Higher**

**Actual:**
**173 ft.**

LTANKS:

| | |
|---|---|
| Name: | D.C.DEPT.OF SOC.SER. |
| Address: | 16 MARKET ST |
| City,State,Zip: | POUGHKEEPSIE, NY |
| Spill Number/Closed Date: | 9900170 / 1999-04-14 |
| Facility ID: | 9900170 |
| Site ID: | 85829 |
| Spill Date: | 1999-04-05 |
| Spill Cause: | Tank Test Failure |
| Spill Source: | Institutional, Educational, Gov., Other |
| Spill Class: | C3 |
| Cleanup Ceased: | Not reported |
| SWIS: | 1446 |
| Investigator: | VPMCCABE |
| Referred To: | Not reported |
| Reported to Dept: | 1999-04-05 |
| CID: | 281 |
| Water Affected: | Not reported |
| Spill Notifier: | Tank Tester |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| Meets Standard: | True |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 1999-04-05 |
| Spill Record Last Update: | 2004-08-11 |
| Spiller Name: | JOE CAREY |
| Spiller Company: | DUTCHESS CO DPW |
| Spiller Address: | 22 MARKET ST |
| Spiller County: | 001 |
| Spiller Contact: | JOE CAREY |
| Spiller Phone: | (914) 486-2121 |
| Spiller Extention: | Not reported |
| DEC Region: | 3 |
| DER Facility ID: | 78791 |
| DEC Memo: | "Prior to Sept, 2004 data translation this spill Lead_DEC Field was MCCABE 4/10/99 SYSTEM RESTESTED AND PASSED AFTER LINES REPLACED. NFA This spill was updated 08/11/2004 from info in V. McCabe's data files. 'Date:' = 04/05/99, 'Phone' = 4/14/1999, 'Site Insp' = N/A. " |
| Remarks: | "TANK TEST FAILURE AT ABOVE LOCATION. DUTCHESS CO ADVISED OF RESULTS. TANK TO BE UNCOVERED,ISOLATED AND RETESTED ON 4/10/99. NO CALL BACK REQUESTED." |

All TTF:

| | |
|---|---|
| Facility ID: | 9900170 |
| Spill Number: | 9900170 |
| Spill Tank Test: | 1547039 |
| Site ID: | 85829 |
| Tank Number: | PP2 |
| Tank Size: | 10000 |

**D.C.DEPT.OF SOC.SER. (Continued)** **S103940781**

| | |
|---|---|
| Material: | 0001 |
| EPA UST: | Not reported |
| UST: | Not reported |
| Cause: | Not reported |
| Source: | Not reported |
| Test Method: | 20 |
| Test Method 2: | USTest 2000/P/LL plus USTest 2000/U |
| Leak Rate: | -.09 |
| Gross Fail: | Not reported |
| Modified By: | Spills |
| Last Modified Date: | Not reported |

All Materials:

| | |
|---|---|
| Site ID: | 85829 |
| Operable Unit ID: | 1075028 |
| Operable Unit: | 01 |
| Material ID: | 307313 |
| Material Code: | 0001A |
| Material Name: | #2 fuel oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | .00 |
| Units: | G |
| Recovered: | .00 |
| Oxygenate: | Not reported |

---

**54**
**SW**
**1/8-1/4**
**0.231 mi.**
**1221 ft.**

**NYSDOT BIN 1005290** **RCRA NonGen / NLR** **1000693721**
**RTE 44 OVER RTE 9** **NYD986998391**
**POUGHKEEPSIE, NY 12601**

**Relative:**
**Lower**

**Actual:**
**81 ft.**

RCRA NonGen / NLR:

| | |
|---|---|
| Date Form Received by Agency: | 2007-01-01 00:00:00.0 |
| Handler Name: | NYSDOT BIN 1005290 |
| Handler Address: | RTE 44 OVER RTE 9 |
| Handler City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| EPA ID: | NYD986998391 |
| Contact Name: | RICHARD MANNS |
| Contact Address: | BURNETT BLVD |
| Contact City,State,Zip: | POUGHKEEPSIE, NY 12603 |
| Contact Telephone: | 914-431-5743 |
| Contact Fax: | Not reported |
| Contact Email: | Not reported |
| Contact Title: | Not reported |
| EPA Region: | 02 |
| Land Type: | State |
| Federal Waste Generator Description: | Not a generator, verified |
| Non-Notifier: | Not reported |
| Biennial Report Cycle: | Not reported |
| Accessibility: | Not reported |
| Active Site Indicator: | Not reported |
| State District Owner: | NY |
| State District: | NYSDEC R3 |
| Mailing Address: | BURNETT BLVD |
| Mailing City,State,Zip: | POUGHKEEPSIE, NY 12603 |

**NYSDOT BIN 1005290 (Continued)** **1000693721**

| | |
|---|---|
| Owner Name: | NYSDOT |
| Owner Type: | State |
| Operator Name: | NYSDOT |
| Operator Type: | State |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site Fed-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site Converter Treatment storage and Disposal Facility: | Not reported |
| Active Site State-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | NN |
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 2015-04-14 00:00:00.0 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | Not reported |

**NYSDOT BIN 1005290 (Continued)** **1000693721**

Manifest Broker: Not reported
Sub-Part P Indicator: Not reported

Hazardous Waste Summary:
Waste Code: D000
Waste Description: Not Defined

Waste Code: D008
Waste Description: LEAD

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: NYSDOT
Legal Status: State
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, NY 99999
Owner/Operator Telephone: 212-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: NYSDOT
Legal Status: State
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, NY 99999
Owner/Operator Telephone: 212-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: NYSDOT
Legal Status: State
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, NY 99999
Owner/Operator Telephone: 212-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 2006-01-01 00:00:00.0
Handler Name: NYSDOT BIN 1005290
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No

**NYSDOT BIN 1005290 (Continued)** **1000693721**

| | |
|---|---|
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | No |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |
| Receive Date: | 2007-01-01 00:00:00.0 |
| Handler Name: | NYSDOT BIN 1005290 |
| Federal Waste Generator Description: | Not a generator, verified |
| State District Owner: | NY |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | Yes |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |
| Receive Date: | 1992-04-13 00:00:00.0 |
| Handler Name: | NYSDOT BIN 1005290 |
| Federal Waste Generator Description: | Not a generator, verified |
| State District Owner: | NY |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | No |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |

List of NAICS Codes and Descriptions:

No NAICS Codes Found:

Facility Has Received Notices of Violation:

No Violations Found:

Evaluation Action Summary:

No Evaluations Found:

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**M55** **MOBIL OIL CORP SS #D33** **RCRA NonGen / NLR** **1004758657**
**ENE** **55 WASHINGTON ST** **NY MANIFEST** **NYD987014776**
**1/8-1/4** **POUGHKEEPSIE, NY 12601**
**0.237 mi.**
**1249 ft.** **Site 1 of 2 in cluster M**

**Relative:** **Higher**
**Actual:** **175 ft.**

RCRA NonGen / NLR:

| | |
|---|---|
| Date Form Received by Agency: | 2011-07-06 00:00:00.0 |
| Handler Name: | MOBIL OIL CORP SS #D33 |
| Handler Address: | 55 WASHINGTON ST |
| Handler City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| EPA ID: | NYD987014776 |
| Contact Name: | DONNA HYMES |

**MOBIL OIL CORP SS #D33 (Continued)** **1004758657**

| | |
|---|---|
| Contact Address: | E WASHINGTON ST |
| Contact City,State,Zip: | WEST CHESTER, PA 19380 |
| Contact Telephone: | 610-430-8151 |
| Contact Fax: | 610-430-8016 |
| Contact Email: | WWW.JD2ENV.COM |
| Contact Title: | EXXON/MOBIL HAZ WASTE COORDINATOR |
| EPA Region: | 02 |
| Land Type: | Private |
| Federal Waste Generator Description: | Not a generator, verified |
| Non-Notifier: | Not reported |
| Biennial Report Cycle: | Not reported |
| Accessibility: | Not reported |
| Active Site Indicator: | Not reported |
| State District Owner: | NY |
| State District: | NYSDEC R3 |
| Mailing Address: | GALLOWS RD 7W109 |
| Mailing City,State,Zip: | FAIRFAX, NY 22037-0001 |
| Owner Name: | Not reported |
| Owner Type: | Not reported |
| Operator Name: | Not reported |
| Operator Type: | Not reported |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site Fed-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site Converter Treatment storage and Disposal Facility: | Not reported |
| Active Site State-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | NN |
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |

**MOBIL OIL CORP SS #D33 (Continued)** **1004758657**

| | |
|---|---|
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 2015-04-14 00:00:00.0 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | Not reported |
| Manifest Broker: | Not reported |
| Sub-Part P Indicator: | Not reported |

Hazardous Waste Summary:

| | |
|---|---|
| Waste Code: | D000 |
| Waste Description: | Not Defined |
| Waste Code: | D001 |
| Waste Description: | IGNITABLE WASTE |
| Waste Code: | D018 |
| Waste Description: | BENZENE |

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | MOBIL OIL CORP |
| Legal Status: | Private |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 3225 GALLOWS RD |
| Owner/Operator City,State,Zip: | FAIRFAX, VA 22037-0001 |
| Owner/Operator Telephone: | 703-849-3330 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| Owner/Operator Indicator: | PO |
| Owner/Operator Name: | MOBIL OIL CORP |
| Legal Status: | Private |
| Date Became Current: | 1992-09-21 00:00:00. |
| Date Ended Current: | 2011-07-06 00:00:00. |
| Owner/Operator Address: | 3225 GALLOWS RD |
| Owner/Operator City,State,Zip: | FAIRFAX, VA 22037-0001 |
| Owner/Operator Telephone: | 703-849-3330 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

**MOBIL OIL CORP SS #D33 (Continued)** **1004758657**

| | |
|---|---|
| Owner/Operator Indicator: | PP |
| Owner/Operator Name: | MOBIL OIL CORP |
| Legal Status: | Private |
| Date Became Current: | 1992-09-21 00:00:00. |
| Date Ended Current: | 2011-07-06 00:00:00. |
| Owner/Operator Address: | 3225 GALLOWS RD |
| Owner/Operator City,State,Zip: | FAIRFAX, VA 22037-0001 |
| Owner/Operator Telephone: | 703-849-3330 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | MOBIL OIL CORP |
| Legal Status: | Private |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 3225 GALLOWS RD |
| Owner/Operator City,State,Zip: | FAIRFAX, VA 22037-0001 |
| Owner/Operator Telephone: | 703-849-3330 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | MOBIL OIL CORP |
| Legal Status: | Private |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 3225 GALLOWS RD |
| Owner/Operator City,State,Zip: | FAIRFAX, VA 22037-0001 |
| Owner/Operator Telephone: | 703-849-3330 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

Historic Generators:

| | |
|---|---|
| Receive Date: | 2006-01-01 00:00:00.0 |
| Handler Name: | MOBIL OIL CORP SS #D33 |
| Federal Waste Generator Description: | Not a generator, verified |
| State District Owner: | NY |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | No |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |

| | |
|---|---|
| Receive Date: | 2007-01-01 00:00:00.0 |
| Handler Name: | MOBIL OIL CORP SS #D33 |
| Federal Waste Generator Description: | Not a generator, verified |
| State District Owner: | NY |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |

**MOBIL OIL CORP SS #D33 (Continued)** **1004758657**

| | |
|---|---|
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | No |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |

| | |
|---|---|
| Receive Date: | 2011-07-06 00:00:00.0 |
| Handler Name: | MOBIL OIL CORP SS #D33 |
| Federal Waste Generator Description: | Not a generator, verified |
| State District Owner: | NY |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | Yes |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |

| | |
|---|---|
| Receive Date: | 1992-09-21 00:00:00.0 |
| Handler Name: | MOBIL OIL CORP SS #D33 |
| Federal Waste Generator Description: | Conditionally Exempt Small Quantity Generator |
| State District Owner: | NY |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | No |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |

List of NAICS Codes and Descriptions:

No NAICS Codes Found:

Facility Has Received Notices of Violation:

No Violations Found:

Evaluation Action Summary:

No Evaluations Found:

NY MANIFEST:

| | |
|---|---|
| Name: | MOBIL |
| Address: | 55 WASHINGTON ST |
| City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| Country: | USA |
| EPA ID: | NYD987014776 |
| Facility Status: | Not reported |
| Location Address 1: | 55 WASHINGTONST |
| Code: | BP |
| Location Address 2: | Not reported |
| Total Tanks: | Not reported |
| Location City: | POUGHKEEPSIE |

**MOBIL OIL CORP SS #D33 (Continued)** **1004758657**

| | |
|---|---|
| Location State: | NY |
| Location Zip: | 12601 |
| Location Zip 4: | Not reported |

NY MANIFEST:

| | |
|---|---|
| EPAID: | NYD987014776 |
| Mailing Name: | MOBIL |
| Mailing Contact: | ORLAN HURTT |
| Mailing Address 1: | 55 WASHINGTON ST |
| Mailing Address 2: | Not reported |
| Mailing City: | POUGHKEEPSIE |
| Mailing State: | NY |
| Mailing Zip: | 12601 |
| Mailing Zip 4: | Not reported |
| Mailing Country: | USA |
| Mailing Phone: | 9144521002 |

NY MANIFEST:

| | |
|---|---|
| Document ID: | NYB5411592 |
| Manifest Status: | C |
| seq: | Not reported |
| Year: | 1993 |
| Trans1 State ID: | PD9938 |
| Trans2 State ID: | Not reported |
| Generator Ship Date: | 01/14/1993 |
| Trans1 Recv Date: | 01/14/1993 |
| Trans2 Recv Date: | / / |
| TSD Site Recv Date: | 01/14/1993 |
| Part A Recv Date: | 02/03/1993 |
| Part B Recv Date: | 01/26/1993 |
| Generator EPA ID: | NYD987014776 |
| Trans1 EPA ID: | NYD082785429 |
| Trans2 EPA ID: | Not reported |
| TSDF ID 1: | NYD082785429 |
| TSDF ID 2: | Not reported |
| Manifest Tracking Number: | Not reported |
| Import Indicator: | Not reported |
| Export Indicator: | Not reported |
| Discr Quantity Indicator: | Not reported |
| Discr Type Indicator: | Not reported |
| Discr Residue Indicator: | Not reported |
| Discr Partial Reject Indicator: | Not reported |
| Discr Full Reject Indicator: | Not reported |
| Manifest Ref Number: | Not reported |
| Alt Facility RCRA ID: | Not reported |
| Alt Facility Sign Date: | Not reported |
| MGMT Method Type Code: | Not reported |
| Waste Code: | D008 - LEAD 5.0 MG/L TCLP |
| Waste Code: | Not reported |
| Waste Code: | Not reported |
| Waste Code: | Not reported |
| Waste Code: | Not reported |
| Waste Code: | Not reported |
| Quantity: | 00030 |
| Units: | G - Gallons (liquids only)* (8.3 pounds) |
| Number of Containers: | 002 |
| Container Type: | DM - Metal drums, barrels |

**MOBIL OIL CORP SS #D33 (Continued)** **1004758657**

Handling Method: L Landfill.
Specific Gravity: 100

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**M56** **MOBIL** **NY LTANKS** **U003080377**
**ENE** **55 WASHINGTON STREET** **NY UST** **N/A**
**1/8-1/4** **POUGHKEEPSIE, NY 12601** **NY AST**
**0.237 mi.** **NY Spills**
**1249 ft.** **Site 2 of 2 in cluster M**

**Relative:** **Higher**
**Actual:** **175 ft.**

LTANKS:

| | |
|---|---|
| Name: | MOBIL S/S 06-D33 |
| Address: | 55 WASHINGTON STREET |
| City,State,Zip: | POUGHKEEPSIE, NY |
| Spill Number/Closed Date: | 9213330 / 1993-04-12 |
| Facility ID: | 9213330 |
| Site ID: | 117252 |
| Spill Date: | 1993-03-02 |
| Spill Cause: | Tank Test Failure |
| Spill Source: | Gasoline Station or other PBS Facility |
| Spill Class: | C4 |
| Cleanup Ceased: | 1993-04-12 |
| SWIS: | 1446 |
| Investigator: | WXWADSWO |
| Referred To: | Not reported |
| Reported to Dept: | 1992-03-03 |
| CID: | Not reported |
| Water Affected: | Not reported |
| Spill Notifier: | Tank Tester |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| Meets Standard: | False |
| UST Involvement: | True |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 1993-03-03 |
| Spill Record Last Update: | 1993-05-10 |
| Spiller Name: | Not reported |
| Spiller Company: | SAME |
| Spiller Address: | Not reported |
| Spiller County: | 999 |
| Spiller Contact: | Not reported |
| Spiller Phone: | Not reported |
| Spiller Extention: | Not reported |
| DEC Region: | 3 |
| DER Facility ID: | 102006 |
| DEC Memo: | "Prior to Sept, 2004 data translation this spill Lead_DEC Field was WADSWORTH 09/27/95: This is additional information about material spilled from the translation of the old spill file: TANK TEST." |
| Remarks: | "WILL REPAIR IN MORNING NO CALL BACK THERE WAS NO LEAK RATE" |

All TTF:

| | |
|---|---|
| Facility ID: | 9213330 |
| Spill Number: | 9213330 |
| Spill Tank Test: | 1541226 |
| Site ID: | 117252 |
| Tank Number: | Not reported |
| Tank Size: | 0 |
| Material: | 0009 |

**MOBIL (Continued)** **U003080377**

| | |
|---|---|
| EPA UST: | Not reported |
| UST: | Not reported |
| Cause: | Not reported |
| Source: | Not reported |
| Test Method: | 00 |
| Test Method 2: | Unknown |
| Leak Rate: | .00 |
| Gross Fail: | Not reported |
| Modified By: | Spills |
| Last Modified Date: | Not reported |

All Materials:

| | |
|---|---|
| Site ID: | 117252 |
| Operable Unit ID: | 980506 |
| Operable Unit: | 01 |
| Material ID: | 403126 |
| Material Code: | 0009 |
| Material Name: | gasoline |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | .00 |
| Units: | Not reported |
| Recovered: | .00 |
| Oxygenate: | Not reported |

UST:

| | |
|---|---|
| Name: | MOBIL |
| Address: | 55 WASHINGTON STREET |
| City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| Id/Status: | 3-047945 / Active |
| Program Type: | PBS |
| Region: | STATE |
| DEC Region: | 3 |
| Expiration Date: | 09/23/2021 |
| UTM X: | 589150.73096 |
| UTM Y: | 4617846.63081 |
| Site Type: | Retail Gasoline Sales |

Affiliation Records:

| | |
|---|---|
| Site Id: | 31745 |
| Affiliation Type: | Mail Contact |
| Company Name: | CPD NY ENERGY CORP. |
| Contact Type: | Not reported |
| Contact Name: | COMPLIANCE DEPARTMENT |
| Address1: | 536 MAIN STREET |
| Address2: | Not reported |
| City: | NEW PALTZ |
| State: | NY |
| Zip Code: | 12561 |
| Country Code: | 001 |
| Phone: | (845) 256-0162 |
| EMail: | COMPLIANCE@CPDGROUP.COM |
| Fax Number: | Not reported |
| Modified By: | AAVITARI |
| Date Last Modified: | 2019-02-26 |

**MOBIL (Continued)** **U003080377**

| | |
|---|---|
| Site Id: | 31745 |
| Affiliation Type: | Facility Operator |
| Company Name: | MOBIL |
| Contact Type: | Not reported |
| Contact Name: | MANISH SHAH |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (845) 473-9388 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | EROBRECH |
| Date Last Modified: | 2017-02-09 |

| | |
|---|---|
| Site Id: | 31745 |
| Affiliation Type: | Emergency Contact |
| Company Name: | GTY NY LEASING, INC. |
| Contact Type: | Not reported |
| Contact Name: | COMPLIANCE DEPARTMENT |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 999 |
| Phone: | (845) 256-5020 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | BHYUKOWE |
| Date Last Modified: | 2016-08-22 |

| | |
|---|---|
| Site Id: | 31745 |
| Affiliation Type: | Facility Owner |
| Company Name: | GTY NY LEASING, INC. |
| Contact Type: | ENV. COMPLIANCE MANAGER |
| Contact Name: | JOE MCCORMICK |
| Address1: | 125 JERICHO TPKE. |
| Address2: | Not reported |
| City: | JERICHO |
| State: | NY |
| Zip Code: | 11753 |
| Country Code: | 001 |
| Phone: | (516) 478-5451 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | BHYUKOWE |
| Date Last Modified: | 2016-10-18 |

Tank Info:

| | |
|---|---|
| Tank Number: | 1 |
| Tank ID: | 69505 |
| Tank Status: | In Service |
| Material Name: | In Service |

**MOBIL (Continued)** **U003080377**

| | |
|---|---|
| Capacity Gallons: | 550 |
| Install Date: | 12/01/1984 |
| Date Tank Closed: | Not reported |
| Registered: | True |
| Tank Location: | Underground |
| Tank Type: | Equivalent technology |
| Material Code: | 0001 |
| Common Name of Substance: | #2 Fuel Oil (On-Site Consumption) |
| Tightness Test Method: | 21 |
| Date Test: | 09/20/2010 |
| Next Test Date: | Not reported |
| Pipe Model: | Not reported |
| Modified By: | BHYUKOWE |
| Last Modified: | 02/01/2018 |

Equipment Records:

A00 - Tank Internal Protection - None
E04 - Piping Secondary Containment - Double walled UG
F00 - Pipe External Protection - None
K01 - Spill Prevention - Catch Basin
L09 - Piping Leak Detection - Exempt Suction Piping
I02 - Overfill - High Level Alarm
B04 - Tank External Protection - Fiberglass
H05 - Tank Leak Detection - In-Tank System (ATG)
D11 - Pipe Type - Flexible Piping
J02 - Dispenser - Suction Dispenser
G00 - Tank Secondary Containment - None
C03 - Pipe Location - Aboveground/Underground Combination

| | |
|---|---|
| Tank Number: | 2 |
| Tank ID: | 69506 |
| Tank Status: | In Service |
| Material Name: | In Service |
| Capacity Gallons: | 10000 |
| Install Date: | 12/01/1980 |
| Date Tank Closed: | Not reported |
| Registered: | True |
| Tank Location: | Underground |
| Tank Type: | Equivalent technology |
| Material Code: | 2712 |
| Common Name of Substance: | Gasoline/Ethanol |
| Tightness Test Method: | 21 |
| Date Test: | 04/08/2008 |
| Next Test Date: | Not reported |
| Pipe Model: | Not reported |
| Modified By: | TankSys |
| Last Modified: | 04/27/2020 |

Equipment Records:

A00 - Tank Internal Protection - None
L99 - Piping Leak Detection - Other
I03 - Overfill - Automatic Shut-Off
B04 - Tank External Protection - Fiberglass
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
I02 - Overfill - High Level Alarm

**MOBIL (Continued)** **U003080377**

K01 - Spill Prevention - Catch Basin
E04 - Piping Secondary Containment - Double walled UG
F00 - Pipe External Protection - None
J01 - Dispenser - Pressurized Dispenser
H05 - Tank Leak Detection - In-Tank System (ATG)
L07 - Piping Leak Detection - Pressurized Piping Leak Detector
C02 - Pipe Location - Underground/On-ground
G00 - Tank Secondary Containment - None

| | |
|---|---|
| Tank Number: | 3 |
| Tank ID: | 69507 |
| Tank Status: | In Service |
| Material Name: | In Service |
| Capacity Gallons: | 8000 |
| Install Date: | 12/01/1980 |
| Date Tank Closed: | Not reported |
| Registered: | True |
| Tank Location: | Underground |
| Tank Type: | Equivalent technology |
| Material Code: | 2712 |
| Common Name of Substance: | Gasoline/Ethanol |
| Tightness Test Method: | 21 |
| Date Test: | 04/08/2008 |
| Next Test Date: | Not reported |
| Pipe Model: | Not reported |
| Modified By: | TankSys |
| Last Modified: | 04/27/2020 |

Equipment Records:

E04 - Piping Secondary Containment - Double walled UG
F00 - Pipe External Protection - None
J01 - Dispenser - Pressurized Dispenser
B04 - Tank External Protection - Fiberglass
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
I02 - Overfill - High Level Alarm
K01 - Spill Prevention - Catch Basin
A00 - Tank Internal Protection - None
I03 - Overfill - Automatic Shut-Off
L99 - Piping Leak Detection - Other
L07 - Piping Leak Detection - Pressurized Piping Leak Detector
H05 - Tank Leak Detection - In-Tank System (ATG)
C02 - Pipe Location - Underground/On-ground
G00 - Tank Secondary Containment - None

| | |
|---|---|
| Tank Number: | 4 |
| Tank ID: | 69508 |
| Tank Status: | In Service |
| Material Name: | In Service |
| Capacity Gallons: | 6000 |
| Install Date: | 12/01/1980 |
| Date Tank Closed: | Not reported |
| Registered: | True |
| Tank Location: | Underground |
| Tank Type: | Equivalent technology |
| Material Code: | 0008 |

**MOBIL (Continued)** **U003080377**

Common Name of Substance: Diesel

Tightness Test Method: 21
Date Test: 04/08/2008
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TankSys
Last Modified: 04/27/2020

Equipment Records:

A00 - Tank Internal Protection - None
L99 - Piping Leak Detection - Other
I03 - Overfill - Automatic Shut-Off
B04 - Tank External Protection - Fiberglass
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
I02 - Overfill - High Level Alarm
K01 - Spill Prevention - Catch Basin
E04 - Piping Secondary Containment - Double walled UG
F00 - Pipe External Protection - None
J01 - Dispenser - Pressurized Dispenser
H05 - Tank Leak Detection - In-Tank System (ATG)
L07 - Piping Leak Detection - Pressurized Piping Leak Detector
C02 - Pipe Location - Underground/On-ground
G00 - Tank Secondary Containment - None

AST:

Name: MOBIL
Address: 55 WASHINGTON STREET
City,State,Zip: POUGHKEEPSIE, NY 12601
Region: STATE
DEC Region: 3
Site Status: Active
Facility Id: 3-047945
Program Type: PBS
UTM X: 589150.73096
UTM Y: 4617846.63081
Expiration Date: 09/23/2021
Site Type: Retail Gasoline Sales

Affiliation Records:

Site Id: 31745
Affiliation Type: Mail Contact
Company Name: CPD NY ENERGY CORP.
Contact Type: Not reported
Contact Name: COMPLIANCE DEPARTMENT
Address1: 536 MAIN STREET
Address2: Not reported
City: NEW PALTZ
State: NY
Zip Code: 12561
Country Code: 001
Phone: (845) 256-0162
EMail: COMPLIANCE@CPDGROUP.COM
Fax Number: Not reported
Modified By: AAVITARI
Date Last Modified: 2019-02-26

Site Id: 31745

**MOBIL (Continued)** **U003080377**

| | |
|---|---|
| Affiliation Type: | Facility Operator |
| Company Name: | MOBIL |
| Contact Type: | Not reported |
| Contact Name: | MANISH SHAH |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (845) 473-9388 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | EROBRECH |
| Date Last Modified: | 2017-02-09 |

| | |
|---|---|
| Site Id: | 31745 |
| Affiliation Type: | Emergency Contact |
| Company Name: | GTY NY LEASING, INC. |
| Contact Type: | Not reported |
| Contact Name: | COMPLIANCE DEPARTMENT |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 999 |
| Phone: | (845) 256-5020 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | BHYUKOWE |
| Date Last Modified: | 2016-08-22 |

| | |
|---|---|
| Site Id: | 31745 |
| Affiliation Type: | Facility Owner |
| Company Name: | GTY NY LEASING, INC. |
| Contact Type: | ENV. COMPLIANCE MANAGER |
| Contact Name: | JOE MCCORMICK |
| Address1: | 125 JERICHO TPKE. |
| Address2: | Not reported |
| City: | JERICHO |
| State: | NY |
| Zip Code: | 11753 |
| Country Code: | 001 |
| Phone: | (516) 478-5451 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | BHYUKOWE |
| Date Last Modified: | 2016-10-18 |

Tank Info:

| | |
|---|---|
| Tank Number: | 5 |
| Tank Id: | 79610 |
| Material Code: | 0022 |
| Common Name of Substance: | Waste Oil/Used Oil |

**MOBIL (Continued)** **U003080377**

Equipment Records:

| | |
|---|---|
| | G09 - Tank Secondary Containment - Modified Double-Walled (Aboveground) |
| | A00 - Tank Internal Protection - None |
| | B01 - Tank External Protection - Painted/Asphalt Coating |
| | H00 - Tank Leak Detection - None |
| | I00 - Overfill - None |
| | F00 - Pipe External Protection - None |
| | C00 - Pipe Location - No Piping |
| | D00 - Pipe Type - No Piping |
| Tank Location: | Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated above grade or tank pad, allowing visual inspection. |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | Closed - Removed |
| Pipe Model: | Not reported |
| Install Date: | 07/01/1992 |
| Capacity Gallons: | 550 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | 01/01/1995 |
| Register: | True |
| Modified By: | RDBENDEL |
| Last Modified: | 04/14/2017 |
| Material Name: | waste oil/used oil |

SPILLS:

| | |
|---|---|
| Name: | MOBIL S/S |
| Address: | 55 WASHINGTON STREET |
| City,State,Zip: | POUGHKEEPSIE, NY |
| Spill Number/Closed Date: | 9111135 / 1992-01-28 |
| Facility ID: | 9111135 |
| Facility Type: | ER |
| DER Facility ID: | 102006 |
| Site ID: | 117251 |
| DEC Region: | 3 |
| Spill Cause: | Equipment Failure |
| Spill Class: | C3 |
| SWIS: | 1446 |
| Spill Date: | 1992-01-28 |
| Investigator: | WXWADSWO |
| Referred To: | Not reported |
| Reported to Dept: | 1992-01-28 |
| CID: | Not reported |
| Water Affected: | Not reported |
| Spill Source: | Gasoline Station or other PBS Facility |
| Spill Notifier: | Responsible Party |
| Cleanup Ceased: | 1953-06-18 |
| Cleanup Meets Std: | True |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Trust: | True |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 1992-01-30 |
| Spill Record Last Update: | 1992-05-12 |
| Spiller Name: | Not reported |

**MOBIL (Continued)** **U003080377**

| | |
|---|---|
| Spiller Company: | SAME |
| Spiller Address: | Not reported |
| Spiller Company: | 999 |
| Contact Name: | Not reported |
| DEC Memo: | "Prior to Sept, 2004 data translation this spill Lead_DEC Field was WADSWORTH " |
| Remarks: | "SLOW FLOW ON DISPENSER PUMP INDICATING A POSSIBLE LEAK FURTHER INVESTIGATION UNDERWAY" |

All Materials:

| | |
|---|---|
| Site ID: | 117251 |
| Operable Unit ID: | 961262 |
| Operable Unit: | 01 |
| Material ID: | 416193 |
| Material Code: | 0009 |
| Material Name: | gasoline |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | .00 |
| Units: | Not reported |
| Recovered: | .00 |
| Oxygenate: | Not reported |

| | |
|---|---|
| Name: | EXXON S/S # 11410 |
| Address: | 55 WASHINGTON ST |
| City,State,Zip: | POUGHKEEPSIE, NY |
| Spill Number/Closed Date: | 0911501 / 2010-05-17 |
| Facility ID: | 0911501 |
| Facility Type: | ER |
| DER Facility ID: | 374368 |
| Site ID: | 424311 |
| DEC Region: | 3 |
| Spill Cause: | Unknown |
| Spill Class: | C4 |
| SWIS: | 1413 |
| Spill Date: | 2010-01-26 |
| Investigator: | JKOMARA |
| Referred To: | Not reported |
| Reported to Dept: | 2010-01-26 |
| CID: | Not reported |
| Water Affected: | Not reported |
| Spill Source: | Gasoline Station or other PBS Facility |
| Spill Notifier: | Other |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 2010-01-26 |
| Spill Record Last Update: | 2010-05-17 |
| Spiller Name: | Not reported |
| Spiller Company: | ExxonMobil |
| Spiller Address: | Not reported |
| Spiller Company: | 999 |
| Contact Name: | JOHN WELCH |
| DEC Memo: | "1/26/10: CDM is conducting a phase II investigation of the site |

**MOBIL (Continued)** **U003080377**

which includes collecting soil and groundwater samples. This spill was called in for the soil sample results. Within two weeks groundwater data will be received and will be associated with this spill number. KAB 5-17-10: V.Mc.& J.O'M.: Dup. reports, this report : NFA, ref. to 090-9188."

Remarks: "tests confirm contaminated soil"

All Materials:

| | |
|---|---|
| Site ID: | 424311 |
| Operable Unit ID: | 1180096 |
| Operable Unit: | 01 |
| Material ID: | 2173948 |
| Material Code: | 1247A |
| Material Name: | metals |
| Case No.: | Not reported |
| Material FA: | Other |
| Quantity: | Not reported |
| Units: | Not reported |
| Recovered: | Not reported |
| Oxygenate: | Not reported |

| | |
|---|---|
| Name: | MOBIL STATION # 11410 |
| Address: | 55 WASHINGTON ST |
| City,State,Zip: | POUGHKEEPSIE, NY |
| Spill Number/Closed Date: | 0909188 / 2010-07-01 |
| Facility ID: | 0909188 |
| Facility Type: | ER |
| DER Facility ID: | 370813 |
| Site ID: | 421865 |
| DEC Region: | 3 |
| Spill Cause: | Other |
| Spill Class: | D4 |
| SWIS: | 1413 |
| Spill Date: | 2009-11-16 |
| Investigator: | JKOMARA |
| Referred To: | Not reported |
| Reported to Dept: | 2009-11-16 |
| CID: | Not reported |
| Water Affected: | Not reported |
| Spill Source: | Commercial Vehicle |
| Spill Notifier: | Responsible Party |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 2009-11-16 |
| Spill Record Last Update: | 2010-07-01 |
| Spiller Name: | TOROS MAKSOUDIAN |
| Spiller Company: | EXXON MOBIL |
| Spiller Address: | 55 WASHINGTON ST |
| Spiller Company: | 999 |
| Contact Name: | TOROS MAKSOUDIAN |
| DEC Memo: | "11/17/09: As part of a site investigation contaminated soil was discovered in a headspace sample. Monitoring wells will be installed. KAB 7/1/10 Based on GES report NFA and refer for Metals JO'M" |

**MOBIL (Continued)** **U003080377**

Remarks: "Possible spill - petroleum product noticed in soil samples, waiting for laboratory confirmation."

All Materials:
Site ID: 421865
Operable Unit ID: 1177739
Operable Unit: 01
Material ID: 2170559
Material Code: 0066A
Material Name: unknown petroleum
Case No.: Not reported
Material FA: Petroleum
Quantity: Not reported
Units: Not reported
Recovered: Not reported
Oxygenate: Not reported

Name: MOBIL S/S
Address: 55 WASHINGTON STREET
City,State,Zip: POUGHKEEPSIE, NY
Spill Number/Closed Date: 9311911 / 1994-01-12
Facility ID: 9311911
Facility Type: ER
DER Facility ID: 102006
Site ID: 62387
DEC Region: 3
Spill Cause: Equipment Failure
Spill Class: D3
SWIS: 1446
Spill Date: 1994-01-09
Investigator: VPMCCABE
Referred To: Not reported
Reported to Dept: 1994-01-09
CID: Not reported
Water Affected: Not reported
Spill Source: Gasoline Station or other PBS Facility
Spill Notifier: Responsible Party
Cleanup Ceased: 1994-01-12
Cleanup Meets Std: False
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: True
Remediation Phase: 0
Date Entered In Computer: Not reported
Spill Record Last Update: 2003-12-02
Spiller Name: Not reported
Spiller Company: Not reported
Spiller Address: Not reported
Spiller Company: 001
Contact Name: Not reported
DEC Memo: ""
Remarks: "DEFECTIVE PUMP POUGHKEEPSIE FD ON SCENE PUMP WILL BE REPAIRED PUMP HAS BEEN SHUT DOWN UNTIL REPAIRED"

All Materials:
Site ID: 62387
Operable Unit ID: 990525

**MOBIL (Continued)** **U003080377**

| | |
|---|---|
| Operable Unit: | 01 |
| Material ID: | 390921 |
| Material Code: | 0009 |
| Material Name: | gasoline |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | 1.00 |
| Units: | G |
| Recovered: | .00 |
| Oxygenate: | Not reported |

| | |
|---|---|
| Name: | MOBIL |
| Address: | 55 WASHINGTON STREET |
| City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| Spill Number/Closed Date: | 1011677 / 2016-02-23 |
| Facility ID: | 1011677 |
| Facility Type: | ER |
| DER Facility ID: | 31611 |
| Site ID: | 445563 |
| DEC Region: | 3 |
| Spill Cause: | Equipment Failure |
| Spill Class: | C3 |
| SWIS: | 1413 |
| Spill Date: | 2011-02-22 |
| Investigator: | MBMASTRO |
| Referred To: | Not reported |
| Reported to Dept: | 2011-02-22 |
| CID: | Not reported |
| Water Affected: | Not reported |
| Spill Source: | Gasoline Station or other PBS Facility |
| Spill Notifier: | DEC |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Trust: | Not reported |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 2011-02-22 |
| Spill Record Last Update: | 2016-02-23 |
| Spiller Name: | POUGHKEEPSIE |
| Spiller Company: | CHESTNUT PETROLEUM |
| Spiller Address: | 55 WASHINGTON ST. |
| Spiller Company: | 999 |
| Contact Name: | SCOTT PARKER |
| DEC Memo: | "2-22-11: Inspected facility today and encountered the following: *Wet staining and what looks like an active leak under dispenser 7/8. Pea gravel is wet with product and there are some drips on piping above stained areas. Leak appears to be a slow leak from component(s) above the shear valves. *Pea gravel in dispenser 1/2 is stained and smells of product. *When opened sump lids for tanks 2 (regular) and 3 (super), there was an initial odor of gasoline. Soil in both sumps exhibited an odor of gasoline. More pronounced in sump for tank 3. *Unexplained/uninvestigated exceedences in inventory for tank 2 on 1/19/11 (-255 gal) and 1/29/11 (-262 gal). jc 3/01/12 Emailing Chazen, Emily Pereira, regarding work needed to close this spill. Impacted gravel and soils need to be removed and post ex samples |

**MOBIL (Continued)** **U003080377**

collected....mm 2-22-16 Check in with MM RDB 2/22/16 Based on the information contained in the 6/14/11 Subsurface Investigation report prepared by Chazen, no further action is required, case is closed. (Report was either never received or lost back in 2011 and was resubmitted this month by J McCormick, CPD)...mm"

Remarks: "See DEC remarks"

All Materials:

| | |
|---|---|
| Site ID: | 445563 |
| Operable Unit ID: | 1195947 |
| Operable Unit: | 01 |
| Material ID: | 2192068 |
| Material Code: | 2712 |
| Material Name: | gasoline/ethanol |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | Not reported |
| Units: | Not reported |
| Recovered: | Not reported |
| Oxygenate: | Not reported |

| | |
|---|---|
| Name: | MOBIL S/S |
| Address: | 55 WASHINGTON STREET |
| City,State,Zip: | POUGHKEEPSIE, NY |
| Spill Number/Closed Date: | 0004502 / 2000-08-16 |
| Facility ID: | 0004502 |
| Facility Type: | ER |
| DER Facility ID: | 102006 |
| Site ID: | 72538 |
| DEC Region: | 3 |
| Spill Cause: | Equipment Failure |
| Spill Class: | C4 |
| SWIS: | 1446 |
| Spill Date: | 2000-07-14 |
| Investigator: | mbmastro |
| Referred To: | Not reported |
| Reported to Dept: | 2000-07-14 |
| CID: | 312 |
| Water Affected: | Not reported |
| Spill Source: | Gasoline Station or other PBS Facility |
| Spill Notifier: | Other |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Std: | True |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Trust: | True |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 2000-07-14 |
| Spill Record Last Update: | 2004-08-11 |
| Spiller Name: | AZIZ EDIB |
| Spiller Company: | MOBIL CORP. |
| Spiller Address: | 55 WASHINGTON ST |
| Spiller Company: | 001 |
| Contact Name: | AZIZ EDIB |
| DEC Memo: | "Prior to Sept, 2004 data translation this spill Lead_DEC Field was MASTRO/MCCABE 07/14/00 LEFT MESSAGE WITH CALLER REQUESTING CALL BACK. SPOKE WITH CASHIER AT STATION. REPORTED THAT SPILL IS LESS THAN ONE |

**MOBIL (Continued)** **U003080377**

GALLON. REPAIR/CLEANUP CREWS WILL ARRIVE WITHIN 4 HOURS. 08/16/00 ID. CONKLIN COMPLETED REPAIRS. V. MCCABE SITE INSPECTION. NFA This spill was updated 08/11/2004 from info in V. McCabe's data files. 'Date:' = 07/14/00, 'Phone' = - -, 'Site Insp' = 8/16/2000. "

Remarks: "DISPENSOR IS LEAKING - VERY MINIMAL - PLACED OUT OF SERVICE - REPAIR CREW ON WAY"

All Materials:

| | |
|---|---|
| Site ID: | 72538 |
| Operable Unit ID: | 825702 |
| Operable Unit: | 01 |
| Material ID: | 549239 |
| Material Code: | 0009 |
| Material Name: | gasoline |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | .00 |
| Units: | G |
| Recovered: | .00 |
| Oxygenate: | Not reported |

---

**N57** **G. F. REFUSE T.S.** **NY SWF/LF** **S101649674**
**ESE** **240 MAIN STREET** **N/A**
**1/8-1/4** **POUGHKEEPSIE, NY 00000**
**0.239 mi.**
**1264 ft.** **Site 1 of 2 in cluster N**

**Relative:** **Higher**
**Actual:** **174 ft.**

SWF/LF:

| | |
|---|---|
| Name: | G. F. REFUSE T.S. |
| Address: | 240 MAIN STREET |
| City,State,Zip: | POUGHKEEPSIE, NY 00000 |
| Flag: | INACTIVE |
| Region Code: | 3 |
| Phone Number: | Not reported |
| Owner Name: | K VANCE PARKS |
| Owner Type: | Municipal |
| Owner Address: | 240 MAIN STREET |
| Owner Addr2: | Not reported |
| Owner City,St,Zip: | POUGHKEEPSIE, NY 12601 |
| Owner Email: | Not reported |
| Owner Phone: | Not reported |
| Contact Name: | Not reported |
| Contact Address: | Not reported |
| Contact Addr2: | Not reported |
| Contact City,St,Zip: | Not reported |
| Contact Email: | Not reported |
| Contact Phone: | Not reported |
| Activity Desc: | Transfer station - permit |
| Activity Number: | [14T04] |
| Active: | No |
| East Coordinate: | 0 |
| North Coordinate: | 0 |
| Accuracy Code: | Not reported |
| Regulatory Status: | None |
| Waste Type: | Not reported |
| Authorization #: | 0 |
| Authorization Date: | Not reported |

**G. F. REFUSE T.S. (Continued)** **S101649674**

Expiration Date: 1/31/1991
Operator Name: G. F. REFUSE SERVICE LTD
Operator Type: Not reported
Laste Date: Not reported

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**O58** **33 MARKET STREET (VACANT)** **NY UST** **U004061746**
**SE** **33 MARKET STREET** **N/A**
**1/8-1/4** **POUGHKEEPSIE, NY 12590**
**0.244 mi.**
**1287 ft.** **Site 1 of 3 in cluster O**

**Relative:**
**Higher**

**Actual:**
**172 ft.**

UST:
Name: 33 MARKET STREET (VACANT)
Address: 33 MARKET STREET
City,State,Zip: POUGHKEEPSIE, NY 12590
Id/Status: 3-601711 / Unregulated/Closed
Program Type: PBS
Region: STATE
DEC Region: 3
Expiration Date: N/A
UTM X: 585992.79128
UTM Y: 4600763.90568
Site Type: Apartment Building/Office Building

Affiliation Records:
Site Id: 338998
Affiliation Type: Facility Owner
Company Name: CENGIZ CENG
Contact Type: OWNER
Contact Name: CENGIZ CENG
Address1: 5 HARBOR HILL ROAD
Address2: Not reported
City: WAPPINGERS FALLS
State: NY
Zip Code: 12590
Country Code: 001
Phone: (845) 462-7302
EMail: Not reported
Fax Number: Not reported
Modified By: rxamato
Date Last Modified: 2008-08-13

Site Id: 338998
Affiliation Type: Mail Contact
Company Name: Not reported
Contact Type: Not reported
Contact Name: CENGIZ CENG
Address1: 5 HARBOR HILL ROAD
Address2: Not reported
City: WAPPINGERS FALLS
State: NY
Zip Code: 12590
Country Code: 001
Phone: (845) 462-7302
EMail: Not reported
Fax Number: Not reported
Modified By: BHYUKOWE
Date Last Modified: 2005-03-17

**33 MARKET STREET (VACANT) (Continued)** **U004061746**

| | |
|---|---|
| Site Id: | 338998 |
| Affiliation Type: | Facility Operator |
| Company Name: | 33 MARKET STREET (VACANT) |
| Contact Type: | Not reported |
| Contact Name: | NONE |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | Not reported |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | BHYUKOWE |
| Date Last Modified: | 2005-03-17 |

| | |
|---|---|
| Site Id: | 338998 |
| Affiliation Type: | Emergency Contact |
| Company Name: | CENGIZ CENG |
| Contact Type: | Not reported |
| Contact Name: | CENGIZ CENG |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 999 |
| Phone: | (914) 475-2188 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | rxamato |
| Date Last Modified: | 2008-08-13 |

Tank Info:

| | |
|---|---|
| Tank Number: | 1 |
| Tank ID: | 182494 |
| Tank Status: | Closed - Removed |
| Material Name: | Closed - Removed |
| Capacity Gallons: | 4000 |
| Install Date: | Not reported |
| Date Tank Closed: | 05/12/2005 |
| Registered: | True |
| Tank Location: | Underground |
| Tank Type: | Steel/carbon steel |
| Material Code: | 0009 |
| Common Name of Substance: | Gasoline |

| | |
|---|---|
| Tightness Test Method: | 00 |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Pipe Model: | Not reported |
| Modified By: | BHYUKOWE |
| Last Modified: | 04/14/2017 |

Equipment Records:

**33 MARKET STREET (VACANT) (Continued)** **U004061746**

K00 - Spill Prevention - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
F01 - Pipe External Protection - Painted/Asphalt Coating
A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
L00 - Piping Leak Detection - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
I00 - Overfill - None
J00 - Dispenser - None
G00 - Tank Secondary Containment - None
C02 - Pipe Location - Underground/On-ground

Tank Number: 2
Tank ID: 182495
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 4000
Install Date: Not reported
Date Tank Closed: 05/12/2005
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: 00
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: BHYUKOWE
Last Modified: 04/14/2017

Equipment Records:

F01 - Pipe External Protection - Painted/Asphalt Coating
A00 - Tank Internal Protection - None
K00 - Spill Prevention - None
B01 - Tank External Protection - Painted/Asphalt Coating
D01 - Pipe Type - Steel/Carbon Steel/Iron
L00 - Piping Leak Detection - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
I00 - Overfill - None
J00 - Dispenser - None
G00 - Tank Secondary Containment - None
C02 - Pipe Location - Underground/On-ground

Tank Number: 3
Tank ID: 182496
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 2000
Install Date: Not reported
Date Tank Closed: 05/12/2005
Registered: True
Tank Location: Underground

**33 MARKET STREET (VACANT) (Continued)** **U004061746**

Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: 00
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: BHYUKOWE
Last Modified: 04/14/2017

Equipment Records:

K00 - Spill Prevention - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
F01 - Pipe External Protection - Painted/Asphalt Coating
A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
L00 - Piping Leak Detection - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
I00 - Overfill - None
J00 - Dispenser - None
G00 - Tank Secondary Containment - None
C02 - Pipe Location - Underground/On-ground

Tank Number: 4
Tank ID: 208176
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 2000
Install Date: Not reported
Date Tank Closed: 05/12/2005
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: 00
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: BHYUKOWE
Last Modified: 04/14/2017

Equipment Records:

K00 - Spill Prevention - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
F01 - Pipe External Protection - Painted/Asphalt Coating
A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
L00 - Piping Leak Detection - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
I00 - Overfill - None
J00 - Dispenser - None
G00 - Tank Secondary Containment - None

**33 MARKET STREET (VACANT) (Continued)** **U004061746**

C02 - Pipe Location - Underground/On-ground

| | |
|---|---|
| Tank Number: | 5 |
| Tank ID: | 208177 |
| Tank Status: | Closed - Removed |
| Material Name: | Closed - Removed |
| Capacity Gallons: | 1000 |
| Install Date: | Not reported |
| Date Tank Closed: | 05/12/2005 |
| Registered: | True |
| Tank Location: | Underground |
| Tank Type: | Steel/carbon steel |
| Material Code: | 0022 |
| Common Name of Substance: | Waste Oil/Used Oil |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Pipe Model: | Not reported |
| Modified By: | BHYUKOWE |
| Last Modified: | 04/14/2017 |

Equipment Records:

K00 - Spill Prevention - None
A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
D00 - Pipe Type - No Piping
L00 - Piping Leak Detection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
I00 - Overfill - None
J00 - Dispenser - None
G00 - Tank Secondary Containment - None

---

**O59** **33 MARKET STREET (VACANT)** **NY AST** **A100292149**
**SE** **33 MARKET STREET** **N/A**
**1/8-1/4** **POUGHKEEPSIE, NY 12590**
**0.244 mi.**
**1287 ft.** **Site 2 of 3 in cluster O**

**Relative:**
**Higher**

**Actual:**
**172 ft.**

AST:

| | |
|---|---|
| Name: | 33 MARKET STREET (VACANT) |
| Address: | 33 MARKET STREET |
| City,State,Zip: | POUGHKEEPSIE, NY 12590 |
| Region: | STATE |
| DEC Region: | 3 |
| Site Status: | Unregulated/Closed |
| Facility Id: | 3-601711 |
| Program Type: | PBS |
| UTM X: | 585992.79128 |
| UTM Y: | 4600763.90568 |
| Expiration Date: | N/A |
| Site Type: | Apartment Building/Office Building |

Affiliation Records:

| | |
|---|---|
| Site Id: | 338998 |

**33 MARKET STREET (VACANT) (Continued)** **A100292149**

| | |
|---|---|
| Affiliation Type: | Facility Owner |
| Company Name: | CENGIZ CENG |
| Contact Type: | OWNER |
| Contact Name: | CENGIZ CENG |
| Address1: | 5 HARBOR HILL ROAD |
| Address2: | Not reported |
| City: | WAPPINGERS FALLS |
| State: | NY |
| Zip Code: | 12590 |
| Country Code: | 001 |
| Phone: | (845) 462-7302 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | rxamato |
| Date Last Modified: | 2008-08-13 |

| | |
|---|---|
| Site Id: | 338998 |
| Affiliation Type: | Mail Contact |
| Company Name: | Not reported |
| Contact Type: | Not reported |
| Contact Name: | CENGIZ CENG |
| Address1: | 5 HARBOR HILL ROAD |
| Address2: | Not reported |
| City: | WAPPINGERS FALLS |
| State: | NY |
| Zip Code: | 12590 |
| Country Code: | 001 |
| Phone: | (845) 462-7302 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | BHYUKOWE |
| Date Last Modified: | 2005-03-17 |

| | |
|---|---|
| Site Id: | 338998 |
| Affiliation Type: | Facility Operator |
| Company Name: | 33 MARKET STREET (VACANT) |
| Contact Type: | Not reported |
| Contact Name: | NONE |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | Not reported |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | BHYUKOWE |
| Date Last Modified: | 2005-03-17 |

| | |
|---|---|
| Site Id: | 338998 |
| Affiliation Type: | Emergency Contact |
| Company Name: | CENGIZ CENG |
| Contact Type: | Not reported |
| Contact Name: | CENGIZ CENG |
| Address1: | Not reported |
| Address2: | Not reported |

**33 MARKET STREET (VACANT) (Continued)** **A100292149**

| | |
|---|---|
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 999 |
| Phone: | (914) 475-2188 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | rxamato |
| Date Last Modified: | 2008-08-13 |

Tank Info:

| | |
|---|---|
| Tank Number: | 6 |
| Tank Id: | 208178 |
| Material Code: | 0001 |
| Common Name of Substance: | #2 Fuel Oil (On-Site Consumption) |

Equipment Records:

K00 - Spill Prevention - None
A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
L00 - Piping Leak Detection - None
D00 - Pipe Type - No Piping
F00 - Pipe External Protection - None
C00 - Pipe Location - No Piping
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
I00 - Overfill - None
J00 - Dispenser - None
G00 - Tank Secondary Containment - None

| | |
|---|---|
| Tank Location: | Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated above grade or tank pad, allowing visual inspection. |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | Closed - Removed |
| Pipe Model: | Not reported |
| Install Date: | Not reported |
| Capacity Gallons: | 275 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | 05/12/2005 |
| Register: | True |
| Modified By: | BHYUKOWE |
| Last Modified: | 04/14/2017 |
| Material Name: | #2 fuel oil (on-site consumption) |

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**N60** **ACADIA HUDSON LLC** **NY LTANKS** **U001843495**
**SE** **21 MARKET STREET** **NY TANKS** **N/A**
**1/8-1/4** **POUGHKEEPSIE, NY 12601**
**0.245 mi.**
**1295 ft.** **Site 2 of 2 in cluster N**

**Relative:** **Higher**
**Actual:** **175 ft.**

LTANKS:

| | |
|---|---|
| Name: | POUGHKEEPSIE SAVINGS BANK |
| Address: | 21 MARKET STREET |
| City,State,Zip: | POUGHKEEPSIE, NY |
| Spill Number/Closed Date: | 8902715 / 1989-09-25 |

**ACADIA HUDSON LLC (Continued)** **U001843495**

| | |
|---|---|
| Facility ID: | 8902715 |
| Site ID: | 264064 |
| Spill Date: | 1989-06-15 |
| Spill Cause: | Tank Test Failure |
| Spill Source: | Commercial/Industrial |
| Spill Class: | D3 |
| Cleanup Ceased: | 1989-09-25 |
| SWIS: | 1446 |
| Investigator: | wxwadswo |
| Referred To: | Not reported |
| Reported to Dept: | 1989-06-15 |
| CID: | Not reported |
| Water Affected: | Not reported |
| Spill Notifier: | Tank Tester |
| Last Inspection: | 1989-09-25 |
| Recommended Penalty: | False |
| Meets Standard: | True |
| UST Involvement: | True |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 1989-06-20 |
| Spill Record Last Update: | 1989-10-03 |
| Spiller Name: | Not reported |
| Spiller Company: | Not reported |
| Spiller Address: | Not reported |
| Spiller County: | 001 |
| Spiller Contact: | Not reported |
| Spiller Phone: | Not reported |
| Spiller Extention: | Not reported |
| DEC Region: | 3 |
| DER Facility ID: | 215240 |
| DEC Memo: | "Prior to Sept, 2004 data translation this spill Lead_DEC Field was W. WADSWORTH 06/21/89: TANK WAS PUMPED OUT ON 6/20/89. 09/25/89: TANK WAS REMOVED ON 9/25/89. SEE PBS FILES FOR MORE INFORMATION. " |
| Remarks: | "AINLAY, 2,000 GAL. LEAK RATE -0.99. BANK TO HAVE OIL CO. PUMP TANK OUT. THEY WILL ISOLATE TANK AND REMOVE IF NEEDED. DEBBRA WILL CALL BACK W/NOTICE." |

All TTF:

| | |
|---|---|
| Facility ID: | 8902715 |
| Spill Number: | 8902715 |
| Spill Tank Test: | 1535596 |
| Site ID: | 264064 |
| Tank Number: | Not reported |
| Tank Size: | 0 |
| Material: | 0001 |
| EPA UST: | Not reported |
| UST: | Not reported |
| Cause: | Not reported |
| Source: | Not reported |
| Test Method: | 00 |
| Test Method 2: | Unknown |
| Leak Rate: | .00 |
| Gross Fail: | Not reported |
| Modified By: | Spills |
| Last Modified Date: | Not reported |

All Materials:

**ACADIA HUDSON LLC (Continued)** **U001843495**

| | |
|---|---|
| Site ID: | 264064 |
| Operable Unit ID: | 930156 |
| Operable Unit: | 01 |
| Material ID: | 450405 |
| Material Code: | 0001A |
| Material Name: | #2 fuel oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | .00 |
| Units: | G |
| Recovered: | .00 |
| Oxygenate: | Not reported |

TANKS:

| | |
|---|---|
| Name: | ACADIA HUDSON LLC |
| Address: | 21 MARKET STREET |
| City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| Facility Id: | 3-169196 |
| Region: | STATE |
| DEC Region: | 3 |
| Site Status: | Active |
| Program Type: | PBS |
| Expiration Date: | 11/19/2022 |
| UTM X: | 589103.79016 |
| UTM Y: | 4617415.49894 |

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**61** **REMINGTON ASSOC** **NY LTANKS** **S107789357**
**NE** **75 WASHINGTON STREET** **N/A**
**1/4-1/2** **POUGHKEEPSIE, NY**
**0.258 mi.**
**1361 ft.**

**Relative:**
**Higher**

**Actual:**
**172 ft.**

LTANKS:

| | |
|---|---|
| Name: | GELLERT&KLEIN/WISE LAW OFFICE |
| Address: | 75 WASHINGTON STREET |
| City,State,Zip: | POUGHKEEPSIE, NY |
| Spill Number/Closed Date: | 0512986 / 2006-06-30 |
| Facility ID: | 0512986 |
| Site ID: | 359391 |
| Spill Date: | 2006-02-09 |
| Spill Cause: | Tank Test Failure |
| Spill Source: | Commercial/Industrial |
| Spill Class: | C3 |
| Cleanup Ceased: | Not reported |
| SWIS: | 1413 |
| Investigator: | VPMCCABE |
| Referred To: | Not reported |
| Reported to Dept: | 2006-02-09 |
| CID: | 444 |
| Water Affected: | Not reported |
| Spill Notifier: | Tank Tester |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| Meets Standard: | False |
| UST Involvement: | False |
| Remediation Phase: | 0 |

**REMINGTON ASSOC (Continued)** **S107789357**

| | |
|---|---|
| Date Entered In Computer: | 2006-02-09 |
| Spill Record Last Update: | 2006-08-04 |
| Spiller Name: | GELLER & KLIEN |
| Spiller Company: | LAW OFFICE |
| Spiller Address: | 75 WASHINGTON STREET |
| Spiller County: | 001 |
| Spiller Contact: | GELLER & KLIEN |
| Spiller Phone: | (845) 454-3250 |
| Spiller Extention: | Not reported |
| DEC Region: | 3 |
| DER Facility ID: | 314137 |
| DEC Memo: | "See report : 6-30-06, by Dut.Envir.Const. See 5 page update by V.p.Mc." |
| Remarks: | "ISOLATE AND RETEST" |

All TTF:

| | |
|---|---|
| Facility ID: | 0512986 |
| Spill Number: | 0512986 |
| Spill Tank Test: | 1549713 |
| Site ID: | 359391 |
| Tank Number: | 1 |
| Tank Size: | 2000 |
| Material: | 0001 |
| EPA UST: | Not reported |
| UST: | Not reported |
| Cause: | Not reported |
| Source: | Not reported |
| Test Method: | 03 |
| Test Method 2: | Horner EZ Check I or II |
| Leak Rate: | .00 |
| Gross Fail: | Not reported |
| Modified By: | Watchdog |
| Last Modified Date: | Not reported |

All Materials:

| | |
|---|---|
| Site ID: | 359391 |
| Operable Unit ID: | 1116602 |
| Operable Unit: | 01 |
| Material ID: | 2107044 |
| Material Code: | 0001A |
| Material Name: | #2 fuel oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | Not reported |
| Units: | G |
| Recovered: | .00 |
| Oxygenate: | Not reported |

| | |
|---|---|
| Name: | REMINGTON ASSOC |
| Address: | 75 WASHINGTON STREET |
| City,State,Zip: | POUGHKEEPSIE, NY |
| Spill Number/Closed Date: | 0601464 / 2006-05-09 |
| Facility ID: | 0601464 |
| Site ID: | 363703 |
| Spill Date: | 2006-05-09 |
| Spill Cause: | Tank Failure |

**REMINGTON ASSOC (Continued)** **S107789357**

| | |
|---|---|
| Spill Source: | Commercial/Industrial |
| Spill Class: | C3 |
| Cleanup Ceased: | Not reported |
| SWIS: | 1413 |
| Investigator: | VPMCCABE |
| Referred To: | Not reported |
| Reported to Dept: | 2006-05-09 |
| CID: | 444 |
| Water Affected: | Not reported |
| Spill Notifier: | Other |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| Meets Standard: | False |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 2006-05-09 |
| Spill Record Last Update: | 2006-05-15 |
| Spiller Name: | REMINGTON ASSOC |
| Spiller Company: | REMINGTON ASSOC |
| Spiller Address: | 75 WASHINGTON STREET |
| Spiller County: | 001 |
| Spiller Contact: | REMINGTON ASSOC |
| Spiller Phone: | (845) 454-3250 |
| Spiller Extention: | Not reported |
| DEC Region: | 3 |
| DER Facility ID: | 314137 |
| DEC Memo: | "5-9-06: See 051-2986." |
| Remarks: | "2000 GALLON TANK HAD HOLES;" |

All Materials:

| | |
|---|---|
| Site ID: | 363703 |
| Operable Unit ID: | 1121768 |
| Operable Unit: | 01 |
| Material ID: | 2111248 |
| Material Code: | 0001A |
| Material Name: | #2 fuel oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | Not reported |
| Units: | G |
| Recovered: | .00 |
| Oxygenate: | Not reported |

---

**62**
**East**
**1/4-1/2**
**0.258 mi.**
**1361 ft.**

**CITY OF POK.PARKING GARAGE**
**61 CIVIC CENTER PLAZA**
**POUGHKEEPSIE, NY**

**NY LTANKS** **S108298619**
**N/A**

**Relative:**
**Higher**

**Actual:**
**176 ft.**

LTANKS:

| | |
|---|---|
| Name: | CITY OF POK.PARKING GARAGE |
| Address: | 61 CIVIC CENTER PLAZA |
| City,State,Zip: | POUGHKEEPSIE, NY |
| Spill Number/Closed Date: | 0608092 / 2006-11-07 |
| Facility ID: | 0608092 |
| Site ID: | 371967 |
| Spill Date: | 2006-10-16 |

**CITY OF POK.PARKING GARAGE (Continued)** **S108298619**

| | |
|---|---|
| Spill Cause: | Tank Failure |
| Spill Source: | Institutional, Educational, Gov., Other |
| Spill Class: | C4 |
| Cleanup Ceased: | Not reported |
| SWIS: | 1413 |
| Investigator: | VPMCCABE |
| Referred To: | Not reported |
| Reported to Dept: | 2006-10-16 |
| CID: | 444 |
| Water Affected: | Not reported |
| Spill Notifier: | Other |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| Meets Standard: | True |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 2006-10-16 |
| Spill Record Last Update: | 2007-01-26 |
| Spiller Name: | NOEL RUSS |
| Spiller Company: | PARKING GARAGE |
| Spiller Address: | 61 CIVIC CENTER PLAZA |
| Spiller County: | 001 |
| Spiller Contact: | NOEL RUSS |
| Spiller Phone: | (845) 569-1200 |
| Spiller Extention: | 12 |
| DEC Region: | 3 |
| DER Facility ID: | 321703 |
| DEC Memo: | "15 TONS OF MATERIAL REMOVED; NO COMPLICATIONS; NO SENSITIVE RECEPTORS; WELL SAMPLE AND REPORT. 10/27/06: V MC. SITE INSPECT CHECKED LOWEST LEVEL OF PARKING LOT; NO ACT/UST,SOIL/Ect. noted. See report : 11-7-06, by MEG" |
| Remarks: | "HOLES IN TANK AND CONTAMINATED SOIL:" |

All Materials:

| | |
|---|---|
| Site ID: | 371967 |
| Operable Unit ID: | 1129716 |
| Operable Unit: | 01 |
| Material ID: | 2119381 |
| Material Code: | 0001A |
| Material Name: | #2 fuel oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | Not reported |
| Units: | G |
| Recovered: | .00 |
| Oxygenate: | Not reported |

---

**O63** **M B M COMP./TRI.CO.PLAN.SER.: 1K UST** **NY LTANKS** **S113820367**
**SE** **39 MARKET ST** **N/A**
**1/4-1/2** **POUGHKEEPSIE, NY**
**0.260 mi.**
**1374 ft.** **Site 3 of 3 in cluster O**

**Relative:** LTANKS:
**Higher**

| | |
|---|---|
| Name: | M B M COMP./TRI.CO.PLAN.SER.: 1K UST |
| Address: | 39 MARKET ST |
| City,State,Zip: | POUGHKEEPSIE, NY |

**Actual:**
**174 ft.**

**M B M COMP./TRI.CO.PLAN.SER.: 1K UST (Continued)** **S113820367**

| | |
|---|---|
| Spill Number/Closed Date: | 1304134 / 2013-07-26 |
| Facility ID: | 1304134 |
| Site ID: | 484647 |
| Spill Date: | 2013-07-17 |
| Spill Cause: | Tank Test Failure |
| Spill Source: | Commercial/Industrial |
| Spill Class: | D4 |
| Cleanup Ceased: | Not reported |
| SWIS: | 1413 |
| Investigator: | VPMCCABE |
| Referred To: | Not reported |
| Reported to Dept: | 2013-07-17 |
| CID: | Not reported |
| Water Affected: | Not reported |
| Spill Notifier: | Other |
| Last Inspection: | 2013-07-24 |
| Recommended Penalty: | False |
| Meets Standard: | False |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 2013-07-17 |
| Spill Record Last Update: | 2013-08-23 |
| Spiller Name: | Not reported |
| Spiller Company: | M B M COMP. |
| Spiller Address: | 1134 MAIN ST |
| Spiller County: | 999 |
| Spiller Contact: | BILL MAYS |
| Spiller Phone: | Not reported |
| Spiller Extention: | Not reported |
| DEC Region: | 3 |
| DER Facility ID: | 439797 |
| DEC Memo: | "7-17-13: Spoke with WCC. 1K failed test. Tester suspects remote fill the problem. Tank is located in basement. WCC was hired by EnviroClean and gave Stacy as contact. EnviroClean is doing some work at location. They will repair tank and have WCC retest. jc 7-25-13: V.Mc.: See 1 page update, inc. site inspection of 7-24-13, noting: No activity on site at time of inspection. Fill/vent to basement AST, center of store front for Prudential / Cherise Recchia. 8-12-13: V.Mc. UST passed re-test. Report in e-Doc. NFA" |
| Remarks: | "1000 gal agt in basement" |

All Materials:

| | |
|---|---|
| Site ID: | 484647 |
| Operable Unit ID: | 1234324 |
| Operable Unit: | 01 |
| Material ID: | 2233334 |
| Material Code: | 0001A |
| Material Name: | #2 fuel oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | Not reported |
| Units: | G |
| Recovered: | Not reported |
| Oxygenate: | Not reported |

**64**
**SE**
**1/4-1/2**
**0.292 mi.**
**1541 ft.**

**NYSDMNA - NEW YORK STATE ARMORY**
**61 MARKET ST**
**POUGHKEEPSIE, NY 12601**

**NY LTANKS** **1006931303**
**RCRA NonGen / NLR** **NYR000117929**
**NY MANIFEST**

**Relative:**
**Higher**

**Actual:**
**170 ft.**

LTANKS:

| | |
|---|---|
| Name: | NYS ARMORY |
| Address: | 61 MARKET STREET |
| City,State,Zip: | POUGHKEEPSIE, NY |
| Spill Number/Closed Date: | 8803141 / 1989-11-29 |
| Facility ID: | 8803141 |
| Site ID: | 293364 |
| Spill Date: | 1988-07-11 |
| Spill Cause: | Tank Test Failure |
| Spill Source: | Institutional, Educational, Gov., Other |
| Spill Class: | Not reported |
| Cleanup Ceased: | 1989-11-29 |
| SWIS: | 1446 |
| Investigator: | jeokesso |
| Referred To: | Not reported |
| Reported to Dept: | 1988-07-11 |
| CID: | Not reported |
| Water Affected: | Not reported |
| Spill Notifier: | Tank Tester |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| Meets Standard: | True |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 1988-03-28 |
| Spill Record Last Update: | 1989-11-29 |
| Spiller Name: | Not reported |
| Spiller Company: | MIKE HEINNICH |
| Spiller Address: | Not reported |
| Spiller County: | 001 |
| Spiller Contact: | Not reported |
| Spiller Phone: | Not reported |
| Spiller Extention: | Not reported |
| DEC Region: | 3 |
| DER Facility ID: | 237448 |
| DEC Memo: | "Prior to Sept, 2004 data translation this spill Lead_DEC Field was OKESSON " |
| Remarks: | "8K FAI;ED AT .879 OGS" |

All TTF:

| | |
|---|---|
| Facility ID: | 8803141 |
| Spill Number: | 8803141 |
| Spill Tank Test: | 1534268 |
| Site ID: | 293364 |
| Tank Number: | Not reported |
| Tank Size: | 0 |
| Material: | 0001 |
| EPA UST: | Not reported |
| UST: | Not reported |
| Cause: | Not reported |
| Source: | Not reported |
| Test Method: | 00 |
| Test Method 2: | Unknown |
| Leak Rate: | .00 |

**NYSDMNA - NEW YORK STATE ARMORY (Continued)** **1006931303**

| | |
|---|---|
| Gross Fail: | Not reported |
| Modified By: | Spills |
| Last Modified Date: | Not reported |

All Materials:

| | |
|---|---|
| Site ID: | 293364 |
| Operable Unit ID: | 918311 |
| Operable Unit: | 01 |
| Material ID: | 554778 |
| Material Code: | 0001A |
| Material Name: | #2 fuel oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | .00 |
| Units: | G |
| Recovered: | .00 |
| Oxygenate: | Not reported |

RCRA NonGen / NLR:

| | |
|---|---|
| Date Form Received by Agency: | 2011-10-24 00:00:00.0 |
| Handler Name: | NYSDMNA - NEW YORK STATE ARMORY |
| Handler Address: | 61 MARKET ST |
| Handler City,State,Zip: | POUGHKEEPSIE, NY 12601-3210 |
| EPA ID: | NYR000117929 |
| Contact Name: | HEIDI UNWIN |
| Contact Address: | OLD NISKAYUNA RD |
| Contact City,State,Zip: | LATHAM, NY 12210-3514 |
| Contact Telephone: | 518-786-4347 |
| Contact Fax: | Not reported |
| Contact Email: | Not reported |
| Contact Title: | MGR |
| EPA Region: | 02 |
| Land Type: | State |
| Federal Waste Generator Description: | Not a generator, verified |
| Non-Notifier: | Not reported |
| Biennial Report Cycle: | Not reported |
| Accessibility: | Not reported |
| Active Site Indicator: | Not reported |
| State District Owner: | NY |
| State District: | NYSDEC R3 |
| Mailing Address: | MARKET ST |
| Mailing City,State,Zip: | POUGHKEEPSIE, NY 12601-3210 |
| Owner Name: | Not reported |
| Owner Type: | Not reported |
| Operator Name: | Not reported |
| Operator Type: | Not reported |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |

**NYSDMNA - NEW YORK STATE ARMORY (Continued)** **1006931303**

| | |
|---|---|
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site Fed-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site Converter Treatment storage and Disposal Facility: | Not reported |
| Active Site State-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | NN |
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 2015-04-14 00:00:00.0 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | Not reported |
| Manifest Broker: | Not reported |
| Sub-Part P Indicator: | Not reported |

Hazardous Waste Summary:

| | |
|---|---|
| Waste Code: | D008 |
| Waste Description: | LEAD |

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | NYS DIV MILITARY NAVAL AFFAIRS |
| Legal Status: | State |

**NYSDMNA - NEW YORK STATE ARMORY (Continued)** **1006931303**

| | |
|---|---|
| Date Became Current: | 1979-12-31 00:00:00. |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 330 OLD NISKAYUNA RD |
| Owner/Operator City,State,Zip: | LATHAM, NY 12110-2224 |
| Owner/Operator Telephone: | 518-786-4347 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| | |
| Owner/Operator Indicator: | PO |
| Owner/Operator Name: | NYS DIV MILITARY NAVAL AFFAIRS |
| Legal Status: | State |
| Date Became Current: | 1979-12-31 00:00:00. |
| Date Ended Current: | 2011-10-24 00:00:00. |
| Owner/Operator Address: | 330 OLD NISKAYUNA RD |
| Owner/Operator City,State,Zip: | LATHAM, NY 12110-2224 |
| Owner/Operator Telephone: | 518-786-4347 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| | |
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | NEW YORK STATE ARMORY |
| Legal Status: | State |
| Date Became Current: | 1979-12-31 00:00:00. |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 61 MARKET ST |
| Owner/Operator City,State,Zip: | POUGHKEEPSIE, NY 12601-3210 |
| Owner/Operator Telephone: | 518-786-4347 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| | |
| Owner/Operator Indicator: | PP |
| Owner/Operator Name: | NEW YORK STATE ARMORY |
| Legal Status: | State |
| Date Became Current: | 1979-12-31 00:00:00. |
| Date Ended Current: | 2011-10-24 00:00:00. |
| Owner/Operator Address: | 61 MARKET ST |
| Owner/Operator City,State,Zip: | POUGHKEEPSIE, NY 12601-3210 |
| Owner/Operator Telephone: | 518-786-4347 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |
| | |
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | NYS DIV MILITARY NAVAL AFFAIRS |
| Legal Status: | State |
| Date Became Current: | 1979-12-31 00:00:00. |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 330 OLD NISKAYUNA RD |
| Owner/Operator City,State,Zip: | LATHAM, NY 12110-2224 |
| Owner/Operator Telephone: | 518-786-4347 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

**NYSDMNA - NEW YORK STATE ARMORY (Continued)** **1006931303**

| | |
|---|---|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | NEW YORK STATE ARMORY |
| Legal Status: | State |
| Date Became Current: | 1979-12-31 00:00:00. |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | 61 MARKET ST |
| Owner/Operator City,State,Zip: | POUGHKEEPSIE, NY 12601-3210 |
| Owner/Operator Telephone: | 518-786-4347 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

Historic Generators:

| | |
|---|---|
| Receive Date: | 2006-01-01 00:00:00.0 |
| Handler Name: | NYSDMNA - NEW YORK STATE ARMORY |
| Federal Waste Generator Description: | Not a generator, verified |
| State District Owner: | NY |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | No |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |

| | |
|---|---|
| Receive Date: | 2007-01-01 00:00:00.0 |
| Handler Name: | NYSDMNA - NEW YORK STATE ARMORY |
| Federal Waste Generator Description: | Conditionally Exempt Small Quantity Generator |
| State District Owner: | NY |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | No |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |

| | |
|---|---|
| Receive Date: | 2011-10-24 00:00:00.0 |
| Handler Name: | NYSDMNA - NEW YORK STATE ARMORY |
| Federal Waste Generator Description: | Not a generator, verified |
| State District Owner: | NY |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | Yes |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |

| | |
|---|---|
| Receive Date: | 2003-09-02 00:00:00.0 |
| Handler Name: | NYSDMNA - NEW YORK STATE ARMORY |
| Federal Waste Generator Description: | Conditionally Exempt Small Quantity Generator |
| State District Owner: | NY |
| Large Quantity Handler of Universal Waste: | No |

**NYSDMNA - NEW YORK STATE ARMORY (Continued)** **1006931303**

| | |
|---|---|
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | No |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |

List of NAICS Codes and Descriptions:

| | |
|---|---|
| NAICS Code: | 92811 |
| NAICS Description: | NATIONAL SECURITY |

Facility Has Received Notices of Violation:

No Violations Found:

Evaluation Action Summary:

No Evaluations Found:

NY MANIFEST:

| | |
|---|---|
| Name: | NYSDMNA - NYS ARMORY |
| Address: | 61 MARKET ST |
| City,State,Zip: | POUGHKEEPSIE, NY 12601-3210 |
| Country: | USA |
| EPA ID: | NYR000117929 |
| Facility Status: | Not reported |
| Location Address 1: | 61 MARKET ST |
| Code: | BP |
| Location Address 2: | Not reported |
| Total Tanks: | Not reported |
| Location City: | POUGHKEEPSIE |
| Location State: | NY |
| Location Zip: | 12601 |
| Location Zip 4: | Not reported |

NY MANIFEST:

| | |
|---|---|
| EPAID: | NYR000117929 |
| Mailing Name: | NYSDMNA - NYS ARMORY |
| Mailing Contact: | N/S |
| Mailing Address 1: | 61 MARKET ST |
| Mailing Address 2: | Not reported |
| Mailing City: | POUGHKEEPSIE |
| Mailing State: | NY |
| Mailing Zip: | 12601 |
| Mailing Zip 4: | Not reported |
| Mailing Country: | USA |
| Mailing Phone: | 8454542502 |

NY MANIFEST:

| | |
|---|---|
| Document ID: | Not reported |
| Manifest Status: | Not reported |
| seq: | Not reported |
| Year: | Not reported |
| Trans1 State ID: | NJD986607380 |

**NYSDMNA - NEW YORK STATE ARMORY (Continued)** **1006931303**

| | |
|---|---|
| Trans2 State ID: | MID000263871 |
| Generator Ship Date: | 01/05/2006 |
| Trans1 Recv Date: | 01/05/2006 |
| Trans2 Recv Date: | 01/19/2006 |
| TSD Site Recv Date: | 02/01/2006 |
| Part A Recv Date: | Not reported |
| Part B Recv Date: | Not reported |
| Generator EPA ID: | NYR000117929 |
| Trans1 EPA ID: | Not reported |
| Trans2 EPA ID: | Not reported |
| TSDF ID 1: | MID000724831 |
| TSDF ID 2: | Not reported |
| Manifest Tracking Number: | MIA9205571 |
| Import Indicator: | N |
| Export Indicator: | N |
| Discr Quantity Indicator: | N |
| Discr Type Indicator: | N |
| Discr Residue Indicator: | N |
| Discr Partial Reject Indicator: | N |
| Discr Full Reject Indicator: | N |
| Manifest Ref Number: | Not reported |
| Alt Facility RCRA ID: | Not reported |
| Alt Facility Sign Date: | Not reported |
| MGMT Method Type Code: | Not reported |
| Waste Code: | Not reported |
| Waste Code: | Not reported |
| Waste Code: | Not reported |
| Waste Code: | Not reported |
| Waste Code: | Not reported |
| Waste Code: | Not reported |
| Quantity: | 200 |
| Units: | P - Pounds |
| Number of Containers: | 2 |
| Container Type: | DM - Metal drums, barrels |
| Handling Method: | T Chemical, physical, or biological treatment. |
| Specific Gravity: | 1 |
| Waste Code: | D008 |
| Waste Code 1_2: | Not reported |
| Waste Code 1_3: | Not reported |
| Waste Code 1_4: | Not reported |
| Waste Code 1_5: | Not reported |
| Waste Code 1_6: | Not reported |

---

**65** **FIRST CONGREGATIONAL CHURCH** **NY LTANKS** **S106385806**
**East** **269 MILL ST** **NY Spills** **N/A**
**1/4-1/2** **POUGHKEEPSIE, NY**
**0.301 mi.**
**1591 ft.**

**Relative:** **Higher**
**Actual:** **178 ft.**

LTANKS:

| | |
|---|---|
| Name: | 1ST.CONGREGATIONALCHURCH |
| Address: | 269 MILL STREET |
| City,State,Zip: | POUGHKEEPSIE, NY |
| Spill Number/Closed Date: | 0400242 / 2004-04-20 |
| Facility ID: | 0400242 |
| Site ID: | 64266 |
| Spill Date: | 2004-04-08 |

**FIRST CONGREGATIONAL CHURCH (Continued)** **S106385806**

| | |
|---|---|
| Spill Cause: | Tank Failure |
| Spill Source: | Private Dwelling |
| Spill Class: | C4 |
| Cleanup Ceased: | Not reported |
| SWIS: | 1446 |
| Investigator: | VPMCCABE |
| Referred To: | Not reported |
| Reported to Dept: | 2004-04-08 |
| CID: | 444 |
| Water Affected: | Not reported |
| Spill Notifier: | Other |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| Meets Standard: | False |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 2004-04-08 |
| Spill Record Last Update: | 2005-03-14 |
| Spiller Name: | JEFF HITCHINS |
| Spiller Company: | FIRST CONGREGATIONAL CHUR |
| Spiller Address: | 269 MILL STREET |
| Spiller County: | 001 |
| Spiller Contact: | JEFF HITCHINS |
| Spiller Phone: | (845) 452-2600 |
| Spiller Extention: | Not reported |
| DEC Region: | 3 |
| DER Facility ID: | 61957 |
| DEC Memo: | "See 3 page update by VMC Prior to Sept, 2004 data translation this spill Lead_DEC Field was MCCABE This spill was updated 08/11/2004 from info in V. McCabe's data files. 'Date:' = 04/08/04, 'Phone' = 4/8/2004, 'Site Insp' = 4/20/2004. " |
| Remarks: | "TANK FAILURE: IN PROCESS OF BEING CLEAN UP: " |

All Materials:

| | |
|---|---|
| Site ID: | 64266 |
| Operable Unit ID: | 884629 |
| Operable Unit: | 01 |
| Material ID: | 495028 |
| Material Code: | 0001A |
| Material Name: | #2 fuel oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | 30.00 |
| Units: | G |
| Recovered: | .00 |
| Oxygenate: | Not reported |

SPILLS:

| | |
|---|---|
| Name: | FIRST CONGREGATIONAL CHURCH |
| Address: | 269 MILL ST |
| City,State,Zip: | POUGHKEEPSIE, NY |
| Spill Number/Closed Date: | 1112465 / 2012-03-30 |
| Facility ID: | 1112465 |
| Facility Type: | ER |
| DER Facility ID: | 414867 |
| Site ID: | 460405 |

**FIRST CONGREGATIONAL CHURCH (Continued)** **S106385806**

| | |
|---|---|
| DEC Region: | 3 |
| Spill Cause: | Equipment Failure |
| Spill Class: | C3 |
| SWIS: | 1413 |
| Spill Date: | 2012-01-27 |
| Investigator: | VPMCCABE |
| Referred To: | Not reported |
| Reported to Dept: | 2012-01-27 |
| CID: | Not reported |
| Water Affected: | Not reported |
| Spill Source: | Institutional, Educational, Gov., Other |
| Spill Notifier: | Other |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not reported |
| Recommended Penalty: | Not reported |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 2012-01-27 |
| Spill Record Last Update: | 2012-04-02 |
| Spiller Name: | DONALD TWITCHILL |
| Spiller Company: | FIRST CONGREGATIONAL CHURCH |
| Spiller Address: | 269 MILL ST |
| Spiller Company: | 999 |
| Contact Name: | JEFF HICKS |
| DEC Memo: | "1-27-12: V.Mc. call to Don Twitchill: Left for day. 2-2-12: V.Mc.: See 1 page update, inc.: *) 1-31-12: V.Mc. site inspection: Meet with Don Twitchill. Inspected basement: Leak at fuel pump at furnace. Spill was aprx.5 to 10 gal., onto concrete floor. EnviroClean completed cleanned up. No odor noted upon entry. *) 1-31-12: V.Mc. at EnviroClean: Meet with J.Jorden. Clean up completed, receipt for disposal along with cover letter to be submitted for closure. 4-2-12: V.Mc.: See Disposal Receipt with cover letter dated 3-1-12 from EnviroClean. NFA." |
| Remarks: | "in building basement - cleanup in progress -" |

All Materials:

| | |
|---|---|
| Site ID: | 460405 |
| Operable Unit ID: | 1210493 |
| Operable Unit: | 01 |
| Material ID: | 2208134 |
| Material Code: | 0001A |
| Material Name: | #2 fuel oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | 20.00 |
| Units: | G |
| Recovered: | Not reported |
| Oxygenate: | Not reported |

**66**
**NNE**
**1/4-1/2**
**0.326 mi.**
**1722 ft.**

**POLE #26566**
**30 BAIN AVE**
**POUGHKEEPSIE, NY**

**NY LTANKS**
**NY Spills**

**S105135171**
**N/A**

**Relative:**
**Higher**

**Actual:**
**150 ft.**

LTANKS:

| | |
|---|---|
| Name: | KOURNOUS |
| Address: | 30 BAIN AVE |
| City,State,Zip: | POUGHKEEPSIE, NY |
| Spill Number/Closed Date: | 0106607 / 2001-09-26 |
| Facility ID: | 0106607 |
| Site ID: | 89001 |
| Spill Date: | 2001-09-25 |
| Spill Cause: | Tank Failure |
| Spill Source: | Private Dwelling |
| Spill Class: | C3 |
| Cleanup Ceased: | Not reported |
| SWIS: | 1446 |
| Investigator: | VPMCCABE |
| Referred To: | Not reported |
| Reported to Dept: | 2001-09-25 |
| CID: | 382 |
| Water Affected: | Not reported |
| Spill Notifier: | Other |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| Meets Standard: | True |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 2001-09-25 |
| Spill Record Last Update: | 2004-08-11 |
| Spiller Name: | MR KOURNOUS |
| Spiller Company: | Not reported |
| Spiller Address: | 30 BAIN AVE |
| Spiller County: | 001 |
| Spiller Contact: | MR KOURNOUS |
| Spiller Phone: | (845) 454-4945 |
| Spiller Extention: | Not reported |
| DEC Region: | 3 |
| DER Facility ID: | 81342 |
| DEC Memo: | "Prior to Sept, 2004 data translation this spill Lead_DEC Field was MCCABE 09/26/2001 V. MCCABE SITE INSPECTION. MUNICIPAL WATER/SEWER. SURFACE OF CONCRETE CLEANED WITH BIOSOLVE. TWO PAGE UPDATE BY V. MCCABE. NO FURTHER ACTION. This spill was updated 08/11/2004 from info in V. McCabe's data files. 'Date:' = 09/25/01, 'Phone' = 9/26/2001, 'Site Insp' = 9/26/2001. " |
| Remarks: | "contaminated soil and concrete from leak in a 275 above ground tank. replacement underway. appears to be 5-10 gals of oil." |

All Materials:

| | |
|---|---|
| Site ID: | 89001 |
| Operable Unit ID: | 843663 |
| Operable Unit: | 01 |
| Material ID: | 531452 |
| Material Code: | 0001A |
| Material Name: | #2 fuel oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | .00 |

**POLE #26566 (Continued)** **S105135171**

| | |
|---|---|
| Units: | G |
| Recovered: | .00 |
| Oxygenate: | Not reported |

SPILLS:

| | |
|---|---|
| Name: | POLE #26566 |
| Address: | 30 BAIN AVE |
| City,State,Zip: | POUGHKEEPSIE, NY |
| Spill Number/Closed Date: | 0603939 / 2006-07-10 |
| Facility ID: | 0603939 |
| Facility Type: | ER |
| DER Facility ID: | 81342 |
| Site ID: | 366791 |
| DEC Region: | 3 |
| Spill Cause: | Equipment Failure |
| Spill Class: | C4 |
| SWIS: | 1446 |
| Spill Date: | 2006-07-10 |
| Investigator: | KABROWNE |
| Referred To: | Not reported |
| Reported to Dept: | 2006-07-10 |
| CID: | 444 |
| Water Affected: | Not reported |
| Spill Source: | Commercial/Industrial |
| Spill Notifier: | Other |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Std: | True |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 2006-07-10 |
| Spill Record Last Update: | 2007-01-05 |
| Spiller Name: | CHRIS DEROBERTS |
| Spiller Company: | POLE #26566 |
| Spiller Address: | 30 BAIN AVE |
| Spiller Company: | 001 |
| Contact Name: | CHRIS DEROBERTS |
| DEC Memo: | "12/11/06: V. MC. & NICK MEG RESPONDED - 2 GAL NON/PCB MILLER ENVIRONMENTAL ON SITE CONDUCTING CLEAN UP. CLOSED. NFA" |
| Remarks: | "LEAKING TRANSFORMER: NON PCB CONTAINED TO BASE OF POLE NO WATERWAYS EFFECTED" |

All Materials:

| | |
|---|---|
| Site ID: | 366791 |
| Operable Unit ID: | 1124722 |
| Operable Unit: | 01 |
| Material ID: | 2114225 |
| Material Code: | 0020A |
| Material Name: | transformer oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | 2.00 |
| Units: | G |
| Recovered: | 2.00 |
| Oxygenate: | Not reported |

**P67** **BERNCOLORS-POUGHKEEPSIE INC** **SEMS-ARCHIVE** **1014948178**
**NW** **75 N WATER ST** **RCRA NonGen / NLR** **NYD002013951**
**1/4-1/2** **POUGHKEEPSIE, NY 12601** **PRP**
**0.347 mi.** **ICIS**
**1830 ft.** **Site 1 of 2 in cluster P** **NY MANIFEST**

**Relative:**
**Lower**

**Actual:**
**7 ft.**

SEMS Archive:

| | |
|---|---|
| Site ID: | 0202752 |
| EPA ID: | NYD002013951 |
| Name: | BERN COLORS |
| Address: | 75 NORTH WATER ST |
| Address 2: | Not reported |
| City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| Cong District: | 01 |
| FIPS Code: | 36027 |
| FF: | N |
| NPL: | Not on the NPL |
| Non NPL Status: | Removal Only Site (No Site Assessment Work Needed) |

SEMS Archive Detail:

| | |
|---|---|
| Region: | 02 |
| Site ID: | 0202752 |
| EPA ID: | NYD002013951 |
| Site Name: | BERN COLORS |
| NPL: | N |
| FF: | N |
| OU: | 00 |
| Action Code: | RV |
| Action Name: | RMVL |
| SEQ: | 1 |
| Start Date: | 1982-01-14 05:00:00 |
| Finish Date: | 1982-02-10 05:00:00 |
| Qual: | C |
| Current Action Lead: | USCG |

| | |
|---|---|
| Region: | 02 |
| Site ID: | 0202752 |
| EPA ID: | NYD002013951 |
| Site Name: | BERN COLORS |
| NPL: | N |
| FF: | N |
| OU: | 00 |
| Action Code: | VS |
| Action Name: | ARCH SITE |
| SEQ: | 1 |
| Start Date: | Not reported |
| Finish Date: | 1996-01-23 05:00:00 |
| Qual: | Not reported |
| Current Action Lead: | EPA Perf In-Hse |

RCRA NonGen / NLR:

| | |
|---|---|
| Date Form Received by Agency: | 2007-01-01 00:00:00.0 |
| Handler Name: | BERNCOLORS-POUGHKEEPSIE INC |
| Handler Address: | 75 N WATER ST |
| Handler City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| EPA ID: | NYD002013951 |
| Contact Name: | Not reported |
| Contact Address: | N WATER ST |

**BERNCOLORS-POUGHKEEPSIE INC (Continued)** **1014948178**

| | |
|---|---|
| Contact City,State,Zip: | POUGHKEEPSIE,, NY 12601 |
| Contact Telephone: | Not reported |
| Contact Fax: | Not reported |
| Contact Email: | Not reported |
| Contact Title: | Not reported |
| EPA Region: | 02 |
| Land Type: | Not reported |
| Federal Waste Generator Description: | Not a generator, verified |
| Non-Notifier: | Not reported |
| Biennial Report Cycle: | Not reported |
| Accessibility: | Not reported |
| Active Site Indicator: | Not reported |
| State District Owner: | NY |
| State District: | NYSDEC R3 |
| Mailing Address: | N WATER ST |
| Mailing City,State,Zip: | POUGHKEEPSIE,, NY 12601 |
| Owner Name: | JAMES BERNARD |
| Owner Type: | Private |
| Operator Name: | JAMES BERNARD |
| Operator Type: | Private |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site Fed-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site Converter Treatment storage and Disposal Facility: | Not reported |
| Active Site State-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | NN |
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Not reported |
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |

**BERNCOLORS-POUGHKEEPSIE INC (Continued)** **1014948178**

| | |
|---|---|
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 2015-04-14 00:00:00.0 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | Not reported |
| Manifest Broker: | Not reported |
| Sub-Part P Indicator: | Not reported |

Hazardous Waste Summary:

| | |
|---|---|
| Waste Code: | NONE |
| Waste Description: | Not Defined |

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | JAMES BERNARD |
| Legal Status: | Private |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | NOT REQUIRED |
| Owner/Operator City,State,Zip: | NOT REQUIRED, WY 99999 |
| Owner/Operator Telephone: | 212-555-1212 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | JAMES BERNARD |
| Legal Status: | Private |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | NOT REQUIRED |
| Owner/Operator City,State,Zip: | NOT REQUIRED, WY 99999 |
| Owner/Operator Telephone: | 212-555-1212 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | JAMES BERNARD |
| Legal Status: | Private |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | NOT REQUIRED |
| Owner/Operator City,State,Zip: | NOT REQUIRED, WY 99999 |

**BERNCOLORS-POUGHKEEPSIE INC (Continued)** **1014948178**

| | |
|---|---|
| Owner/Operator Telephone: | 212-555-1212 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

Historic Generators:

| | |
|---|---|
| Receive Date: | 1995-03-28 00:00:00.0 |
| Handler Name: | BERNCOLORS-POUGHKEEPSIE INC |
| Federal Waste Generator Description: | Not reported |
| State District Owner: | NY |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | No |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |

| | |
|---|---|
| Receive Date: | 2006-01-01 00:00:00.0 |
| Handler Name: | BERNCOLORS-POUGHKEEPSIE INC |
| Federal Waste Generator Description: | Not a generator, verified |
| State District Owner: | NY |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | No |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |

| | |
|---|---|
| Receive Date: | 2007-01-01 00:00:00.0 |
| Handler Name: | BERNCOLORS-POUGHKEEPSIE INC |
| Federal Waste Generator Description: | Not a generator, verified |
| State District Owner: | NY |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | Yes |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |

| | |
|---|---|
| Receive Date: | 1980-07-21 00:00:00.0 |
| Handler Name: | BERNCOLORS-POUGHKEEPSIE INC |
| Federal Waste Generator Description: | Large Quantity Generator |
| State District Owner: | NY |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | No |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |

**BERNCOLORS-POUGHKEEPSIE INC (Continued)** **1014948178**

List of NAICS Codes and Descriptions:
NAICS Code: 325191
NAICS Description: GUM AND WOOD CHEMICAL MANUFACTURING

Facility Has Received Notices of Violation:
Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:
Evaluation Date: 1986-07-06 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: NYDEC
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

**BERNCOLORS-POUGHKEEPSIE INC (Continued)** **1014948178**

PRP Name: BERNCOLORS-POUGHKEEPSIE, INC.

ICIS:

| | |
|---|---|
| Enforcement Action ID: | 02-1986-0335 |
| FRS ID: | 110004336424 |
| Action Name: | BERNCOLORS-POUGHKEEPSIE, |
| Facility Name: | BERNCOLORS-POUGHKEEPSIE INC |
| Facility Address: | 75 N WATER ST<br>POUGHKEEPSIE, NY 12601 |
| Enforcement Action Type: | TSCA 16 Action For Penalty |
| Facility County: | DUTCHESS |
| Program System Acronym: | ICIS |
| Enforcement Action Forum Desc: | Administrative - Formal |
| EA Type Code: | 16 |
| Facility SIC Code: | 5169 |
| Federal Facility ID: | Not reported |
| Latitude in Decimal Degrees: | 41.708195 |
| Longitude in Decimal Degrees: | -73.93907 |
| Permit Type Desc: | Not reported |
| Program System Acronym: | 27586 |
| Facility NAICS Code: | Not reported |
| Tribal Land Code: | Not reported |

| | |
|---|---|
| Enforcement Action ID: | 02-1982-0031 |
| FRS ID: | 110004336424 |
| Action Name: | BERNCOLORS |
| Facility Name: | BERNCOLORS-POUGHKEEPSIE INC |
| Facility Address: | 75 N WATER ST<br>POUGHKEEPSIE, NY 12601 |
| Enforcement Action Type: | Civil Judicial Action |
| Facility County: | DUTCHESS |
| Program System Acronym: | ICIS |
| Enforcement Action Forum Desc: | Judicial |
| EA Type Code: | CIV |
| Facility SIC Code: | 5169 |
| Federal Facility ID: | Not reported |
| Latitude in Decimal Degrees: | 41.708195 |
| Longitude in Decimal Degrees: | -73.93907 |
| Permit Type Desc: | Not reported |
| Program System Acronym: | 27586 |
| Facility NAICS Code: | Not reported |
| Tribal Land Code: | Not reported |

| | |
|---|---|
| Facility Name: | BERNCOLORS-POUGHKEEPSIE INC |
| Address: | 75 N WATER ST |
| Tribal Indicator: | N |
| Fed Facility: | No |
| NAIC Code: | Not reported |
| SIC Code: | 5169 |

| | |
|---|---|
| Facility Name: | BERNCOLORS-POUGHKEEPSIE INC |
| Address: | 75 N WATER ST |
| Tribal Indicator: | N |
| Fed Facility: | No |
| NAIC Code: | Not reported |
| SIC Code: | 5169 |

**BERNCOLORS-POUGHKEEPSIE INC (Continued)** **1014948178**

Facility Name: BERNCOLORS-POUGHKEEPSIE INC
Address: 75 N WATER ST
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 5169

Facility Name: BERNCOLORS-POUGHKEEPSIE INC
Address: 75 N WATER ST
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 5169

Facility Name: BERNCOLORS-POUGHKEEPSIE INC
Address: 75 N WATER ST
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 5169

Facility Name: BERNCOLORS-POUGHKEEPSIE INC
Address: 75 N WATER ST
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 5169

Facility Name: BERNCOLORS-POUGHKEEPSIE INC
Address: 75 N WATER ST
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 5169

Facility Name: BERNCOLORS-POUGHKEEPSIE INC
Address: 75 N WATER ST
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 5169

NY MANIFEST:
Name: BERNCOLORS - POUGHKEEPSIE
Address: 75 N WATER ST
City,State,Zip: POUGHKEEPSIE, NY 12601
Country: USA
EPA ID: NYD002013951
Facility Status: Not reported
Location Address 1: 75 NORTH WATER ST
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: POUGHKEEPSIE
Location State: NY
Location Zip: 12602
Location Zip 4: Not reported

**BERNCOLORS-POUGHKEEPSIE INC (Continued)** **1014948178**

NY MANIFEST:

| | |
|---|---|
| EPAID: | NYD002013951 |
| Mailing Name: | BERNCOLORS - POUGHKEEPSIE |
| Mailing Contact: | RANDY JENSEN |
| Mailing Address 1: | P O BOX 29 |
| Mailing Address 2: | Not reported |
| Mailing City: | POUGHKEEPSIE |
| Mailing State: | NY |
| Mailing Zip: | 12602 |
| Mailing Zip 4: | Not reported |
| Mailing Country: | USA |
| Mailing Phone: | 9144546700 |

NY MANIFEST:

| | |
|---|---|
| Document ID: | NYG0867753 |
| Manifest Status: | Not reported |
| seq: | 01 |
| Year: | 1998 |
| Trans1 State ID: | 35726ANY |
| Trans2 State ID: | Not reported |
| Generator Ship Date: | 02/25/1998 |
| Trans1 Recv Date: | 02/25/1998 |
| Trans2 Recv Date: | Not reported |
| TSD Site Recv Date: | 02/25/1998 |
| Part A Recv Date: | Not reported |
| Part B Recv Date: | Not reported |
| Generator EPA ID: | NYD002013951 |
| Trans1 EPA ID: | NYD057770109 |
| Trans2 EPA ID: | Not reported |
| TSDF ID 1: | NYD057770109 |
| TSDF ID 2: | Not reported |
| Manifest Tracking Number: | Not reported |
| Import Indicator: | Not reported |
| Export Indicator: | Not reported |
| Discr Quantity Indicator: | Not reported |
| Discr Type Indicator: | Not reported |
| Discr Residue Indicator: | Not reported |
| Discr Partial Reject Indicator: | Not reported |
| Discr Full Reject Indicator: | Not reported |
| Manifest Ref Number: | Not reported |
| Alt Facility RCRA ID: | Not reported |
| Alt Facility Sign Date: | Not reported |
| MGMT Method Type Code: | Not reported |
| Waste Code: | D007 - CHROMIUM 5.0 MG/L TCLP |
| Waste Code: | Not reported |
| Waste Code: | Not reported |
| Waste Code: | Not reported |
| Waste Code: | Not reported |
| Waste Code: | Not reported |
| Quantity: | 00345 |
| Units: | G - Gallons (liquids only)* (8.3 pounds) |
| Number of Containers: | 009 |
| Container Type: | DM - Metal drums, barrels |
| Handling Method: | T Chemical, physical, or biological treatment. |
| Specific Gravity: | 01.00 |

**P68** **BERNCOLORS POUGHKEEPSIE, INC.** **NY HSWDS** **S108146880**
**NW** **75 NORTH WATER STREET** **N/A**
**1/4-1/2** **POUGHKEEPSIE, NY 12602**
**0.347 mi.**
**1830 ft.** **Site 2 of 2 in cluster P**

**Relative:**
**Lower**

**Actual:**
**7 ft.**

HSWDS:

| | |
|---|---|
| Facility ID: | Not reported |
| Region: | 3 |
| Facility Status: | Unknown |
| Owner Type: | Puplic |
| Owner: | Berncolors Poughkeepsie, Inc. |
| Owner Address: | P.O. Box 29 |
| Owner Phone: | (914)454-6700 |
| Operator Type: | Same |
| Operator: | Unknown |
| Operator: | Unknown |
| Operator Phone: | Unknown |
| EPA ID: | NYD002013951 |
| Registry: | D |
| Registry Site ID: | 314026 |
| RCRA Permitted: | Unknown |
| Site Code: | Leaking tanks, drums, lagoons, other containers |
| Owner City State: | Poughkeepsie |
| Operator City State: | Not reported |
| Quadrange: | Poughkeepsie |
| Latitude: | 41 42 30 N |
| Longitude: | 73 56 25 W |
| Acres: | 1.00 |
| Operator Date: | Unknown |
| Close Date: | Unknown |
| Completed: | Phase 2 |
| Active: | Unknown |
| PCB's Disposed: | No |
| Pesticides Disposed: | No |
| Metals Disposed: | No |
| Asbestos Disposed: | No |
| Volatile Organic Compounds Disposed: | Yes |
| Semi Volatile Organic Compounds Disposed: | Yes |
| Analytical Info Exists for Air: | Not reported |
| Analytical Info Exists for Ground: | Groundwater |
| Analytical Info Exists for Surface: | Not reported |
| Analytical Info Exists for Sediments: | Not reported |
| Analytical Info Exists for Surface: | Surface Soil |
| Analytical Info Exists for Substance: | Subsurface |
| Analytical Info Exists for Waste: | Not reported |
| Analytical Info Exists for Leachate: | Not reported |
| Analytical Info Exists for EP Toxicity: | EPTox |
| Analytical Info Exists for TCLP: | Not reported |
| Threat to Environment/Public Health: | N |
| Surface Water Contamination: | Yes |
| Surface Water Body Class: | Unknown |
| Groundwater Contamination: | Unknown |
| Groundwater Classification: | Unknown |
| Drinking Water Contamination: | No |
| Drinking Water Supply is Active: | Unknown |
| Any Known Fish or Wildlife: | Unknown |
| Hazardous Exposure: | Unknown |
| Site Has Controlled Acess: | No |

**BERNCOLORS POUGHKEEPSIE, INC. (Continued)** **S108146880**

| | |
|---|---|
| Ambient Air Contamination: | Unknown |
| Direct Contact: | Yes |
| EPA Hazardous Ranking System Score: | Unknown |
| Inventory: | F |
| Nefrap: | Not reported |
| Mailing: | Not reported |
| Tax Map No: | Not reported |
| Qualify: | 0 |
| Next Action: | Not reported |
| Agencies: | Not reported |
| Air: | Not reported |
| Building: | Not reported |
| Site Desc: | Not reported |
| Drink: | Not reported |
| Eptox: | Not reported |
| Fish: | Not reported |
| Ground: | Not reported |
| Ground Desc: | Not reported |
| Hazardous Threat: | Not reported |
| Haz Threat Desc: | Not reported |
| Leachate: | Not reported |
| Preparer: | Not reported |
| Sediment: | Not reported |
| Soil: | Not reported |
| Surface: | Not reported |
| Status: | Not reported |
| Surface Soil: | Not reported |
| Surface: | Not reported |
| TCLP: | Not reported |
| Waste: | Not reported |

---

**69**
**East**
**1/4-1/2**
**0.370 mi.**
**1954 ft.**

**HRH LEAD ABATEMENT SITE** **NY SHWS** **S112141403**
**55 GARDEN STREET** **N/A**
**POUGHKEEPSIE, NY 12601**

**Relative:**
**Higher**

**Actual:**
**181 ft.**

SHWS:

| | |
|---|---|
| Name: | HRH LEAD ABATEMENT SITE |
| Address: | 55 GARDEN STREET |
| City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| Program: | HW |
| Site Code: | 502049 |
| Classification: | Not reported |
| Region: | 3 |
| Acres: | 0.17000000000000001 |
| HW Code: | 314122 |
| Record Add: | 11/18/2014 |
| Record Upd: | 03/30/2017 |
| Updated By: | GWHEITZM |
| Site Description: | Location: The site is located at 55 Garden Street in the City of Poughkeepsie, Dutchess County. Site Features: The 0.17 acre site includes a single family home with small front and rear yards. Current Zoning and Land Use: The site is currently zoned and in use as a single family residence. Past Use of the Site: The site was a single family residence that was abated for lead paint as part of a rehabilitation project. Site Geology and Hydrogeology: |
| Env Problem: | The primary contaminant associated with the site is lead, which |

**HRH LEAD ABATEMENT SITE (Continued)** **S112141403**

resulted from the abatement of lead paint as part of the rehabilitation of the structure. All lead resulting from the abatement was containerized and properly disposed off-site.

| | |
|---|---|
| Health Problem: | Not reported |
| Dump: | Not reported |
| Structure: | Not reported |
| Lagoon: | Not reported |
| Landfill: | Not reported |
| Pond: | Not reported |
| Disp Start: | Not reported |
| Disp Term: | Not reported |
| Lat/Long: | Not reported |
| Dell: | Not reported |
| Record Add: | Not reported |
| Record Upd: | Not reported |
| Updated By: | Not reported |
| Own Op: | 1 |
| Sub Type: | C04 |
| Owner Name: | Ed Murphy |
| Owner Company: | HRH Neighborhood Development Fund Company |
| Owner Address: | 313 Miller Street |
| Owner Addr2: | Not reported |
| Owner City,St,Zip: | Poughkeepsie, NY 12601 |
| Owner Country: | United States of America |
| HW Code: | Not reported |
| Waste Type: | Not reported |
| Waste Quantity: | Not reported |
| Waste Code: | Not reported |
| Crossref ID: | Not reported |
| Cross Ref Type Code: | Not reported |
| Cross Ref Type: | Not reported |
| Record Added Date: | Not reported |
| Record Updated: | Not reported |
| Updated By: | Not reported |

---

**70**
**SSW**
**1/4-1/2**
**0.387 mi.**
**2041 ft.**

**POUGHKEEPSIE GAS WORKS** **EDR MGP** **1008408026**
**LAUREL STREET** **N/A**
**POUGHKEEPSIE, NY 12601**

**Relative:**
**Lower**

**Actual:**
**58 ft.**

Manufactured Gas Plants:
No additional information available

---

**71**
**East**
**1/4-1/2**
**0.393 mi.**
**2075 ft.**

**5FB MORSE SCHOOL** **NY LTANKS** **S100494117**
**104 MANSION STREET** **N/A**
**POUGHKEEPSIE, NY**

**Relative:**
**Higher**

**Actual:**
**172 ft.**

LTANKS:

| | |
|---|---|
| Name: | 5FB MORSE SCHOOL |
| Address: | 104 MANSION STREET |
| City,State,Zip: | POUGHKEEPSIE, NY |

**5FB MORSE SCHOOL (Continued)** **S100494117**

| | |
|---|---|
| Spill Number/Closed Date: | 9207851 / 1992-10-12 |
| Facility ID: | 9207851 |
| Site ID: | 296056 |
| Spill Date: | 1992-10-07 |
| Spill Cause: | Tank Test Failure |
| Spill Source: | Institutional, Educational, Gov., Other |
| Spill Class: | C3 |
| Cleanup Ceased: | 1992-10-12 |
| SWIS: | 1446 |
| Investigator: | WXWADSWO |
| Referred To: | Not reported |
| Reported to Dept: | 1992-10-07 |
| CID: | Not reported |
| Water Affected: | Not reported |
| Spill Notifier: | Other |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| Meets Standard: | False |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 1992-10-09 |
| Spill Record Last Update: | 1992-12-09 |
| Spiller Name: | Not reported |
| Spiller Company: | SAME |
| Spiller Address: | Not reported |
| Spiller County: | 001 |
| Spiller Contact: | Not reported |
| Spiller Phone: | Not reported |
| Spiller Extention: | Not reported |
| DEC Region: | 3 |
| DER Facility ID: | 239585 |
| DEC Memo: | "Prior to Sept, 2004 data translation this spill Lead_DEC Field was WADSWORTH 09/27/95: This is additional information about material spilled from the translation of the old spill file: TANK TEST." |
| Remarks: | "EIR HORNER EZ-CHECK" |

All TTF:

| | |
|---|---|
| Facility ID: | 9207851 |
| Spill Number: | 9207851 |
| Spill Tank Test: | 1540680 |
| Site ID: | 296056 |
| Tank Number: | Not reported |
| Tank Size: | 0 |
| Material: | 0001 |
| EPA UST: | Not reported |
| UST: | Not reported |
| Cause: | Not reported |
| Source: | Not reported |
| Test Method: | 00 |
| Test Method 2: | Unknown |
| Leak Rate: | .00 |
| Gross Fail: | Not reported |
| Modified By: | Spills |
| Last Modified Date: | Not reported |

All Materials:

| | |
|---|---|
| Site ID: | 296056 |

**5FB MORSE SCHOOL (Continued)** **S100494117**

| | |
|---|---|
| Operable Unit ID: | 971502 |
| Operable Unit: | 01 |
| Material ID: | 408464 |
| Material Code: | 0001A |
| Material Name: | #2 fuel oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | .00 |
| Units: | Not reported |
| Recovered: | .00 |
| Oxygenate: | Not reported |

---

**Q72** **CH - WATER ST. - POUGHKEEPSIE MGP** **NY VCP** **S106906509**
**NW** **NORTH WATER STREET** **NY BROWNFIELDS** **N/A**
**1/4-1/2** **POUGHKEEPSIE, NY 12601**
**0.403 mi.**
**2128 ft.** **Site 1 of 2 in cluster Q**

**Relative:** **Lower**

**Actual:** **71 ft.**

VCP:

| | |
|---|---|
| Name: | CH - WATER ST. - POUGHKEEPSIE MGP |
| Address: | NORTH WATER STREET |
| City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| Program Type: | VCP |
| Site Code: | 56927 |
| HW Code: | V00291 |
| Site Class: | Not reported |
| SWIS: | 1413 |
| Region: | 3 |
| Town: | Poughkeepsie (c) |
| Acres: | Not reported |
| Date Record Added: | 11/30/2000 |
| Date Record Updated: | 04/08/2011 |
| Updated By: | RXSCHICK |
| Site Description: | See C314070 |
| Env Problem: | Not reported |
| Health Problem: | Not reported |
| Dump: | Not reported |
| Structure: | Not reported |
| Lagoon: | Not reported |
| Landfill: | Not reported |
| Pond: | Not reported |
| Disp Start: | Not reported |
| Disp Term: | Not reported |
| Lat/Long: | Not reported |
| Dell: | Not reported |
| Record Add: | Not reported |
| Record Upd: | Not reported |
| Updated By: | Not reported |
| Own Op: | 6 |
| Sub Type: | ZZZ |
| Owner Name: | Not reported |
| Owner Company: | CENTRAL HUDSON GAS & ELECTRIC CORP. |
| Owner Address: | Not reported |
| Owner Addr2: | Not reported |
| Owner City,St,Zip: | ZZ |
| Owner Country: | United States of America |
| HW Code: | Not reported |

**CH - WATER ST. - POUGHKEEPSIE MGP (Continued)** **S106906509**

| | |
|---|---|
| Waste Type: | Not reported |
| Waste Quantity: | Not reported |
| Waste Code: | Not reported |
| Crossref ID: | Not reported |
| Cross Ref Type Code: | Not reported |
| Cross Ref Type: | Not reported |
| Record Added Date: | Not reported |
| Record Updated: | Not reported |
| Updated By: | Not reported |

BROWNFIELDS:

| | |
|---|---|
| Name: | CH - WATER ST. - POUGHKEEPSIE MGP |
| Address: | NORTH WATER STREET |
| City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| Program: | BCP |
| Site Code: | 57435 |
| Acres: | 13 |
| HW Code: | C314070 |
| SWIS: | 1413 |
| Town: | Poughkeepsie (c) |
| Record Added Date: | 06/15/2004 |
| Record Updated Date: | 03/25/2020 |
| Update By: | DJEATON |
| Site Description: | Location: The site is located on the eastern bank of the Hudson River at the end of Dutchess Avenue, in the north end of the City of Poughkeepsie. The site is approximately 13 acres in size and is bounded by: the Hudson River to the west, Dutchess Avenue to the north, North Water Street to the east and the Fallkill Creek to the south. An abandoned lumber treatment facility (AC Dutton Lumber), remediated under a Brownfield Cleanup Agreement and currently under redevelopment, forms the remainder of the northern site boundary. To the east, beyond Water Street, lies a Metro North railroad yard. Site Features: The upland portion of the site consists of two relatively flat terraces, separated by steep, rocky slopes with very thin soil cover. The lower terrace lies on the banks of the Hudson River, roughly 5-10 feet above sea level. The upper terrace is roughly 50 feet higher, bordering Water Street. The only permanent structure located at the site is an unoccupied cinder block valve house associated with the gas regulator station. Important energy infrastructure is located on the site. Gas and electric lines cross beneath the Hudson River at this location, and connect with gas and electrical lines which serve much wider areas surrounding Poughkeepsie. An electrical transformer station is located on the lower terrace at the southwestern portion of the site, where the electrical transmission line meets the shoreline and a natural gas regulator station occupies the northwestern corner of the lower terrace of the site where the gas transmission line meets the shoreline. The transformer station and regulator station are each enclosed within a fence. Current Zoning and Land Use: The site is zoned for industrial use. Surrounding land uses are predominantly, but not exclusively, industrial. Immediately north and south of the site, riverfront access provides for recreational use of the waterfront. Immediately across Dutchess Avenue to the north of the site, a large scale restricted residential redevelopment is underway. Two residences are situated directly across Dutchess Avenue at the northeast corner of the site. The City of Poughkeepsie has supported efforts to construct a continuous pedestrian walkway along the river |

**CH - WATER ST. - POUGHKEEPSIE MGP (Continued)** **S106906509**

bank, and to connect this walkway with the Walkway Over the Hudson, which occupies a former railroad bridge that spans the site and the Hudson River. It is anticipated that the riverfront walkway may be extended to include riverfront portions of this MGP site at some point in the future. Past Uses of the Site: The site housed a large manufactured gas plant (MGP) from 1911 to the mid-1950s. Coal tar from the gas manufacturing process leaked from storage vessels and piping, and is still present in the subsurface. Some of these tars still discharge sporadically into the Hudson River. Previous investigations at the site include: Phase 1 Investigation (1986), Phase 2 Investigation (1990), Supplemental RCRA Testing (1991), Supplemental Preliminary Site Assessment (2000), Supplemental Land Investigation (2003), Supplemental Land and River Investigations (2004), Supplemental River and Land Investigations (2005). Site Geology and Hydrogeology: The upper tier of the site consists of highly deformed slate and limestone bedrock, with a very thin fill cover. The lower tier consists of fill containing broken rock derived from the blasting of the cliff face and silty sand. Bedrock on the lower tier ranges from 0 to 15' below grade, deepening toward the river. Groundwater levels on the upper tier range from 10 to 19 feet below ground surface (bgs) and from 0 to 14 feet bgs on the lower tier. Flow in both the overburden and bedrock aquifers is to the west, toward the river. The Hudson River in this area is a tidal stream and tidal influences to near shore groundwater levels on the lower tier is pronounced.

Env Problem:

Contaminants of Concern: The principal waste disposed on the site was manufactured gas plant (MGP) tar, which is a brown, oily liquid that is slightly denser than water. Large amounts of this tar escaped into the subsurface from plant structures located on the lower terrace near the river bank. This tar can still be found in soils and bedrock beneath the site. Tar was also discharged directly to the Hudson River, where it is found in sediments on the river bottom. The tar contains high levels of benzene, toluene, ethylbenzene and xylenes, collectively known as BTEX, and polycyclic aromatic hydrocarbon (PAH) compounds. Both groups of compounds have been found in site groundwater. Impacted Media: The soil and bedrock aquifers beneath the western portion of the site, along the banks of the Hudson River, are contaminated with separate phase MGP tar and with dissolved benzene, toluene, ethylbenzene and xylene (BTEX) and polycyclic aromatic hydrocarbon (PAH) compounds derived from the tar. MGP tar is being collected on a bi-annual basis from two wells along the western boundary of the site. Over 500 gallons have been collected from one overburden well along the riverfront. Hudson River sediments contain MGP tar and PAH contamination derived from the tar. Subsurface Soil and Bedrock: On the upper tier of the site, tar was observed in bedrock fractures in 3 of 32 soil borings. On the lower tier of the site, tar was observed in subsurface soil in 54 of 68 sample locations. BTEX was detected in 15 of the 20 samples analyzed. PAH constituents were detected in 19 of 20 samples. Total BTEX concentrations ranged from 0.001 to 916 parts per million (ppm) and total PAH concentrations ranged from 0.17 ppm to 16,300 ppm. Twelve of the 20 samples analyzed contained concentrations of the following individual constituents above the industrial use soil clean-up objectives (SCOs): benzene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, naphthalene, phenanthrene, and pyrene. Six subsurface soil samples were collected and analyzed for target analyte list (TAL) metals. One or more metals

**CH - WATER ST. - POUGHKEEPSIE MGP (Continued)** **S106906509**

were detected at each location. Arsenic was detected at concentrations exceeding industrial use SCOs at one location that is co-located with visible non-aqueous phase liquid (NAPL) and industrial use SCO exceedances for PAHs. Surface Soil: Twenty-two surface soil samples were collected and analyzed for BTEX and PAHs. BTEX constituents were detected in 7 of the 22 samples with total BTEX concentrations ranging from 0.00061 ppm to 151 ppm. No samples exhibited concentrations of individual BTEX constituents above industrial use SCOs. PAH constituents were detected in 21 of the 22 samples, with detected total PAH concentrations ranging from 0.55 ppm to 5,200 ppm. Thirteen of the twenty-two samples exhibited concentrations of one or more of the following individual PAH constituents exceeding industrial use SCOs: benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, dibenzo(a,h)anthracene, indeno(1,2,3,c-d)pyrene, naphthalene. Twenty surface soil samples were analyzed for TAL metals. Measurable concentrations of metals were detected in 14 of the 20 samples. None of the concentrations exceeded industrial use SCOs. Groundwater: In three overburden wells sampled, BTEX concentrations ranged from non-detect to 9,744 parts per billion (ppb) and total PAH concentrations ranged from non-detect to 691 ppb. Trace thicknesses of NAPL were observed in all three overburden wells. In four bedrock wells sampled, total BTEX concentrations ranged from non-detect to 138 ppb and total PAH concentrations ranged from non-detect to 462 ppb. In three bedrock wells sampled for TAL metals, cadmium was detected at concentrations ranging from 5 to 8 ppb and cyanide was detected at concentrations ranging from 80 to 460 ppb. Trace thicknesses of non-aqueous phase liquid (NAPL) were observed in three of the four bedrock wells sampled. Groundwater samples exceeded Ambient Water Quality Standards for the following individual constituents: benzene, ethylbenzene, m/p-Xylene, o-Xylene and toluene; acenapthene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, fluorene, indeno(1,2,3-cd)pyrene, naphthalene, phenanthrene, pyrene, cadmium and cyanide. Sediment: Tar impacted sediments extend approximately 300 feet from the shoreline, and from approximately 350 feet north of the gas transmission line to approximately 350 feet south of the electrical transmission line. BTEX was observed in each of the nine sediment samples analyzed for volatile organic compounds (VOCs), with total BTEX concentrations ranging from 0.0091 ppm to 1,310 ppm. PAHs were detected in 239 of 249 samples analyzed for semi-volatile organic compounds (SVOCs), with concentrations ranging from non-detect to 21,200 ppm. 207 of the 239 samples collected for SVOC analysis exceeded the Class A sediment screening value of 4 ppm total PAH. Surface Water: Three surface water samples were collected from the Hudson River for analysis. Although none of the analytical results exceeded ambient water quality standards, the gas ebullition within tar-impacted river sediments routinely results in sheens and slicks on the river surface near the site. Soil Vapor: Two of the twenty four soil vapor samples collected on the site exhibited detectable levels of benzene ranging from 32 ug/m3 to 64 ug/m3 respectively . Special Resources impacted. The Hudson River is impacted by coal tar in the area near the MGP site, with both sediments and the overlying water column affected. Tar continues to move into the Hudson River by subsurface migration from upland source areas, but the principal impact of tar to the water column is the result of releases of tar from the tar contaminated on the river bottom which causes frequent slicks and sheens on the water surface,

**CH - WATER ST. - POUGHKEEPSIE MGP (Continued)** **S106906509**

| | |
|---|---|
| | primarily during the warm weather months. The site is within the Kingston-Poughkeepsie Deepwater Significant Coastal Fish and Wildlife Habitat area, a stretch of the Hudson River that is ecologically important to the life history of two endangered species, the Atlantic and Shortnose Sturgeon. |
| Health Problem: | Access to the site is restricted and measures are in place to control the potential for coming in contact with subsurface soil and groundwater contamination remaining on the site. Contaminated groundwater at the site is not used for drinking or other purposes, and the site is served by a public water supply that obtains water from a different source not affected by this contamination. Volatile organic compounds in the soil or groundwater may move into the soil vapor (air spaces within the soil), which in turn may move into overlying buildings and affect the indoor air quality. This process, which is similar to movement of radon gas from the subsurface into the indoor air of buildings, is referred to as soil vapor intrusion. Because there are no occupied buildings on the site, the inhalation of site-related contaminants due to soil vapor intrusion does not represent a current concern. People using the Hudson River for recreational purposes such as boating may come into contact with site-related contaminants associated with sheens present on the water's surface. |
| Dump: | False |
| Structure: | False |
| Lagoon: | False |
| Landfill: | False |
| Pond: | False |
| Disp Start: | Not reported |
| Disp Term: | Not reported |
| Lat/Long: | Not reported |
| Dell: | False |
| Record Add: | 7/20/2004 12:37:00 PM |
| Record Upd: | 12/31/2015 10:15:00 AM |
| Updated By: | HTWILLEM |
| Own Op: | 6 |
| Sub Type: | P02 |
| Owner Name: | Wayne Mancroni |
| Owner Company: | Central Hudson Gas And Electric Corporation |
| Owner Address: | 284 South Avenue |
| Owner Addr2: | Not reported |
| Owner City,St,Zip: | Poughkeepsie, NY 12601 |
| Owner Country: | United States of America |
| Own Op: | Document Repository |
| Sub Type: | C01 |
| Owner Name: | Not reported |
| Owner Company: | Adriance Memorial Library |
| Owner Address: | 93 Market Street |
| Owner Addr2: | Not reported |
| Owner City,St,Zip: | Poughkeepsie, NY 12601 |
| Owner Country: | United States of America |
| Own Op: | 1 |
| Sub Type: | E |
| Owner Name: | Not reported |
| Owner Company: | CENTRAL HUDSON GAS & ELECTRIC CORP. |
| Owner Address: | Not reported |
| Owner Addr2: | Not reported |
| Owner City,St,Zip: | ZZ |

**CH - WATER ST. - POUGHKEEPSIE MGP (Continued)** **S106906509**

| | |
|---|---|
| Owner Country: | United States of America |
| HW Code: | Not reported |
| Waste Type: | benzene, toluene, ethylbenzene and xylenes (BTEX) |
| Waste Quantity: | UNKNOWN |
| Waste Code: | Not reported |
| HW Code: | Not reported |
| Waste Type: | polycyclic aromatic hydrocarbons (PAHS), total |
| Waste Quantity: | UNKNOWN |
| Waste Code: | Not reported |
| HW Code: | Not reported |
| Waste Type: | COAL TAR |
| Waste Quantity: | UNKNOWN |
| Waste Code: | Not reported |
| Crossref ID: | Not reported |
| Cross Ref Type Code: | 1 |
| Cross Ref Type: | Spill No. |
| Record Added Date: | 8/13/2015 1:56:00 PM |
| Record Updated: | 8/13/2015 1:56:00 PM |
| Updated By: | JBODEE |
| Crossref ID: | Not reported |
| Cross Ref Type Code: | 1 |
| Cross Ref Type: | Spill No. |
| Record Added Date: | 8/13/2012 4:34:00 PM |
| Record Updated: | 8/13/2012 4:34:00 PM |
| Updated By: | kabrowne |
| Crossref ID: | Not reported |
| Cross Ref Type Code: | 1 |
| Cross Ref Type: | Spill No. |
| Record Added Date: | 10/4/2013 2:47:00 PM |
| Record Updated: | 10/4/2013 2:47:00 PM |
| Updated By: | JBODEE |
| Crossref ID: | Not reported |
| Cross Ref Type Code: | 1 |
| Cross Ref Type: | Spill No. |
| Record Added Date: | 10/4/2013 3:14:00 PM |
| Record Updated: | 10/4/2013 3:14:00 PM |
| Updated By: | JBODEE |
| Crossref ID: | Not reported |
| Cross Ref Type Code: | 1 |
| Cross Ref Type: | Spill No. |
| Record Added Date: | 1/8/2019 12:08:00 PM |
| Record Updated: | 1/8/2019 12:08:00 PM |
| Updated By: | MDKILMER |
| Crossref ID: | Not reported |
| Cross Ref Type Code: | 1 |
| Cross Ref Type: | Spill No. |
| Record Added Date: | 12/28/2018 11:06:00 AM |
| Record Updated: | 12/28/2018 11:06:00 AM |
| Updated By: | BTRANSOM |
| Crossref ID: | Not reported |
| Cross Ref Type Code: | 1 |
| Cross Ref Type: | Spill No. |
| Record Added Date: | 12/11/2018 9:25:00 AM |
| Record Updated: | 12/11/2018 9:25:00 AM |
| Updated By: | MXLENNA |
| Crossref ID: | Not reported |
| Cross Ref Type Code: | 1 |

**CH - WATER ST. - POUGHKEEPSIE MGP (Continued)** **S106906509**

| | |
|---|---|
| Cross Ref Type: | Spill No. |
| Record Added Date: | 12/10/2018 9:11:00 AM |
| Record Updated: | 12/10/2018 9:11:00 AM |
| Updated By: | RDBENDEL |
| Crossref ID: | Not reported |
| Cross Ref Type Code: | 1 |
| Cross Ref Type: | Spill No. |
| Record Added Date: | 8/14/2019 9:00:00 AM |
| Record Updated: | 8/14/2019 9:00:00 AM |
| Updated By: | JBODEE |
| Crossref ID: | Not reported |
| Cross Ref Type Code: | 1 |
| Cross Ref Type: | Spill No. |
| Record Added Date: | 10/17/2019 12:17:00 PM |
| Record Updated: | 10/17/2019 12:17:00 PM |
| Updated By: | JAGIORDA |
| Crossref ID: | Not reported |
| Cross Ref Type Code: | 1 |
| Cross Ref Type: | Spill No. |
| Record Added Date: | 1/7/2019 12:08:00 PM |
| Record Updated: | 1/7/2019 12:08:00 PM |
| Updated By: | GAAHLERS |
| Crossref ID: | Not reported |
| Cross Ref Type Code: | 1 |
| Cross Ref Type: | Spill No. |
| Record Added Date: | 1/9/2019 9:52:00 AM |
| Record Updated: | 1/9/2019 9:52:00 AM |
| Updated By: | GAAHLERS |
| Crossref ID: | Not reported |
| Cross Ref Type Code: | 1 |
| Cross Ref Type: | Spill No. |
| Record Added Date: | 12/10/2018 12:56:00 PM |
| Record Updated: | 12/10/2018 12:56:00 PM |
| Updated By: | RDBENDEL |
| Crossref ID: | Not reported |
| Cross Ref Type Code: | 1 |
| Cross Ref Type: | Spill No. |
| Record Added Date: | 10/16/2017 10:43:00 AM |
| Record Updated: | 10/16/2017 10:43:00 AM |
| Updated By: | JBODEE |
| Crossref ID: | D3-0004-99-04 |
| Cross Ref Type Code: | 23 |
| Cross Ref Type: | Agreement/Consent Order Number |
| Record Added Date: | 2/8/2018 9:22:00 AM |
| Record Updated: | 2/8/2018 9:22:00 AM |
| Updated By: | DKMACNEA |
| Crossref ID: | Not reported |
| Cross Ref Type Code: | 1 |
| Cross Ref Type: | Spill No. |
| Record Added Date: | 7/23/2010 12:49:00 PM |
| Record Updated: | 7/23/2010 12:49:00 PM |
| Updated By: | jbodee |
| Crossref ID: | Not reported |
| Cross Ref Type Code: | 1 |
| Cross Ref Type: | Spill No. |
| Record Added Date: | 7/1/2010 8:53:00 AM |
| Record Updated: | 7/1/2010 8:53:00 AM |

**CH - WATER ST. - POUGHKEEPSIE MGP (Continued)** **S106906509**

| | |
|---|---|
| Updated By: | ELMOORE |
| Crossref ID: | Not reported |
| Cross Ref Type Code: | 1 |
| Cross Ref Type: | Spill No. |
| Record Added Date: | 3/25/2011 2:48:00 PM |
| Record Updated: | 3/25/2011 2:48:00 PM |
| Updated By: | jbodee |
| Crossref ID: | Not reported |
| Cross Ref Type Code: | 1 |
| Cross Ref Type: | Spill No. |
| Record Added Date: | 3/25/2011 2:49:00 PM |
| Record Updated: | 3/25/2011 2:49:00 PM |
| Updated By: | jbodee |
| Crossref ID: | V00291 |
| Cross Ref Type Code: | 4 |
| Cross Ref Type: | VCP Site ID |
| Record Added Date: | 3/14/2007 10:07:00 AM |
| Record Updated: | 3/14/2007 10:07:00 AM |
| Updated By: | KEREINH |

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**R73**
**ESE**
**1/4-1/2**
**0.410 mi.**
**2163 ft.**

**LUCKEY PLATT BUILDING** **NY ERP** **S113917249**
**332 - 346 MAIN STREET** **N/A**
**POUGHKEEPSIE, NY**

**Site 1 of 3 in cluster R**

**Relative:**
**Higher**

**Actual:**
**181 ft.**

ERP:

| | |
|---|---|
| Name: | LUCKEY PLATT BUILDING |
| Address: | 332 - 346 MAIN STREET |
| City,State,Zip: | POUGHKEEPSIE, NY |
| Site Code: | 57376 |
| Program: | ERP |
| HW Code: | E314110 |
| Site Class: | Not reported |
| Class N: | Not reported |
| SWIS: | 1413 |
| Region: | 3 |
| Town: | Poughkeepsie (c) |
| Acres: | 0.68 |
| Record Added: | 04/14/2004 |
| Record Updated: | 04/14/2005 |
| Updated By: | KALEWAND |
| Site Description: | Application withdrawn 8/16/04 |
| Env Problem: | Not reported |
| Health Problem: | Not reported |

---

**74**
**SW**
**1/4-1/2**
**0.416 mi.**
**2198 ft.**

**POUGHKEEPSIE NAVINDRES** **FUDS** **1024899294**
**N/A**
**POUGHKEEPSIE, NY**

**Relative:**
**Lower**

**Actual:**
**45 ft.**

FUDS:

| | |
|---|---|
| EPA Region: | 02 |
| Installation ID: | NY29799F125400 |
| Congressional District Number: | 18 |

**POUGHKEEPSIE NAVINDRES (Continued)** **1024899294**

| | |
|---|---|
| Facility Name: | POUGHKEEPSIE NAVINDRES |
| FUDS Number: | C02NY0748 |
| City: | POUGHKEEPSIE |
| State: | NY |
| County: | DUTCHESS |
| Object ID: | 6537 |
| USACE District: | New England District (NAE) |
| Status: | Properties without projects |
| Current Owner: | Local Government; Private Sector |
| EMS Map Link: | https://fudsportal.usace.army.mil/ems/ems/inventory/map/map?id=59182 |
| Eligibility: | Eligible |
| Has Projects: | No |
| NPL Status: | Not Listed |
| Latitude: | 41.701388889999897 |
| Longitude: | -73.939999999999898 |

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**75 South 1/4-1/2 0.418 mi. 2205 ft.** **DUTCHESS CTY YMCA** **NY LTANKS S106470475**
**35 MONTGOMERY ST** **NY Spills N/A**
**POUGHKEEPSIE, NY**

**Relative: Higher**

**Actual: 133 ft.**

LTANKS:

| | |
|---|---|
| Name: | DUTCHESS CTY YMCA |
| Address: | 35 MONTGOMERY ST |
| City,State,Zip: | POUGHKEEPSIE, NY |
| Spill Number/Closed Date: | 0410331 / 2006-07-26 |
| Facility ID: | 0410331 |
| Site ID: | 335385 |
| Spill Date: | 2004-12-17 |
| Spill Cause: | Tank Test Failure |
| Spill Source: | Institutional, Educational, Gov., Other |
| Spill Class: | C4 |
| Cleanup Ceased: | Not reported |
| SWIS: | 1446 |
| Investigator: | RDBENDEL |
| Referred To: | Not reported |
| Reported to Dept: | 2004-12-17 |
| CID: | 444 |
| Water Affected: | Not reported |
| Spill Notifier: | Other |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| Meets Standard: | True |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 2004-12-20 |
| Spill Record Last Update: | 2009-04-28 |
| Spiller Name: | MILO BUYI |
| Spiller Company: | DUTCHESS CTY YMCA |
| Spiller Address: | 35 MONTGOMERY ST |
| Spiller County: | 001 |
| Spiller Contact: | MILO BUYI |
| Spiller Phone: | (845) 471-9622 |
| Spiller Extention: | Not reported |
| DEC Region: | 3 |
| DER Facility ID: | 93227 |
| DEC Memo: | "ALSO SEE: 951.5213: NFA 12/17/04; REF TO NEW SPILL ; 9909614: NFA |

**DUTCHESS CTY YMCA (Continued)** **S106470475**

REF TO 951.5213 CLOSED 7/26/06 - PER VINNIE MCCABE - SEE FILE NOT A SPILL ISSUE - NFA"
Remarks: "RECOMMEND- UNCOVER, ISOLATE & RETEST"

All TTF:
Facility ID: 0410331
Spill Number: 0410331
Spill Tank Test: 1548418
Site ID: 335385
Tank Number: 1
Tank Size: 5000
Material: 0001
EPA UST: Not reported
UST: Not reported
Cause: Not reported
Source: Not reported
Test Method: 03
Test Method 2: Horner EZ Check I or II
Leak Rate: .00
Gross Fail: Not reported
Modified By: Watchdog
Last Modified Date: Not reported

All Materials:
Site ID: 335385
Operable Unit ID: 1097454
Operable Unit: 01
Material ID: 577439
Material Code: 0001A
Material Name: #2 fuel oil
Case No.: Not reported
Material FA: Petroleum
Quantity: Not reported
Units: G
Recovered: .00
Oxygenate: Not reported

SPILLS:
Name: YMCA : BOILER ROOM
Address: 35 MONTGOMERY ST
City,State,Zip: POUGHKEEPSIE, NY
Spill Number/Closed Date: 0403335 / 2004-07-02
Facility ID: 0403335
Facility Type: ER
DER Facility ID: 93227
Site ID: 105707
DEC Region: 3
Spill Cause: Equipment Failure
Spill Class: B4
SWIS: 1446
Spill Date: 2004-06-28
Investigator: VPMCCABE
Referred To: Not reported
Reported to Dept: 2004-06-28
CID: 405
Water Affected: Not reported

**DUTCHESS CTY YMCA (Continued)** **S106470475**

| | |
|---|---|
| Spill Source: | Institutional, Educational, Gov., Other |
| Spill Notifier: | Other |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 2004-06-28 |
| Spill Record Last Update: | 2005-03-14 |
| Spiller Name: | DON STAUSS |
| Spiller Company: | YMCA |
| Spiller Address: | 35 MONTGOMERY ST |
| Spiller Company: | 001 |
| Contact Name: | DON STAUSS |
| DEC Memo: | "Prior to Sept, 2004 data translation this spill Lead_DEC Field was MCCABE This spill was updated 08/11/2004 from info in V. McCabe's data files. 'Date:' = 06/28/04, 'Phone' = - -, 'Site Insp' = 7/2/2004. " |
| Remarks: | "FUEL OIL LEAK ON THE BROILER, HAVE SPEEDY DRY, MAY HAVE GOTTEN IT INTO THE SUB PUMP, HAS BEEN AN ONGOING NIGHTMARE" |

All Materials:

| | |
|---|---|
| Site ID: | 105707 |
| Operable Unit ID: | 885576 |
| Operable Unit: | 01 |
| Material ID: | 490923 |
| Material Code: | 0001A |
| Material Name: | #2 fuel oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | .00 |
| Units: | Not reported |
| Recovered: | .00 |
| Oxygenate: | Not reported |

| | |
|---|---|
| Name: | YMCA: DRUM |
| Address: | 35 MONTGOMERY STREET |
| City,State,Zip: | POUGHKEEPSIE, NY |
| Spill Number/Closed Date: | 0508403 / 2005-10-18 |
| Facility ID: | 0508403 |
| Facility Type: | ER |
| DER Facility ID: | 301325 |
| Site ID: | 353984 |
| DEC Region: | 3 |
| Spill Cause: | Abandoned Drums |
| Spill Class: | D4 |
| SWIS: | 1413 |
| Spill Date: | 2005-10-14 |
| Investigator: | RXAMATO |
| Referred To: | Not reported |
| Reported to Dept: | 2005-10-14 |
| CID: | 444 |
| Water Affected: | Not reported |
| Spill Source: | Institutional, Educational, Gov., Other |
| Spill Notifier: | Fire Department |
| Cleanup Ceased: | Not reported |

**DUTCHESS CTY YMCA (Continued)** **S106470475**

| | |
|---|---|
| Cleanup Meets Std: | False |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 2005-10-14 |
| Spill Record Last Update: | 2014-03-25 |
| Spiller Name: | KAREN SEELEY |
| Spiller Company: | YMCA |
| Spiller Address: | 35 MONTGOMERY STREET |
| Spiller Company: | 001 |
| Contact Name: | DISPATCHER SHULTZ |
| DEC Memo: | "V. McCabe to respond. Spoke to City Fire Inspector Lt. Loni. 55 gallon plastic lined drum on property in rear of building. Unknown reddish colored material in drum - small leak from bung. 10/18/05: R. Amato spoke to YMCA contact, Mr. Melow, who stated the 55 gal. poly drum contains clorine dioxide , which is used for their cooling towers. Bung will be tightened and they will use product next year. Spill closed on 10/18/05. RA. " |
| Remarks: | "FIRE DEPT WAS RESPONDING TO FLOODING PROBLEM AND THEY CAME ACCROSS A DRUM THAT WAS RUSTED AND LEAKED UNKNOWN WHAT IS IN IT: FIRE DEPT ON SCENE" |

All Materials:

| | |
|---|---|
| Site ID: | 353984 |
| Operable Unit ID: | 1111423 |
| Operable Unit: | 01 |
| Material ID: | 2101463 |
| Material Code: | 0066A |
| Material Name: | unknown petroleum |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | .00 |
| Units: | G |
| Recovered: | .00 |
| Oxygenate: | Not reported |

| | |
|---|---|
| Name: | YMCA |
| Address: | 35 MONTGOMERY STREET |
| City,State,Zip: | POUGHKEEPSIE, NY |
| Spill Number/Closed Date: | 0604719 / 2010-08-24 |
| Facility ID: | 0604719 |
| Facility Type: | ER |
| DER Facility ID: | 394213 |
| Site ID: | 367750 |
| DEC Region: | 3 |
| Spill Cause: | Equipment Failure |
| Spill Class: | B4 |
| SWIS: | 1413 |
| Spill Date: | 2006-07-26 |
| Investigator: | MBMASTRO |
| Referred To: | Not reported |
| Reported to Dept: | 2006-07-26 |
| CID: | 409 |
| Water Affected: | Not reported |
| Spill Source: | Commercial/Industrial |
| Spill Notifier: | Local Agency |

**DUTCHESS CTY YMCA (Continued)** **S106470475**

| | |
|---|---|
| Cleanup Ceased: | Not reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 2006-07-26 |
| Spill Record Last Update: | 2010-08-27 |
| Spiller Name: | MILO |
| Spiller Company: | YMCA |
| Spiller Address: | 35 MONTGOMERY STREET |
| Spiller Company: | 001 |
| Contact Name: | MILO |
| DEC Memo: | "10,000 GAL UST. CONTAMINATION SOIL ENCOUNTERED WORK IS ONGOING. 7-27-06 16:10 80 DEGREES THUR 17:10 HHH VMc SITE INSPECT MEET W/ KAREN FEELY/MANAGER OPEN EXCAVATION 65X25X10' FREE PROD/WATER HEAVY CONTAMINATED SIDEWALLS ADDITONAL FILL/VENT NOTED BETWEEN TK EXC & BUILD NOTED THAT SHED MUST BE MOVED TO ALLOW FOR ADDITIONAL EXCAVATION & INVESTIGATION OF FILL/VENT NOT ABOVE UPON RETURN: 13 WAT/PROD TANK HAD BEEN PUMP/VAC OUT MEET W/FRANK/IDC & 2 MAN CREW 4/2/07: EcoSystems Strategies submitted a report with a request for closure that was denied - see edocs. Free product was noted in the excavation and a groundwater investigation is required. 8/13/09: Melissa will send letter for support data. JO'M 8/24/10: The YMCA is now closed. The work done by Conklin cannot be documented. This spill is being administratively closed based on the monitoring well results obtained by Ecosystems Strategies. (A monitoring well was installed in the excavated area by Conklin. There were no VOCs or SVOCs detected. The report and the lab results are in edocs.) mm 8-27-10: V.Mc.: See 6 pages of updates, inc. site inspections" |
| Remarks: | "THIS WAS FOUND DURING TANK REMOVAL AND CLEAN UP IN PROCESS." |

All Materials:

| | |
|---|---|
| Site ID: | 367750 |
| Operable Unit ID: | 1125654 |
| Operable Unit: | 01 |
| Material ID: | 2115178 |
| Material Code: | 0001A |
| Material Name: | #2 fuel oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | Not reported |
| Units: | G |
| Recovered: | .00 |
| Oxygenate: | Not reported |

---

**Q76** **POUGHKEEPSIE GAS WORKS** **EDR MGP** **1008408025**
**NW** **NORTH WATER STREET** **N/A**
**1/4-1/2** **POUGHKEEPSIE, NY 12601**
**0.425 mi.**
**2243 ft.** **Site 2 of 2 in cluster Q**

**Relative:** **Lower**

**Actual:** **52 ft.**

Manufactured Gas Plants:
No additional information available

**S77** **MOBIL OIL** **NY LTANKS** **S100165219**
**SSE** **SOUTH ROAD** **NY Spills** **N/A**
**1/4-1/2** **POUGHKEEPSIE, NY**
**0.436 mi.**
**2300 ft.** **Site 1 of 2 in cluster S**

**Relative:**
**Higher**

**Actual:**
**138 ft.**

LTANKS:

| | |
|---|---|
| Name: | MOBIL OIL |
| Address: | SOUTH ROAD |
| City,State,Zip: | POUGHKEEPSIE, NY |
| Spill Number/Closed Date: | 8602552 / 1986-08-06 |
| Facility ID: | 8602552 |
| Site ID: | 74633 |
| Spill Date: | 1986-07-18 |
| Spill Cause: | Tank Test Failure |
| Spill Source: | Gasoline Station or other PBS Facility |
| Spill Class: | Not reported |
| Cleanup Ceased: | 1986-08-06 |
| SWIS: | 1446 |
| Investigator: | jeokesso |
| Referred To: | Not reported |
| Reported to Dept: | 1986-07-18 |
| CID: | Not reported |
| Water Affected: | Not reported |
| Spill Notifier: | Tank Tester |
| Last Inspection: | 1986-08-06 |
| Recommended Penalty: | False |
| Meets Standard: | True |
| UST Involvement: | True |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 1986-07-21 |
| Spill Record Last Update: | 1986-10-29 |
| Spiller Name: | Not reported |
| Spiller Company: | MOBIL OIL |
| Spiller Address: | Not reported |
| Spiller County: | 999 |
| Spiller Contact: | Not reported |
| Spiller Phone: | Not reported |
| Spiller Extention: | Not reported |
| DEC Region: | 3 |
| DER Facility ID: | 70007 |
| DEC Memo: | "Prior to Sept, 2004 data translation this spill Lead_DEC Field was OKESSON / / : PBS TO TRACK. / / : 8/6/86-TANK TESTED TIGHT-NFA. 11/29/95: This is additional information about material spilled from the translation of the old spill file: REG AND UNLEADED." |
| Remarks: | "REG 6000G AND UNLEADED 8000 TTTF" |

All TTF:

| | |
|---|---|
| Facility ID: | 8602552 |
| Spill Number: | 8602552 |
| Spill Tank Test: | 1530055 |
| Site ID: | 74633 |
| Tank Number: | Not reported |
| Tank Size: | 0 |
| Material: | 0009 |
| EPA UST: | Not reported |
| UST: | Not reported |
| Cause: | Not reported |
| Source: | Not reported |
| Test Method: | 00 |

**MOBIL OIL (Continued)** **S100165219**

| | |
|---|---|
| Test Method 2: | Unknown |
| Leak Rate: | .00 |
| Gross Fail: | Not reported |
| Modified By: | Spills |
| Last Modified Date: | Not reported |

All Materials:

| | |
|---|---|
| Site ID: | 74633 |
| Operable Unit ID: | 899832 |
| Operable Unit: | 01 |
| Material ID: | 478982 |
| Material Code: | 0009 |
| Material Name: | gasoline |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | .00 |
| Units: | Not reported |
| Recovered: | .00 |
| Oxygenate: | Not reported |

SPILLS:

| | |
|---|---|
| Name: | IBM : DIESEL |
| Address: | SOUTH ROAD |
| City,State,Zip: | POUGHKEEPSIE, NY |
| Spill Number/Closed Date: | 0111236 / 2002-02-26 |
| Facility ID: | 0111236 |
| Facility Type: | ER |
| DER Facility ID: | 70007 |
| Site ID: | 74631 |
| DEC Region: | 3 |
| Spill Cause: | Traffic Accident |
| Spill Class: | C4 |
| SWIS: | 1446 |
| Spill Date: | 2002-02-26 |
| Investigator: | rxamato |
| Referred To: | Not reported |
| Reported to Dept: | 2002-02-26 |
| CID: | 390 |
| Water Affected: | Not reported |
| Spill Source: | Commercial Vehicle |
| Spill Notifier: | Local Agency |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Std: | True |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 2002-02-26 |
| Spill Record Last Update: | 2004-08-11 |
| Spiller Name: | Not reported |
| Spiller Company: | ARNOFF MOVING AND STORAGE |
| Spiller Address: | 1282 DUTCHESS TPKE |
| Spiller Company: | 001 |
| Contact Name: | JEFF MANN |
| DEC Memo: | "Prior to Sept, 2004 data translation this spill Lead_DEC Field was |

**MOBIL OIL (Continued)** **S100165219**

SMITH 02/26/2002 NO SPILL TO ANY WATER WAYS OR STORM DRAINS. MEG HIRED TO DO CLEANUP. WILL CALL MEG FOR UPDATE. MEG UPDATE: SOILS CLEANED UP & DRUMMED FOR DISPOSAL. NO IMPACTS. NO FURTHER ACTION. This spill was updated 08/11/2004 from info in V. McCabe's data files. 'Date:' = 02/26/02, 'Phone' = - -, 'Site Insp' = N/A. "

Remarks: "truck was making a delivery and ran over a stump. causing diesel line to fail and spill material - spill is being cleaned up"

All Materials:

| | |
|---|---|
| Site ID: | 74631 |
| Operable Unit ID: | 848303 |
| Operable Unit: | 01 |
| Material ID: | 528825 |
| Material Code: | 0008 |
| Material Name: | diesel |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | 50.00 |
| Units: | G |
| Recovered: | .00 |
| Oxygenate: | Not reported |

| | |
|---|---|
| Name: | EQUIP.FAILURE : VEH |
| Address: | SOUTH ROAD |
| City,State,Zip: | POUGHKEEPSIE, NY |
| Spill Number/Closed Date: | 0303781 / 2003-07-10 |
| Facility ID: | 0303781 |
| Facility Type: | ER |
| DER Facility ID: | 70007 |
| Site ID: | 74632 |
| DEC Region: | 3 |
| Spill Cause: | Equipment Failure |
| Spill Class: | Not reported |
| SWIS: | 1446 |
| Spill Date: | 2003-07-10 |
| Investigator: | VPMCCABE |
| Referred To: | Not reported |
| Reported to Dept: | 2003-07-10 |
| CID: | 216 |
| Water Affected: | Not reported |
| Spill Source: | Commercial Vehicle |
| Spill Notifier: | Police Department |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 2003-07-10 |
| Spill Record Last Update: | 2004-08-11 |
| Spiller Name: | UNKNOWN |
| Spiller Company: | Unknown |
| Spiller Address: | UNKNOWN |
| Spiller Company: | 999 |
| Contact Name: | LT DRAISS |
| DEC Memo: | "Prior to Sept, 2004 data translation this spill Lead_DEC Field was MCCABE This spill was updated 08/11/2004 from info in V. McCabe's |

**MOBIL OIL (Continued)** **S100165219**

Remarks: data files. 'Date:' = 07/10/03, 'Phone' = - -, 'Site Insp' = N/A. " "spill in mall parking lot possible going into a storm drain and int a lake near by wants dec to call him "

All Materials:

| | |
|---|---|
| Site ID: | 74632 |
| Operable Unit ID: | 872040 |
| Operable Unit: | 01 |
| Material ID: | 504639 |
| Material Code: | 0043A |
| Material Name: | antifreeze |
| Case No.: | Not reported |
| Material FA: | Other |
| Quantity: | 5.00 |
| Units: | G |
| Recovered: | .00 |
| Oxygenate: | Not reported |

---

**R78** **21 ACADEMY STREET** **NY SHWS** **S120706233**
**SE** **21 ACADEMY STREET** **N/A**
**1/4-1/2** **POUGHKEEPSIE, NY 12601**
**0.439 mi.**
**2319 ft.** **Site 2 of 3 in cluster R**

**Relative:** **Higher**
**Actual:** **179 ft.**

SHWS:

| | |
|---|---|
| Name: | 21 ACADEMY STREET |
| Address: | 21 ACADEMY STREET |
| City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| Program: | HW |
| Site Code: | 535046 |
| Classification: | Not reported |
| Region: | 3 |
| Acres: | 7.0000000000000007E-2 |
| HW Code: | 314126 |
| Record Add: | 10/28/2016 |
| Record Upd: | 11/18/2016 |
| Updated By: | GWHEITZM |

Site Description: Location: The Site is located in an urban area at 21 Academy Street, City of Poughkeepsie, Dutchess County. The Site is a rectangular-shaped, 0.07-acre parcel, which has 34 feet of frontage on the eastern side of Academy Street. Site Features: The Site currently contains a multi-story, commercial building. The remainder of the Site is composed of paved areas in the eastern portion of the property. The building is currently vacant. Current Zoning and Land Use: The site property is zoned C-2, Central Commercial District and consists of a vacant building that were previously utilized for commercial and residential uses. Past Uses of the Site: The Site was developed sometime prior to 1887 and has a long history of commercial uses, including the operation of a dry cleaning operation. The Site is listed on the RCRIS database as a site formerly handling halogenated solvents (likely due to historical dry cleaning operations). Site Geology and Hydrogeology: Subsurface soils exposed during the extension of soil borings throughout the Site were noted to consist of brown, variable texture sand and silty sand with gravel overlaying light brown and gray, wet, dense silty clay. Historic fill was observed in the 0 to 5 feet below surface grade (bsg) interval under the Site. Generally, soils deeper than 10 feet bsg appeared to

**21 ACADEMY STREET (Continued)** **S120706233**

| | |
|---|---|
| | be native, undisturbed material. Groundwater encountered during the extension of soil borings throughout the property ranged between 10.5 to 13 feet bsg. Based on information gathered during the Phase II investigation, shallow groundwater flow in the vicinity of the property is inferred to be to the south. There are no surface water bodies, wet areas, or regulated wetlands on the property. |
| Env Problem: | Nature and Extent of Contamination: The full nature and extent of contamination on the site has not yet been determined. However, sample results from a terminated brownfield application show elevated levels of chlorinated solvents in the soil vapor and groundwater on the site, specifically tetrachloroethylene is found at a maximum of 12,000 micrograms per cubic meter in the soil vapor and 680 micrograms per liter in the groundwater. This is likely due to the site's historic use as a dry cleaner. |
| Health Problem: | As information for this site becomes available, it will be reviewed by the NYSDOH to determine if site contamination presents public health exposure concerns. |
| Dump: | Not reported |
| Structure: | Not reported |
| Lagoon: | Not reported |
| Landfill: | Not reported |
| Pond: | Not reported |
| Disp Start: | Not reported |
| Disp Term: | Not reported |
| Lat/Long: | Not reported |
| Dell: | Not reported |
| Record Add: | Not reported |
| Record Upd: | Not reported |
| Updated By: | Not reported |
| Own Op: | 1 |
| Sub Type: | E |
| Owner Name: | Jon Behrends |
| Owner Company: | 21 Academy St, LLC |
| Owner Address: | 35 High St. |
| Owner Addr2: | Not reported |
| Owner City,St,Zip: | Poughkeepsie, NY 12601 |
| Owner Country: | United States of America |
| HW Code: | Not reported |
| Waste Type: | Not reported |
| Waste Quantity: | Not reported |
| Waste Code: | Not reported |
| Crossref ID: | Not reported |
| Cross Ref Type Code: | Not reported |
| Cross Ref Type: | Not reported |
| Record Added Date: | Not reported |
| Record Updated: | Not reported |
| Updated By: | Not reported |

**S79** **POUGHKEEPSIE CITY SCHOOL** **NY LTANKS** **S100494098**
**SSE** **12 SOUTH TERRY STREET** **N/A**
**1/4-1/2** **POUGHKEEPSIE, NY**
**0.442 mi.**
**2333 ft.** **Site 2 of 2 in cluster S**

**Relative:**
**Higher**

**Actual:**
**136 ft.**

LTANKS:

| | |
|---|---|
| Name: | POUGHKEEPSIE CITY SCHOOL |
| Address: | 12 SOUTH TERRY STREET |
| City,State,Zip: | POUGHKEEPSIE, NY |
| Spill Number/Closed Date: | 9207723 / 1992-10-09 |
| Facility ID: | 9207723 |
| Site ID: | 156120 |
| Spill Date: | 1992-10-05 |
| Spill Cause: | Tank Test Failure |
| Spill Source: | Institutional, Educational, Gov., Other |
| Spill Class: | C3 |
| Cleanup Ceased: | 1992-10-09 |
| SWIS: | 1446 |
| Investigator: | wxwadswo |
| Referred To: | Not reported |
| Reported to Dept: | 1992-10-05 |
| CID: | Not reported |
| Water Affected: | Not reported |
| Spill Notifier: | Tank Tester |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| Meets Standard: | False |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 1992-10-08 |
| Spill Record Last Update: | 1992-12-09 |
| Spiller Name: | Not reported |
| Spiller Company: | SAME |
| Spiller Address: | Not reported |
| Spiller County: | 999 |
| Spiller Contact: | Not reported |
| Spiller Phone: | Not reported |
| Spiller Extention: | Not reported |
| DEC Region: | 3 |
| DER Facility ID: | 132142 |
| DEC Memo: | "Prior to Sept, 2004 data translation this spill Lead_DEC Field was W. WADSWORTH 09/27/95: This is additional information about material spilled from the translation of the old spill file: TANK TEST." |
| Remarks: | "WILL EIR HORNER EZ-CHECK" |

All TTF:

| | |
|---|---|
| Facility ID: | 9207723 |
| Spill Number: | 9207723 |
| Spill Tank Test: | 1540667 |
| Site ID: | 156120 |
| Tank Number: | Not reported |
| Tank Size: | 0 |
| Material: | 0001 |
| EPA UST: | Not reported |
| UST: | Not reported |
| Cause: | Not reported |
| Source: | Not reported |
| Test Method: | 00 |
| Test Method 2: | Unknown |

**POUGHKEEPSIE CITY SCHOOL (Continued)** **S100494098**

Leak Rate: .00
Gross Fail: Not reported
Modified By: Spills
Last Modified Date: Not reported

All Materials:
Site ID: 156120
Operable Unit ID: 974536
Operable Unit: 01
Material ID: 408349
Material Code: 0001A
Material Name: #2 fuel oil
Case No.: Not reported
Material FA: Petroleum
Quantity: .00
Units: Not reported
Recovered: .00
Oxygenate: Not reported

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**R80** **BASEMENT** **NY LTANKS** **S101341448**
**ESE** **354 MAIN STREET** **N/A**
**1/4-1/2** **POUGHKEEPSIE, NY**
**0.445 mi.**
**2350 ft.** **Site 3 of 3 in cluster R**

**Relative:**
**Higher**

**Actual:**
**181 ft.**

LTANKS:
Name: BASEMENT
Address: 354 MAIN STREET
City,State,Zip: POUGHKEEPSIE, NY
Spill Number/Closed Date: 9412680 / 1995-01-09
Facility ID: 9412680
Site ID: 203064
Spill Date: 1994-12-21
Spill Cause: Tank Failure
Spill Source: Commercial/Industrial
Spill Class: C3
Cleanup Ceased: 1995-01-09
SWIS: 1446
Investigator: VPMCCABE
Referred To: Not reported
Reported to Dept: 1994-12-21
CID: Not reported
Water Affected: Not reported
Spill Notifier: Other
Last Inspection: Not reported
Recommended Penalty: False
Meets Standard: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: Not reported
Spill Record Last Update: 2003-12-02
Spiller Name: Not reported
Spiller Company: Not reported
Spiller Address: Not reported
Spiller County: 001
Spiller Contact: Not reported

**BASEMENT (Continued)** **S101341448**

Spiller Phone: Not reported
Spiller Extention: Not reported
DEC Region: 3
DER Facility ID: 168895
DEC Memo: ""
Remarks: "OIL SPILLED IN BASEMENT OF THE STORE AFTER THE TANK STARTED LEAKING"

All Materials:
Site ID: 203064
Operable Unit ID: 1006316
Operable Unit: 01
Material ID: 567104
Material Code: 0001A
Material Name: #2 fuel oil
Case No.: Not reported
Material FA: Petroleum
Quantity: 150.00
Units: G
Recovered: .00
Oxygenate: Not reported

---

**81**
**ESE**
**1/4-1/2**
**0.447 mi.**
**2361 ft.**

**CRANNELL SQUARE**
**35 CATHARINE STREET**
**POUGHKEEPSIE, NY 12601**

**NY BROWNFIELDS** **S125298845**
**N/A**

**Relative:**
**Higher**

**Actual:**
**177 ft.**

BROWNFIELDS:
Name: CRANNELL SQUARE
Address: 35 CATHARINE STREET
City,State,Zip: POUGHKEEPSIE, NY 12601
Program: BCP
Site Code: 588792
Acres: 1.22
HW Code: C314130
SWIS: 1413
Town: Poughkeepsie (c)
Record Added Date: 05/23/2019
Record Updated Date: 06/04/2019
Update By: AMSERVIS
Site Description: Not reported
Env Problem: Information submitted with the BCP application regarding the environmental condition at the site are currently under review and will be revised as additional information becomes available.
Health Problem: Information submitted with the BCP application regarding the conditions at the site are currently under review and will be revised as additional information becomes available.
Dump: Not reported
Structure: Not reported
Lagoon: Not reported
Landfill: Not reported
Pond: Not reported
Disp Start: Not reported
Disp Term: Not reported
Lat/Long: Not reported
Dell: Not reported
Record Add: Not reported

**CRANNELL SQUARE (Continued)** **S125298845**

| | |
|---|---|
| Record Upd: | Not reported |
| Updated By: | Not reported |
| Own Op: | Document Repository |
| Sub Type: | NNN |
| Owner Name: | Deborah Weltsch |
| Owner Company: | Poughkeepsie Public Library |
| Owner Address: | 93 Market Street |
| Owner Addr2: | Not reported |
| Owner City,St,Zip: | Poughkeepsie, NY 12601 |
| Owner Country: | United States of America |
| Own Op: | 1 |
| Sub Type: | C01 |
| Owner Name: | n/a |
| Owner Company: | City of Poughkeepsie |
| Owner Address: | 62 Civic Center Plaza |
| Owner Addr2: | Not reported |
| Owner City,St,Zip: | Poughkeepsie, NY 12601 |
| Owner Country: | United States of America |
| Own Op: | 6 |
| Sub Type: | P03 |
| Owner Name: | Kenneth Kearney |
| Owner Company: | The Kearney Realty & Development Group, Inc. |
| Owner Address: | 34 Clayton Boulevard, Suite A |
| Owner Addr2: | Not reported |
| Owner City,St,Zip: | Baldwin Place, NY 10505 |
| Owner Country: | United States of America |
| Own Op: | 4 |
| Sub Type: | C01 |
| Owner Name: | n/a |
| Owner Company: | City of Poughkeepsie Department of Public Works |
| Owner Address: | 62 Civic Center Plaza |
| Owner Addr2: | Not reported |
| Owner City,St,Zip: | Poughkeepsie, NY 12601 |
| Owner Country: | United States of America |
| HW Code: | Not reported |
| Waste Type: | mercury |
| Waste Quantity: | UNKNOWN |
| Waste Code: | Not reported |
| HW Code: | Not reported |
| Waste Type: | lead |
| Waste Quantity: | UNKNOWN |
| Waste Code: | Not reported |
| Crossref ID: | Not reported |
| Cross Ref Type Code: | Not reported |
| Cross Ref Type: | Not reported |
| Record Added Date: | Not reported |
| Record Updated: | Not reported |
| Updated By: | Not reported |

**82**
**ESE**
**1/4-1/2**
**0.450 mi.**
**2376 ft.**

**HSBC BANK**
**347 MAIN STREET**
**POUGHKEEPSIE, NY**

**NY LTANKS** **S104073711**
**N/A**

**Relative:**
**Higher**

**Actual:**
**181 ft.**

LTANKS:

| | |
|---|---|
| Name: | MARINE MIDLAND BANK |
| Address: | 347 MAIN MALL |
| City,State,Zip: | POUGHKEEPSIE, NY |
| Spill Number/Closed Date: | 8706571 / 1988-03-28 |
| Facility ID: | 8706571 |
| Site ID: | 158178 |
| Spill Date: | 1987-11-03 |
| Spill Cause: | Tank Test Failure |
| Spill Source: | Commercial/Industrial |
| Spill Class: | D3 |
| Cleanup Ceased: | 1988-03-28 |
| SWIS: | 1446 |
| Investigator: | jeokesso |
| Referred To: | Not reported |
| Reported to Dept: | 1987-11-03 |
| CID: | Not reported |
| Water Affected: | Not reported |
| Spill Notifier: | Tank Tester |
| Last Inspection: | 1988-03-28 |
| Recommended Penalty: | False |
| Meets Standard: | True |
| UST Involvement: | True |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 1987-12-04 |
| Spill Record Last Update: | 1988-03-28 |
| Spiller Name: | KEN PIERCE |
| Spiller Company: | SAME |
| Spiller Address: | Not reported |
| Spiller County: | 001 |
| Spiller Contact: | Not reported |
| Spiller Phone: | Not reported |
| Spiller Extention: | Not reported |
| DEC Region: | 3 |
| DER Facility ID: | 133711 |
| DEC Memo: | "Prior to Sept, 2004 data translation this spill Lead_DEC Field was OKESSON / / : 11-6-87 - ISOLATED +.092 GPH. FURTHER ACTION UNKNOWN. 03/28/88: TANK FAILED RETEST ON 11-5-87. PRODUCT IS TO BE PUMPED OUT, TANK TO BE RELINED AND RETESTED. N.F.A. J.O'K. " |
| Remarks: | "5K SYSTEM- -.824 GPH.NO ACTION." |

All TTF:

| | |
|---|---|
| Facility ID: | 8706571 |
| Spill Number: | 8706571 |
| Spill Tank Test: | 1532147 |
| Site ID: | 158178 |
| Tank Number: | Not reported |
| Tank Size: | 0 |
| Material: | 0008 |
| EPA UST: | Not reported |
| UST: | Not reported |
| Cause: | Not reported |
| Source: | Not reported |
| Test Method: | 00 |

**HSBC BANK (Continued)** **S104073711**

| | |
|---|---|
| Test Method 2: | Unknown |
| Leak Rate: | .00 |
| Gross Fail: | Not reported |
| Modified By: | Spills |
| Last Modified Date: | Not reported |

All Materials:

| | |
|---|---|
| Site ID: | 158178 |
| Operable Unit ID: | 910296 |
| Operable Unit: | 01 |
| Material ID: | 465578 |
| Material Code: | 0008 |
| Material Name: | diesel |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | .00 |
| Units: | Not reported |
| Recovered: | .00 |
| Oxygenate: | Not reported |

| | |
|---|---|
| Name: | HSBC BANK |
| Address: | 347 MAIN STREET |
| City,State,Zip: | POUGHKEEPSIE, NY |
| Spill Number/Closed Date: | 0609170 / 2006-12-13 |
| Facility ID: | 0609170 |
| Site ID: | 373309 |
| Spill Date: | 2006-11-09 |
| Spill Cause: | Tank Failure |
| Spill Source: | Commercial/Industrial |
| Spill Class: | C3 |
| Cleanup Ceased: | Not reported |
| SWIS: | 1413 |
| Investigator: | VPMCCABE |
| Referred To: | Not reported |
| Reported to Dept: | 2006-11-09 |
| CID: | 444 |
| Water Affected: | Not reported |
| Spill Notifier: | Other |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| Meets Standard: | False |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 2006-11-09 |
| Spill Record Last Update: | 2007-07-27 |
| Spiller Name: | JASON SMIT |
| Spiller Company: | HSBC BANK |
| Spiller Address: | 347 MAIN STREET |
| Spiller County: | 001 |
| Spiller Contact: | JASON SMIT |
| Spiller Phone: | (845) 775-0376 |
| Spiller Extention: | Not reported |
| DEC Region: | 3 |
| DER Facility ID: | 323029 |
| DEC Memo: | "REGISTERED AS PBS #3-172383 MARINE MIDLAND BANK SK WAS ONLY TANK. REFER TO PBS Based on the information contained in the 12/13/07 Tank |

**HSBC BANK (Continued)** **S104073711**

Closure Report prepared by Smit Environmental Services, no further action is required."
Remarks: "5000 GALLON TANK WAS REMOVED AND SAMPLES SHOWED MINOR CONTAMINATION:"
Not reported

All Materials:
Site ID: 373309
Operable Unit ID: 1131020
Operable Unit: 01
Material ID: 2120709
Material Code: 0001A
Material Name: #2 fuel oil
Case No.: Not reported
Material FA: Petroleum
Quantity: Not reported
Units: G
Recovered: .00
Oxygenate: Not reported

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**83**
**SSE**
**1/4-1/2**
**0.450 mi.**
**2377 ft.**

**PAYLESS/KELLY**
**63 MONTGOMERY ST**
**POUGHKEEPSIE, NY**

**NY LTANKS** **S104515301**
**N/A**

**Relative:**
**Higher**

**Actual:**
**150 ft.**

LTANKS:
Name: PAYLESS/KELLY
Address: 63 MONTGOMERY ST
City,State,Zip: POUGHKEEPSIE, NY
Spill Number/Closed Date: 9813812 / 2001-11-01
Facility ID: 9813812
Site ID: 213401
Spill Date: 1999-02-12
Spill Cause: Tank Overfill
Spill Source: Tank Truck
Spill Class: B2
Cleanup Ceased: Not reported
SWIS: 1446
Investigator: VPMCCABE
Referred To: Not reported
Reported to Dept: 1999-02-12
CID: 382
Water Affected: Not reported
Spill Notifier: Responsible Party
Last Inspection: Not reported
Recommended Penalty: False
Meets Standard: True
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 1999-02-12
Spill Record Last Update: 2012-05-15
Spiller Name: YANCY MCARTHUR
Spiller Company: PAYLESS OIL
Spiller Address: 11 SYCAMORE DR
Spiller County: 001
Spiller Contact: WILLIAM KELLY
Spiller Phone: (914) 473-3774

**PAYLESS/KELLY (Continued)** **S104515301**

Spiller Extention: Not reported
DEC Region: 3
DER Facility ID: 176799
DEC Memo: "2/19/99 SEE LETTER TO DCHD. SEE 1-PAGE UPDATE BY V. MCCABE. 11/01/01 SEE 8 PAGES OF UPDATES BY V. MCCABE. NO FURTHER ACTION. "
Remarks: "DELIVERY TO WRONG HOUSE. SPILL WAS ON BASEMENT FLOOR AND CLEANED UP."
Not reported

All Materials:
Site ID: 213401
Operable Unit ID: 1071360
Operable Unit: 01
Material ID: 310519
Material Code: 0001A
Material Name: #2 fuel oil
Case No.: Not reported
Material FA: Petroleum
Quantity: 25.00
Units: G
Recovered: 25.00
Oxygenate: Not reported

---

**T84** **A.C. DUTTON LUMBER CO.** **NY SHWS S101008363**
**NNW** **1 HOFFMAN ST.** **NY CBS AST N/A**
**1/4-1/2** **POUGHKEEPSIE, NY 12601**
**0.462 mi.**
**2438 ft.** **Site 1 of 2 in cluster T**

**Relative:** **Lower**
**Actual:** **52 ft.**

SHWS:
Name: A. C. DUTTON LUMBER CORPORATION
Address: 1 HOFFMAN STREET
City,State,Zip: POUGHKEEPSIE, NY 12601
Program: HW
Site Code: 55989
Classification: Not reported
Region: 3
Acres: 15
HW Code: 314081
Record Add: 11/18/1999
Record Upd: 12/16/2003
Updated By: kstang
Site Description: See Site No. C314081
Env Problem: See Site No. C314081
Health Problem: Not reported
Dump: Not reported
Structure: Not reported
Lagoon: Not reported
Landfill: Not reported
Pond: Not reported
Disp Start: Not reported
Disp Term: Not reported
Lat/Long: Not reported
Dell: Not reported
Record Add: Not reported
Record Upd: Not reported
Updated By: Not reported
Own Op: 3

**A.C. DUTTON LUMBER CO. (Continued)** **S101008363**

| | |
|---|---|
| Sub Type: | NNN |
| Owner Name: | Not reported |
| Owner Company: | VARIOUS OWNERS DURING USE |
| Owner Address: | Not reported |
| Owner Addr2: | Not reported |
| Owner City,St,Zip: | ZZ |
| Owner Country: | United States of America |
| Own Op: | 1 |
| Sub Type: | NNN |
| Owner Name: | Not reported |
| Owner Company: | A.C. Dutton Lumber Corporation |
| Owner Address: | 1 Hoffman Street |
| Owner Addr2: | Not reported |
| Owner City,St,Zip: | Poughkeepsie, NY 12601 |
| Owner Country: | United States of America |
| Own Op: | 1 |
| Sub Type: | E |
| Owner Name: | Not reported |
| Owner Company: | VARIOUS OWNERS DURING USE |
| Owner Address: | 1 HOFFMAN ST. |
| Owner Addr2: | Not reported |
| Owner City,St,Zip: | POUGHKEEPSIE, NY 12601 |
| Owner Country: | United States of America |
| Own Op: | 4 |
| Sub Type: | E |
| Owner Name: | Not reported |
| Owner Company: | VARIOUS OWNERS DURING USE |
| Owner Address: | 1 HOFFMAN ST. |
| Owner Addr2: | Not reported |
| Owner City,St,Zip: | POUGHKEEPSIE, NY 12601 |
| Owner Country: | United States of America |
| Own Op: | 4 |
| Sub Type: | NNN |
| Owner Name: | Not reported |
| Owner Company: | A.C. Dutton Lumber Corporation |
| Owner Address: | 1 Hoffman Street |
| Owner Addr2: | Not reported |
| Owner City,St,Zip: | Poughkeepsie, NY 12601 |
| Owner Country: | United States of America |
| HW Code: | Not reported |
| Waste Type: | Not reported |
| Waste Quantity: | Not reported |
| Waste Code: | Not reported |
| Crossref ID: | Not reported |
| Cross Ref Type Code: | Not reported |
| Cross Ref Type: | Not reported |
| Record Added Date: | Not reported |
| Record Updated: | Not reported |
| Updated By: | Not reported |

CBS AST:

| | |
|---|---|
| CBS Number: | 3-000170 |
| ICS Number: | 3-300822 |
| PBS Number: | 3-175935 |
| MOSF Number: | Not reported |
| SPDES Number: | Not reported |
| Facility Status: | IN SERVICE |

**A.C. DUTTON LUMBER CO. (Continued)** **S101008363**

| | |
|---|---|
| Facility Type: | I |
| Telephone: | (845) 454-7000 |
| Facility Town: | POUGHKEEPSIE (C) |
| Region: | STATE |
| Expiration Date: | 08/09/2003 |
| Total Capacity of All Active Tanks(gal): | 102600 |
| Operator: | DONALD DEGARMO |
| Emergency Contact: | DONALD DEGARMO |
| Emergency Phone: | (914) 489-7663 |
| Owner Name: | STEPHEN E. MIRON |
| Owner Address: | 260 TITUSVILLE RD. |
| Owner City,St,Zip: | POUGHKEEPSIE, NY 12603 |
| Owner Telephone: | (845) 462-2000 |
| Owner Type: | Corporate/Commercial |
| Owner Sub Type: | Not reported |
| Mail Name: | A.C. DUTTON LUMBER CO. |
| Mail Contact Addr: | 260 TITUSVILLE RD. |
| Mail Contact Addr2: | Not reported |
| Mail Contact Contact: | STEPHEN E. MIRON |
| Mail Contact City,St,Zip: | POUGHKEEPSIE, NY 12603 |
| Mail Phone: | (845) 462-2000 |

| | |
|---|---|
| Tank Id: | NTP03 |
| CAS Number: | 7778394 |
| Federal ID: | Not reported |
| Tank Status: | In Service |
| Install Date: | 05/85 |
| Tank Closed: | Not reported |
| Capacity (Gal): | 7000 |
| Chemical: | Arsenic acid |
| Tank Location: | Indoors, Aboveground |
| Tank Type: | Steel/carbon steel |
| Total Tanks: | 7 |
| Tank Secret: | False |
| Tank Secondary Containment: | Other |
| Tank Error Status: | No Missing Data |
| Date Entered: | 07/13/1989 |
| Certified Date: | 08/09/2001 |
| Substance: | Single Hazardous Substance on DEC List |
| Internal Protection: | None |
| External Protection: | Painted/Asphalt Coating |
| Pipe Location: | Aboveground |
| Pipe Type: | Steel/Iron |
| Pipe Internal: | None |
| Pipe External: | Painted/Asphalt Coating |
| Pipe Flag: | Painted/Asphalt Coating |
| Leak Detection: | 14 |
| Overfill Protection: | 35 |
| Haz Percent: | 50 |
| Last Test: | Not reported |
| Due Date: | Not reported |
| SWIS Code: | 1313 |
| Lat/Long: | Not reported |
| Is Updated: | False |
| Renew Date: | 04/01/93 |
| Is It There: | False |
| Delinquent: | False |

**A.C. DUTTON LUMBER CO. (Continued)** **S101008363**

| | |
|---|---|
| Date Expired: | 07/13/95 |
| Owner Mark: | 2 |
| Certificate Needs to be Printed: | False |
| Fiscal Amt for Registration Fee Correct: | True |
| Renewal Has Been Printed for Facility: | True |
| Pre-Printed Renewal App Last Printed: | 03/30/2001 |

| | |
|---|---|
| Tank Id: | NTP02 |
| CAS Number: | 7778394 |
| Federal ID: | Not reported |
| Tank Status: | In Service |
| Install Date: | 05/85 |
| Tank Closed: | Not reported |
| Capacity (Gal): | 25000 |
| Chemical: | Arsenic acid |
| Tank Location: | Indoors, Aboveground |
| Tank Type: | Steel/carbon steel |
| Total Tanks: | 7 |
| Tank Secret: | False |
| Tank Secondary Containment: | Other |
| Tank Error Status: | No Missing Data |
| Date Entered: | 07/13/1989 |
| Certified Date: | 08/09/2001 |
| Substance: | Single Hazardous Substance on DEC List |
| Internal Protection: | None |
| External Protection: | Painted/Asphalt Coating |
| Pipe Location: | Aboveground |
| Pipe Type: | Steel/Iron |
| Pipe Internal: | None |
| Pipe External: | Painted/Asphalt Coating |
| Pipe Flag: | Painted/Asphalt Coating |
| Leak Detection: | 14 |
| Overfill Protection: | 35 |
| Haz Percent: | 50 |
| Last Test: | Not reported |
| Due Date: | Not reported |
| SWIS Code: | 1313 |
| Lat/Long: | Not reported |
| Is Updated: | False |
| Renew Date: | 04/01/93 |
| Is It There: | False |
| Delinquent: | False |
| Date Expired: | 07/13/95 |
| Owner Mark: | 2 |
| Certificate Needs to be Printed: | False |
| Fiscal Amt for Registration Fee Correct: | True |
| Renewal Has Been Printed for Facility: | True |
| Pre-Printed Renewal App Last Printed: | 03/30/2001 |

| | |
|---|---|
| Tank Id: | NTP01 |
| CAS Number: | 7778394 |
| Federal ID: | Not reported |
| Tank Status: | In Service |
| Install Date: | 05/85 |
| Tank Closed: | Not reported |

**A.C. DUTTON LUMBER CO. (Continued)** **S101008363**

| | |
|---|---|
| Capacity (Gal): | 25000 |
| Chemical: | Arsenic acid |
| Tank Location: | Indoors, Aboveground |
| Tank Type: | Steel/carbon steel |
| Total Tanks: | 7 |
| Tank Secret: | False |
| Tank Secondary Containment: | Other |
| Tank Error Status: | No Missing Data |
| Date Entered: | 07/13/1989 |
| Certified Date: | 08/09/2001 |
| Substance: | Single Hazardous Substance on DEC List |
| Internal Protection: | None |
| External Protection: | Painted/Asphalt Coating |
| Pipe Location: | Aboveground |
| Pipe Type: | Steel/Iron |
| Pipe Internal: | None |
| Pipe External: | Painted/Asphalt Coating |
| Pipe Flag: | Painted/Asphalt Coating |
| Leak Detection: | 14 |
| Overfill Protection: | 35 |
| Haz Percent: | 50 |
| Last Test: | Not reported |
| Due Date: | Not reported |
| SWIS Code: | 1313 |
| Lat/Long: | Not reported |
| Is Updated: | False |
| Renew Date: | 04/01/93 |
| Is It There: | False |
| Delinquent: | False |
| Date Expired: | 07/13/95 |
| Owner Mark: | 2 |
| Certificate Needs to be Printed: | False |
| Fiscal Amt for Registration Fee Correct: | True |
| Renewal Has Been Printed for Facility: | True |
| Pre-Printed Renewal App Last Printed: | 03/30/2001 |

| | |
|---|---|
| Tank Id: | OTP03 |
| CAS Number: | 7778394 |
| Federal ID: | Not reported |
| Tank Status: | In Service |
| Install Date: | 01/65 |
| Tank Closed: | Not reported |
| Capacity (Gal): | 12500 |
| Chemical: | Arsenic acid |
| Tank Location: | Indoors, Aboveground |
| Tank Type: | Stainless steel alloy |
| Total Tanks: | 7 |
| Tank Secret: | False |
| Tank Secondary Containment: | Other |
| Tank Error Status: | No Missing Data |
| Date Entered: | 07/13/1989 |
| Certified Date: | 08/09/2001 |
| Substance: | Single Hazardous Substance on DEC List |
| Internal Protection: | None |
| External Protection: | Jacketed |
| Pipe Location: | Aboveground |

**A.C. DUTTON LUMBER CO. (Continued)** **S101008363**

| | |
|---|---|
| Pipe Type: | Steel/Iron |
| Pipe Internal: | None |
| Pipe External: | Wrapped (Piping |
| Pipe Flag: | Wrapped (Piping |
| Leak Detection: | 14 |
| Overfill Protection: | 35 |
| Haz Percent: | 50 |
| Last Test: | Not reported |
| Due Date: | Not reported |
| SWIS Code: | 1313 |
| Lat/Long: | Not reported |
| Is Updated: | False |
| Renew Date: | 04/01/93 |
| Is It There: | False |
| Delinquent: | False |
| Date Expired: | 07/13/95 |
| Owner Mark: | 2 |
| Certificate Needs to be Printed: | False |
| Fiscal Amt for Registration Fee Correct: | True |
| Renewal Has Been Printed for Facility: | True |
| Pre-Printed Renewal App Last Printed: | 03/30/2001 |

| | |
|---|---|
| Tank Id: | OTP02 |
| CAS Number: | 7778394 |
| Federal ID: | Not reported |
| Tank Status: | In Service |
| Install Date: | 01/65 |
| Tank Closed: | Not reported |
| Capacity (Gal): | 12500 |
| Chemical: | Arsenic acid |
| Tank Location: | Indoors, Aboveground |
| Tank Type: | Stainless steel alloy |
| Total Tanks: | 7 |
| Tank Secret: | False |
| Tank Secondary Containment: | Other |
| Tank Error Status: | No Missing Data |
| Date Entered: | 07/13/1989 |
| Certified Date: | 08/09/2001 |
| Substance: | Single Hazardous Substance on DEC List |
| Internal Protection: | None |
| External Protection: | Jacketed |
| Pipe Location: | Aboveground |
| Pipe Type: | Steel/Iron |
| Pipe Internal: | None |
| Pipe External: | Wrapped (Piping |
| Pipe Flag: | Wrapped (Piping |
| Leak Detection: | 14 |
| Overfill Protection: | 35 |
| Haz Percent: | 50 |
| Last Test: | Not reported |
| Due Date: | Not reported |
| SWIS Code: | 1313 |
| Lat/Long: | Not reported |
| Is Updated: | False |
| Renew Date: | 04/01/93 |
| Is It There: | False |

**A.C. DUTTON LUMBER CO. (Continued)** **S101008363**

| | |
|---|---|
| Delinquent: | False |
| Date Expired: | 07/13/95 |
| Owner Mark: | 2 |
| Certificate Needs to be Printed: | False |
| Fiscal Amt for Registration Fee Correct: | True |
| Renewal Has Been Printed for Facility: | True |
| Pre-Printed Renewal App Last Printed: | 03/30/2001 |

| | |
|---|---|
| Tank Id: | OTP01 |
| CAS Number: | 7778394 |
| Federal ID: | Not reported |
| Tank Status: | In Service |
| Install Date: | 01/65 |
| Tank Closed: | Not reported |
| Capacity (Gal): | 15000 |
| Chemical: | Arsenic acid |
| Tank Location: | Indoors, Aboveground |
| Tank Type: | Stainless steel alloy |
| Total Tanks: | 7 |
| Tank Secret: | False |
| Tank Secondary Containment: | Other |
| Tank Error Status: | No Missing Data |
| Date Entered: | 07/13/1989 |
| Certified Date: | 08/09/2001 |
| Substance: | Single Hazardous Substance on DEC List |
| Internal Protection: | None |
| External Protection: | Jacketed |
| Pipe Location: | Aboveground |
| Pipe Type: | Steel/Iron |
| Pipe Internal: | None |
| Pipe External: | Wrapped (Piping |
| Pipe Flag: | Wrapped (Piping |
| Leak Detection: | 14 |
| Overfill Protection: | 35 |
| Haz Percent: | 50 |
| Last Test: | Not reported |
| Due Date: | Not reported |
| SWIS Code: | 1313 |
| Lat/Long: | Not reported |
| Is Updated: | False |
| Renew Date: | 04/01/93 |
| Is It There: | False |
| Delinquent: | False |
| Date Expired: | 07/13/95 |
| Owner Mark: | 2 |
| Certificate Needs to be Printed: | False |
| Fiscal Amt for Registration Fee Correct: | True |
| Renewal Has Been Printed for Facility: | True |
| Pre-Printed Renewal App Last Printed: | 03/30/2001 |

| | |
|---|---|
| Tank Id: | OTP04 |
| CAS Number: | 7778394 |
| Federal ID: | Not reported |
| Tank Status: | In Service |
| Install Date: | 01/65 |

**A.C. DUTTON LUMBER CO. (Continued)** **S101008363**

| | |
|---|---|
| Tank Closed: | Not reported |
| Capacity (Gal): | 5600 |
| Chemical: | Arsenic acid |
| Tank Location: | Indoors, Aboveground |
| Tank Type: | Stainless steel alloy |
| Total Tanks: | 7 |
| Tank Secret: | False |
| Tank Secondary Containment: | Other |
| Tank Error Status: | No Missing Data |
| Date Entered: | 07/13/1989 |
| Certified Date: | 08/09/2001 |
| Substance: | Single Hazardous Substance on DEC List |
| Internal Protection: | None |
| External Protection: | Jacketed |
| Pipe Location: | Aboveground |
| Pipe Type: | Steel/Iron |
| Pipe Internal: | None |
| Pipe External: | Wrapped (Piping |
| Pipe Flag: | Wrapped (Piping |
| Leak Detection: | 14 |
| Overfill Protection: | 35 |
| Haz Percent: | 50 |
| Last Test: | Not reported |
| Due Date: | Not reported |
| SWIS Code: | 1313 |
| Lat/Long: | Not reported |
| Is Updated: | False |
| Renew Date: | 04/01/93 |
| Is It There: | False |
| Delinquent: | False |
| Date Expired: | 07/13/95 |
| Owner Mark: | 2 |
| Certificate Needs to be Printed: | False |
| Fiscal Amt for Registration Fee Correct: | True |
| Renewal Has Been Printed for Facility: | True |
| Pre-Printed Renewal App Last Printed: | 03/30/2001 |

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**T85** **A. C. DUTTON LUMBER CORPORATION** **NY DEL SHWS** **S105972506**
**NNW** **N/A**
**1/4-1/2** **POUGHKEEPSIE, NY 12601**
**0.464 mi.**
**2450 ft.** **Site 2 of 2 in cluster T**

**Relative:** DEL SHWS:
**Lower**

| | |
|---|---|
| Name: | A. C. DUTTON LUMBER CORPORATION |
| Address: | Not reported |
| City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| Year: | 1996 |
| Site Code Id: | 314081 |
| Site Classification: | Not reported |
| Region: | Not reported |
| Epa Id Number: | Not reported |
| Site Type - Dump: | No |
| Site Type - Structure: | No |
| Site Type - Lagoon: | No |
| Site Type - Landfill: | No |
| Site Type - Treat Pond: | No |
| Site Size (Acres): | Not reported |

**Actual:**
**50 ft.**

**A. C. DUTTON LUMBER CORPORATION (Continued)** **S105972506**

| | |
|---|---|
| Site Size Comment: | Not reported |
| Period Assoc/HW Start: | 1966 |
| Period Assoc/HW End: | Present |
| Lat/Long: | Not reported |
| Lat/Long Decimal: | Not reported |
| Lat/Long (dms): | 41 42 419.0 / 73 56 170.0 |
| Hazardous Waste Code: | Not reported |
| Hazard Waste Disposed: | Chromated Copper Arsenate |
| Quantity: | Unknown<br>(arsenic component D004)<br>Not reported<br>(chromium component D007)<br>Not reported |
| Air Data Available: | No |
| SW Std Contravention: | No |
| GW Std Contravention: | No |
| Soil Type: | X |
| Sediment Data Available: | No |
| GW Std Contravention: | No |
| DW Std Contravention: | No |
| SW Std Contravention: | No |
| Air Stand Contraventions: | No |
| Legal Action Type: | Not reported |
| State Legal Action: | No |
| Federal Legal Action: | No |
| Enforce Status Code: | Not reported |
| Remedial Act Proposed: | No |
| Rem Act Under Design: | No |
| Rem Act In Progress: | No |
| Rem Act Completed: | No |
| Remedial Action Type: | Not reported |
| Soil Type: | Not reported |
| Depth To Groundwater: | Not reported |
| Owner Name: | Not reported |
| Owner Address: | Not reported |
| Owner City,St,Zip: | Not reported |
| Owner Phone: | Not reported |
| Owner Contact Name: | Not reported |
| Owner During Disposal: | Not reported |
| Owner During Use: | Various Owners during use |
| Operator Name: | A.C. Dutton Lumber Corporation |
| Operator Address: | Not reported |
| Operator City,St,Zip: | Not reported |
| Operator Phone: | Not reported |
| Operator Contact Name: | Not reported |
| Oper During Disposal: | Not reported |
| Site Type: | Not reported |
| HW Disposal Period: | Not reported |
| Analytical Data Available: | Not reported |
| Applicable Std Exceeded: | Not reported |
| Geotech Info: | Not reported |
| Depth To Groundwater: | Not reported |
| Status: | Not reported |
| Nature Of Action: | Not reported |
| Env Prob Assessment: | Possible groundwater and surface water contamination. The contaminantsof concern are arsenic and chromium. |
| Site Description: | Not reported |

**A. C. DUTTON LUMBER CORPORATION (Continued)** **S105972506**

| | |
|---|---|
| Confirmed HW: | Not reported |
| Environment Assesment: | Not reported |
| Health Assesment: | Not reported |
| Disposal Start Date: | Not reported |
| Disposal Term Date: | Not reported |
| Air Violation: | Not reported |
| Groundwater Violation: | Not reported |
| Drink Water Violation: | Not reported |
| Surface Water Violation: | Not reported |
| Legal New York State: | Not reported |
| Legal Federal: | Not reported |
| Legal State: | Not reported |
| Remedial Action Active: | Not reported |
| Remedial Action Done: | Not reported |
| NPL Status: | Not reported |
| Count Operator: | Not reported |
| Count Owner: | Not reported |
| NYTM X: | Not reported |
| NYTM Y: | Not reported |
| Co Name: | Not reported |
| Co Addr: | Not reported |
| Operator Addr: | Not reported |
| Operator Addr 2: | Not reported |
| Operator Addr 3: | Not reported |
| Operator Addr 4: | Not reported |
| HWDP From: | Not reported |
| From To: | Not reported |
| Assessment of Health: | Not reported |
| Description: | Not reported |
| Record Added Date: | Not reported |
| Record Updated Date: | Not reported |
| Env Assessment: | Not reported |
| HW Disposed/Quantity: | Not reported |
| Assess/Env Prog: | Not reported |
| Assess/Health Prob: | Not reported |
| Site Description: | Not reported |

---

**86** **GRAY RESIDENCE** **NY LTANKS** **S105055173**
**SSW** **72 PINE ST** **NY Spills** **N/A**
**1/4-1/2** **POUGHKEEPSIE, NY**
**0.468 mi.**
**2471 ft.**

**Relative:** **Lower**

**Actual:** **106 ft.**

LTANKS:

| | |
|---|---|
| Name: | KATUSA |
| Address: | 72 PINE ST |
| City,State,Zip: | POUGHKEEPSIE, NY |
| Spill Number/Closed Date: | 0103270 / 2001-07-18 |
| Facility ID: | 0103270 |
| Site ID: | 154727 |
| Spill Date: | 2001-06-24 |
| Spill Cause: | Tank Failure |
| Spill Source: | Private Dwelling |
| Spill Class: | C3 |
| Cleanup Ceased: | Not reported |
| SWIS: | 1446 |
| Investigator: | VPMCCABE |
| Referred To: | Not reported |

**GRAY RESIDENCE (Continued)** **S105055173**

| | |
|---|---|
| Reported to Dept: | 2001-06-25 |
| CID: | 281 |
| Water Affected: | Not reported |
| Spill Notifier: | Local Agency |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| Meets Standard: | True |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 2001-06-25 |
| Spill Record Last Update: | 2004-08-11 |
| Spiller Name: | Not reported |
| Spiller Company: | JOE KATUSA-LANDLORD |
| Spiller Address: | UNKNOWN |
| Spiller County: | 001 |
| Spiller Contact: | HOWARD GONIA |
| Spiller Phone: | (845) 486-3422 |
| Spiller Extention: | Not reported |
| DEC Region: | 3 |
| DER Facility ID: | 131162 |
| DEC Memo: | "Prior to Sept, 2004 data translation this spill Lead_DEC Field was MCCABE 07/18/2001 SEE 5 PAGE UPDATE BY V. MCCABE. NO FURTHER ACTION. This spill was updated 08/11/2004 from info in V. McCabe's data files. 'Date:' = 06/25/01, 'Phone' = 6/27/2001, 'Site Insp' = 7/18/2001. " |
| Remarks: | "TENANT AT ABOVE ADDRESS REPORTED TO HEALTH DEPT THAT OIL TANK IN BASEMENT IS LEAKING. HEALTH DEPT WILL RESPOND TO LOCATION ON 6-26-01 AND INVESTIGATE COMPLAINT. NO FURTHER INFORMATION ON SPILLER (PROPERTY OWNER) AT THIS TIME." |

All Materials:

| | |
|---|---|
| Site ID: | 154727 |
| Operable Unit ID: | 840024 |
| Operable Unit: | 01 |
| Material ID: | 535361 |
| Material Code: | 0001A |
| Material Name: | #2 fuel oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | .00 |
| Units: | G |
| Recovered: | .00 |
| Oxygenate: | Not reported |

SPILLS:

| | |
|---|---|
| Name: | GRAY RESIDENCE |
| Address: | 72 PINE ST |
| City,State,Zip: | POUGHKEEPSIE, NY |
| Spill Number/Closed Date: | 0905536 / 2009-08-12 |
| Facility ID: | 0905536 |
| Facility Type: | ER |
| DER Facility ID: | 131162 |
| Site ID: | 417806 |
| DEC Region: | 3 |
| Spill Cause: | Human Error |
| Spill Class: | C3 |

**GRAY RESIDENCE (Continued)** **S105055173**

| | |
|---|---|
| SWIS: | 1446 |
| Spill Date: | 2009-08-12 |
| Investigator: | JPCUMMIN |
| Referred To: | Not reported |
| Reported to Dept: | 2009-08-12 |
| CID: | Not reported |
| Water Affected: | Not reported |
| Spill Source: | Private Dwelling |
| Spill Notifier: | Responsible Party |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 2009-08-12 |
| Spill Record Last Update: | 2009-08-12 |
| Spiller Name: | DAVE WOOD |
| Spiller Company: | BOTTINI FUEL |
| Spiller Address: | 2785 WEST MAIN ST |
| Spiller Company: | 999 |
| Contact Name: | DAVE WOOD |
| DEC Memo: | "8-12-09 Cleaned up. jc 8-12-09: V.Mc.site inspect.: Clean up completed using bio-solve type de-greeser. NFA." |
| Remarks: | "DUE TO AN OVERFILL ABOUT HALF A GALLON SPILLED TO CONCRETE. CLEAN UP WAS DONE." |

All Materials:

| | |
|---|---|
| Site ID: | 417806 |
| Operable Unit ID: | 1174015 |
| Operable Unit: | 01 |
| Material ID: | 2166236 |
| Material Code: | 0001A |
| Material Name: | #2 fuel oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | .50 |
| Units: | G |
| Recovered: | .50 |
| Oxygenate: | Not reported |

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**U87** **POUGHKEEPSIE CITY OF QUAL KROM** **SEMS-ARCHIVE** **1000274437**
**NE** **28 ORCHARD PL** **RCRA NonGen / NLR** **NYD071091292**
**1/4-1/2** **POUGHKEEPSIE, NY 12601** **NY MANIFEST**
**0.473 mi.**
**2500 ft.** **Site 1 of 2 in cluster U**

**Relative:**
**Higher**

**Actual:**
**180 ft.**

SEMS Archive:

| | |
|---|---|
| Site ID: | 0204040 |
| EPA ID: | NYD071091292 |
| Name: | ORCHARD PLACE (QUAL KROM) |
| Address: | 28 ORCHARD PLACE |
| Address 2: | Not reported |
| City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| Cong District: | 19 |
| FIPS Code: | 36027 |
| FF: | N |

**POUGHKEEPSIE CITY OF QUAL KROM (Continued)** **1000274437**

NPL: Not on the NPL
Non NPL Status: Removal Only Site (No Site Assessment Work Needed)

SEMS Archive Detail:

Region: 02
Site ID: 0204040
EPA ID: NYD071091292
Site Name: ORCHARD PLACE (QUAL KROM)
NPL: N
FF: N
OU: 00
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 2000-05-05 04:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 02
Site ID: 0204040
EPA ID: NYD071091292
Site Name: ORCHARD PLACE (QUAL KROM)
NPL: N
FF: N
OU: 00
Action Code: RV
Action Name: RMVL
SEQ: 1
Start Date: 1996-03-19 05:00:00
Finish Date: 1996-09-10 04:00:00
Qual: S
Current Action Lead: EPA Perf

Region: 02
Site ID: 0204040
EPA ID: NYD071091292
Site Name: ORCHARD PLACE (QUAL KROM)
NPL: N
FF: N
OU: 00
Action Code: AR
Action Name: ADMIN REC
SEQ: 1
Start Date: 1996-04-01 05:00:00
Finish Date: Not reported
Qual: V
Current Action Lead: EPA Perf

Region: 02
Site ID: 0204040
EPA ID: NYD071091292
Site Name: ORCHARD PLACE (QUAL KROM)
NPL: N
FF: N
OU: 00
Action Code: RS
Action Name: RV ASSESS

**POUGHKEEPSIE CITY OF QUAL KROM (Continued)** **1000274437**

| | |
|---|---|
| SEQ: | 1 |
| Start Date: | 1996-02-12 05:00:00 |
| Finish Date: | 1996-02-12 05:00:00 |
| Qual: | Not reported |
| Current Action Lead: | EPA Perf |

RCRA NonGen / NLR:

| | |
|---|---|
| Date Form Received by Agency: | 2007-01-01 00:00:00.0 |
| Handler Name: | POUGHKEEPSIE CITY OF QUAL KROM |
| Handler Address: | 28 ORCHARD PL |
| Handler City,State,Zip: | POUGHKEEPSIE, NY 12601-1912 |
| EPA ID: | NYD071091292 |
| Contact Name: | Not reported |
| Contact Address: | PO BOX 300 |
| Contact City,State,Zip: | POUGHKEEPSIE, NY 12602 |
| Contact Telephone: | Not reported |
| Contact Fax: | Not reported |
| Contact Email: | Not reported |
| Contact Title: | Not reported |
| EPA Region: | 02 |
| Land Type: | Municipal |
| Federal Waste Generator Description: | Not a generator, verified |
| Non-Notifier: | Not reported |
| Biennial Report Cycle: | Not reported |
| Accessibility: | Not reported |
| Active Site Indicator: | Not reported |
| State District Owner: | NY |
| State District: | NYSDEC R3 |
| Mailing Address: | PO BOX 300 |
| Mailing City,State,Zip: | POUGHKEEPSIE, NY 12602 |
| Owner Name: | CITY OF POUGHKEEPSIE |
| Owner Type: | Municipal |
| Operator Name: | CITY OF POUGHKEEPSIE |
| Operator Type: | Municipal |
| Short-Term Generator Activity: | No |
| Importer Activity: | No |
| Mixed Waste Generator: | No |
| Transporter Activity: | No |
| Transfer Facility Activity: | No |
| Recycler Activity with Storage: | No |
| Small Quantity On-Site Burner Exemption: | No |
| Smelting Melting and Refining Furnace Exemption: | No |
| Underground Injection Control: | No |
| Off-Site Waste Receipt: | No |
| Universal Waste Indicator: | No |
| Universal Waste Destination Facility: | No |
| Federal Universal Waste: | No |
| Active Site Fed-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site Converter Treatment storage and Disposal Facility: | Not reported |
| Active Site State-Reg Treatment Storage and Disposal Facility: | Not reported |
| Active Site State-Reg Handler: | --- |
| Federal Facility Indicator: | Not reported |
| Hazardous Secondary Material Indicator: | NN |
| Sub-Part K Indicator: | Not reported |
| Commercial TSD Indicator: | No |
| Treatment Storage and Disposal Type: | Not reported |

**POUGHKEEPSIE CITY OF QUAL KROM (Continued)** **1000274437**

| | |
|---|---|
| 2018 GPRA Permit Baseline: | Not on the Baseline |
| 2018 GPRA Renewals Baseline: | Not on the Baseline |
| Permit Renewals Workload Universe: | Not reported |
| Permit Workload Universe: | Not reported |
| Permit Progress Universe: | Not reported |
| Post-Closure Workload Universe: | Not reported |
| Closure Workload Universe: | Not reported |
| 202 GPRA Corrective Action Baseline: | No |
| Corrective Action Workload Universe: | No |
| Subject to Corrective Action Universe: | No |
| Non-TSDFs Where RCRA CA has Been Imposed Universe: | No |
| TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: | No |
| TSDFs Only Subject to CA under Discretionary Auth Universe: | No |
| Corrective Action Priority Ranking: | No NCAPS ranking |
| Environmental Control Indicator: | No |
| Institutional Control Indicator: | No |
| Human Exposure Controls Indicator: | N/A |
| Groundwater Controls Indicator: | N/A |
| Operating TSDF Universe: | Not reported |
| Full Enforcement Universe: | Not reported |
| Significant Non-Complier Universe: | No |
| Unaddressed Significant Non-Complier Universe: | No |
| Addressed Significant Non-Complier Universe: | No |
| Significant Non-Complier With a Compliance Schedule Universe: | No |
| Financial Assurance Required: | Not reported |
| Handler Date of Last Change: | 2015-04-14 00:00:00.0 |
| Recognized Trader-Importer: | No |
| Recognized Trader-Exporter: | No |
| Importer of Spent Lead Acid Batteries: | No |
| Exporter of Spent Lead Acid Batteries: | No |
| Recycler Activity Without Storage: | Not reported |
| Manifest Broker: | Not reported |
| Sub-Part P Indicator: | Not reported |

Hazardous Waste Summary:

| | |
|---|---|
| Waste Code: | D000 |
| Waste Description: | Not Defined |
| Waste Code: | D002 |
| Waste Description: | CORROSIVE WASTE |
| Waste Code: | D006 |
| Waste Description: | CADMIUM |
| Waste Code: | D008 |
| Waste Description: | LEAD |
| Waste Code: | F006 |
| Waste Description: | WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM. |

**POUGHKEEPSIE CITY OF QUAL KROM (Continued)** **1000274437**

Handler - Owner Operator:

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | CITY OF POUGHKEEPSIE |
| Legal Status: | Municipal |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | PO BOX 300 CITY ENGINEER |
| Owner/Operator City,State,Zip: | POUGHKEEPSIE, NY 12602 |
| Owner/Operator Telephone: | 914-451-4109 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

| | |
|---|---|
| Owner/Operator Indicator: | Owner |
| Owner/Operator Name: | CITY OF POUGHKEEPSIE |
| Legal Status: | Municipal |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | PO BOX 300 CITY ENGINEER |
| Owner/Operator City,State,Zip: | POUGHKEEPSIE, NY 12602 |
| Owner/Operator Telephone: | 914-451-4109 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

| | |
|---|---|
| Owner/Operator Indicator: | Operator |
| Owner/Operator Name: | CITY OF POUGHKEEPSIE |
| Legal Status: | Municipal |
| Date Became Current: | Not reported |
| Date Ended Current: | Not reported |
| Owner/Operator Address: | PO BOX 300 CITY ENGINEER |
| Owner/Operator City,State,Zip: | POUGHKEEPSIE, NY 12602 |
| Owner/Operator Telephone: | 914-451-4109 |
| Owner/Operator Telephone Ext: | Not reported |
| Owner/Operator Fax: | Not reported |
| Owner/Operator Email: | Not reported |

Historic Generators:

| | |
|---|---|
| Receive Date: | 1999-07-08 00:00:00.0 |
| Handler Name: | POUGHKEEPSIE CITY OF QUAL KROM |
| Federal Waste Generator Description: | Not a generator, verified |
| State District Owner: | NY |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | No |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |

| | |
|---|---|
| Receive Date: | 2006-01-01 00:00:00.0 |
| Handler Name: | POUGHKEEPSIE CITY OF QUAL KROM |
| Federal Waste Generator Description: | Not a generator, verified |
| State District Owner: | NY |
| Large Quantity Handler of Universal Waste: | No |

**POUGHKEEPSIE CITY OF QUAL KROM (Continued)** **1000274437**

| | |
|---|---|
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | No |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |

| | |
|---|---|
| Receive Date: | 2007-01-01 00:00:00.0 |
| Handler Name: | POUGHKEEPSIE CITY OF QUAL KROM |
| Federal Waste Generator Description: | Not a generator, verified |
| State District Owner: | NY |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | Yes |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |

| | |
|---|---|
| Receive Date: | 1992-10-19 00:00:00.0 |
| Handler Name: | POUGHKEEPSIE CITY OF QUAL KROM |
| Federal Waste Generator Description: | Large Quantity Generator |
| State District Owner: | NY |
| Large Quantity Handler of Universal Waste: | No |
| Recognized Trader Importer: | No |
| Recognized Trader Exporter: | No |
| Spent Lead Acid Battery Importer: | No |
| Spent Lead Acid Battery Exporter: | No |
| Current Record: | No |
| Non Storage Recycler Activity: | Not reported |
| Electronic Manifest Broker: | Not reported |

List of NAICS Codes and Descriptions:

No NAICS Codes Found:

Facility Has Received Notices of Violation:

| | |
|---|---|
| Found Violation: | Yes |
| Agency Which Determined Violation: | State |
| Violation Short Description: | Generators - Records/Reporting |
| Date Violation was Determined: | 1997-08-26 00:00:00.0 |
| Actual Return to Compliance Date: | 1997-09-15 00:00:00.0 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | State |
| Scheduled Compliance Date: | 1997-10-01 00:00:00.0 |
| Enforcement Identifier: | 000 |
| Date of Enforcement Action: | 1997-08-26 00:00:00.0 |
| Enforcement Responsible Agency: | State |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | NY |
| Corrective Action Component: | No |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |

**POUGHKEEPSIE CITY OF QUAL KROM (Continued)** **1000274437**

Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: NYDEC
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

**POUGHKEEPSIE CITY OF QUAL KROM (Continued)** **1000274437**

| | |
|---|---|
| Found Violation: | Yes |
| Agency Which Determined Violation: | State |
| Violation Short Description: | Generators - General |
| Date Violation was Determined: | 1990-07-13 00:00:00.0 |
| Actual Return to Compliance Date: | 1995-01-20 00:00:00.0 |
| Return to Compliance Qualifier: | Observed |
| Violation Responsible Agency: | State |
| Scheduled Compliance Date: | Not reported |
| Enforcement Identifier: | Not reported |
| Date of Enforcement Action: | Not reported |
| Enforcement Responsible Agency: | Not reported |
| Enforcement Docket Number: | Not reported |
| Enforcement Attorney: | Not reported |
| Corrective Action Component: | Not reported |
| Appeal Initiated Date: | Not reported |
| Appeal Resolution Date: | Not reported |
| Disposition Status Date: | Not reported |
| Disposition Status: | Not reported |
| Disposition Status Description: | Not reported |
| Consent/Final Order Sequence Number: | Not reported |
| Consent/Final Order Respondent Name: | Not reported |
| Consent/Final Order Lead Agency: | Not reported |
| Enforcement Type: | Not reported |
| Enforcement Responsible Person: | Not reported |
| Enforcement Responsible Sub-Organization: | Not reported |
| SEP Sequence Number: | Not reported |
| SEP Expenditure Amount: | Not reported |
| SEP Scheduled Completion Date: | Not reported |
| SEP Actual Date: | Not reported |
| SEP Defaulted Date: | Not reported |
| SEP Type: | Not reported |
| SEP Type Description: | Not reported |
| Proposed Amount: | Not reported |
| Final Monetary Amount: | Not reported |
| Paid Amount: | Not reported |
| Final Count: | Not reported |
| Final Amount: | Not reported |

Evaluation Action Summary:

| | |
|---|---|
| Evaluation Date: | 1997-03-01 00:00:00.0 |
| Evaluation Responsible Agency: | State |
| Found Violation: | Yes |
| Evaluation Type Description: | NON-FINANCIAL RECORD REVIEW |
| Evaluation Responsible Person Identifier: | Not reported |
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | 1997-09-15 00:00:00.0 |
| Scheduled Compliance Date: | 1997-10-01 00:00:00.0 |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |

| | |
|---|---|
| Evaluation Date: | 1985-05-02 00:00:00.0 |
| Evaluation Responsible Agency: | State |
| Found Violation: | No |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | Not reported |

**POUGHKEEPSIE CITY OF QUAL KROM (Continued)** **1000274437**

| | |
|---|---|
| Evaluation Responsible Sub-Organization: | Not reported |
| Actual Return to Compliance Date: | Not reported |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |

| | |
|---|---|
| Evaluation Date: | 1990-06-07 00:00:00.0 |
| Evaluation Responsible Agency: | State |
| Found Violation: | Yes |
| Evaluation Type Description: | COMPLIANCE EVALUATION INSPECTION ON-SITE |
| Evaluation Responsible Person Identifier: | NYWBY |
| Evaluation Responsible Sub-Organization: | R3 |
| Actual Return to Compliance Date: | 1995-01-20 00:00:00.0 |
| Scheduled Compliance Date: | Not reported |
| Date of Request: | Not reported |
| Date Response Received: | Not reported |
| Request Agency: | Not reported |
| Former Citation: | Not reported |

NY MANIFEST:

| | |
|---|---|
| Name: | USEPA REGION II ORCHARD PLACE |
| Address: | 28 ORCHARD PL |
| City,State,Zip: | POUGHKEEPSIE, NY 12601-1912 |
| Country: | USA |
| EPA ID: | NYD071091292 |
| Facility Status: | Not reported |
| Location Address 1: | 28 ORCHARD PLACE |
| Code: | BP |
| Location Address 2: | Not reported |
| Total Tanks: | Not reported |
| Location City: | POUGHKEEPSIE |
| Location State: | NY |
| Location Zip: | 12601 |
| Location Zip 4: | Not reported |

NY MANIFEST:

| | |
|---|---|
| EPAID: | NYD071091292 |
| Mailing Name: | USEPA REGION II ORCHARD PLACE |
| Mailing Contact: | JEFF BECHTEL |
| Mailing Address 1: | 2890 WOODBRIDGE AVENUE |
| Mailing Address 2: | Not reported |
| Mailing City: | EDISON |
| Mailing State: | NJ |
| Mailing Zip: | 08837 |
| Mailing Zip 4: | Not reported |
| Mailing Country: | USA |
| Mailing Phone: | 9085488730 |

NY MANIFEST:

| | |
|---|---|
| Document ID: | NYB9303039 |
| Manifest Status: | Not reported |
| seq: | 01 |
| Year: | 2000 |
| Trans1 State ID: | 1544BSNY |

**POUGHKEEPSIE CITY OF QUAL KROM (Continued)** **1000274437**

| | |
|---|---|
| Trans2 State ID: | Not reported |
| Generator Ship Date: | 02/02/2000 |
| Trans1 Recv Date: | 02/02/2000 |
| Trans2 Recv Date: | Not reported |
| TSD Site Recv Date: | 02/03/2000 |
| Part A Recv Date: | Not reported |
| Part B Recv Date: | Not reported |
| Generator EPA ID: | NYD071091292 |
| Trans1 EPA ID: | NYD046765574 |
| Trans2 EPA ID: | Not reported |
| TSDF ID 1: | NYD049836679 |
| TSDF ID 2: | Not reported |
| Manifest Tracking Number: | Not reported |
| Import Indicator: | Not reported |
| Export Indicator: | Not reported |
| Discr Quantity Indicator: | Not reported |
| Discr Type Indicator: | Not reported |
| Discr Residue Indicator: | Not reported |
| Discr Partial Reject Indicator: | Not reported |
| Discr Full Reject Indicator: | Not reported |
| Manifest Ref Number: | Not reported |
| Alt Facility RCRA ID: | Not reported |
| Alt Facility Sign Date: | Not reported |
| MGMT Method Type Code: | Not reported |
| Waste Code: | F007 - PLATING BATH SOL FM ELECTROPLATING OPER |
| Waste Code: | Not reported |
| Waste Code: | Not reported |
| Waste Code: | Not reported |
| Waste Code: | Not reported |
| Waste Code: | Not reported |
| Quantity: | 31800 |
| Units: | P - Pounds |
| Number of Containers: | 001 |
| Container Type: | CM - Metal boxes, cases, roll-offs |
| Handling Method: | L Landfill. |
| Specific Gravity: | 01.00 |

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**U88** **QUAL KROM SITE** **NY SHWS** **S105589938**
**NE** **28 ORCHARD PLACE** **NY ERP** **N/A**
**1/4-1/2** **POUGHKEEPSIE, NY 12602** **NY Spills**
**0.473 mi.**
**2500 ft.** **Site 2 of 2 in cluster U**

**Relative:**
**Higher**

**Actual:**
**180 ft.**

SHWS:

| | |
|---|---|
| Name: | QUAL KROM POUGHKEEPSIE |
| Address: | 28 ORCHARD PLACE |
| City,State,Zip: | POUGHKEEPSIE, NY 12602 |
| Program: | HW |
| Site Code: | 335223 |
| Classification: | Not reported |
| Region: | 3 |
| Acres: | 0.20000000000000001 |
| HW Code: | 314100 |
| Record Add: | 11/18/1999 |
| Record Upd: | 02/10/2020 |
| Updated By: | GWBURKE |
| Site Description: | The site was addressed by the Environmental Restoration Program. See |

**QUAL KROM SITE (Continued)** **S105589938**

Site #B00036

| | |
|---|---|
| Env Problem: | Not reported |
| Health Problem: | Not reported |
| Dump: | Not reported |
| Structure: | Not reported |
| Lagoon: | Not reported |
| Landfill: | Not reported |
| Pond: | Not reported |
| Disp Start: | Not reported |
| Disp Term: | Not reported |
| Lat/Long: | Not reported |
| Dell: | Not reported |
| Record Add: | Not reported |
| Record Upd: | Not reported |
| Updated By: | Not reported |
| Own Op: | Not reported |
| Sub Type: | Not reported |
| Owner Name: | Not reported |
| Owner Company: | Not reported |
| Owner Address: | Not reported |
| Owner Addr2: | Not reported |
| Owner City,St,Zip: | Not reported |
| Owner Country: | Not reported |
| HW Code: | Not reported |
| Waste Type: | Not reported |
| Waste Quantity: | Not reported |
| Waste Code: | Not reported |
| Crossref ID: | Not reported |
| Cross Ref Type Code: | Not reported |
| Cross Ref Type: | Not reported |
| Record Added Date: | Not reported |
| Record Updated: | Not reported |
| Updated By: | Not reported |

ERP:

| | |
|---|---|
| Name: | QUAL KROM SITE |
| Address: | 28 ORCHARD PLACE |
| City,State,Zip: | POUGHKEEPSIE, NY 12602 |
| Site Code: | 58075 |
| Program: | ERP |
| HW Code: | B00036 |
| Site Class: | Not reported |
| Class N: | Not reported |
| SWIS: | 1446 |
| Region: | 3 |
| Town: | Poughkeepsie |
| Acres: | 0.2 |
| Record Added: | 10/28/2003 |
| Record Updated: | 06/16/2015 |
| Updated By: | GWBURKE |
| Site Description: | This 0.2 acre site is located in a residential section in the City of Poughkeepsie. The site is bordered by an abandoned railroad grade and residential housing. The facility was operated as a metal plating facility until 1987 by the same PRP that operated the hazardous waste site Qual Krom, ID No. 314013. The City took ownership in 1988 for back taxes. Abandoned drums were found inside and outside the building. Samples were collected in 1989. A partial removal was |

**QUAL KROM SITE (Continued)** **S105589938**

performed in 1992. The drums and wastes that were in the building were similar to those removed from the outside the building. In 1996 the USEPA conducted a CERCLA removal action. It included stabilization of the building; containerization of the vat sludges, drums, and labpacks; inventorying, sampling and analysis of all materials for waste characterization; and disposal. This site was initially designated a potential Registry site ('P' site) and was then remediated under the Environmental Restoration Program. Asbestos abatement,building demolition and soil removal has been completed. Based upon the fact that soil cleanup numbers for unrestricted residential use were met in the excavation confirmation samples, an Environmental Easement will not be required for the property.

Env Problem: The primary contaminants of concern at the site are metals.The site has been remediated. Asbestos abatement, building demolition and soil removal has been completed. An Environemental Easement will not be required for the property

Health Problem: This site no longer represents a public health concern because metals-contaminated soils were excavated and properly disposed off-site and municipal water serves the area.

SPILLS:

| | |
|---|---|
| Name: | DEE DRUM ESCAPADE |
| Address: | 28 ORCHARD ST |
| City,State,Zip: | POUGHKEEPSIE, NY |
| Spill Number/Closed Date: | 8901635 / 1989-07-14 |
| Facility ID: | 8901635 |
| Facility Type: | ER |
| DER Facility ID: | 113652 |
| Site ID: | 131919 |
| DEC Region: | 3 |
| Spill Cause: | Unknown |
| Spill Class: | Not reported |
| SWIS: | 1446 |
| Spill Date: | 1989-05-18 |
| Investigator: | dxtraver |
| Referred To: | Not reported |
| Reported to Dept: | 1989-05-18 |
| CID: | Not reported |
| Water Affected: | Not reported |
| Spill Source: | Private Dwelling |
| Spill Notifier: | Fire Department |
| Cleanup Ceased: | 1989-07-14 |
| Cleanup Meets Std: | True |
| Last Inspection: | 1989-07-14 |
| Recommended Penalty: | True |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 1989-06-07 |
| Spill Record Last Update: | 1989-09-21 |
| Spiller Name: | Not reported |
| Spiller Company: | Not reported |
| Spiller Address: | Not reported |
| Spiller Company: | 001 |
| Contact Name: | Not reported |
| DEC Memo: | "Prior to Sept, 2004 data translation this spill Lead_DEC Field was DAVE TRAVER 08/21/89: HAZ-MAT ISR SENT TO ALBANY ON 8/21/89. " |
| Remarks: | "REPORT OF HAZ MAT CHEMICAL OUT OF GARAGE. UNKNOWN CHEMICAL FROM |

**QUAL KROM SITE (Continued)** **S105589938**

GARAGE AREA ONTO PROPERTY. REFERRED TO DSHW.DEE SAMPLING ON 7/10/89 CAUSED AHAZ-MAT CLEANUP CONTRACTOR TO BE HIRED CASE REOPENED"

All Materials:

| | |
|---|---|
| Site ID: | 131919 |
| Operable Unit ID: | 928905 |
| Operable Unit: | 01 |
| Material ID: | 449367 |
| Material Code: | 0066A |
| Material Name: | unknown petroleum |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | .00 |
| Units: | G |
| Recovered: | .00 |
| Oxygenate: | Not reported |

---

**89**
**NW**
**1/4-1/2**
**0.485 mi.**
**2562 ft.**

**A C DUTTON LUMBER CORPORATION**
**1 DUTCHESS AVE**
**POUGHKEEPSIE, NY 12601**

**NY ENG CONTROLS** **S110748435**
**NY INST CONTROL** **N/A**
**NY BROWNFIELDS**
**NY MANIFEST**

**Relative:**
**Lower**

**Actual:**
**8 ft.**

ENG CONTROLS:

| | |
|---|---|
| Name: | A.C. DUTTON GREENWAY CITY |
| Address: | 1 DUTCHESS AVENUE |
| City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| Site Code: | 505421 |
| HW Code: | Not reported |
| Control Code: | 15 |
| Control Type: | ENG |
| Date Record Added: | 11/14/2016 |
| Date Rec Updated: | 03/25/2020 |
| Updated By: | MHSQUIRE |
| Site Description: | Location: The A.C. Dutton Greenway City Site is located in an urban area at 1 Dutchess Avenue, in the City of Poughkeepsie, Dutchess County. The site is adjacent to the Hudson River. Site Features: The site is vacant. There are no buildings, foundations or paved areas on the site. Current Zoning/Use: The site is located in a Waterfront District, which allows for restricted-residential use and is currently vacant. Past Use of the Site: The site was used for industrial purposes from the 1830s to 1995. Prior uses included processing of whale oil, a screw factory, a sash factory, a locomotive factory, a dyewood factory, an iron works plant, and glass works plant. The A.C. Dutton Lumber Company operated a wholesale lumber company on the site from 1966 to 1995. Site Geology and Hydrogeology: The site consists of historic fill composed of solidified kiln ash, which includes sand and gravel, demolition debris, bricks and cinder block fragments. Native material, consisting of light brown silty sand, was encountered at approximately 5 feet below the surface. Depth to groundwater at the site is approximately 4 to 6 feet below ground surface and is assumed to flow to the west toward the Hudson River. However, groundwater flow is likely influenced by tides. |
| Env Problem: | Nature and Extent of Contamination: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were arsenic, chromium and copper in soil. Remedial actions have |

**A C DUTTON LUMBER CORPORATION (Continued)** **S110748435**

| | |
|---|---|
| | successfully achieved soil cleanup objectives for restricted-residential use. Residual contamination in the soil and groundwater is being managed under a Site Management Plan. |
| Health Problem: | A two-foot cover of clean soil is present at the site. People will not come into contact with contaminated soils unless they dig below the surface materials. Contaminated groundwater at the site is not used for drinking or other purposes. The area is served by a public water supply that is not affected by this contamination. |
| Dump: | False |
| Structure: | False |
| Lagoon: | False |
| Landfill: | False |
| Pond: | False |
| Disp Start: | Not reported |
| Disp Term: | Not reported |
| Lat/Long: | Not reported |
| Dell: | Not reported |
| Record Add: | 10/29/2015 3:01:00 PM |
| Record Upd: | 12/2/2016 11:11:00 AM |
| Updated By: | JLVERRIG |
| Own Op: | 1 |
| Sub Type: | NNN |
| Owner Name: | Lou Kaufman |
| Owner Company: | The O'Neill Group-Dutton, LLC |
| Owner Address: | 241 Hudson Street |
| Owner Addr2: | Not reported |
| Owner City,St,Zip: | Hackensack, NJ 7601 |
| Owner Country: | United States of America |
| Own Op: | Document Repository |
| Sub Type: | NNN |
| Owner Name: | Thomas Lawrence |
| Owner Company: | Adriance Memorial Library |
| Owner Address: | 93 Market Street |
| Owner Addr2: | Not reported |
| Owner City,St,Zip: | Poughkeepsie, NY 12601 |
| Owner Country: | United States of America |
| Own Op: | 6 |
| Sub Type: | P03 |
| Owner Name: | Louis Kaufman |
| Owner Company: | Dutchess Avenue Riverwalk, LLC |
| Owner Address: | 241 Hudson St. |
| Owner Addr2: | Not reported |
| Owner City,St,Zip: | Hackensack, NJ 7601 |
| Owner Country: | United States of America |
| Own Op: | Document Repository |
| Sub Type: | NNN |
| Owner Name: | Please Call for an Appointment |
| Owner Company: | NYSDEC Region 3 Office |
| Owner Address: | 21 S. Putt Corners Road |
| Owner Addr2: | Not reported |
| Owner City,St,Zip: | New Paltz, NY 12561 |
| Owner Country: | United States of America |
| HW Code: | Not reported |
| Waste Type: | Not reported |
| Waste Quantity: | Not reported |
| Waste Code: | Not reported |
| Crossref ID: | C314123-05-15 |

**A C DUTTON LUMBER CORPORATION (Continued)** **S110748435**

| | |
|---|---|
| Cross Ref Type Code: | 23 |
| Cross Ref Type: | Agreement/Consent Order Number |
| Record Added Date: | 11/2/2016 1:27:00 PM |
| Record Updated: | 11/2/2016 1:27:00 PM |
| Updated By: | JLVERRIG |
| Crossref ID: | 02-2016-7528 |
| Cross Ref Type Code: | 25 |
| Cross Ref Type: | County Recording Identifier |
| Record Added Date: | 11/2/2016 1:23:00 PM |
| Record Updated: | 11/2/2016 1:23:00 PM |
| Updated By: | JLVERRIG |
| | |
| Name: | A.C. DUTTON GREENWAY NORTH TOWN |
| Address: | 1 DUTCHESS AVENUE |
| City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| Site Code: | 505422 |
| HW Code: | Not reported |
| Control Code: | 15 |
| Control Type: | ENG |
| Date Record Added: | 12/01/2016 |
| Date Rec Updated: | 03/25/2020 |
| Updated By: | MHSQUIRE |
| Site Description: | Location: The A.C. Dutton Greenway North Town Site is located in an urban area in the Town of Poughkeepsie, Dutchess County. The site is adjacent to the Hudson River. Site Features: The site is vacant. There are no buildings, foundations or paved areas on the site. Current Zoning/Use: The site is zoned for Waterfront District 2, which allows for active recreation uses and is currently not used. Past Use of the Site: The site property was used for industrial purposes from the 1830s to 1995. Prior uses included processing of whale oil, screw factory, a sash factory, a locomotive factory, a dyewood factory, an iron works plant, and glass works plant. The A.C. Dutton Lumber Company operated a wholesale lumber company on the site from 1966 to 1995. Site Geology and Hydrogeology: The site consists of historic fill composed of solidified kiln ash, which includes sand and gravel, demolition debris, bricks and cinder block fragments, anthracite coal, ash, sand, silt and large gravel. Depth to groundwater at the site is approximately 4 to 6 feet below ground surface and is assumed to flow to the west toward the Hudson River. However, groundwater flow is likely influenced by tides. |
| Env Problem: | Nature and Extent of Contamination: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were arsenic, chromium and copper in soil. Remedial actions have successfully achieved soil cleanup objectives for restricted-residential use. Residual contamination in the soil and groundwater is being managed under a Site Management Plan. |
| Health Problem: | A two-foot cover of clean soil is present at the site. People will not come into contact with contaminated soils unless they dig below the surface materials. Contaminated groundwater at the site is not used for drinking or other purposes. The area is served by a public water supply that is not affected by this contamination. |
| Dump: | False |
| Structure: | False |
| Lagoon: | False |
| Landfill: | False |
| Pond: | False |
| Disp Start: | Not reported |

**A C DUTTON LUMBER CORPORATION (Continued)** **S110748435**

| | |
|---|---|
| Disp Term: | Not reported |
| Lat/Long: | Not reported |
| Dell: | Not reported |
| Record Add: | 12/11/2015 9:26:00 AM |
| Record Upd: | 12/27/2016 11:30:00 AM |
| Updated By: | GWHEITZM |
| Own Op: | 6 |
| Sub Type: | P03 |
| Owner Name: | Louis Kaufman |
| Owner Company: | Dutchess Avenue Riverwalk North, LLC |
| Owner Address: | 241 Hudson St. |
| Owner Addr2: | Not reported |
| Owner City,St,Zip: | Hackensack, NJ 7601 |
| Owner Country: | United States of America |
| Own Op: | Document Repository |
| Sub Type: | NNN |
| Owner Name: | Thomas Lawrence |
| Owner Company: | Adriance Memorial Library |
| Owner Address: | 93 Market Street |
| Owner Addr2: | Not reported |
| Owner City,St,Zip: | Poughkeepsie, NY 12601 |
| Owner Country: | United States of America |
| Own Op: | 1 |
| Sub Type: | NNN |
| Owner Name: | Louis Kaufman |
| Owner Company: | The O'Neill Group-Dutton, LLC |
| Owner Address: | 241 Hudson Street |
| Owner Addr2: | Not reported |
| Owner City,St,Zip: | Hackensack, NJ 7601 |
| Owner Country: | United States of America |
| Own Op: | Document Repository |
| Sub Type: | NNN |
| Owner Name: | Please Call for an Appointment |
| Owner Company: | NYSDEC Region 3 Office |
| Owner Address: | 21 S. Putt Corners Road |
| Owner Addr2: | Not reported |
| Owner City,St,Zip: | New Paltz, NY 12561 |
| Owner Country: | United States of America |
| HW Code: | Not reported |
| Waste Type: | Not reported |
| Waste Quantity: | Not reported |
| Waste Code: | Not reported |
| Crossref ID: | C314124-05-15 |
| Cross Ref Type Code: | 23 |
| Cross Ref Type: | Agreement/Consent Order Number |
| Record Added Date: | 11/2/2016 1:28:00 PM |
| Record Updated: | 11/2/2016 1:28:00 PM |
| Updated By: | JLVERRIG |
| Crossref ID: | 02-2016-7527 |
| Cross Ref Type Code: | 25 |
| Cross Ref Type: | County Recording Identifier |
| Record Added Date: | 11/2/2016 1:23:00 PM |
| Record Updated: | 11/2/2016 1:23:00 PM |
| Updated By: | JLVERRIG |

INST CONTROL:
Name: A.C. DUTTON GREENWAY CITY

**A C DUTTON LUMBER CORPORATION (Continued)** **S110748435**

| | |
|---|---|
| Address: | 1 DUTCHESS AVENUE |
| City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| Site Code: | 505421 |
| Control Name: | Monitoring Plan |
| HW Code: | Not reported |
| Control Code: | 31 |
| Control Type: | INST |
| Dt record added: | 11/14/2016 |
| Dt rec updated: | 03/25/2020 |
| Updated By: | MHSQUIRE |
| Site Code: | 505421 |
| Site Description: | Location: The A.C. Dutton Greenway City Site is located in an urban area at 1 Dutchess Avenue, in the City of Poughkeepsie, Dutchess County. The site is adjacent to the Hudson River. Site Features: The site is vacant. There are no buildings, foundations or paved areas on the site. Current Zoning/Use: The site is located in a Waterfront District, which allows for restricted-residential use and is currently vacant. Past Use of the Site: The site was used for industrial purposes from the 1830s to 1995. Prior uses included processing of whale oil, a screw factory, a sash factory, a locomotive factory, a dyewood factory, an iron works plant, and glass works plant. The A.C. Dutton Lumber Company operated a wholesale lumber company on the site from 1966 to 1995. Site Geology and Hydrogeology: The site consists of historic fill composed of solidified kiln ash, which includes sand and gravel, demolition debris, bricks and cinder block fragments. Native material, consisting of light brown silty sand, was encountered at approximately 5 feet below the surface. Depth to groundwater at the site is approximately 4 to 6 feet below ground surface and is assumed to flow to the west toward the Hudson River. However, groundwater flow is likely influenced by tides. |
| Env Problem: | Nature and Extent of Contamination: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were arsenic, chromium and copper in soil. Remedial actions have successfully achieved soil cleanup objectives for restricted-residential use. Residual contamination in the soil and groundwater is being managed under a Site Management Plan. |
| Health Problem: | A two-foot cover of clean soil is present at the site. People will not come into contact with contaminated soils unless they dig below the surface materials. Contaminated groundwater at the site is not used for drinking or other purposes. The area is served by a public water supply that is not affected by this contamination. |
| Dump: | False |
| Structure: | False |
| Lagoon: | False |
| Landfill: | False |
| Pond: | False |
| Disp Start: | Not reported |
| Disp Term: | Not reported |
| Lat/Long: | Not reported |
| Dell: | Not reported |
| Record Add: | 10/29/2015 3:01:00 PM |
| Record Upd: | 12/2/2016 11:11:00 AM |
| Updated By: | JLVERRIG |
| Own Op: | 1 |
| Sub Type: | NNN |
| Owner Name: | Lou Kaufman |

**A C DUTTON LUMBER CORPORATION (Continued)** **S110748435**

Owner Company: The O'Neill Group-Dutton, LLC
Owner Address: 241 Hudson Street
Owner Addr2: Not reported
Owner City,St,Zip: Hackensack, NJ 7601
Owner Country: United States of America
Own Op: Document Repository
Sub Type: NNN
Owner Name: Thomas Lawrence
Owner Company: Adriance Memorial Library
Owner Address: 93 Market Street
Owner Addr2: Not reported
Owner City,St,Zip: Poughkeepsie, NY 12601
Owner Country: United States of America
Own Op: 6
Sub Type: P03
Owner Name: Louis Kaufman
Owner Company: Dutchess Avenue Riverwalk, LLC
Owner Address: 241 Hudson St.
Owner Addr2: Not reported
Owner City,St,Zip: Hackensack, NJ 7601
Owner Country: United States of America
Own Op: Document Repository
Sub Type: NNN
Owner Name: Please Call for an Appointment
Owner Company: NYSDEC Region 3 Office
Owner Address: 21 S. Putt Corners Road
Owner Addr2: Not reported
Owner City,St,Zip: New Paltz, NY 12561
Owner Country: United States of America
HW Code: Not reported
Waste Type: Not reported
Waste Quantity: Not reported
Waste Code: Not reported
Crossref ID: C314123-05-15
Cross Ref Type Code: 23
Cross Ref Type: Agreement/Consent Order Number
Record Added Date: 11/2/2016 1:27:00 PM
Record Updated: 11/2/2016 1:27:00 PM
Updated By: JLVERRIG
Crossref ID: 02-2016-7528
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 11/2/2016 1:23:00 PM
Record Updated: 11/2/2016 1:23:00 PM
Updated By: JLVERRIG

Name: A.C. DUTTON GREENWAY CITY
Address: 1 DUTCHESS AVENUE
City,State,Zip: POUGHKEEPSIE, NY 12601
Site Code: 505421
Control Name: Landuse Restriction
HW Code: Not reported
Control Code: 25
Control Type: INST
Dt record added: 11/14/2016
Dt rec updated: 03/25/2020
Updated By: MHSQUIRE

**A C DUTTON LUMBER CORPORATION (Continued)** **S110748435**

| | |
|---|---|
| Site Code: | 505421 |
| Site Description: | Location: The A.C. Dutton Greenway City Site is located in an urban area at 1 Dutchess Avenue, in the City of Poughkeepsie, Dutchess County. The site is adjacent to the Hudson River. Site Features: The site is vacant. There are no buildings, foundations or paved areas on the site. Current Zoning/Use: The site is located in a Waterfront District, which allows for restricted-residential use and is currently vacant. Past Use of the Site: The site was used for industrial purposes from the 1830s to 1995. Prior uses included processing of whale oil, a screw factory, a sash factory, a locomotive factory, a dyewood factory, an iron works plant, and glass works plant. The A.C. Dutton Lumber Company operated a wholesale lumber company on the site from 1966 to 1995. Site Geology and Hydrogeology: The site consists of historic fill composed of solidified kiln ash, which includes sand and gravel, demolition debris, bricks and cinder block fragments. Native material, consisting of light brown silty sand, was encountered at approximately 5 feet below the surface. Depth to groundwater at the site is approximately 4 to 6 feet below ground surface and is assumed to flow to the west toward the Hudson River. However, groundwater flow is likely influenced by tides. |
| Env Problem: | Nature and Extent of Contamination: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were arsenic, chromium and copper in soil. Remedial actions have successfully achieved soil cleanup objectives for restricted-residential use. Residual contamination in the soil and groundwater is being managed under a Site Management Plan. |
| Health Problem: | A two-foot cover of clean soil is present at the site. People will not come into contact with contaminated soils unless they dig below the surface materials. Contaminated groundwater at the site is not used for drinking or other purposes. The area is served by a public water supply that is not affected by this contamination. |
| Dump: | False |
| Structure: | False |
| Lagoon: | False |
| Landfill: | False |
| Pond: | False |
| Disp Start: | Not reported |
| Disp Term: | Not reported |
| Lat/Long: | Not reported |
| Dell: | Not reported |
| Record Add: | 10/29/2015 3:01:00 PM |
| Record Upd: | 12/2/2016 11:11:00 AM |
| Updated By: | JLVERRIG |
| Own Op: | 1 |
| Sub Type: | NNN |
| Owner Name: | Lou Kaufman |
| Owner Company: | The O'Neill Group-Dutton, LLC |
| Owner Address: | 241 Hudson Street |
| Owner Addr2: | Not reported |
| Owner City,St,Zip: | Hackensack, NJ 7601 |
| Owner Country: | United States of America |
| Own Op: | Document Repository |
| Sub Type: | NNN |
| Owner Name: | Thomas Lawrence |
| Owner Company: | Adriance Memorial Library |
| Owner Address: | 93 Market Street |

**A C DUTTON LUMBER CORPORATION (Continued)** **S110748435**

Owner Addr2: Not reported
Owner City,St,Zip: Poughkeepsie, NY 12601
Owner Country: United States of America
Own Op: 6
Sub Type: P03
Owner Name: Louis Kaufman
Owner Company: Dutchess Avenue Riverwalk, LLC
Owner Address: 241 Hudson St.
Owner Addr2: Not reported
Owner City,St,Zip: Hackensack, NJ 7601
Owner Country: United States of America
Own Op: Document Repository
Sub Type: NNN
Owner Name: Please Call for an Appointment
Owner Company: NYSDEC Region 3 Office
Owner Address: 21 S. Putt Corners Road
Owner Addr2: Not reported
Owner City,St,Zip: New Paltz, NY 12561
Owner Country: United States of America
HW Code: Not reported
Waste Type: Not reported
Waste Quantity: Not reported
Waste Code: Not reported
Crossref ID: C314123-05-15
Cross Ref Type Code: 23
Cross Ref Type: Agreement/Consent Order Number
Record Added Date: 11/2/2016 1:27:00 PM
Record Updated: 11/2/2016 1:27:00 PM
Updated By: JLVERRIG
Crossref ID: 02-2016-7528
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 11/2/2016 1:23:00 PM
Record Updated: 11/2/2016 1:23:00 PM
Updated By: JLVERRIG

Name: A.C. DUTTON GREENWAY NORTH TOWN
Address: 1 DUTCHESS AVENUE
City,State,Zip: POUGHKEEPSIE, NY 12601
Site Code: 505422
Control Name: Landuse Restriction
HW Code: Not reported
Control Code: 25
Control Type: INST
Dt record added: 12/01/2016
Dt rec updated: 03/25/2020
Updated By: MHSQUIRE
Site Code: 505422
Site Description: Location: The A.C. Dutton Greenway North Town Site is located in an urban area in the Town of Poughkeepsie, Dutchess County. The site is adjacent to the Hudson River. Site Features: The site is vacant. There are no buildings, foundations or paved areas on the site. Current Zoning/Use: The site is zoned for Waterfront District 2, which allows for active recreation uses and is currently not used. Past Use of the Site: The site property was used for industrial purposes from the 1830s to 1995. Prior uses included processing of whale oil, screw factory, a sash factory, a locomotive factory, a

**A C DUTTON LUMBER CORPORATION (Continued)** **S110748435**

dyewood factory, an iron works plant, and glass works plant. The A.C. Dutton Lumber Company operated a wholesale lumber company on the site from 1966 to 1995. Site Geology and Hydrogeology: The site consists of historic fill composed of solidified kiln ash, which includes sand and gravel, demolition debris, bricks and cinder block fragments, anthracite coal, ash, sand, silt and large gravel. Depth to groundwater at the site is approximately 4 to 6 feet below ground surface and is assumed to flow to the west toward the Hudson River. However, groundwater flow is likely influenced by tides.

Env Problem: Nature and Extent of Contamination: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were arsenic, chromium and copper in soil. Remedial actions have successfully achieved soil cleanup objectives for restricted-residential use. Residual contamination in the soil and groundwater is being managed under a Site Management Plan.

Health Problem: A two-foot cover of clean soil is present at the site. People will not come into contact with contaminated soils unless they dig below the surface materials. Contaminated groundwater at the site is not used for drinking or other purposes. The area is served by a public water supply that is not affected by this contamination.

Dump: False
Structure: False
Lagoon: False
Landfill: False
Pond: False
Disp Start: Not reported
Disp Term: Not reported
Lat/Long: Not reported
Dell: Not reported
Record Add: 12/11/2015 9:26:00 AM
Record Upd: 12/27/2016 11:30:00 AM
Updated By: GWHEITZM
Own Op: 6
Sub Type: P03
Owner Name: Louis Kaufman
Owner Company: Dutchess Avenue Riverwalk North, LLC
Owner Address: 241 Hudson St.
Owner Addr2: Not reported
Owner City,St,Zip: Hackensack, NJ 7601
Owner Country: United States of America
Own Op: Document Repository
Sub Type: NNN
Owner Name: Thomas Lawrence
Owner Company: Adriance Memorial Library
Owner Address: 93 Market Street
Owner Addr2: Not reported
Owner City,St,Zip: Poughkeepsie, NY 12601
Owner Country: United States of America
Own Op: 1
Sub Type: NNN
Owner Name: Louis Kaufman
Owner Company: The O'Neill Group-Dutton, LLC
Owner Address: 241 Hudson Street
Owner Addr2: Not reported
Owner City,St,Zip: Hackensack, NJ 7601
Owner Country: United States of America
Own Op: Document Repository

**A C DUTTON LUMBER CORPORATION (Continued)** **S110748435**

Sub Type: NNN
Owner Name: Please Call for an Appointment
Owner Company: NYSDEC Region 3 Office
Owner Address: 21 S. Putt Corners Road
Owner Addr2: Not reported
Owner City,St,Zip: New Paltz, NY 12561
Owner Country: United States of America
HW Code: Not reported
Waste Type: Not reported
Waste Quantity: Not reported
Waste Code: Not reported
Crossref ID: C314124-05-15
Cross Ref Type Code: 23
Cross Ref Type: Agreement/Consent Order Number
Record Added Date: 11/2/2016 1:28:00 PM
Record Updated: 11/2/2016 1:28:00 PM
Updated By: JLVERRIG
Crossref ID: 02-2016-7527
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 11/2/2016 1:23:00 PM
Record Updated: 11/2/2016 1:23:00 PM
Updated By: JLVERRIG

Name: A.C. DUTTON GREENWAY NORTH TOWN
Address: 1 DUTCHESS AVENUE
City,State,Zip: POUGHKEEPSIE, NY 12601
Site Code: 505422
Control Name: Monitoring Plan
HW Code: Not reported
Control Code: 31
Control Type: INST
Dt record added: 12/01/2016
Dt rec updated: 03/25/2020
Updated By: MHSQUIRE
Site Code: 505422
Site Description: Location: The A.C. Dutton Greenway North Town Site is located in an urban area in the Town of Poughkeepsie, Dutchess County. The site is adjacent to the Hudson River. Site Features: The site is vacant. There are no buildings, foundations or paved areas on the site. Current Zoning/Use: The site is zoned for Waterfront District 2, which allows for active recreation uses and is currently not used. Past Use of the Site: The site property was used for industrial purposes from the 1830s to 1995. Prior uses included processing of whale oil, screw factory, a sash factory, a locomotive factory, a dyewood factory, an iron works plant, and glass works plant. The A.C. Dutton Lumber Company operated a wholesale lumber company on the site from 1966 to 1995. Site Geology and Hydrogeology: The site consists of historic fill composed of solidified kiln ash, which includes sand and gravel, demolition debris, bricks and cinder block fragments, anthracite coal, ash, sand, silt and large gravel. Depth to groundwater at the site is approximately 4 to 6 feet below ground surface and is assumed to flow to the west toward the Hudson River. However, groundwater flow is likely influenced by tides.
Env Problem: Nature and Extent of Contamination: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were arsenic, chromium and copper in soil. Remedial actions have

**A C DUTTON LUMBER CORPORATION (Continued)** **S110748435**

| | |
|---|---|
| | successfully achieved soil cleanup objectives for restricted-residential use. Residual contamination in the soil and groundwater is being managed under a Site Management Plan. |
| Health Problem: | A two-foot cover of clean soil is present at the site. People will not come into contact with contaminated soils unless they dig below the surface materials. Contaminated groundwater at the site is not used for drinking or other purposes. The area is served by a public water supply that is not affected by this contamination. |
| Dump: | False |
| Structure: | False |
| Lagoon: | False |
| Landfill: | False |
| Pond: | False |
| Disp Start: | Not reported |
| Disp Term: | Not reported |
| Lat/Long: | Not reported |
| Dell: | Not reported |
| Record Add: | 12/11/2015 9:26:00 AM |
| Record Upd: | 12/27/2016 11:30:00 AM |
| Updated By: | GWHEITZM |
| Own Op: | 6 |
| Sub Type: | P03 |
| Owner Name: | Louis Kaufman |
| Owner Company: | Dutchess Avenue Riverwalk North, LLC |
| Owner Address: | 241 Hudson St. |
| Owner Addr2: | Not reported |
| Owner City,St,Zip: | Hackensack, NJ 7601 |
| Owner Country: | United States of America |
| Own Op: | Document Repository |
| Sub Type: | NNN |
| Owner Name: | Thomas Lawrence |
| Owner Company: | Adriance Memorial Library |
| Owner Address: | 93 Market Street |
| Owner Addr2: | Not reported |
| Owner City,St,Zip: | Poughkeepsie, NY 12601 |
| Owner Country: | United States of America |
| Own Op: | 1 |
| Sub Type: | NNN |
| Owner Name: | Louis Kaufman |
| Owner Company: | The O'Neill Group-Dutton, LLC |
| Owner Address: | 241 Hudson Street |
| Owner Addr2: | Not reported |
| Owner City,St,Zip: | Hackensack, NJ 7601 |
| Owner Country: | United States of America |
| Own Op: | Document Repository |
| Sub Type: | NNN |
| Owner Name: | Please Call for an Appointment |
| Owner Company: | NYSDEC Region 3 Office |
| Owner Address: | 21 S. Putt Corners Road |
| Owner Addr2: | Not reported |
| Owner City,St,Zip: | New Paltz, NY 12561 |
| Owner Country: | United States of America |
| HW Code: | Not reported |
| Waste Type: | Not reported |
| Waste Quantity: | Not reported |
| Waste Code: | Not reported |
| Crossref ID: | C314124-05-15 |

**A C DUTTON LUMBER CORPORATION (Continued)** **S110748435**

Cross Ref Type Code: 23
Cross Ref Type: Agreement/Consent Order Number
Record Added Date: 11/2/2016 1:28:00 PM
Record Updated: 11/2/2016 1:28:00 PM
Updated By: JLVERRIG
Crossref ID: 02-2016-7527
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 11/2/2016 1:23:00 PM
Record Updated: 11/2/2016 1:23:00 PM
Updated By: JLVERRIG

Name: A.C. DUTTON GREENWAY NORTH TOWN
Address: 1 DUTCHESS AVENUE
City,State,Zip: POUGHKEEPSIE, NY 12601
Site Code: 505422
Control Name: Soil Management Plan
HW Code: Not reported
Control Code: 14
Control Type: INST
Dt record added: 12/01/2016
Dt rec updated: 03/25/2020
Updated By: MHSQUIRE
Site Code: 505422
Site Description: Location: The A.C. Dutton Greenway North Town Site is located in an urban area in the Town of Poughkeepsie, Dutchess County. The site is adjacent to the Hudson River. Site Features: The site is vacant. There are no buildings, foundations or paved areas on the site. Current Zoning/Use: The site is zoned for Waterfront District 2, which allows for active recreation uses and is currently not used. Past Use of the Site: The site property was used for industrial purposes from the 1830s to 1995. Prior uses included processing of whale oil, screw factory, a sash factory, a locomotive factory, a dyewood factory, an iron works plant, and glass works plant. The A.C. Dutton Lumber Company operated a wholesale lumber company on the site from 1966 to 1995. Site Geology and Hydrogeology: The site consists of historic fill composed of solidified kiln ash, which includes sand and gravel, demolition debris, bricks and cinder block fragments, anthracite coal, ash, sand, silt and large gravel. Depth to groundwater at the site is approximately 4 to 6 feet below ground surface and is assumed to flow to the west toward the Hudson River. However, groundwater flow is likely influenced by tides.
Env Problem: Nature and Extent of Contamination: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were arsenic, chromium and copper in soil. Remedial actions have successfully achieved soil cleanup objectives for restricted-residential use. Residual contamination in the soil and groundwater is being managed under a Site Management Plan.
Health Problem: A two-foot cover of clean soil is present at the site. People will not come into contact with contaminated soils unless they dig below the surface materials. Contaminated groundwater at the site is not used for drinking or other purposes. The area is served by a public water supply that is not affected by this contamination.
Dump: False
Structure: False
Lagoon: False
Landfill: False

**A C DUTTON LUMBER CORPORATION (Continued)** **S110748435**

Pond: False
Disp Start: Not reported
Disp Term: Not reported
Lat/Long: Not reported
Dell: Not reported
Record Add: 12/11/2015 9:26:00 AM
Record Upd: 12/27/2016 11:30:00 AM
Updated By: GWHEITZM
Own Op: 6
Sub Type: P03
Owner Name: Louis Kaufman
Owner Company: Dutchess Avenue Riverwalk North, LLC
Owner Address: 241 Hudson St.
Owner Addr2: Not reported
Owner City,St,Zip: Hackensack, NJ 7601
Owner Country: United States of America
Own Op: Document Repository
Sub Type: NNN
Owner Name: Thomas Lawrence
Owner Company: Adriance Memorial Library
Owner Address: 93 Market Street
Owner Addr2: Not reported
Owner City,St,Zip: Poughkeepsie, NY 12601
Owner Country: United States of America
Own Op: 1
Sub Type: NNN
Owner Name: Louis Kaufman
Owner Company: The O'Neill Group-Dutton, LLC
Owner Address: 241 Hudson Street
Owner Addr2: Not reported
Owner City,St,Zip: Hackensack, NJ 7601
Owner Country: United States of America
Own Op: Document Repository
Sub Type: NNN
Owner Name: Please Call for an Appointment
Owner Company: NYSDEC Region 3 Office
Owner Address: 21 S. Putt Corners Road
Owner Addr2: Not reported
Owner City,St,Zip: New Paltz, NY 12561
Owner Country: United States of America
HW Code: Not reported
Waste Type: Not reported
Waste Quantity: Not reported
Waste Code: Not reported
Crossref ID: C314124-05-15
Cross Ref Type Code: 23
Cross Ref Type: Agreement/Consent Order Number
Record Added Date: 11/2/2016 1:28:00 PM
Record Updated: 11/2/2016 1:28:00 PM
Updated By: JLVERRIG
Crossref ID: 02-2016-7527
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 11/2/2016 1:23:00 PM
Record Updated: 11/2/2016 1:23:00 PM
Updated By: JLVERRIG

**A C DUTTON LUMBER CORPORATION (Continued)** **S110748435**

| | |
|---|---|
| Name: | A.C. DUTTON GREENWAY NORTH TOWN |
| Address: | 1 DUTCHESS AVENUE |
| City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| Site Code: | 505422 |
| Control Name: | Ground Water Use Restriction |
| HW Code: | Not reported |
| Control Code: | 8 |
| Control Type: | INST |
| Dt record added: | 12/01/2016 |
| Dt rec updated: | 03/25/2020 |
| Updated By: | MHSQUIRE |
| Site Code: | 505422 |
| Site Description: | Location: The A.C. Dutton Greenway North Town Site is located in an urban area in the Town of Poughkeepsie, Dutchess County. The site is adjacent to the Hudson River. Site Features: The site is vacant. There are no buildings, foundations or paved areas on the site. Current Zoning/Use: The site is zoned for Waterfront District 2, which allows for active recreation uses and is currently not used. Past Use of the Site: The site property was used for industrial purposes from the 1830s to 1995. Prior uses included processing of whale oil, screw factory, a sash factory, a locomotive factory, a dyewood factory, an iron works plant, and glass works plant. The A.C. Dutton Lumber Company operated a wholesale lumber company on the site from 1966 to 1995. Site Geology and Hydrogeology: The site consists of historic fill composed of solidified kiln ash, which includes sand and gravel, demolition debris, bricks and cinder block fragments, anthracite coal, ash, sand, silt and large gravel. Depth to groundwater at the site is approximately 4 to 6 feet below ground surface and is assumed to flow to the west toward the Hudson River. However, groundwater flow is likely influenced by tides. |
| Env Problem: | Nature and Extent of Contamination: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were arsenic, chromium and copper in soil. Remedial actions have successfully achieved soil cleanup objectives for restricted-residential use. Residual contamination in the soil and groundwater is being managed under a Site Management Plan. |
| Health Problem: | A two-foot cover of clean soil is present at the site. People will not come into contact with contaminated soils unless they dig below the surface materials. Contaminated groundwater at the site is not used for drinking or other purposes. The area is served by a public water supply that is not affected by this contamination. |
| Dump: | False |
| Structure: | False |
| Lagoon: | False |
| Landfill: | False |
| Pond: | False |
| Disp Start: | Not reported |
| Disp Term: | Not reported |
| Lat/Long: | Not reported |
| Dell: | Not reported |
| Record Add: | 12/11/2015 9:26:00 AM |
| Record Upd: | 12/27/2016 11:30:00 AM |
| Updated By: | GWHEITZM |
| Own Op: | 6 |
| Sub Type: | P03 |
| Owner Name: | Louis Kaufman |
| Owner Company: | Dutchess Avenue Riverwalk North, LLC |

**A C DUTTON LUMBER CORPORATION (Continued)** **S110748435**

Owner Address: 241 Hudson St.
Owner Addr2: Not reported
Owner City,St,Zip: Hackensack, NJ 7601
Owner Country: United States of America
Own Op: Document Repository
Sub Type: NNN
Owner Name: Thomas Lawrence
Owner Company: Adriance Memorial Library
Owner Address: 93 Market Street
Owner Addr2: Not reported
Owner City,St,Zip: Poughkeepsie, NY 12601
Owner Country: United States of America
Own Op: 1
Sub Type: NNN
Owner Name: Louis Kaufman
Owner Company: The O'Neill Group-Dutton, LLC
Owner Address: 241 Hudson Street
Owner Addr2: Not reported
Owner City,St,Zip: Hackensack, NJ 7601
Owner Country: United States of America
Own Op: Document Repository
Sub Type: NNN
Owner Name: Please Call for an Appointment
Owner Company: NYSDEC Region 3 Office
Owner Address: 21 S. Putt Corners Road
Owner Addr2: Not reported
Owner City,St,Zip: New Paltz, NY 12561
Owner Country: United States of America
HW Code: Not reported
Waste Type: Not reported
Waste Quantity: Not reported
Waste Code: Not reported
Crossref ID: C314124-05-15
Cross Ref Type Code: 23
Cross Ref Type: Agreement/Consent Order Number
Record Added Date: 11/2/2016 1:28:00 PM
Record Updated: 11/2/2016 1:28:00 PM
Updated By: JLVERRIG
Crossref ID: 02-2016-7527
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 11/2/2016 1:23:00 PM
Record Updated: 11/2/2016 1:23:00 PM
Updated By: JLVERRIG

Name: A.C. DUTTON GREENWAY NORTH TOWN
Address: 1 DUTCHESS AVENUE
City,State,Zip: POUGHKEEPSIE, NY 12601
Site Code: 505422
Control Name: Site Management Plan
HW Code: Not reported
Control Code: 32
Control Type: INST
Dt record added: 12/01/2016
Dt rec updated: 03/25/2020
Updated By: MHSQUIRE
Site Code: 505422

**A C DUTTON LUMBER CORPORATION (Continued)** **S110748435**

Site Description: Location: The A.C. Dutton Greenway North Town Site is located in an urban area in the Town of Poughkeepsie, Dutchess County. The site is adjacent to the Hudson River. Site Features: The site is vacant. There are no buildings, foundations or paved areas on the site. Current Zoning/Use: The site is zoned for Waterfront District 2, which allows for active recreation uses and is currently not used. Past Use of the Site: The site property was used for industrial purposes from the 1830s to 1995. Prior uses included processing of whale oil, screw factory, a sash factory, a locomotive factory, a dyewood factory, an iron works plant, and glass works plant. The A.C. Dutton Lumber Company operated a wholesale lumber company on the site from 1966 to 1995. Site Geology and Hydrogeology: The site consists of historic fill composed of solidified kiln ash, which includes sand and gravel, demolition debris, bricks and cinder block fragments, anthracite coal, ash, sand, silt and large gravel. Depth to groundwater at the site is approximately 4 to 6 feet below ground surface and is assumed to flow to the west toward the Hudson River. However, groundwater flow is likely influenced by tides.
Env Problem: Nature and Extent of Contamination: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were arsenic, chromium and copper in soil. Remedial actions have successfully achieved soil cleanup objectives for restricted-residential use. Residual contamination in the soil and groundwater is being managed under a Site Management Plan.
Health Problem: A two-foot cover of clean soil is present at the site. People will not come into contact with contaminated soils unless they dig below the surface materials. Contaminated groundwater at the site is not used for drinking or other purposes. The area is served by a public water supply that is not affected by this contamination.
Dump: False
Structure: False
Lagoon: False
Landfill: False
Pond: False
Disp Start: Not reported
Disp Term: Not reported
Lat/Long: Not reported
Dell: Not reported
Record Add: 12/11/2015 9:26:00 AM
Record Upd: 12/27/2016 11:30:00 AM
Updated By: GWHEITZM
Own Op: 6
Sub Type: P03
Owner Name: Louis Kaufman
Owner Company: Dutchess Avenue Riverwalk North, LLC
Owner Address: 241 Hudson St.
Owner Addr2: Not reported
Owner City,St,Zip: Hackensack, NJ 7601
Owner Country: United States of America
Own Op: Document Repository
Sub Type: NNN
Owner Name: Thomas Lawrence
Owner Company: Adriance Memorial Library
Owner Address: 93 Market Street
Owner Addr2: Not reported
Owner City,St,Zip: Poughkeepsie, NY 12601
Owner Country: United States of America

**A C DUTTON LUMBER CORPORATION (Continued)** **S110748435**

Own Op: 1
Sub Type: NNN
Owner Name: Louis Kaufman
Owner Company: The O'Neill Group-Dutton, LLC
Owner Address: 241 Hudson Street
Owner Addr2: Not reported
Owner City,St,Zip: Hackensack, NJ 7601
Owner Country: United States of America
Own Op: Document Repository
Sub Type: NNN
Owner Name: Please Call for an Appointment
Owner Company: NYSDEC Region 3 Office
Owner Address: 21 S. Putt Corners Road
Owner Addr2: Not reported
Owner City,St,Zip: New Paltz, NY 12561
Owner Country: United States of America
HW Code: Not reported
Waste Type: Not reported
Waste Quantity: Not reported
Waste Code: Not reported
Crossref ID: C314124-05-15
Cross Ref Type Code: 23
Cross Ref Type: Agreement/Consent Order Number
Record Added Date: 11/2/2016 1:28:00 PM
Record Updated: 11/2/2016 1:28:00 PM
Updated By: JLVERRIG
Crossref ID: 02-2016-7527
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 11/2/2016 1:23:00 PM
Record Updated: 11/2/2016 1:23:00 PM
Updated By: JLVERRIG

Name: A.C. DUTTON GREENWAY NORTH TOWN
Address: 1 DUTCHESS AVENUE
City,State,Zip: POUGHKEEPSIE, NY 12601
Site Code: 505422
Control Name: Environmental Easement
HW Code: Not reported
Control Code: Not reported
Control Type: INST
Dt record added: 12/01/2016
Dt rec updated: 03/25/2020
Updated By: MHSQUIRE
Site Code: 505422
Site Description: Location: The A.C. Dutton Greenway North Town Site is located in an urban area in the Town of Poughkeepsie, Dutchess County. The site is adjacent to the Hudson River. Site Features: The site is vacant. There are no buildings, foundations or paved areas on the site. Current Zoning/Use: The site is zoned for Waterfront District 2, which allows for active recreation uses and is currently not used. Past Use of the Site: The site property was used for industrial purposes from the 1830s to 1995. Prior uses included processing of whale oil, screw factory, a sash factory, a locomotive factory, a dyewood factory, an iron works plant, and glass works plant. The A.C. Dutton Lumber Company operated a wholesale lumber company on the site from 1966 to 1995. Site Geology and Hydrogeology: The site consists

**A C DUTTON LUMBER CORPORATION (Continued)** **S110748435**

of historic fill composed of solidified kiln ash, which includes sand and gravel, demolition debris, bricks and cinder block fragments, anthracite coal, ash, sand, silt and large gravel. Depth to groundwater at the site is approximately 4 to 6 feet below ground surface and is assumed to flow to the west toward the Hudson River. However, groundwater flow is likely influenced by tides.

Env Problem: Nature and Extent of Contamination: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were arsenic, chromium and copper in soil. Remedial actions have successfully achieved soil cleanup objectives for restricted-residential use. Residual contamination in the soil and groundwater is being managed under a Site Management Plan.

Health Problem: A two-foot cover of clean soil is present at the site. People will not come into contact with contaminated soils unless they dig below the surface materials. Contaminated groundwater at the site is not used for drinking or other purposes. The area is served by a public water supply that is not affected by this contamination.

Dump: False
Structure: False
Lagoon: False
Landfill: False
Pond: False
Disp Start: Not reported
Disp Term: Not reported
Lat/Long: Not reported
Dell: Not reported
Record Add: 12/11/2015 9:26:00 AM
Record Upd: 12/27/2016 11:30:00 AM
Updated By: GWHEITZM
Own Op: 6
Sub Type: P03
Owner Name: Louis Kaufman
Owner Company: Dutchess Avenue Riverwalk North, LLC
Owner Address: 241 Hudson St.
Owner Addr2: Not reported
Owner City,St,Zip: Hackensack, NJ 7601
Owner Country: United States of America
Own Op: Document Repository
Sub Type: NNN
Owner Name: Thomas Lawrence
Owner Company: Adriance Memorial Library
Owner Address: 93 Market Street
Owner Addr2: Not reported
Owner City,St,Zip: Poughkeepsie, NY 12601
Owner Country: United States of America
Own Op: 1
Sub Type: NNN
Owner Name: Louis Kaufman
Owner Company: The O'Neill Group-Dutton, LLC
Owner Address: 241 Hudson Street
Owner Addr2: Not reported
Owner City,St,Zip: Hackensack, NJ 7601
Owner Country: United States of America
Own Op: Document Repository
Sub Type: NNN
Owner Name: Please Call for an Appointment
Owner Company: NYSDEC Region 3 Office

**A C DUTTON LUMBER CORPORATION (Continued)** **S110748435**

Owner Address: 21 S. Putt Corners Road
Owner Addr2: Not reported
Owner City,St,Zip: New Paltz, NY 12561
Owner Country: United States of America
HW Code: Not reported
Waste Type: Not reported
Waste Quantity: Not reported
Waste Code: Not reported
Crossref ID: C314124-05-15
Cross Ref Type Code: 23
Cross Ref Type: Agreement/Consent Order Number
Record Added Date: 11/2/2016 1:28:00 PM
Record Updated: 11/2/2016 1:28:00 PM
Updated By: JLVERRIG
Crossref ID: 02-2016-7527
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 11/2/2016 1:23:00 PM
Record Updated: 11/2/2016 1:23:00 PM
Updated By: JLVERRIG

Name: A.C. DUTTON GREENWAY NORTH TOWN
Address: 1 DUTCHESS AVENUE
City,State,Zip: POUGHKEEPSIE, NY 12601
Site Code: 505422
Control Name: IC/EC Plan
HW Code: Not reported
Control Code: 34
Control Type: INST
Dt record added: 12/01/2016
Dt rec updated: 03/25/2020
Updated By: MHSQUIRE
Site Code: 505422
Site Description: Location: The A.C. Dutton Greenway North Town Site is located in an urban area in the Town of Poughkeepsie, Dutchess County. The site is adjacent to the Hudson River. Site Features: The site is vacant. There are no buildings, foundations or paved areas on the site. Current Zoning/Use: The site is zoned for Waterfront District 2, which allows for active recreation uses and is currently not used. Past Use of the Site: The site property was used for industrial purposes from the 1830s to 1995. Prior uses included processing of whale oil, screw factory, a sash factory, a locomotive factory, a dyewood factory, an iron works plant, and glass works plant. The A.C. Dutton Lumber Company operated a wholesale lumber company on the site from 1966 to 1995. Site Geology and Hydrogeology: The site consists of historic fill composed of solidified kiln ash, which includes sand and gravel, demolition debris, bricks and cinder block fragments, anthracite coal, ash, sand, silt and large gravel. Depth to groundwater at the site is approximately 4 to 6 feet below ground surface and is assumed to flow to the west toward the Hudson River. However, groundwater flow is likely influenced by tides.
Env Problem: Nature and Extent of Contamination: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were arsenic, chromium and copper in soil. Remedial actions have successfully achieved soil cleanup objectives for restricted-residential use. Residual contamination in the soil and groundwater is being managed under a Site Management Plan.

**A C DUTTON LUMBER CORPORATION (Continued)** **S110748435**

Health Problem: A two-foot cover of clean soil is present at the site. People will not come into contact with contaminated soils unless they dig below the surface materials. Contaminated groundwater at the site is not used for drinking or other purposes. The area is served by a public water supply that is not affected by this contamination.
Dump: False
Structure: False
Lagoon: False
Landfill: False
Pond: False
Disp Start: Not reported
Disp Term: Not reported
Lat/Long: Not reported
Dell: Not reported
Record Add: 12/11/2015 9:26:00 AM
Record Upd: 12/27/2016 11:30:00 AM
Updated By: GWHEITZM
Own Op: 6
Sub Type: P03
Owner Name: Louis Kaufman
Owner Company: Dutchess Avenue Riverwalk North, LLC
Owner Address: 241 Hudson St.
Owner Addr2: Not reported
Owner City,St,Zip: Hackensack, NJ 7601
Owner Country: United States of America
Own Op: Document Repository
Sub Type: NNN
Owner Name: Thomas Lawrence
Owner Company: Adriance Memorial Library
Owner Address: 93 Market Street
Owner Addr2: Not reported
Owner City,St,Zip: Poughkeepsie, NY 12601
Owner Country: United States of America
Own Op: 1
Sub Type: NNN
Owner Name: Louis Kaufman
Owner Company: The O'Neill Group-Dutton, LLC
Owner Address: 241 Hudson Street
Owner Addr2: Not reported
Owner City,St,Zip: Hackensack, NJ 7601
Owner Country: United States of America
Own Op: Document Repository
Sub Type: NNN
Owner Name: Please Call for an Appointment
Owner Company: NYSDEC Region 3 Office
Owner Address: 21 S. Putt Corners Road
Owner Addr2: Not reported
Owner City,St,Zip: New Paltz, NY 12561
Owner Country: United States of America
HW Code: Not reported
Waste Type: Not reported
Waste Quantity: Not reported
Waste Code: Not reported
Crossref ID: C314124-05-15
Cross Ref Type Code: 23
Cross Ref Type: Agreement/Consent Order Number
Record Added Date: 11/2/2016 1:28:00 PM

**A C DUTTON LUMBER CORPORATION (Continued)** **S110748435**

Record Updated: 11/2/2016 1:28:00 PM
Updated By: JLVERRIG
Crossref ID: 02-2016-7527
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 11/2/2016 1:23:00 PM
Record Updated: 11/2/2016 1:23:00 PM
Updated By: JLVERRIG

Name: A.C. DUTTON GREENWAY CITY
Address: 1 DUTCHESS AVENUE
City,State,Zip: POUGHKEEPSIE, NY 12601
Site Code: 505421
Control Name: Site Management Plan
HW Code: Not reported
Control Code: 32
Control Type: INST
Dt record added: 11/14/2016
Dt rec updated: 03/25/2020
Updated By: MHSQUIRE
Site Code: 505421
Site Description: Location: The A.C. Dutton Greenway City Site is located in an urban area at 1 Dutchess Avenue, in the City of Poughkeepsie, Dutchess County. The site is adjacent to the Hudson River. Site Features: The site is vacant. There are no buildings, foundations or paved areas on the site. Current Zoning/Use: The site is located in a Waterfront District, which allows for restricted-residential use and is currently vacant. Past Use of the Site: The site was used for industrial purposes from the 1830s to 1995. Prior uses included processing of whale oil, a screw factory, a sash factory, a locomotive factory, a dyewood factory, an iron works plant, and glass works plant. The A.C. Dutton Lumber Company operated a wholesale lumber company on the site from 1966 to 1995. Site Geology and Hydrogeology: The site consists of historic fill composed of solidified kiln ash, which includes sand and gravel, demolition debris, bricks and cinder block fragments. Native material, consisting of light brown silty sand, was encountered at approximately 5 feet below the surface. Depth to groundwater at the site is approximately 4 to 6 feet below ground surface and is assumed to flow to the west toward the Hudson River. However, groundwater flow is likely influenced by tides.
Env Problem: Nature and Extent of Contamination: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were arsenic, chromium and copper in soil. Remedial actions have successfully achieved soil cleanup objectives for restricted-residential use. Residual contamination in the soil and groundwater is being managed under a Site Management Plan.
Health Problem: A two-foot cover of clean soil is present at the site. People will not come into contact with contaminated soils unless they dig below the surface materials. Contaminated groundwater at the site is not used for drinking or other purposes. The area is served by a public water supply that is not affected by this contamination.
Dump: False
Structure: False
Lagoon: False
Landfill: False
Pond: False

**A C DUTTON LUMBER CORPORATION (Continued)** **S110748435**

Disp Start: Not reported
Disp Term: Not reported
Lat/Long: Not reported
Dell: Not reported
Record Add: 10/29/2015 3:01:00 PM
Record Upd: 12/2/2016 11:11:00 AM
Updated By: JLVERRIG
Own Op: 1
Sub Type: NNN
Owner Name: Lou Kaufman
Owner Company: The O'Neill Group-Dutton, LLC
Owner Address: 241 Hudson Street
Owner Addr2: Not reported
Owner City,St,Zip: Hackensack, NJ 7601
Owner Country: United States of America
Own Op: Document Repository
Sub Type: NNN
Owner Name: Thomas Lawrence
Owner Company: Adriance Memorial Library
Owner Address: 93 Market Street
Owner Addr2: Not reported
Owner City,St,Zip: Poughkeepsie, NY 12601
Owner Country: United States of America
Own Op: 6
Sub Type: P03
Owner Name: Louis Kaufman
Owner Company: Dutchess Avenue Riverwalk, LLC
Owner Address: 241 Hudson St.
Owner Addr2: Not reported
Owner City,St,Zip: Hackensack, NJ 7601
Owner Country: United States of America
Own Op: Document Repository
Sub Type: NNN
Owner Name: Please Call for an Appointment
Owner Company: NYSDEC Region 3 Office
Owner Address: 21 S. Putt Corners Road
Owner Addr2: Not reported
Owner City,St,Zip: New Paltz, NY 12561
Owner Country: United States of America
HW Code: Not reported
Waste Type: Not reported
Waste Quantity: Not reported
Waste Code: Not reported
Crossref ID: C314123-05-15
Cross Ref Type Code: 23
Cross Ref Type: Agreement/Consent Order Number
Record Added Date: 11/2/2016 1:27:00 PM
Record Updated: 11/2/2016 1:27:00 PM
Updated By: JLVERRIG
Crossref ID: 02-2016-7528
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 11/2/2016 1:23:00 PM
Record Updated: 11/2/2016 1:23:00 PM
Updated By: JLVERRIG

Name: A.C. DUTTON GREENWAY CITY

**A C DUTTON LUMBER CORPORATION (Continued)** **S110748435**

| | |
|---|---|
| Address: | 1 DUTCHESS AVENUE |
| City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| Site Code: | 505421 |
| Control Name: | Ground Water Use Restriction |
| HW Code: | Not reported |
| Control Code: | 8 |
| Control Type: | INST |
| Dt record added: | 11/14/2016 |
| Dt rec updated: | 03/25/2020 |
| Updated By: | MHSQUIRE |
| Site Code: | 505421 |
| Site Description: | Location: The A.C. Dutton Greenway City Site is located in an urban area at 1 Dutchess Avenue, in the City of Poughkeepsie, Dutchess County. The site is adjacent to the Hudson River. Site Features: The site is vacant. There are no buildings, foundations or paved areas on the site. Current Zoning/Use: The site is located in a Waterfront District, which allows for restricted-residential use and is currently vacant. Past Use of the Site: The site was used for industrial purposes from the 1830s to 1995. Prior uses included processing of whale oil, a screw factory, a sash factory, a locomotive factory, a dyewood factory, an iron works plant, and glass works plant. The A.C. Dutton Lumber Company operated a wholesale lumber company on the site from 1966 to 1995. Site Geology and Hydrogeology: The site consists of historic fill composed of solidified kiln ash, which includes sand and gravel, demolition debris, bricks and cinder block fragments. Native material, consisting of light brown silty sand, was encountered at approximately 5 feet below the surface. Depth to groundwater at the site is approximately 4 to 6 feet below ground surface and is assumed to flow to the west toward the Hudson River. However, groundwater flow is likely influenced by tides. |
| Env Problem: | Nature and Extent of Contamination: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were arsenic, chromium and copper in soil. Remedial actions have successfully achieved soil cleanup objectives for restricted-residential use. Residual contamination in the soil and groundwater is being managed under a Site Management Plan. |
| Health Problem: | A two-foot cover of clean soil is present at the site. People will not come into contact with contaminated soils unless they dig below the surface materials. Contaminated groundwater at the site is not used for drinking or other purposes. The area is served by a public water supply that is not affected by this contamination. |
| Dump: | False |
| Structure: | False |
| Lagoon: | False |
| Landfill: | False |
| Pond: | False |
| Disp Start: | Not reported |
| Disp Term: | Not reported |
| Lat/Long: | Not reported |
| Dell: | Not reported |
| Record Add: | 10/29/2015 3:01:00 PM |
| Record Upd: | 12/2/2016 11:11:00 AM |
| Updated By: | JLVERRIG |
| Own Op: | 1 |
| Sub Type: | NNN |
| Owner Name: | Lou Kaufman |

**A C DUTTON LUMBER CORPORATION (Continued)** **S110748435**

Owner Company: The O'Neill Group-Dutton, LLC
Owner Address: 241 Hudson Street
Owner Addr2: Not reported
Owner City,St,Zip: Hackensack, NJ 7601
Owner Country: United States of America
Own Op: Document Repository
Sub Type: NNN
Owner Name: Thomas Lawrence
Owner Company: Adriance Memorial Library
Owner Address: 93 Market Street
Owner Addr2: Not reported
Owner City,St,Zip: Poughkeepsie, NY 12601
Owner Country: United States of America
Own Op: 6
Sub Type: P03
Owner Name: Louis Kaufman
Owner Company: Dutchess Avenue Riverwalk, LLC
Owner Address: 241 Hudson St.
Owner Addr2: Not reported
Owner City,St,Zip: Hackensack, NJ 7601
Owner Country: United States of America
Own Op: Document Repository
Sub Type: NNN
Owner Name: Please Call for an Appointment
Owner Company: NYSDEC Region 3 Office
Owner Address: 21 S. Putt Corners Road
Owner Addr2: Not reported
Owner City,St,Zip: New Paltz, NY 12561
Owner Country: United States of America
HW Code: Not reported
Waste Type: Not reported
Waste Quantity: Not reported
Waste Code: Not reported
Crossref ID: C314123-05-15
Cross Ref Type Code: 23
Cross Ref Type: Agreement/Consent Order Number
Record Added Date: 11/2/2016 1:27:00 PM
Record Updated: 11/2/2016 1:27:00 PM
Updated By: JLVERRIG
Crossref ID: 02-2016-7528
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 11/2/2016 1:23:00 PM
Record Updated: 11/2/2016 1:23:00 PM
Updated By: JLVERRIG

Name: A.C. DUTTON GREENWAY CITY
Address: 1 DUTCHESS AVENUE
City,State,Zip: POUGHKEEPSIE, NY 12601
Site Code: 505421
Control Name: Soil Management Plan
HW Code: Not reported
Control Code: 14
Control Type: INST
Dt record added: 11/14/2016
Dt rec updated: 03/25/2020
Updated By: MHSQUIRE

**A C DUTTON LUMBER CORPORATION (Continued)** **S110748435**

| | |
|---|---|
| Site Code: | 505421 |
| Site Description: | Location: The A.C. Dutton Greenway City Site is located in an urban area at 1 Dutchess Avenue, in the City of Poughkeepsie, Dutchess County. The site is adjacent to the Hudson River. Site Features: The site is vacant. There are no buildings, foundations or paved areas on the site. Current Zoning/Use: The site is located in a Waterfront District, which allows for restricted-residential use and is currently vacant. Past Use of the Site: The site was used for industrial purposes from the 1830s to 1995. Prior uses included processing of whale oil, a screw factory, a sash factory, a locomotive factory, a dyewood factory, an iron works plant, and glass works plant. The A.C. Dutton Lumber Company operated a wholesale lumber company on the site from 1966 to 1995. Site Geology and Hydrogeology: The site consists of historic fill composed of solidified kiln ash, which includes sand and gravel, demolition debris, bricks and cinder block fragments. Native material, consisting of light brown silty sand, was encountered at approximately 5 feet below the surface. Depth to groundwater at the site is approximately 4 to 6 feet below ground surface and is assumed to flow to the west toward the Hudson River. However, groundwater flow is likely influenced by tides. |
| Env Problem: | Nature and Extent of Contamination: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were arsenic, chromium and copper in soil. Remedial actions have successfully achieved soil cleanup objectives for restricted-residential use. Residual contamination in the soil and groundwater is being managed under a Site Management Plan. |
| Health Problem: | A two-foot cover of clean soil is present at the site. People will not come into contact with contaminated soils unless they dig below the surface materials. Contaminated groundwater at the site is not used for drinking or other purposes. The area is served by a public water supply that is not affected by this contamination. |
| Dump: | False |
| Structure: | False |
| Lagoon: | False |
| Landfill: | False |
| Pond: | False |
| Disp Start: | Not reported |
| Disp Term: | Not reported |
| Lat/Long: | Not reported |
| Dell: | Not reported |
| Record Add: | 10/29/2015 3:01:00 PM |
| Record Upd: | 12/2/2016 11:11:00 AM |
| Updated By: | JLVERRIG |
| Own Op: | 1 |
| Sub Type: | NNN |
| Owner Name: | Lou Kaufman |
| Owner Company: | The O'Neill Group-Dutton, LLC |
| Owner Address: | 241 Hudson Street |
| Owner Addr2: | Not reported |
| Owner City,St,Zip: | Hackensack, NJ 7601 |
| Owner Country: | United States of America |
| Own Op: | Document Repository |
| Sub Type: | NNN |
| Owner Name: | Thomas Lawrence |
| Owner Company: | Adriance Memorial Library |
| Owner Address: | 93 Market Street |

**A C DUTTON LUMBER CORPORATION (Continued)** **S110748435**

Owner Addr2: Not reported
Owner City,St,Zip: Poughkeepsie, NY 12601
Owner Country: United States of America
Own Op: 6
Sub Type: P03
Owner Name: Louis Kaufman
Owner Company: Dutchess Avenue Riverwalk, LLC
Owner Address: 241 Hudson St.
Owner Addr2: Not reported
Owner City,St,Zip: Hackensack, NJ 7601
Owner Country: United States of America
Own Op: Document Repository
Sub Type: NNN
Owner Name: Please Call for an Appointment
Owner Company: NYSDEC Region 3 Office
Owner Address: 21 S. Putt Corners Road
Owner Addr2: Not reported
Owner City,St,Zip: New Paltz, NY 12561
Owner Country: United States of America
HW Code: Not reported
Waste Type: Not reported
Waste Quantity: Not reported
Waste Code: Not reported
Crossref ID: C314123-05-15
Cross Ref Type Code: 23
Cross Ref Type: Agreement/Consent Order Number
Record Added Date: 11/2/2016 1:27:00 PM
Record Updated: 11/2/2016 1:27:00 PM
Updated By: JLVERRIG
Crossref ID: 02-2016-7528
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 11/2/2016 1:23:00 PM
Record Updated: 11/2/2016 1:23:00 PM
Updated By: JLVERRIG

Name: A.C. DUTTON GREENWAY CITY
Address: 1 DUTCHESS AVENUE
City,State,Zip: POUGHKEEPSIE, NY 12601
Site Code: 505421
Control Name: IC/EC Plan
HW Code: Not reported
Control Code: 34
Control Type: INST
Dt record added: 11/14/2016
Dt rec updated: 03/25/2020
Updated By: MHSQUIRE
Site Code: 505421
Site Description: Location: The A.C. Dutton Greenway City Site is located in an urban area at 1 Dutchess Avenue, in the City of Poughkeepsie, Dutchess County. The site is adjacent to the Hudson River. Site Features: The site is vacant. There are no buildings, foundations or paved areas on the site. Current Zoning/Use: The site is located in a Waterfront District, which allows for restricted-residential use and is currently vacant. Past Use of the Site: The site was used for industrial purposes from the 1830s to 1995. Prior uses included processing of whale oil, a screw factory, a sash factory, a

**A C DUTTON LUMBER CORPORATION (Continued)** **S110748435**

locomotive factory, a dyewood factory, an iron works plant, and glass works plant. The A.C. Dutton Lumber Company operated a wholesale lumber company on the site from 1966 to 1995. Site Geology and Hydrogeology: The site consists of historic fill composed of solidified kiln ash, which includes sand and gravel, demolition debris, bricks and cinder block fragments. Native material, consisting of light brown silty sand, was encountered at approximately 5 feet below the surface. Depth to groundwater at the site is approximately 4 to 6 feet below ground surface and is assumed to flow to the west toward the Hudson River. However, groundwater flow is likely influenced by tides.

Env Problem: Nature and Extent of Contamination: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were arsenic, chromium and copper in soil. Remedial actions have successfully achieved soil cleanup objectives for restricted-residential use. Residual contamination in the soil and groundwater is being managed under a Site Management Plan.

Health Problem: A two-foot cover of clean soil is present at the site. People will not come into contact with contaminated soils unless they dig below the surface materials. Contaminated groundwater at the site is not used for drinking or other purposes. The area is served by a public water supply that is not affected by this contamination.

Dump: False
Structure: False
Lagoon: False
Landfill: False
Pond: False
Disp Start: Not reported
Disp Term: Not reported
Lat/Long: Not reported
Dell: Not reported
Record Add: 10/29/2015 3:01:00 PM
Record Upd: 12/2/2016 11:11:00 AM
Updated By: JLVERRIG
Own Op: 1
Sub Type: NNN
Owner Name: Lou Kaufman
Owner Company: The O'Neill Group-Dutton, LLC
Owner Address: 241 Hudson Street
Owner Addr2: Not reported
Owner City,St,Zip: Hackensack, NJ 7601
Owner Country: United States of America
Own Op: Document Repository
Sub Type: NNN
Owner Name: Thomas Lawrence
Owner Company: Adriance Memorial Library
Owner Address: 93 Market Street
Owner Addr2: Not reported
Owner City,St,Zip: Poughkeepsie, NY 12601
Owner Country: United States of America
Own Op: 6
Sub Type: P03
Owner Name: Louis Kaufman
Owner Company: Dutchess Avenue Riverwalk, LLC
Owner Address: 241 Hudson St.
Owner Addr2: Not reported
Owner City,St,Zip: Hackensack, NJ 7601

**A C DUTTON LUMBER CORPORATION (Continued)** **S110748435**

Owner Country: United States of America
Own Op: Document Repository
Sub Type: NNN
Owner Name: Please Call for an Appointment
Owner Company: NYSDEC Region 3 Office
Owner Address: 21 S. Putt Corners Road
Owner Addr2: Not reported
Owner City,St,Zip: New Paltz, NY 12561
Owner Country: United States of America
HW Code: Not reported
Waste Type: Not reported
Waste Quantity: Not reported
Waste Code: Not reported
Crossref ID: C314123-05-15
Cross Ref Type Code: 23
Cross Ref Type: Agreement/Consent Order Number
Record Added Date: 11/2/2016 1:27:00 PM
Record Updated: 11/2/2016 1:27:00 PM
Updated By: JLVERRIG
Crossref ID: 02-2016-7528
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 11/2/2016 1:23:00 PM
Record Updated: 11/2/2016 1:23:00 PM
Updated By: JLVERRIG

Name: A.C. DUTTON GREENWAY CITY
Address: 1 DUTCHESS AVENUE
City,State,Zip: POUGHKEEPSIE, NY 12601
Site Code: 505421
Control Name: Environmental Easement
HW Code: Not reported
Control Code: Not reported
Control Type: INST
Dt record added: 11/14/2016
Dt rec updated: 03/25/2020
Updated By: MHSQUIRE
Site Code: 505421
Site Description: Location: The A.C. Dutton Greenway City Site is located in an urban area at 1 Dutchess Avenue, in the City of Poughkeepsie, Dutchess County. The site is adjacent to the Hudson River. Site Features: The site is vacant. There are no buildings, foundations or paved areas on the site. Current Zoning/Use: The site is located in a Waterfront District, which allows for restricted-residential use and is currently vacant. Past Use of the Site: The site was used for industrial purposes from the 1830s to 1995. Prior uses included processing of whale oil, a screw factory, a sash factory, a locomotive factory, a dyewood factory, an iron works plant, and glass works plant. The A.C. Dutton Lumber Company operated a wholesale lumber company on the site from 1966 to 1995. Site Geology and Hydrogeology: The site consists of historic fill composed of solidified kiln ash, which includes sand and gravel, demolition debris, bricks and cinder block fragments. Native material, consisting of light brown silty sand, was encountered at approximately 5 feet below the surface. Depth to groundwater at the site is approximately 4 to 6 feet below ground surface and is assumed to flow to the west toward the Hudson River. However, groundwater

**A C DUTTON LUMBER CORPORATION (Continued)** **S110748435**

| | |
|---|---|
| | flow is likely influenced by tides. |
| Env Problem: | Nature and Extent of Contamination: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were arsenic, chromium and copper in soil. Remedial actions have successfully achieved soil cleanup objectives for restricted-residential use. Residual contamination in the soil and groundwater is being managed under a Site Management Plan. |
| Health Problem: | A two-foot cover of clean soil is present at the site. People will not come into contact with contaminated soils unless they dig below the surface materials. Contaminated groundwater at the site is not used for drinking or other purposes. The area is served by a public water supply that is not affected by this contamination. |
| Dump: | False |
| Structure: | False |
| Lagoon: | False |
| Landfill: | False |
| Pond: | False |
| Disp Start: | Not reported |
| Disp Term: | Not reported |
| Lat/Long: | Not reported |
| Dell: | Not reported |
| Record Add: | 10/29/2015 3:01:00 PM |
| Record Upd: | 12/2/2016 11:11:00 AM |
| Updated By: | JLVERRIG |
| Own Op: | 1 |
| Sub Type: | NNN |
| Owner Name: | Lou Kaufman |
| Owner Company: | The O'Neill Group-Dutton, LLC |
| Owner Address: | 241 Hudson Street |
| Owner Addr2: | Not reported |
| Owner City,St,Zip: | Hackensack, NJ 7601 |
| Owner Country: | United States of America |
| Own Op: | Document Repository |
| Sub Type: | NNN |
| Owner Name: | Thomas Lawrence |
| Owner Company: | Adriance Memorial Library |
| Owner Address: | 93 Market Street |
| Owner Addr2: | Not reported |
| Owner City,St,Zip: | Poughkeepsie, NY 12601 |
| Owner Country: | United States of America |
| Own Op: | 6 |
| Sub Type: | P03 |
| Owner Name: | Louis Kaufman |
| Owner Company: | Dutchess Avenue Riverwalk, LLC |
| Owner Address: | 241 Hudson St. |
| Owner Addr2: | Not reported |
| Owner City,St,Zip: | Hackensack, NJ 7601 |
| Owner Country: | United States of America |
| Own Op: | Document Repository |
| Sub Type: | NNN |
| Owner Name: | Please Call for an Appointment |
| Owner Company: | NYSDEC Region 3 Office |
| Owner Address: | 21 S. Putt Corners Road |
| Owner Addr2: | Not reported |
| Owner City,St,Zip: | New Paltz, NY 12561 |
| Owner Country: | United States of America |
| HW Code: | Not reported |

**A C DUTTON LUMBER CORPORATION (Continued)** **S110748435**

Waste Type: Not reported
Waste Quantity: Not reported
Waste Code: Not reported
Crossref ID: C314123-05-15
Cross Ref Type Code: 23
Cross Ref Type: Agreement/Consent Order Number
Record Added Date: 11/2/2016 1:27:00 PM
Record Updated: 11/2/2016 1:27:00 PM
Updated By: JLVERRIG
Crossref ID: 02-2016-7528
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 11/2/2016 1:23:00 PM
Record Updated: 11/2/2016 1:23:00 PM
Updated By: JLVERRIG

BROWNFIELDS:

| | |
|---|---|
| Name: | FORMER A.C. DUTTON LUMBER YARD |
| Address: | 1 DUTCHESS AVENUE |
| City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| Program: | BCP |
| Site Code: | 59160 |
| Acres: | 11.84 |
| HW Code: | C314081 |
| SWIS: | 1413 |
| Town: | Poughkeepsie (c) |
| Record Added Date: | 09/22/2004 |
| Record Updated Date: | 10/31/2019 |
| Update By: | AMOMOROG |
| Site Description: | Location: The Former A.C. Dutton Lumber Yard site is located in an urban area at 1 Dutchess Avenue in both the City of Poughkeepsie and the Town of Poughkeepsie, Dutchess County. It is comprised of approximately 11.8 acres of land located on the east bank of the Hudson River. The site does not include a strip of land along the shoreline, which was part of the former lumber yard. This strip was excluded from the Brownfield Cleanup Program site by an amendment to the Brownfield Cleanup Agreement dated February 4, 2011. Site Features: Several abandoned buildings associated with the former industrial operations were demolished in 2010 and 2012. The site is crossed from east to west by Kidney Creek, which is a culverted stream located approximately along the City/Town border. Current Zoning and Land Use: The site is currently inactive, and is zoned waterfront, which allows for restricted-residential use. The surrounding parcels are used for a combination of industrial, commercial, recreational and residential purposes. The proposed use of the site is for restricted-residential use (apartments). Past Use of the Site: From 1966 until approximately 1999, the site was used to pressure treat lumber using chromated copper arsenate (CCA). Prior to 1966 the site was used for several industrial purposes, including a glass factory, an iron works, and several others, dating back to at least the mid-1800s. Several petroleum and hazardous substance storage tanks were used in the past on the property. Site Geology and Hydrogeology: Much of the site was created by filling in the Hudson River to extend the shoreline westward. The fill material is comprised of kiln slag from the glass works, demolition debris (which includes bricks and cinder block fragments), large fragments of anthracite coal, ash, sand, silt and gravel. Native material, |

**A C DUTTON LUMBER CORPORATION (Continued)** **S110748435**

| | |
|---|---|
| | consisting of light brown, silty sand, was rarely encountered in the eastern and central portions of the site, but near the river was encountered at approximately 5 feet below the surface. The site topography rises steeply approximately 10 to 20 feet along its eastern edge. There are bedrock cliffs along the southeastern edge of the site. The Hudson River is tidal in this area. Groundwater flow at the site is generally towards the river and is tidally-influenced. |
| Env Problem: | Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were arsenic, chromium and copper in soil. Remedial actions have successfully achieved soil cleanup objectives for restricted-residential use. Residual contamination in the soil and groundwater is being managed under a Site Management Plan. |
| Health Problem: | Contaminants associated with the historic wood treatment process, including arsenic, chromium and copper, are present at elevated levels in on-site soils. The site is currently unoccupied, mostly covered with pavement and buildings, and access to the site is limited, therefore, exposures to the contaminated soil is limited to trespassers who may come in direct contact with the soil. There is a potential for nearby residents to be exposed to site-related contaminants in dust that migrates off of the site. Exposure to contaminants in drinking water is not expected as residences and businesses in the area are connected to public water and no private drinking water supply wells are known to exist near the site. The potential for exposure to contaminated soil vapor is not expected due to the low levels of volatile organic contaminants detected in soil and groundwater. Exposure to contaminated sediments is not expected due to limited access to the river sediments. The proposed remedy for the site which includes removal of grossly contaminated soils, consolidation of remaining soils and capping of the site with clean soil will eliminate the potential for exposures to site contaminants. |
| Dump: | False |
| Structure: | False |
| Lagoon: | False |
| Landfill: | False |
| Pond: | False |
| Disp Start: | Not reported |
| Disp Term: | Not reported |
| Lat/Long: | 41:42’72.6 / 73:56’39.3 |
| Dell: | False |
| Record Add: | 9/22/2004 11:20:00 AM |
| Record Upd: | 10/18/2012 2:09:00 PM |
| Updated By: | ldennist |
| Own Op: | 6 |
| Sub Type: | P03 |
| Owner Name: | Louis Kaufman |
| Owner Company: | The O’Neill Group-Dutton, LLC |
| Owner Address: | 241 Hudson Street |
| Owner Addr2: | Not reported |
| Owner City,St,Zip: | Hackensack, NJ 7601 |
| Owner Country: | United States of America |
| Own Op: | Document Repository |
| Sub Type: | NNN |
| Owner Name: | Not reported |
| Owner Company: | Adriance Memorial Library |
| Owner Address: | 93 Market Street |
| Owner Addr2: | Not reported |

**A C DUTTON LUMBER CORPORATION (Continued)** **S110748435**

| | |
|---|---|
| Owner City,St,Zip: | Poughkeepsie, NY 12601 |
| Owner Country: | United States of America |
| Own Op: | Document Repository |
| Sub Type: | NNN |
| Owner Name: | Please call for an appointment |
| Owner Company: | NYSDEC Region 3 |
| Owner Address: | 21 South Putt Corners Road |
| Owner Addr2: | Not reported |
| Owner City,St,Zip: | New Paltz, NY 12561 |
| Owner Country: | United States of America |
| Own Op: | 1 |
| Sub Type: | P03 |
| Owner Name: | Louis Kaufman |
| Owner Company: | The O'Neill Group - Dutton, LLC |
| Owner Address: | 241 Hudson Street |
| Owner Addr2: | Not reported |
| Owner City,St,Zip: | Hackensack, NJ 7601 |
| Owner Country: | United States of America |
| HW Code: | Not reported |
| Waste Type: | ARSENIC |
| Waste Quantity: | UNKNOWN |
| Waste Code: | Not reported |
| HW Code: | Not reported |
| Waste Type: | COPPER |
| Waste Quantity: | UNKNOWN |
| Waste Code: | Not reported |
| HW Code: | Not reported |
| Waste Type: | CHROMIUM |
| Waste Quantity: | UNKNOWN |
| Waste Code: | Not reported |
| HW Code: | Not reported |
| Waste Type: | BENZO[K]FLUORANTHENE |
| Waste Quantity: | UNKNOWN |
| Waste Code: | Not reported |
| HW Code: | Not reported |
| Waste Type: | UNKNOWN PETROLEUM |
| Waste Quantity: | UNKNOWN |
| Waste Code: | Not reported |
| HW Code: | Not reported |
| Waste Type: | Petroleum Products |
| Waste Quantity: | UNKNOWN |
| Waste Code: | Not reported |
| Crossref ID: | W3-1066-05-05 |
| Cross Ref Type Code: | 23 |
| Cross Ref Type: | Agreement/Consent Order Number |
| Record Added Date: | 12/12/2014 2:49:00 PM |
| Record Updated: | 12/12/2014 2:49:00 PM |
| Updated By: | JLVERRIG |
| Crossref ID: | 02 2014 7048 |
| Cross Ref Type Code: | 25 |
| Cross Ref Type: | County Recording Identifier |
| Record Added Date: | 11/25/2014 3:19:00 PM |
| Record Updated: | 11/25/2014 3:19:00 PM |
| Updated By: | JXCANDIL |
| Crossref ID: | 3-000170 |
| Cross Ref Type Code: | 17 |
| Cross Ref Type: | CBS No. |

**A C DUTTON LUMBER CORPORATION (Continued)** **S110748435**

| | |
|---|---|
| Record Added Date: | 2/10/2011 11:19:00 AM |
| Record Updated: | 2/10/2011 11:19:00 AM |
| Updated By: | ELMOORE |
| Crossref ID: | 3-175935 |
| Cross Ref Type Code: | 18 |
| Cross Ref Type: | PBS No. |
| Record Added Date: | 1/5/2011 5:04:00 PM |
| Record Updated: | 1/5/2011 5:04:00 PM |
| Updated By: | JPCUMMIN |
| | |
| Name: | OFF-SITE FORMER A.C. DUTTON LUMBER YARD |
| Address: | 1 DUTCHESS AVENUE |
| City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| Program: | BCP |
| Site Code: | 414652 |
| Acres: | 47.77 |
| HW Code: | C314081A |
| SWIS: | 1413 |
| Town: | Poughkeepsie (c) |
| Record Added Date: | 06/03/2009 |
| Record Updated Date: | 04/09/2020 |
| Update By: | AMOMOROG |
| Site Description: | Location: The Former A.C. Dutton Lumber Yard Off-Site areas include areas which are not part of the Former A.C. Dutton Lumber Yard Brownfield Cleanup Program (BCP) site (C314081), but which had potentially been impacted by contaminants from the Former A.C. Dutton Lumber Yard. The Former A.C. Dutton Lumber Yard is located on the Hudson River in both the City of Poughkeepsie and the Town of Poughkeepsie, Dutchess County. Areas investigated as part of the off-site work include the Hudson River, the adjacent Vassar Boathouse property (north) and an area located in the Town of LaGrange, Dutchess County, at the intersection of Titusville Road and Daley Road, which may have received fill from the Former A.C. Dutton Lumber Yard site. Site Features: The Hudson River is a Class A waterbody. The Vassar Boathouse property is currently occupied by a boathouse and boat launch. The Titusville Road property is occupied by a fitness center, parking areas and a warehouse. Most of the strip of land along the west edge of the BCP site is paved. Current Zoning and Land Use: The Vassar Boathouse property is zoned as waterfront/institutional and is currently used for recreational purposes. The area surrounding the Former A.C. Dutton Lumber Yard site and the Vassar Boathouse is utilized for industrial, commercial and residential purposes. The Titusville Road property is zoned as commercial/general business and is used for commercial and industrial purposes. The area surrounding the Titusville Road property is predominantly residential. Past Use of the Site: The Former A.C. Dutton Lumber Yard site was historically used for several industrial operations, including pressure treating lumber and has been impacted by the previous manufacturing processes. From 1966 until approximately 1999, the site was used to pressure treat lumber using chromated copper arsenate (CCA). The Vassar Boathouse property was formerly owned and utilized by the A.C. Dutton company. The Titusville Road property was formerly owned and operated by a former owner of the A.C. Dutton Lumber Yard and reportedly received fill from the A.C. Dutton property. Site Geology and Hydrogeology: Much of the Former A.C. Dutton BCP site and Vassar Boathouse property were created by filling in the Hudson River historically to extend the |

**A C DUTTON LUMBER CORPORATION (Continued)** **S110748435**

shoreline westward. The fill material present at the BCP site is comprised of kiln slag from the glass works, demolition debris (which includes bricks and cinder block fragments), large fragments of anthracite coal, ash, sand, silt and gravel. Native soils, where present below the fill and above bedrock, consists of light brown silty sand. The geology of the Vassar Boathouse property consists of fill material (topsoil and gravel) over bedrock, which was encountered at depths ranging from 2 to 15 feet below ground surface (bgs). The Vassar Boathouse property topography rises steeply approximately 10 to 15 feet along its eastern edge. Groundwater was encountered at the Vassar Boathouse property at approximately 5 feet bgs. Groundwater flow at the Vassar Boathouse property is generally towards the river and is assumed to be tidally-influenced. The Hudson River bank (channel wall) drops steeply from the shore in this area and quickly reaches the channel floor, which is present at depths of approximately 40-50 feet. The geology of the Titusville Road properties consists of topsoil and gravel over glacial till (silt, clay and sand). Bedrock was encountered at a depth ranging from 7 to 18 feet bgs. Groundwater depth at the Titusville Road properties was encountered at approximately 7 feet bgs. Groundwater flows east/southeast on the northern parcel and to the south/southeast on the southern parcel.

| | |
|---|---|
| Env Problem: | The primary contaminants of concern at the site were those associated with the adjacent Former A.C. Dutton Lumber Yard (site C314081)including arsenic, chromium and copper. Site investigation conducted to determine the nature and extent of site contamination revealed that no contaminant of concern were detected above standards or guidance value or the detections were within background values. Based on the investigation results, the NYSDEC concludes that the site have not been impacted by the Former A.C. Dutton Lumber Yard Site. Further, the NYSDEC concludes the site does not pose a significant threat to the environment and no further actions are required. |
| Health Problem: | Users of the Vassar Boathouse and Titusville Road properties could contact contaminants in the soil by walking on the site, digging or otherwise disturbing the soil. People using the Hudson River for recreational activities adjacent to the A.C. Dutton Lumber Yard site are not expected to come in contact with contaminants that are present in deep water sediment. |
| Dump: | Not reported |
| Structure: | Not reported |
| Lagoon: | Not reported |
| Landfill: | Not reported |
| Pond: | Not reported |
| Disp Start: | Not reported |
| Disp Term: | Not reported |
| Lat/Long: | Not reported |
| Dell: | Not reported |
| Record Add: | Not reported |
| Record Upd: | Not reported |
| Updated By: | Not reported |
| Own Op: | 1 |
| Sub Type: | NNN |
| Owner Name: | Elizabeth A.S. Eismeier |
| Owner Company: | Vassar College |
| Owner Address: | Vassar College Box 2 |
| Owner Addr2: | 124 Raymond Avenue |

**A C DUTTON LUMBER CORPORATION (Continued)** **S110748435**

| | |
|---|---|
| Owner City,St,Zip: | Poughkeepsie, NY |
| Owner Country: | United States of America |
| Own Op: | 1 |
| Sub Type: | NNN |
| Owner Name: | Neil Rube |
| Owner Company: | Poughkeepsie CSC, LLC |
| Owner Address: | Raymour & Flanigan Furniture |
| Owner Addr2: | 7248 Morgan Road |
| Owner City,St,Zip: | Liverpool, NY 13088 |
| Owner Country: | United States of America |
| HW Code: | Not reported |
| Waste Type: | Not reported |
| Waste Quantity: | Not reported |
| Waste Code: | Not reported |
| Crossref ID: | Not reported |
| Cross Ref Type Code: | Not reported |
| Cross Ref Type: | Not reported |
| Record Added Date: | Not reported |
| Record Updated: | Not reported |
| Updated By: | Not reported |
| | |
| Name: | A.C. DUTTON GREENWAY CITY |
| Address: | 1 DUTCHESS AVENUE |
| City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| Program: | BCP |
| Site Code: | 505421 |
| Acres: | 1.844 |
| HW Code: | C314123 |
| SWIS: | 1413 |
| Town: | Poughkeepsie (c) |
| Record Added Date: | 03/13/2015 |
| Record Updated Date: | 02/28/2020 |
| Update By: | AMOMOROG |
| Site Description: | Location: The A.C. Dutton Greenway City Site is located in an urban area at 1 Dutchess Avenue, in the City of Poughkeepsie, Dutchess County. The site is adjacent to the Hudson River. Site Features: The site is vacant. There are no buildings, foundations or paved areas on the site. Current Zoning/Use: The site is located in a Waterfront District, which allows for restricted-residential use and is currently vacant. Past Use of the Site: The site was used for industrial purposes from the 1830s to 1995. Prior uses included processing of whale oil, a screw factory, a sash factory, a locomotive factory, a dyewood factory, an iron works plant, and glass works plant. The A.C. Dutton Lumber Company operated a wholesale lumber company on the site from 1966 to 1995. Site Geology and Hydrogeology: The site consists of historic fill composed of solidified kiln ash, which includes sand and gravel, demolition debris, bricks and cinder block fragments. Native material, consisting of light brown silty sand, was encountered at approximately 5 feet below the surface. Depth to groundwater at the site is approximately 4 to 6 feet below ground surface and is assumed to flow to the west toward the Hudson River. However, groundwater flow is likely influenced by tides. |
| Env Problem: | Nature and Extent of Contamination: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were arsenic, chromium and copper in soil. Remedial actions have successfully achieved soil cleanup objectives for |

**A C DUTTON LUMBER CORPORATION (Continued)** **S110748435**

| | |
|---|---|
| | restricted-residential use. Residual contamination in the soil and groundwater is being managed under a Site Management Plan. |
| Health Problem: | A two-foot cover of clean soil is present at the site. People will not come into contact with contaminated soils unless they dig below the surface materials. Contaminated groundwater at the site is not used for drinking or other purposes. The area is served by a public water supply that is not affected by this contamination. |
| Dump: | False |
| Structure: | False |
| Lagoon: | False |
| Landfill: | False |
| Pond: | False |
| Disp Start: | Not reported |
| Disp Term: | Not reported |
| Lat/Long: | Not reported |
| Dell: | Not reported |
| Record Add: | 10/29/2015 3:01:00 PM |
| Record Upd: | 12/2/2016 11:11:00 AM |
| Updated By: | JLVERRIG |
| Own Op: | 1 |
| Sub Type: | NNN |
| Owner Name: | Lou Kaufman |
| Owner Company: | The O'Neill Group-Dutton, LLC |
| Owner Address: | 241 Hudson Street |
| Owner Addr2: | Not reported |
| Owner City,St,Zip: | Hackensack, NJ 7601 |
| Owner Country: | United States of America |
| Own Op: | Document Repository |
| Sub Type: | NNN |
| Owner Name: | Thomas Lawrence |
| Owner Company: | Adriance Memorial Library |
| Owner Address: | 93 Market Street |
| Owner Addr2: | Not reported |
| Owner City,St,Zip: | Poughkeepsie, NY 12601 |
| Owner Country: | United States of America |
| Own Op: | 6 |
| Sub Type: | P03 |
| Owner Name: | Louis Kaufman |
| Owner Company: | Dutchess Avenue Riverwalk, LLC |
| Owner Address: | 241 Hudson St. |
| Owner Addr2: | Not reported |
| Owner City,St,Zip: | Hackensack, NJ 7601 |
| Owner Country: | United States of America |
| Own Op: | Document Repository |
| Sub Type: | NNN |
| Owner Name: | Please Call for an Appointment |
| Owner Company: | NYSDEC Region 3 Office |
| Owner Address: | 21 S. Putt Corners Road |
| Owner Addr2: | Not reported |
| Owner City,St,Zip: | New Paltz, NY 12561 |
| Owner Country: | United States of America |
| HW Code: | Not reported |
| Waste Type: | Not reported |
| Waste Quantity: | Not reported |
| Waste Code: | Not reported |
| Crossref ID: | C314123-05-15 |
| Cross Ref Type Code: | 23 |

**A C DUTTON LUMBER CORPORATION (Continued)** **S110748435**

| | |
|---|---|
| Cross Ref Type: | Agreement/Consent Order Number |
| Record Added Date: | 11/2/2016 1:27:00 PM |
| Record Updated: | 11/2/2016 1:27:00 PM |
| Updated By: | JLVERRIG |
| Crossref ID: | 02-2016-7528 |
| Cross Ref Type Code: | 25 |
| Cross Ref Type: | County Recording Identifier |
| Record Added Date: | 11/2/2016 1:23:00 PM |
| Record Updated: | 11/2/2016 1:23:00 PM |
| Updated By: | JLVERRIG |
| | |
| Name: | A.C. DUTTON GREENWAY NORTH TOWN |
| Address: | 1 DUTCHESS AVENUE |
| City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| Program: | BCP |
| Site Code: | 505422 |
| Acres: | 0.646 |
| HW Code: | C314124 |
| SWIS: | 1446 |
| Town: | Poughkeepsie |
| Record Added Date: | 03/13/2015 |
| Record Updated Date: | 02/28/2020 |
| Update By: | AMOMOROG |
| Site Description: | Location: The A.C. Dutton Greenway North Town Site is located in an urban area in the Town of Poughkeepsie, Dutchess County. The site is adjacent to the Hudson River. Site Features: The site is vacant. There are no buildings, foundations or paved areas on the site. Current Zoning/Use: The site is zoned for Waterfront District 2, which allows for active recreation uses and is currently not used. Past Use of the Site: The site property was used for industrial purposes from the 1830s to 1995. Prior uses included processing of whale oil, screw factory, a sash factory, a locomotive factory, a dyewood factory, an iron works plant, and glass works plant. The A.C. Dutton Lumber Company operated a wholesale lumber company on the site from 1966 to 1995. Site Geology and Hydrogeology: The site consists of historic fill composed of solidified kiln ash, which includes sand and gravel, demolition debris, bricks and cinder block fragments, anthracite coal, ash, sand, silt and large gravel. Depth to groundwater at the site is approximately 4 to 6 feet below ground surface and is assumed to flow to the west toward the Hudson River. However, groundwater flow is likely influenced by tides. |
| Env Problem: | Nature and Extent of Contamination: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were arsenic, chromium and copper in soil. Remedial actions have successfully achieved soil cleanup objectives for restricted-residential use. Residual contamination in the soil and groundwater is being managed under a Site Management Plan. |
| Health Problem: | A two-foot cover of clean soil is present at the site. People will not come into contact with contaminated soils unless they dig below the surface materials. Contaminated groundwater at the site is not used for drinking or other purposes. The area is served by a public water supply that is not affected by this contamination. |
| Dump: | False |
| Structure: | False |
| Lagoon: | False |
| Landfill: | False |
| Pond: | False |

**A C DUTTON LUMBER CORPORATION (Continued)** **S110748435**

| | |
|---|---|
| Disp Start: | Not reported |
| Disp Term: | Not reported |
| Lat/Long: | Not reported |
| Dell: | Not reported |
| Record Add: | 12/11/2015 9:26:00 AM |
| Record Upd: | 12/27/2016 11:30:00 AM |
| Updated By: | GWHEITZM |
| Own Op: | 6 |
| Sub Type: | P03 |
| Owner Name: | Louis Kaufman |
| Owner Company: | Dutchess Avenue Riverwalk North, LLC |
| Owner Address: | 241 Hudson St. |
| Owner Addr2: | Not reported |
| Owner City,St,Zip: | Hackensack, NJ 7601 |
| Owner Country: | United States of America |
| Own Op: | Document Repository |
| Sub Type: | NNN |
| Owner Name: | Thomas Lawrence |
| Owner Company: | Adriance Memorial Library |
| Owner Address: | 93 Market Street |
| Owner Addr2: | Not reported |
| Owner City,St,Zip: | Poughkeepsie, NY 12601 |
| Owner Country: | United States of America |
| Own Op: | 1 |
| Sub Type: | NNN |
| Owner Name: | Louis Kaufman |
| Owner Company: | The O'Neill Group-Dutton, LLC |
| Owner Address: | 241 Hudson Street |
| Owner Addr2: | Not reported |
| Owner City,St,Zip: | Hackensack, NJ 7601 |
| Owner Country: | United States of America |
| Own Op: | Document Repository |
| Sub Type: | NNN |
| Owner Name: | Please Call for an Appointment |
| Owner Company: | NYSDEC Region 3 Office |
| Owner Address: | 21 S. Putt Corners Road |
| Owner Addr2: | Not reported |
| Owner City,St,Zip: | New Paltz, NY 12561 |
| Owner Country: | United States of America |
| HW Code: | Not reported |
| Waste Type: | Not reported |
| Waste Quantity: | Not reported |
| Waste Code: | Not reported |
| Crossref ID: | C314124-05-15 |
| Cross Ref Type Code: | 23 |
| Cross Ref Type: | Agreement/Consent Order Number |
| Record Added Date: | 11/2/2016 1:28:00 PM |
| Record Updated: | 11/2/2016 1:28:00 PM |
| Updated By: | JLVERRIG |
| Crossref ID: | 02-2016-7527 |
| Cross Ref Type Code: | 25 |
| Cross Ref Type: | County Recording Identifier |
| Record Added Date: | 11/2/2016 1:23:00 PM |
| Record Updated: | 11/2/2016 1:23:00 PM |
| Updated By: | JLVERRIG |

**A C DUTTON LUMBER CORPORATION (Continued)** **S110748435**

NY MANIFEST:

| | |
|---|---|
| Name: | A C DUTTON LUMBER CORPORATION |
| Address: | 1 DUTCHESS AVE |
| City,State,Zip: | POUGHKEEPSIE, NY 12601 |
| Country: | USA |
| EPA ID: | NYD006993711 |
| Facility Status: | Not reported |
| Location Address 1: | 1 DUTCHESS AVE |
| Code: | BP |
| Location Address 2: | Not reported |
| Total Tanks: | Not reported |
| Location City: | POUGHKEEPSIE |
| Location State: | NY |
| Location Zip: | 12601 |
| Location Zip 4: | Not reported |

NY MANIFEST:

| | |
|---|---|
| EPAID: | NYD006993711 |
| Mailing Name: | A C DUTTON LUMBER CORPORATION |
| Mailing Contact: | LOU KAUFMAN |
| Mailing Address 1: | 241 HUDSON ST |
| Mailing Address 2: | Not reported |
| Mailing City: | HACKENSACK |
| Mailing State: | NJ |
| Mailing Zip: | 07601 |
| Mailing Zip 4: | Not reported |
| Mailing Country: | USA |
| Mailing Phone: | 2014884455 |

NY MANIFEST:

| | |
|---|---|
| Document ID: | Not reported |
| Manifest Status: | Not reported |
| seq: | Not reported |
| Year: | Not reported |
| Trans1 State ID: | MIT270012321 |
| Trans2 State ID: | Not reported |
| Generator Ship Date: | 10/13/2011 |
| Trans1 Recv Date: | 10/13/2011 |
| Trans2 Recv Date: | Not reported |
| TSD Site Recv Date: | 10/13/2011 |
| Part A Recv Date: | Not reported |
| Part B Recv Date: | Not reported |
| Generator EPA ID: | NYD006993711 |
| Trans1 EPA ID: | Not reported |
| Trans2 EPA ID: | Not reported |
| TSDF ID 1: | NYD082785429 |
| TSDF ID 2: | Not reported |
| Manifest Tracking Number: | 004984635FLE |
| Import Indicator: | N |
| Export Indicator: | N |
| Discr Quantity Indicator: | N |
| Discr Type Indicator: | N |
| Discr Residue Indicator: | N |
| Discr Partial Reject Indicator: | N |
| Discr Full Reject Indicator: | N |
| Manifest Ref Number: | Not reported |
| Alt Facility RCRA ID: | Not reported |

**A C DUTTON LUMBER CORPORATION (Continued)** **S110748435**

| | |
|---|---|
| Alt Facility Sign Date: | Not reported |
| MGMT Method Type Code: | H141 |
| Waste Code: | Not reported |
| Waste Code: | Not reported |
| Waste Code: | Not reported |
| Waste Code: | Not reported |
| Waste Code: | Not reported |
| Waste Code: | Not reported |
| Quantity: | 2900 |
| Units: | G - Gallons (liquids only)* (8.3 pounds) |
| Number of Containers: | 1 |
| Container Type: | TT - Cargo tank, tank trucks |
| Handling Method: | T Chemical, physical, or biological treatment. |
| Specific Gravity: | 1 |
| Waste Code: | D002 |
| Waste Code 1_2: | D004 |
| Waste Code 1_3: | D007 |
| Waste Code 1_4: | Not reported |
| Waste Code 1_5: | Not reported |
| Waste Code 1_6: | Not reported |

---

**90**
**East**
**1/4-1/2**
**0.497 mi.**
**2626 ft.**

**CATHERINE ST COMM CTR.: 2K UST** **NY LTANKS S111836499**
**69 CATHERINE ST** **NY Spills N/A**
**POUGHKEEPSIE, NY**

**Relative:**
**Higher**

**Actual:**
**168 ft.**

LTANKS:

| | |
|---|---|
| Name: | CATHERINE ST COMM CTR.: 2K UST |
| Address: | 69 CATHERINE ST |
| City,State,Zip: | POUGHKEEPSIE, NY |
| Spill Number/Closed Date: | 1200540 / 2013-12-09 |
| Facility ID: | 1200540 |
| Site ID: | 463172 |
| Spill Date: | 2012-04-18 |
| Spill Cause: | Tank Test Failure |
| Spill Source: | Institutional, Educational, Gov., Other |
| Spill Class: | D3 |
| Cleanup Ceased: | Not reported |
| SWIS: | 1413 |
| Investigator: | ELMOORE |
| Referred To: | Not reported |
| Reported to Dept: | 2012-04-18 |
| CID: | Not reported |
| Water Affected: | Not reported |
| Spill Notifier: | Tank Tester |
| Last Inspection: | 2012-05-01 |
| Recommended Penalty: | False |
| Meets Standard: | True |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 2012-04-18 |
| Spill Record Last Update: | 2015-03-24 |
| Spiller Name: | SHIRLEY ADAMS |
| Spiller Company: | CATHERINE ST COMM CTR |
| Spiller Address: | 69 CATHERINE ST |
| Spiller County: | 999 |

**CATHERINE ST COMM CTR.: 2K UST (Continued)** **S111836499**

Spiller Contact: SHIRLEY ADAMS
Spiller Phone: 845 473-2272
Spiller Extention: Not reported
DEC Region: 3
DER Facility ID: 417588
DEC Memo: "4/18/12- Spoke to Morris Morgan of US Tank Tech. PBS No. 3-601648. suspect piping failure. Visible damage to fill pipe. US Tank Tech has proposed to uncover and check fittings prior to retest. DT 4/20/2012: Called Cath.St.Com.CTR. Rep says that EnviroClean will excavate the tank and the boiler will be converted to natural gas. ELM 8/24/12: EnviroClean removed the 2K tank. Jackie Trosclair reports the UST did not appear to be leaking. Field screening showed no indication of contamination. However laboratory results came back showing low level SVOC contamination. EnviroClean reported Spill 1205267. jod 12/31/12: from the other spill file: 8/24/12: UST previously failed a tank test, Spill 1200540. I spoke with Jackie Trosclair/EnviroClean. This was a removal of a 2K UST. Tank did not appear to be leaking and field screening was negative for contamination. However soil sample results came back showing low level SVOC contamination level. Jackie states this area is historical fill material. She states there is a lot of ash, bricks, broken glass, and other trash in the fill. jod 4-8-13: V.Mc.: See 1 page update, inc. site inspection of , noting: *)5-1-12: Meet with Shirley Adams/Exc.Dir. UST removal expected to start in the next couple of weeks. UST orig. to building, 1979 construction, first time UST failed testing. *) 8-27-12: V.Mc. call to Jackie/EnviroCl.: Confirm same UST removal as 120-5267/NFA. *) 4-4-13: V.Mc. & M.M. at EnviroClean, meet with J.Jorden. Work completed, payment ongoing, report pending. *) 4-8-13: NOTE: 120-5267, NFA.8-24-12. THERE IS NO REASON FOR THIS SPILL TO REMAIN OPEN. THE TANK WAS REMOVED AND THAT SPILL FILE WAS CLOSED. elm"
Remarks: "retest pending"

All Materials:
Site ID: 463172
Operable Unit ID: 1213271
Operable Unit: 01
Material ID: 2211194
Material Code: 0001A
Material Name: #2 fuel oil
Case No.: Not reported
Material FA: Petroleum
Quantity: Not reported
Units: Not reported
Recovered: Not reported
Oxygenate: Not reported

SPILLS:
Name: CATHERINE ST COMM CTR.: 2K UST
Address: 69 CATHERINE ST
City,State,Zip: POUGHKEEPSIE, NY
Spill Number/Closed Date: 1205267 / 2012-08-24
Facility ID: 1205267
Facility Type: ER
DER Facility ID: 417588
Site ID: 468193
DEC Region: 3

**CATHERINE ST COMM CTR.: 2K UST (Continued)** **S111836499**

| | |
|---|---|
| Spill Cause: | Unknown |
| Spill Class: | C3 |
| SWIS: | 1413 |
| Spill Date: | 2012-08-24 |
| Investigator: | VPMCCABE |
| Referred To: | Not reported |
| Reported to Dept: | 2012-08-24 |
| CID: | Not reported |
| Water Affected: | Not reported |
| Spill Source: | Commercial/Industrial |
| Spill Notifier: | Other |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 2012-08-24 |
| Spill Record Last Update: | 2015-03-24 |
| Spiller Name: | ADAM SHEU |
| Spiller Company: | CATHERINE ST COMM CTR |
| Spiller Address: | 69 CATHERINE ST |
| Spiller Company: | 999 |
| Contact Name: | ADAM SHEU |
| DEC Memo: | "8/24/12: UST previously failed a tank test, Spill 1200540. I spoke with Jackie Trosclair/EnviroClean. This was a removal of a 2K UST. Tank did not appear to be leaking and field screening was negative for contamination. However soil sample results came back showing low level SVOC contamination level. Jackie states this area is historical fill material. She states there is a lot of ash, bricks, broken glass, and other trash in the fill. jod 8-27-12: V.Mc. call to Jackie/EnviroCl.: Confirm same UST removal as 120-0540. NFA" |
| Remarks: | "trash deposits found in testing" |

All Materials:

| | |
|---|---|
| Site ID: | 468193 |
| Operable Unit ID: | 1218124 |
| Operable Unit: | 01 |
| Material ID: | 2216492 |
| Material Code: | 0064A |
| Material Name: | unknown material |
| Case No.: | Not reported |
| Material FA: | Other |
| Quantity: | Not reported |
| Units: | Not reported |
| Recovered: | Not reported |
| Oxygenate: | Not reported |

Count: 13 records. ORPHAN SUMMARY

| City | EDR ID | Site Name | Site Address | Zip | Database(s) |
|---|---|---|---|---|---|
| HIGHLAND | S126022569 | BARNES | SOUTH OF WOODS RD. AND EAST OF | | NY SWF/LF |
| POUGHKEEPSIE | S106704117 | NINE MALL PLAZA | 1810 - 1840 ROUTE 9 | 12601 | NY ENG CONTROLS, NY INST CONTROL, NY VCP, NY BROWNFIEL |
| POUGHKEEPSIE | 1003863953 | VANDEWATER PROP | DUTCHESS TKP-NORTH OF 44 PLAZA | 12603 | SEMS-ARCHIVE |
| POUGHKEEPSIE | S104323915 | CH - LAUREL ST. - POUGHKEEPSIE MGP | LAUREL STREET | 12601 | NY VCP |
| POUGHKEEPSIE | S113916839 | CH - POUGHKEEPSIE MGP LAUREL STREE | LAUREL STREET | 12601 | NY SHWS |
| POUGHKEEPSIE | 1003863833 | CHG&E - LAUREL STREET FORMER MGP S | LAUREL ST & RTE 9 N | 12601 | SEMS-ARCHIVE, RCRA-VSQG, NY MANIFEST |
| POUGHKEEPSIE | S108146281 | CHG&E, POUGHKEEPSIE-LAUREL ST. | LAUREL STREET | 12601 | NY HSWDS |
| POUGHKEEPSIE | S126023162 | IBM C&D LANDFILL | SOUTH OF RIVERCREST CT. | | NY SWF/LF |
| POUGHKEEPSIE | S113916842 | VASSAR COLLEGE | VASSAR COLLEGE | 12601 | NY SHWS |
| POUGHKEEPSIE | S108146280 | CHG&E, POUGHKEEPSIE GAS WORKS | NORTH WATER STREET | 12601 | NY HSWDS |
| POUGHKEEPSIE | 1003863969 | CENTRAL HUDSON G & E CORP | NORTH WATER ST | 12601 | SEMS-ARCHIVE |
| POUGHKEEPSIE | S113916841 | CH - POUGHKEEPSIE MGP-WATER STREET | NORTH WATER STREET | 12601 | NY SHWS |
| POUGHKEEPSIE | S105972469 | BERNCOLORS DYE CO. | NORTH WATER STREET | 12601 | NY SHWS |

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

**Number of Days to Update:** Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

**STANDARD ENVIRONMENTAL RECORDS**

***Federal NPL site list***

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 07/29/2020
Date Data Arrived at EDR: 08/03/2020
Date Made Active in Reports: 08/25/2020
Number of Days to Update: 22

Source: EPA
Telephone: N/A
Last EDR Contact: 10/01/2020
Next Scheduled EDR Contact: 01/11/2021
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 07/29/2020
Date Data Arrived at EDR: 08/03/2020
Date Made Active in Reports: 08/25/2020
Number of Days to Update: 22

Source: EPA
Telephone: N/A
Last EDR Contact: 10/02/2020
Next Scheduled EDR Contact: 01/11/2021
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

***Federal Delisted NPL site list***

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 07/29/2020
Date Data Arrived at EDR: 08/03/2020
Date Made Active in Reports: 08/25/2020
Number of Days to Update: 22

Source: EPA
Telephone: N/A
Last EDR Contact: 10/01/2020
Next Scheduled EDR Contact: 01/11/2021
Data Release Frequency: Quarterly

***Federal CERCLIS list***

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 04/03/2019
Date Data Arrived at EDR: 04/05/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 10/02/2020
Next Scheduled EDR Contact: 01/11/2021
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 07/29/2020
Date Data Arrived at EDR: 08/03/2020
Date Made Active in Reports: 08/25/2020
Number of Days to Update: 22

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 10/02/2020
Next Scheduled EDR Contact: 01/25/2021
Data Release Frequency: Quarterly

***Federal CERCLIS NFRAP site list***

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 07/29/2020
Date Data Arrived at EDR: 08/03/2020
Date Made Active in Reports: 08/25/2020
Number of Days to Update: 22

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 10/06/2020
Next Scheduled EDR Contact: 01/25/2021
Data Release Frequency: Quarterly

***Federal RCRA CORRACTS facilities list***

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/15/2020
Date Data Arrived at EDR: 06/22/2020
Date Made Active in Reports: 09/17/2020
Number of Days to Update: 87

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 09/22/2020
Next Scheduled EDR Contact: 01/04/2021
Data Release Frequency: Quarterly

***Federal RCRA non-CORRACTS TSD facilities list***

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/15/2020
Date Data Arrived at EDR: 06/22/2020
Date Made Active in Reports: 09/18/2020
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 09/22/2020
Next Scheduled EDR Contact: 01/04/2021
Data Release Frequency: Quarterly

***Federal RCRA generators list***

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/15/2020
Date Data Arrived at EDR: 06/22/2020
Date Made Active in Reports: 09/18/2020
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 09/22/2020
Next Scheduled EDR Contact: 01/04/2021
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 06/15/2020
Date Data Arrived at EDR: 06/22/2020
Date Made Active in Reports: 09/18/2020
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 09/22/2020
Next Scheduled EDR Contact: 01/04/2021
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/15/2020
Date Data Arrived at EDR: 06/22/2020
Date Made Active in Reports: 09/18/2020
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 09/22/2020
Next Scheduled EDR Contact: 01/04/2021
Data Release Frequency: Quarterly

***Federal institutional controls / engineering controls registries***

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 05/15/2020
Date Data Arrived at EDR: 05/19/2020
Date Made Active in Reports: 06/18/2020
Number of Days to Update: 30

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 08/04/2020
Next Scheduled EDR Contact: 11/23/2020
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 02/13/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 05/15/2020
Number of Days to Update: 85

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/24/2020
Next Scheduled EDR Contact: 12/07/2020
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 02/13/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 05/15/2020
Number of Days to Update: 85

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/24/2020
Next Scheduled EDR Contact: 12/07/2020
Data Release Frequency: Varies

***Federal ERNS list***

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 06/15/2020
Date Data Arrived at EDR: 06/22/2020
Date Made Active in Reports: 09/17/2020
Number of Days to Update: 87

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 09/22/2020
Next Scheduled EDR Contact: 01/04/2021
Data Release Frequency: Quarterly

***State- and tribal - equivalent CERCLIS***

SHWS: Inactive Hazardous Waste Disposal Sites in New York State

Referred to as the State Superfund Program, the Inactive Hazardous Waste Disposal Site Remedial Program is the cleanup program for inactive hazardous waste sites and now includes hazardous substance sites

Date of Government Version: 05/12/2020
Date Data Arrived at EDR: 05/13/2020
Date Made Active in Reports: 07/28/2020
Number of Days to Update: 76

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 08/11/2020
Next Scheduled EDR Contact: 11/23/2020
Data Release Frequency: Annually

***State and tribal landfill and/or solid waste disposal site lists***

SWF/LF: Facility Register

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 07/01/2020
Date Data Arrived at EDR: 07/02/2020
Date Made Active in Reports: 09/22/2020
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-8678
Last EDR Contact: 09/23/2020
Next Scheduled EDR Contact: 01/10/2021
Data Release Frequency: Quarterly

***State and tribal leaking storage tank lists***

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/29/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 10/23/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/14/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 10/23/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 04/08/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 10/23/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 04/14/2020
Date Data Arrived at EDR: 05/26/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 78
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 10/23/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 04/14/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 10/23/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 04/15/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 10/23/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/14/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 10/23/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 04/08/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84
Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 10/23/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

LTANKS: Spills Information Database
Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills.

Date of Government Version: 05/12/2020
Date Data Arrived at EDR: 05/13/2020
Date Made Active in Reports: 08/03/2020
Number of Days to Update: 82
Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 08/11/2020
Next Scheduled EDR Contact: 11/23/2020
Data Release Frequency: Varies

HIST LTANKS: Listing of Leaking Storage Tanks

A listing of leaking underground and aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills. In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY LTANKS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 07/08/2005
Date Made Active in Reports: 07/14/2005
Number of Days to Update: 6

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 07/07/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

***State and tribal registered storage tank lists***

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 02/01/2020
Date Data Arrived at EDR: 03/19/2020
Date Made Active in Reports: 06/09/2020
Number of Days to Update: 82

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 10/01/2020
Next Scheduled EDR Contact: 01/18/2021
Data Release Frequency: Varies

UST: Petroleum Bulk Storage (PBS) Database

Facilities that have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons.

Date of Government Version: 06/22/2020
Date Data Arrived at EDR: 06/23/2020
Date Made Active in Reports: 09/09/2020
Number of Days to Update: 78

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 09/23/2020
Next Scheduled EDR Contact: 01/04/2021
Data Release Frequency: No Update Planned

CBS UST: Chemical Bulk Storage Database

Facilities that store regulated hazardous substances in underground tanks of any size

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 10/24/2005
Next Scheduled EDR Contact: 01/23/2006
Data Release Frequency: No Update Planned

MOSF UST: Major Oil Storage Facilities Database

Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

CBS: Chemical Bulk Storage Site Listing

These facilities store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size

Date of Government Version: 06/22/2020
Date Data Arrived at EDR: 06/23/2020
Date Made Active in Reports: 09/09/2020
Number of Days to Update: 78

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 09/23/2020
Next Scheduled EDR Contact: 01/04/2021
Data Release Frequency: Quarterly

MOSF: Major Oil Storage Facility Site Listing

These facilities may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 06/22/2020
Date Data Arrived at EDR: 06/23/2020
Date Made Active in Reports: 09/09/2020
Number of Days to Update: 78

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 09/23/2020
Next Scheduled EDR Contact: 01/04/2021
Data Release Frequency: Quarterly

AST: Petroleum Bulk Storage

Registered Aboveground Storage Tanks.

Date of Government Version: 06/22/2020
Date Data Arrived at EDR: 06/23/2020
Date Made Active in Reports: 09/09/2020
Number of Days to Update: 78

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 09/23/2020
Next Scheduled EDR Contact: 01/04/2021
Data Release Frequency: No Update Planned

CBS AST: Chemical Bulk Storage Database

Facilities that store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

MOSF AST: Major Oil Storage Facilities Database

Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 04/08/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 10/23/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 04/14/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 85

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 10/23/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/03/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 10/23/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 04/08/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 10/23/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 04/14/2020
Date Data Arrived at EDR: 05/26/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 78

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 10/23/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/14/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 10/23/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/14/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 10/23/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/29/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 10/23/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

TANKS: Storage Tank Faciliy Listing
This database contains records of facilities that are or have been regulated under Bulk Storage Program. Tank information for these facilities may not be releasable by the state agency.

Date of Government Version: 06/22/2020
Date Data Arrived at EDR: 06/23/2020
Date Made Active in Reports: 09/09/2020
Number of Days to Update: 78
Source: Department of Environmental Conservation
Telephone: 518-402-9543
Last EDR Contact: 09/23/2020
Next Scheduled EDR Contact: 01/04/2021
Data Release Frequency: Quarterly

***State and tribal institutional control / engineering control registries***

ENV RES DECL: Environmental Restrictive Declarations
The Environmental Restrictive Declarations (ERD) listed were recorded in connection with a zoning action against the noted Tax Blocks and Tax Lots, or portion thereof, and are available in the property records on file at the Office of the City Register for Bronx, Kings, New York and Queens counties or at the Richmond County Clerk's office. They contain environmental requirements with respect to hazardous materials, air quality and/or noise in accordance with Section 11-15 of this Resolution.

Date of Government Version: 04/22/2020
Date Data Arrived at EDR: 06/18/2020
Date Made Active in Reports: 09/04/2020
Number of Days to Update: 78
Source: New York City Department of City Planning
Telephone: 212-720-3300
Last EDR Contact: 09/18/2020
Next Scheduled EDR Contact: 12/28/2020
Data Release Frequency: Varies

RES DECL: Restrictive Declarations Listing
A restrictive declaration is a covenant running with the land which binds the present and future owners of the property. As a condition of certain special permits, the City Planning Commission may require an applicant to sign and record a restrictive declaration that places specified conditions on the future use and development of the property. Certain restrictive declarations are indicated by a D on zoning maps.

Date of Government Version: 12/16/2019
Date Data Arrived at EDR: 12/16/2019
Date Made Active in Reports: 03/02/2020
Number of Days to Update: 77
Source: NYC Department of City Planning
Telephone: 212-720-3401
Last EDR Contact: 09/18/2020
Next Scheduled EDR Contact: 12/28/2020
Data Release Frequency: Varies

ENG CONTROLS: Registry of Engineering Controls
Environmental Remediation sites that have engineering controls in place.

Date of Government Version: 05/12/2020
Date Data Arrived at EDR: 05/13/2020
Date Made Active in Reports: 07/29/2020
Number of Days to Update: 77
Source: Department of Environmental Conservation
Telephone: 518-402-9553
Last EDR Contact: 08/11/2020
Next Scheduled EDR Contact: 11/23/2020
Data Release Frequency: Quarterly

INST CONTROL: Registry of Institutional Controls
Environmental Remediation sites that have institutional controls in place.

Date of Government Version: 05/12/2020
Date Data Arrived at EDR: 05/13/2020
Date Made Active in Reports: 07/29/2020
Number of Days to Update: 77
Source: Department of Environmental Conservation
Telephone: 518-402-9553
Last EDR Contact: 08/11/2020
Next Scheduled EDR Contact: 11/23/2020
Data Release Frequency: Quarterly

***State and tribal voluntary cleanup sites***

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 09/16/2020
Next Scheduled EDR Contact: 01/04/2021
Data Release Frequency: Varies

VCP: Voluntary Cleanup Agreements

New York established its Voluntary Cleanup Program (VCP) to address the environmental, legal and financial barriers that often hinder the redevelopment and reuse of contaminated properties. The Voluntary Cleanup Program was developed to enhance private sector cleanup of brownfields by enabling parties to remediate sites using private rather than public funds and to reduce the development pressures on "greenfield" sites.

Date of Government Version: 05/12/2020
Date Data Arrived at EDR: 05/13/2020
Date Made Active in Reports: 07/29/2020
Number of Days to Update: 77

Source: Department of Environmental Conservation
Telephone: 518-402-9711
Last EDR Contact: 08/11/2020
Next Scheduled EDR Contact: 11/23/2020
Data Release Frequency: Semi-Annually

VCP NYC: Voluntary Cleanup Program Listing NYC

New York City voluntary cleanup program sites.

Date of Government Version: 07/24/2020
Date Data Arrived at EDR: 07/24/2020
Date Made Active in Reports: 10/12/2020
Number of Days to Update: 80

Source: New York City Office of Environmental Protection
Telephone: 212-788-8841
Last EDR Contact: 09/11/2020
Next Scheduled EDR Contact: 12/28/2020
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

***State and tribal Brownfields sites***

BROWNFIELDS: Brownfields Site List

A Brownfield is any real property where redevelopment or re-use may be complicated by the presence or potential presence of a hazardous waste, petroleum, pollutant, or contaminant.

Date of Government Version: 05/12/2020
Date Data Arrived at EDR: 05/13/2020
Date Made Active in Reports: 07/29/2020
Number of Days to Update: 77

Source: Department of Environmental Conservation
Telephone: 518-402-9764
Last EDR Contact: 08/11/2020
Next Scheduled EDR Contact: 11/23/2020
Data Release Frequency: Semi-Annually

ERP: Environmental Restoration Program Listing

In an effort to spur the cleanup and redevelopment of brownfields, New Yorkers approved a $200 million Environmental Restoration or Brownfields Fund as part of the $1.75 billion Clean Water/Clean Air Bond Act of 1996 (1996 Bond Act). Enhancements to the program were enacted on October 7, 2003. Under the Environmental Restoration Program, the State provides grants to municipalities to reimburse up to 90 percent of on-site eligible costs and 100% of off-site eligible costs for site investigation and remediation activities. Once remediated, the property may then be reused for commercial, industrial, residential or public use.

Date of Government Version: 05/12/2020
Date Data Arrived at EDR: 05/13/2020
Date Made Active in Reports: 07/29/2020
Number of Days to Update: 77

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 08/11/2020
Next Scheduled EDR Contact: 11/23/2020
Data Release Frequency: Quarterly

**ADDITIONAL ENVIRONMENTAL RECORDS**

***Local Brownfield lists***

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 06/01/2020
Date Data Arrived at EDR: 06/02/2020
Date Made Active in Reports: 06/09/2020
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 09/15/2020
Next Scheduled EDR Contact: 12/28/2020
Data Release Frequency: Semi-Annually

***Local Lists of Landfill / Solid Waste Disposal Sites***

SWRCY: Registered Recycling Facility List

A listing of recycling facilities.

Date of Government Version: 07/01/2020
Date Data Arrived at EDR: 07/02/2020
Date Made Active in Reports: 09/22/2020
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-8678
Last EDR Contact: 09/24/2020
Next Scheduled EDR Contact: 01/11/2021
Data Release Frequency: Quarterly

SWTIRE: Registered Waste Tire Storage & Facility List

A listing of facilities registered to accept waste tires.

Date of Government Version: 02/27/2018
Date Data Arrived at EDR: 04/06/2018
Date Made Active in Reports: 06/08/2018
Number of Days to Update: 63

Source: Department of Environmental Conservation
Telephone: 518-402-8694
Last EDR Contact: 09/02/2020
Next Scheduled EDR Contact: 12/21/2020
Data Release Frequency: No Update Planned

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 10/20/2020
Next Scheduled EDR Contact: 02/08/2021
Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 10/13/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 07/31/2020
Next Scheduled EDR Contact: 11/09/2020
Data Release Frequency: Varies

***Local Lists of Hazardous waste / Contaminated Sites***

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 03/18/2020
Date Data Arrived at EDR: 03/19/2020
Date Made Active in Reports: 06/09/2020
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/19/2020
Next Scheduled EDR Contact: 12/07/2020
Data Release Frequency: No Update Planned

DEL SHWS: Delisted Registry Sites

A database listing of sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites.

Date of Government Version: 05/12/2020
Date Data Arrived at EDR: 05/13/2020
Date Made Active in Reports: 07/28/2020
Number of Days to Update: 76

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 08/11/2020
Next Scheduled EDR Contact: 11/23/2020
Data Release Frequency: Quarterly

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 03/18/2020
Date Data Arrived at EDR: 03/19/2020
Date Made Active in Reports: 06/09/2020
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/19/2020
Next Scheduled EDR Contact: 12/07/2020
Data Release Frequency: Quarterly

PFAS: PFAS Contamination Site Location Listing

DEC surveyed select businesses, fire departments, fire training centers, bulk storage facilities, airports, and Department of Defense (DoD) facilities. The responses to the survey have helped to determine if these entities used or stored materials containing PFOA/PFOS including AFFF and dispersants used in Teflon coating operations. The results of this survey will be updated periodically as additional responses are received..

Date of Government Version: 01/16/2019
Date Data Arrived at EDR: 05/08/2019
Date Made Active in Reports: 06/24/2019
Number of Days to Update: 47

Source: Department of Environmental Conservation
Telephone: 518-402-9020
Last EDR Contact: 08/06/2020
Next Scheduled EDR Contact: 11/16/2020
Data Release Frequency: Varies

***Local Lists of Registered Storage Tanks***

HIST UST: Historical Petroleum Bulk Storage Database
These facilities have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons. This database contains detailed information per site. It is no longer updated due to the sensitive nature of the information involved. See UST for more current data.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 06/02/2006
Date Made Active in Reports: 07/20/2006
Number of Days to Update: 48
Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 10/23/2006
Next Scheduled EDR Contact: 01/22/2007
Data Release Frequency: Varies

HIST AST: Historical Petroleum Bulk Storage Database
These facilities have petroleum storage capabilities in excess of 1,100 gallons and less than 400,000 gallons. This database contains detailed information per site. No longer updated due to the sensitive nature of the information involved. See AST for more current data.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 06/02/2006
Date Made Active in Reports: 07/20/2006
Number of Days to Update: 48
Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 10/23/2006
Next Scheduled EDR Contact: 01/22/2007
Data Release Frequency: No Update Planned

***Local Land Records***

LIENS: Spill Liens Information
Lien information from the Oil Spill Fund.

Date of Government Version: 05/20/2020
Date Data Arrived at EDR: 05/22/2020
Date Made Active in Reports: 08/06/2020
Number of Days to Update: 76
Source: Office of the State Comptroller
Telephone: 518-474-9034
Last EDR Contact: 08/06/2020
Next Scheduled EDR Contact: 11/16/2020
Data Release Frequency: Quarterly

LIENS 2: CERCLA Lien Information
A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 07/29/2020
Date Data Arrived at EDR: 08/03/2020
Date Made Active in Reports: 08/25/2020
Number of Days to Update: 22
Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 10/01/2020
Next Scheduled EDR Contact: 01/11/2021
Data Release Frequency: Semi-Annually

***Records of Emergency Release Reports***

HMIRS: Hazardous Materials Information Reporting System
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 06/22/2020
Date Data Arrived at EDR: 06/23/2020
Date Made Active in Reports: 09/17/2020
Number of Days to Update: 86
Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 09/22/2020
Next Scheduled EDR Contact: 01/04/2021
Data Release Frequency: Quarterly

SPILLS: Spills Information Database
Data collected on spills reported to NYSDEC as required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

Date of Government Version: 05/12/2020
Date Data Arrived at EDR: 05/13/2020
Date Made Active in Reports: 08/03/2020
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 08/11/2020
Next Scheduled EDR Contact: 11/23/2020
Data Release Frequency: Varies

HIST SPILLS: SPILLS Database

This database contains records of chemical and petroleum spill incidents. Under State law, petroleum and hazardous chemical spills that can impact the waters of the state must be reported by the spiller (and, in some cases, by anyone who has knowledge of the spills). In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY SPILLS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 07/08/2005
Date Made Active in Reports: 07/14/2005
Number of Days to Update: 6

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 07/07/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 12/14/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/12/2013
Number of Days to Update: 40

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SPILLS 80: SPILLS80 data from FirstSearch

Spills 80 includes those spill and release records available from FirstSearch databases prior to 1990. Typically, they may include chemical, oil and/or hazardous substance spills recorded before 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 80.

Date of Government Version: 11/02/2010
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 03/07/2013
Number of Days to Update: 63

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

***Other Ascertainable Records***

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 06/15/2020
Date Data Arrived at EDR: 06/22/2020
Date Made Active in Reports: 09/18/2020
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 09/22/2020
Next Scheduled EDR Contact: 01/04/2021
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 08/05/2020
Date Data Arrived at EDR: 08/13/2020
Date Made Active in Reports: 10/21/2020
Number of Days to Update: 69

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 08/13/2020
Next Scheduled EDR Contact: 11/30/2020
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 10/13/2020
Next Scheduled EDR Contact: 01/25/2021
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 10/08/2020
Next Scheduled EDR Contact: 01/18/2021
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 08/05/2020
Next Scheduled EDR Contact: 11/23/2020
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 06/15/2020
Date Data Arrived at EDR: 06/22/2020
Date Made Active in Reports: 09/10/2020
Number of Days to Update: 80

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 09/22/2020
Next Scheduled EDR Contact: 01/04/2021
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 07/31/2020
Next Scheduled EDR Contact: 11/16/2020
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 08/06/2020
Next Scheduled EDR Contact: 11/16/2020
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/17/2020
Date Made Active in Reports: 09/10/2020
Number of Days to Update: 85

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 09/18/2020
Next Scheduled EDR Contact: 12/28/2020
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 79

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 08/14/2020
Next Scheduled EDR Contact: 11/30/2020
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 07/20/2020
Date Data Arrived at EDR: 07/21/2020
Date Made Active in Reports: 10/08/2020
Number of Days to Update: 79

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 10/19/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 07/29/2020
Date Data Arrived at EDR: 08/03/2020
Date Made Active in Reports: 08/25/2020
Number of Days to Update: 22

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 10/01/2020
Next Scheduled EDR Contact: 12/14/2020
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 07/24/2020
Date Data Arrived at EDR: 08/03/2020
Date Made Active in Reports: 10/21/2020
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 10/14/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 04/27/2020
Date Data Arrived at EDR: 05/06/2020
Date Made Active in Reports: 06/09/2020
Number of Days to Update: 34

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 10/01/2020
Next Scheduled EDR Contact: 11/16/2020
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 10/09/2019
Date Data Arrived at EDR: 10/11/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 70

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 10/02/2020
Next Scheduled EDR Contact: 01/18/2021
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 10/01/2020
Next Scheduled EDR Contact: 01/18/2021
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 08/05/2020
Date Data Arrived at EDR: 08/10/2020
Date Made Active in Reports: 10/08/2020
Number of Days to Update: 59
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 10/13/2020
Next Scheduled EDR Contact: 01/31/2021
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 01/15/2020
Number of Days to Update: 42
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 09/04/2020
Next Scheduled EDR Contact: 12/14/2020
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 08/31/2020
Next Scheduled EDR Contact: 12/14/2020
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 08/06/2020
Next Scheduled EDR Contact: 11/16/2020
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 09/24/2020
Next Scheduled EDR Contact: 01/11/2021
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 07/27/2020
Next Scheduled EDR Contact: 11/09/2020
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 06/30/2020
Date Data Arrived at EDR: 07/15/2020
Date Made Active in Reports: 07/21/2020
Number of Days to Update: 6

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 10/01/2020
Next Scheduled EDR Contact: 01/18/2021
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 09/28/2017
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 09/22/2020
Next Scheduled EDR Contact: 01/04/2021
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 10/06/2020
Next Scheduled EDR Contact: 01/18/2021
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 08/08/2017
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 07/28/2020
Next Scheduled EDR Contact: 11/16/2020
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 08/21/2020
Next Scheduled EDR Contact: 11/30/2020
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 07/29/2020
Date Data Arrived at EDR: 08/03/2020
Date Made Active in Reports: 08/25/2020
Number of Days to Update: 22

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 10/01/2020
Next Scheduled EDR Contact: 01/11/2021
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100
Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data
A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100
Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

MINES VIOLATIONS: MSHA Violation Assessment Data
Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 05/28/2020
Date Data Arrived at EDR: 05/28/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 77
Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 09/10/2020
Next Scheduled EDR Contact: 12/14/2020
Data Release Frequency: Quarterly

US MINES: Mines Master Index File
Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 05/01/2020
Date Data Arrived at EDR: 05/21/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 84
Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 08/25/2020
Next Scheduled EDR Contact: 12/07/2020
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing
This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 05/06/2020
Date Data Arrived at EDR: 05/27/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 78
Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 08/28/2020
Next Scheduled EDR Contact: 12/07/2020
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing
Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97
Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 08/28/2020
Next Scheduled EDR Contact: 12/07/2020
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines
An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 06/22/2020
Date Data Arrived at EDR: 06/22/2020
Date Made Active in Reports: 09/10/2020
Number of Days to Update: 80

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 09/16/2020
Next Scheduled EDR Contact: 12/21/2020
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 02/03/2020
Date Data Arrived at EDR: 03/03/2020
Date Made Active in Reports: 05/28/2020
Number of Days to Update: 86

Source: EPA
Telephone: (212) 637-3000
Last EDR Contact: 09/15/2020
Next Scheduled EDR Contact: 12/14/2020
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 07/26/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 71

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 08/19/2020
Next Scheduled EDR Contact: 12/07/2020
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 06/27/2020
Date Data Arrived at EDR: 07/02/2020
Date Made Active in Reports: 09/28/2020
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 10/06/2020
Next Scheduled EDR Contact: 01/18/2021
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 07/02/2020
Date Made Active in Reports: 09/17/2020
Number of Days to Update: 77

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 10/08/2020
Next Scheduled EDR Contact: 01/25/2021
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 08/17/2020
Date Data Arrived at EDR: 08/17/2020
Date Made Active in Reports: 10/21/2020
Number of Days to Update: 65

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 08/17/2020
Next Scheduled EDR Contact: 11/30/2020
Data Release Frequency: Quarterly

AIRS: Air Emissions Data

Point source emissions inventory data.

Date of Government Version: 08/14/2019
Date Data Arrived at EDR: 08/14/2019
Date Made Active in Reports: 10/16/2019
Number of Days to Update: 63

Source: Department of Environmental Conservation
Telephone: 518-402-8452
Last EDR Contact: 10/14/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Annually

COAL ASH: Coal Ash Disposal Site Listing
A listing of coal ash disposal site locations.

Date of Government Version: 07/01/2020
Date Data Arrived at EDR: 07/02/2020
Date Made Active in Reports: 09/22/2020
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-8660
Last EDR Contact: 09/24/2020
Next Scheduled EDR Contact: 01/11/2021
Data Release Frequency: Quarterly

DRYCLEANERS: Registered Drycleaners
A listing of all registered drycleaning facilities.

Date of Government Version: 06/08/2020
Date Data Arrived at EDR: 06/12/2020
Date Made Active in Reports: 09/02/2020
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-8403
Last EDR Contact: 08/31/2020
Next Scheduled EDR Contact: 12/21/2020
Data Release Frequency: Annually

E DESIGNATION: E DESIGNATION SITE LISTING
The (E (Environmental)) designation would ensure that sampling and remediation take place on the subject properties, and would avoid any significant impacts related to hazardous materials at these locations. The (E) designations would require that the fee owner of the sites conduct a testing and sampling protocol, and remediation where appropriate, to the satisfaction of the NYCDEP before the issuance of a building permit by the Department of Buildings pursuant to the provisions of Section 11-15 of the Zoning Resolution (Environmental Requirements). The (E) designations also include a mandatory construction-related health and safety plan which must be approved by NYCDEP.

Date of Government Version: 02/27/2020
Date Data Arrived at EDR: 03/25/2020
Date Made Active in Reports: 06/10/2020
Number of Days to Update: 77

Source: New York City Department of City Planning
Telephone: 718-595-6658
Last EDR Contact: 09/18/2020
Next Scheduled EDR Contact: 12/28/2020
Data Release Frequency: Semi-Annually

Financial Assurance 1: Financial Assurance Information Listing
Financial assurance information.

Date of Government Version: 06/25/2020
Date Data Arrived at EDR: 06/25/2020
Date Made Active in Reports: 07/22/2020
Number of Days to Update: 27

Source: Department of Environmental Conservation
Telephone: 518-402-8660
Last EDR Contact: 10/07/2020
Next Scheduled EDR Contact: 01/11/2021
Data Release Frequency: Quarterly

Financial Assurance 2: Financial Assurance Information Listing
A listing of financial assurance information for hazardous waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 06/11/2020
Date Data Arrived at EDR: 06/16/2020
Date Made Active in Reports: 09/02/2020
Number of Days to Update: 78

Source: Department of Environmental Conservation
Telephone: 518-402-8712
Last EDR Contact: 09/02/2020
Next Scheduled EDR Contact: 12/21/2020
Data Release Frequency: Varies

HSWDS: Hazardous Substance Waste Disposal Site Inventory
The list includes any known or suspected hazardous substance waste disposal sites. Also included are sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites and non-Registry sites that U.S. EPA Preliminary Assessment (PA) reports or Site Investigation (SI) reports were prepared. Hazardous Substance Waste Disposal Sites are eligible to be Superfund sites now that the New York State Superfund has been refinanced and changed. This means that the study inventory has served its purpose and will no longer be maintained as a separate entity. The last version of the study inventory is frozen in time. The sites on the study will not automatically be made Superfund sites, rather each site will be further evaluated for listing on the Registry. So overtime they will be added to the registry or not.

Date of Government Version: 01/01/2003
Date Data Arrived at EDR: 10/20/2006
Date Made Active in Reports: 11/30/2006
Number of Days to Update: 41

Source: Department of Environmental Conservation
Telephone: 518-402-9564
Last EDR Contact: 05/26/2009
Next Scheduled EDR Contact: 08/24/2009
Data Release Frequency: No Update Planned

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 04/29/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 72

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 07/31/2020
Next Scheduled EDR Contact: 11/09/2020
Data Release Frequency: Quarterly

SPDES: State Pollutant Discharge Elimination System

New York State has a state program which has been approved by the United States Environmental Protection Agency for the control of wastewater and stormwater discharges in accordance with the Clean Water Act. Under New York State law the program is known as the State Pollutant Discharge Elimination System (SPDES) and is broader in scope than that required by the Clean Water Act in that it controls point source discharges to groundwaters as well as surface waters.

Date of Government Version: 05/12/2020
Date Data Arrived at EDR: 05/14/2020
Date Made Active in Reports: 07/31/2020
Number of Days to Update: 78

Source: Department of Environmental Conservation
Telephone: 518-402-8233
Last EDR Contact: 10/14/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: No Update Planned

VAPOR REOPENED: Vapor Intrusion Legacy Site List

New York is currently re-evaluating previous assumptions and decisions regarding the potential for soil vapor intrusion exposures at sites. As a result, all past, current, and future contaminated sites will be evaluated to determine whether these sites have the potential for exposures related to soil vapor intrusion.

Date of Government Version: 12/01/2018
Date Data Arrived at EDR: 02/13/2019
Date Made Active in Reports: 06/13/2019
Number of Days to Update: 120

Source: Department of Environmenal Conservation
Telephone: 518-402-9814
Last EDR Contact: 08/14/2020
Next Scheduled EDR Contact: 11/23/2020
Data Release Frequency: Varies

UIC: Underground Injection Control Wells

A listing of enhanced oil recovery underground injection wells.

Date of Government Version: 05/31/2020
Date Data Arrived at EDR: 06/03/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 71

Source: Department of Environmental Conservation
Telephone: 518-402-8056
Last EDR Contact: 09/01/2020
Next Scheduled EDR Contact: 12/14/2020
Data Release Frequency: Quarterly

COOLING TOWERS: Registered Cooling Towers

This data includes the location of cooling towers registered with New York State. The data is self-reported by owners/property managers of cooling towers in service in New York State. In August 2015, the New York State Department of Health released emergency regulations requiring the owners of cooling towers to register them with New York State.

Date of Government Version: 07/07/2020
Date Data Arrived at EDR: 07/14/2020
Date Made Active in Reports: 09/30/2020
Number of Days to Update: 78

Source: Department of Health
Telephone: 518-402-7650
Last EDR Contact: 10/13/2020
Next Scheduled EDR Contact: 01/25/2021
Data Release Frequency: Varies

PCS ENF: Enforcement data
No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 10/02/2020
Next Scheduled EDR Contact: 01/18/2021
Data Release Frequency: Varies

PCS INACTIVE: Listing of Inactive PCS Permits
An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 05/06/2015
Number of Days to Update: 120

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 10/02/2020
Next Scheduled EDR Contact: 01/18/2021
Data Release Frequency: Semi-Annually

PCS: Permit Compliance System
PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 10/02/2020
Next Scheduled EDR Contact: 01/18/2021
Data Release Frequency: Semi-Annually

NYC LEAD: Lead-based Paint Testing Results
The results of the inspections for all classrooms serving students under six in applicable buildings. Identifies all classrooms, whether there was observation of peeling paint, and if there was, standard response protocol was followed.

Date of Government Version: 05/28/2020
Date Data Arrived at EDR: 05/29/2020
Date Made Active in Reports: 07/02/2020
Number of Days to Update: 34

Source: New York City Department of Education
Telephone: 212-374-5141
Last EDR Contact: 08/04/2020
Next Scheduled EDR Contact: 11/16/2020
Data Release Frequency: Varies

NYC LEAD 2: Recent Lead Paint Violations
Pursuant to New York City?s Housing Maintenance Code, the Department of Housing Preservation and Development (HPD) issues violations against conditions in rental dwelling units that have been verified to violate the New York City Housing Maintenance Code (HMC) or the New York State Multiple Dwelling Law (MDL). Violations are issued when an inspection verifies that a violation of the HMC or MDL exists. It is closed when the violation is corrected, as observed/verified by HPD or as certified by the landlord.

Date of Government Version: 05/28/2020
Date Data Arrived at EDR: 06/02/2020
Date Made Active in Reports: 07/02/2020
Number of Days to Update: 30

Source: New York City Department of Housing Preservation & Development
Telephone: 212-863-8200
Last EDR Contact: 08/04/2020
Next Scheduled EDR Contact: 11/16/2020
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System
Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 08/28/2020
Next Scheduled EDR Contact: 12/07/2020
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## EDR HIGH RISK HISTORICAL RECORDS

### *EDR Exclusive Records*

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

## EDR RECOVERED GOVERNMENT ARCHIVES

### *Exclusive Recovered Govt. Archives*

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Conservation in New York.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: Department of Environmental Conservation
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Conservation in New York.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/10/2014
Number of Days to Update: 193

Source: Department of Environmental Conservation
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

**COUNTY RECORDS**

CORTLAND COUNTY:

AST - CORTLAND: Cortland County Storage Tank Listing

A listing of aboveground storage tank sites located in Cortland County.

Date of Government Version: 08/20/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 10/16/2019
Number of Days to Update: 57

Source: Cortland County Health Department
Telephone: 607-753-5035
Last EDR Contact: 10/22/2020
Next Scheduled EDR Contact: 02/08/2021
Data Release Frequency: Quarterly

UST - CORTLAND: Cortland County Storage Tank Listing

A listing of underground storage tank sites located in Cortland County.

Date of Government Version: 08/20/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 10/16/2019
Number of Days to Update: 57

Source: Cortland County Health Department
Telephone: 607-753-5035
Last EDR Contact: 10/22/2020
Next Scheduled EDR Contact: 02/08/2021
Data Release Frequency: Quarterly

NASSAU COUNTY:

AST - NASSAU: Registered Tank Database

A listing of aboveground storage tank sites located in Nassau County.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 02/15/2017
Number of Days to Update: 35

Source: Nassau County Health Department
Telephone: 516-571-3314
Last EDR Contact: 10/22/2020
Next Scheduled EDR Contact: 02/08/2021
Data Release Frequency: No Update Planned

AST NCFM: Storage Tank Database

A listing of aboveground storage tank sites located in Nassau County.

Date of Government Version: 02/15/2011
Date Data Arrived at EDR: 02/23/2011
Date Made Active in Reports: 03/29/2011
Number of Days to Update: 34

Source: Nassau County Office of the Fire Marshal
Telephone: 516-572-1000
Last EDR Contact: 10/22/2020
Next Scheduled EDR Contact: 02/08/2021
Data Release Frequency: Varies

TANKS NASSAU: Registered Tank Database in Nassau County
A listing of facilities in Nassau County with storage tanks.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 02/15/2017
Number of Days to Update: 35
Source: Nassau County Department of Health
Telephone: 516-227-9691
Last EDR Contact: 10/22/2020
Next Scheduled EDR Contact: 02/08/2021
Data Release Frequency: Varies

UST - NASSAU: Registered Tank Database
A listing of underground storage tank sites located in Nassau County.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 02/15/2017
Number of Days to Update: 35
Source: Nassau County Health Department
Telephone: 516-571-3314
Last EDR Contact: 10/22/2020
Next Scheduled EDR Contact: 02/08/2021
Data Release Frequency: No Update Planned

UST NCFM: Storage Tank Database
A listing of underground storage tank sites located in Nassau County.

Date of Government Version: 02/15/2011
Date Data Arrived at EDR: 02/23/2011
Date Made Active in Reports: 03/29/2011
Number of Days to Update: 34
Source: Nassau County Office of the Fire Marshal
Telephone: 516-572-1000
Last EDR Contact: 10/22/2020
Next Scheduled EDR Contact: 02/08/2021
Data Release Frequency: Varies

ROCKLAND COUNTY:

AST - ROCKLAND: Petroleum Bulk Storage Database
A listing of aboveground storage tank sites located in Rockland County. Rockland County?s Petroleum Bulk Storage (PBS) program is no longer in service. All related operations/duties are now wholly overseen by the New York State Dept. of Environmental Conservation (NYSDEC).

Date of Government Version: 02/02/2017
Date Data Arrived at EDR: 03/17/2017
Date Made Active in Reports: 09/22/2017
Number of Days to Update: 189
Source: Rockland County Health Department
Telephone: 914-364-2605
Last EDR Contact: 08/26/2020
Next Scheduled EDR Contact: 12/14/2020
Data Release Frequency: No Update Planned

UST - ROCKLAND: Petroleum Bulk Storage Database
A listing of underground storage tank sites located in Rockland County. Rockland County?s Petroleum Bulk Storage (PBS) program is no longer in service. All related operations/duties are now wholly overseen by the New York State Dept. of Environmental Conservation (NYSDEC).

Date of Government Version: 02/02/2017
Date Data Arrived at EDR: 03/17/2017
Date Made Active in Reports: 09/22/2017
Number of Days to Update: 189
Source: Rockland County Health Department
Telephone: 914-364-2605
Last EDR Contact: 08/26/2020
Next Scheduled EDR Contact: 12/14/2020
Data Release Frequency: No Update Planned

SUFFOLK COUNTY:

AST - SUFFOLK: Storage Tank Database
A listing of aboveground storage tank sites located in Suffolk County.

Date of Government Version: 06/28/2018
Date Data Arrived at EDR: 12/06/2018
Date Made Active in Reports: 02/07/2019
Number of Days to Update: 63
Source: Suffolk County Department of Health Services
Telephone: 631-854-2521
Last EDR Contact: 10/22/2020
Next Scheduled EDR Contact: 02/08/2021
Data Release Frequency: No Update Planned

TANKS SUFFOLK: Storage Tank Database

This county is not included in the state?s database. These are facilities that have no tank information in the storage tank database.

Date of Government Version: 06/28/2018
Date Data Arrived at EDR: 02/05/2019
Date Made Active in Reports: 03/08/2019
Number of Days to Update: 31

Source: Department of Health Services
Telephone: 631-854-2516
Last EDR Contact: 10/22/2020
Next Scheduled EDR Contact: 02/08/2021
Data Release Frequency: Varies

UST - SUFFOLK: Storage Tank Database

A listing of underground storage tank sites located in Suffolk County.

Date of Government Version: 06/28/2018
Date Data Arrived at EDR: 12/06/2018
Date Made Active in Reports: 02/07/2019
Number of Days to Update: 63

Source: Suffolk County Department of Health Services
Telephone: 631-854-2521
Last EDR Contact: 10/22/2020
Next Scheduled EDR Contact: 02/08/2021
Data Release Frequency: No Update Planned

WESTCHESTER COUNTY:

AST - WESTCHESTER: Listing of Storage Tanks

A listing of aboveground storage tank sites located in Westchester County.

Date of Government Version: 06/09/2020
Date Data Arrived at EDR: 06/09/2020
Date Made Active in Reports: 08/18/2020
Number of Days to Update: 70

Source: Westchester County Department of Health
Telephone: 914-813-5161
Last EDR Contact: 10/22/2020
Next Scheduled EDR Contact: 02/08/2021
Data Release Frequency: Semi-Annually

UST - WESTCHESTER: Listing of Storage Tanks

A listing of underground storage tank sites located in Westchester County.

Date of Government Version: 06/09/2020
Date Data Arrived at EDR: 06/09/2020
Date Made Active in Reports: 08/18/2020
Number of Days to Update: 70

Source: Westchester County Department of Health
Telephone: 914-813-5161
Last EDR Contact: 10/22/2020
Next Scheduled EDR Contact: 02/08/2021
Data Release Frequency: Semi-Annually

**OTHER DATABASE(S)**

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 05/12/2020
Date Data Arrived at EDR: 05/12/2020
Date Made Active in Reports: 07/27/2020
Number of Days to Update: 76

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 10/20/2020
Next Scheduled EDR Contact: 11/23/2020
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 10/09/2020
Next Scheduled EDR Contact: 01/18/2021
Data Release Frequency: Annually

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 10/07/2020
Next Scheduled EDR Contact: 01/25/2021
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 10/02/2019
Date Made Active in Reports: 12/10/2019
Number of Days to Update: 69

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 08/11/2020
Next Scheduled EDR Contact: 11/30/2020
Data Release Frequency: Annually

VT MANIFEST: Hazardous Waste Manifest Data
Hazardous waste manifest information.

Date of Government Version: 10/28/2019
Date Data Arrived at EDR: 10/29/2019
Date Made Active in Reports: 01/09/2020
Number of Days to Update: 72

Source: Department of Environmental Conservation
Telephone: 802-241-3443
Last EDR Contact: 10/08/2020
Next Scheduled EDR Contact: 01/25/2021
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 09/02/2020
Next Scheduled EDR Contact: 12/21/2020
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: Endeavor Business Media
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data
Source: Endeavor Business Media
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Day Care Providers
Source: Department of Health
Telephone: 212-676-2444

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Freshwater Wetlands
Source: Department of Environmental Conservation
Telephone: 518-402-8961

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

**STREET AND ADDRESS INFORMATION**

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# APPENDIX F

# OTHER DOCUMENTS

# Property Detail Report

**For Property Located At :**
**135 MAIN ST, POUGHKEEPSIE, NY 12601-3043**

## Owner Information

| | |
|---|---|
| Owner Name: | **ADMIRAL HALSEY APARTMENTS INCNOMINEE** |
| Mailing Address: | **909 3RD AVE #21, NEW YORK NY 10022-4754 C287** |
| Vesting Codes: | **/ / CO** |

## Location Information

| | | | |
|---|---|---|---|
| Legal Description: | **2.2 AC** | | |
| County: | **DUTCHESS, NY** | APN: | **131300-6062-76-911183-0000** |
| Census Tract / Block: | **2201.00 / 4** | Alternate APN: | |
| Township-Range-Sect: | | Subdivision: | |
| Legal Book/Page: | | Map Reference: | **6-62 /** |
| Legal Lot: | **911** | Tract #: | |
| Legal Block: | **76** | School District: | **131300** |
| Market Area: | | School District Name: | **POUGHKEEPSIE** |
| Neighbor Code: | **4** | Munic/Township: | **POUGHKEEPSIE CITY** |

## Owner Transfer Information

| | | | |
|---|---|---|---|
| Recording/Sale Date: | **09/28/2007 / 09/19/2007** | Deed Type: | **DEED (REG)** |
| Sale Price: | | 1st Mtg Document #: | **13639** |
| Document #: | **7084** | | |

## Last Market Sale Information

| | | | |
|---|---|---|---|
| Recording/Sale Date: | **09/28/2007 / 09/19/2007** | 1st Mtg Amount/Type: | **/** |
| Sale Price: | **$6,650,200** | 1st Mtg Int. Rate/Type: | **/** |
| Sale Type: | | 1st Mtg Document #: | |
| Document #: | **7083** | 2nd Mtg Amount/Type: | **/** |
| Deed Type: | **BARGAIN & SALE DEED** | 2nd Mtg Int. Rate/Type: | **/** |
| Transfer Document #: | | Price Per SqFt: | **$77.51** |
| New Construction: | | Multi/Split Sale: | |
| Title Company: | **ADVANTAGE TITLE AGENCY INC** | | |
| Lender: | | | |
| Seller Name: | **ADMIRAL WILLIAM F HALSEY SENIO** | | |

## Prior Sale Information

| | | | |
|---|---|---|---|
| Prior Rec/Sale Date: | **09/1974 /** | Prior Lender: | |
| Prior Sale Price: | | Prior 1st Mtg Amt/Type: | **/** |
| Prior Doc Number: | **1392-972** | Prior 1st Mtg Rate/Type: | **/** |
| Prior Deed Type: | **DEED (REG)** | | |

## Property Characteristics

| | | | | | |
|---|---|---|---|---|---|
| Gross Area: | **85,800** | Parking Type: | | Construction: | |
| Living Area: | **85,800** | Garage Area: | | Heat Type: | |
| Tot Adj Area: | | Garage Capacity: | | Exterior wall: | |
| Above Grade: | | Parking Spaces: | | Porch Type: | |
| Total Rooms: | | Basement Area: | | Patio Type: | |
| Bedrooms: | | Finish Bsmnt Area: | | Pool: | |
| Bath(F/H): | **/** | Basement Type: | | Air Cond: | |
| Year Built / Eff: | **/** | Roof Type: | | Style: | |
| Fireplace: | **/** | Foundation: | | Quality: | |
| # of Stories: | | Roof Material: | | Condition: | **AVERAGE** |
| Other Improvements: | **Building Permit** | | | | |

## Site Information

| | | | | | |
|---|---|---|---|---|---|
| Zoning: | **R-6** | Acres: | **2.20** | County Use: | |
| Lot Area: | **95,832** | Lot Width/Depth: | **676 x 142** | State Use: | **APARTMENTS (411)** |
| Land Use: | **APARTMENT** | Res/Comm Units: | **119 /** | Water Type: | **COMMERCIAL** |
| Site Influence: | | | | Sewer Type: | **COMMERCIAL** |

## Tax Information

| | | | | | |
|---|---|---|---|---|---|
| Total Value: | **$6,650,000** | Assessed Year: | **2019** | Property Tax: | |
| Land Value: | **$280,000** | Improved %: | **96%** | Tax Area: | **131300** |
| Improvement Value: | **$6,370,000** | Tax Year: | | Tax Exemption: | **NON-PROFIT AGENCIES** |
| Total Taxable Value: | | | | | |


DISCLAIMER
"This map was created for reference purposes only and is not to be construed as a "survey description". CoreLogic does not represent or warrant that this map is complete or free from error, and does not assume, and expressly disclaims, any liability to any person for loss or damage caused by errors or omissions in the map."
LEGEND:
Map Page:
County Line:
Municipality: Boundary Name Swis Code
Section: Boundary ID
Parcel: Boundary Lot ID ID Size (Acreage) Size (Frontage)
Streets: Name Centerline
APN Label Record Layout:
Section ID
Parcel ID
999999-9999-99-999999-99
Swis Code
Section ID Suffix
Parcel ID Suffix
Scale 1" = 50' (1:600)
DUTCHESS, NY
Map ID: 6062-76
Map Redaction: CoreLogic
SEE MAP 6062-67
SEE MAP 6062-68
SEE MAP 6162-61
SEE MAP 6062-75
SEE MAP 6162-69
SEE MAP 6062-83
SEE MAP 6062-84
SEE MAP 6162-84
MATCH LINE
DONEGAN PL
N CLOVER ST
CHARLES ST
MILL ST
MANSION ST
N PERRY ST
S PERRY ST
N BRIDGE ST
S BRIDGE ST
MAIN ST
LAFAYETTE PL
YASSAR ST
COLUMBUS DR
ROUTE 44
CITY OF POUGHKEEPSIE
6062-76
6062-67
6062-75
6062-83
6062-84
6162-69
881247
(Part of 6062-68-927260)
997253
(1.89 Ac.)
888192
(1.56 Ac.)
912195
(0.60 Ac.)
911183
(2.26 Ac.)
931179
(1.37 Ac.)
840167
(0.57 Ac.)
906135
(1.62 Ac.)
925155
(0.51 Ac.)
947163
(0.54 Ac.)
960159
(0.55 Ac.)
941153
(0.64 Ac.)
942131
(0.64 Ac.)
968181
(0.59 Ac.)
974190
(0.21 Ac.)
972149
(0.59 Ac.)
990149
(0.39 Ac.)
986137
(0.58 Ac.)
994166
(0.45 Ac.)
979242
(0.76 Ac.)
963215
(0.86 Ac.)
910206
(0.33 Ac.)
935196
(0.31 Ac.)
909213
(0.34 Ac.)
923230
(0.24 Ac.)
915233
(0.15 Ac.)
919232
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928226
(0.17 Ac.)
933230
(0.14 Ac.)
935225
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938224
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943226
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947224
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951232
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951235
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952238
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953241
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954244
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956249
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957252
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876214
(0.20 Ac.)
877219
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878222
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878231
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875209
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874205
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873201
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872198
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881134
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884129
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920123
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966125
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914214
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917213
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920209
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923208
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927207
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931207
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934206
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937205
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940204
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943203
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951217
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942218
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941220
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942220
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955199
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962195
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965193
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969192
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956189
(0.17 Ac.)
955186
(0.15 Ac.)
954182
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952178
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951174
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965173
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963169
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963186
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966185
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968184
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992182
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996180
(0.15 Ac.)
969178
(0.11 Ac.)
977173
(0.13 Ac.)
980171
(0.13 Ac.)
984170
(0.16 Ac.)
987168
(0.17 Ac.)
963322
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964228
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967226
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970226
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974224
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977223
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980222
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984221
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987220
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992218
(0.22 Ac.)
999216
(0.35 Ac.)
969211
(0.14 Ac.)
974210
(0.16 Ac.)
978208
(0.14 Ac.)
982206
(0.12 Ac.)
987204
(0.23 Ac.)
992202
(0.17 Ac.)
997201
(0.18 Ac.)
969246
(0.14 Ac.)
972244
(0.14 Ac.)
974244
(0.14 Ac.)
982153
(0.21 Ac.)

# FREEDOM OF INFORMATION REQUEST

TO: City of Poughkeepsie Records Access Officer

RE: City Chamberlain
**(NAME OF AGENCY OR DEPARTMENT)**

I hereby apply to inspect the following records: ***Be as specific as possible***

Records regarding above and underground storage tanks, violations and/or permits, spills and hazardous materials of environmental concern as we are conducting a Phase I Environmental Site Assessment.
Admiral Halsey Village, 135 Main Street, Poughkeepsie, NY 12601 - Block: 76, Lot: 911
APN: 131300-6062-76-911183-0000
Owner: Admiral Halsey Apartments Incnominee

Print Name: Joanne Bedkowski - Hillmann Consulting, LLC

Signature: Joanne Bedkowski, 10/19/2020

Address: 1600 Route 22 East, Suite 107, Union, NJ 07083

Phone: (908) 688-7800 Fax No. (908) 686-2636

Email Address: jbedkowski@hillmanngroup.com

(OFFICE USE ONLY)

Date Received: _____

SIGNATURE TITLE

Approved Denied in Whole Denied in Part

Reason for Denial _____

SIGNATURE TITLE DATE

A person denied access has the right to appeal. Please note that requests for appeals must be made in writing within 30 days of the denial to the Appeals Officer, who is the Finance Commissioner. Mail your request to:

**City of Poughkeepsie, City Chamberlain**
62 Civic Center Plaza
Poughkeepsie, New York, 12601
Fax (845) 451-4239

* * * Communication Result Report ( Oct. 19. 2020 5:57PM ) * * *

1)
2)

Date/Time: Oct. 19. 2020 5:57PM

| File No. | Mode | Destination | Pg(s) | Result | Page Not Sent |
|---|---|---|---|---|---|
| 1809 | Memory TX | 18454514239 | P. 1 | OK | |

Reason for error
E. 1) Hang up or line fail
E. 2) Busy
E. 3) No answer
E. 4) No facsimile connection
E. 5) Exceeded max. E-mail size
E. 6) Destination does not support IP-Fax

**FREEDOM OF INFORMATION REQUEST**

TO: City of Poughkeepsie Records Access Officer

RE: City Chamberlain
**(NAME OF AGENCY OR DEPARTMENT)**

I hereby apply to inspect the following records: ***Be as specific as possible***

Records regarding above and underground storage tanks, violations and/or permits, spills and hazardous materials of environmental concern as we are conducting a Phase I Environmental Site Assessment.
Admiral Halsey Village, 135 Main Street, Poughkeepsie, NY 12601 - Block: 76, Lot: 911
APN: 131300-6062-76-811183-0000
Owner: Admiral Halsey Apartments Incorporated

Print Name: Jeanne Bedkowski - Hillmann Consulting, LLC

Signature: Joanne Bedkowski, 10/19/2020

Address: 1600 Route 22 East, Suite 107, Union, NJ 07083

Phone: (908) 686-7600 Fax No. (908) 686-2636

Email Address: jbedkowski@hillmanngroup.com

{OFFICE USE ONLY}

Date Received: _____

SIGNATURE TITLE

Approved Denied in Whole Denied in Part

Reason for Denial _____

SIGNATURE TITLE DATE

A person denied access has the right to appeal. Please note that requests for appeals must be made in writing within 30 days of the denial to the Appeals Officer, who is the Finance Commissioner. Mail your request to:

**City of Poughkeepsie, City Chamberlain**
62 Civic Center Plaza
Poughkeepsie, New York, 12601
Fax (845) 451-4239

**Joanne Bedkowski**

| | |
|---|---|
| **From:** | Joanne Bedkowski |
| **Sent:** | Monday, October 19, 2020 6:01 PM |
| **To:** | 'healthinfo@dutchessny.gov' |
| **Subject:** | Application for Access to Records - 135 Main Street, Poughkeepsie, NY (My ref# Z3-4631) |
| **Attachments:** | Application for Access to Records - 135 Main Street, Poughkeepsie, NY (My ref# Z3-4631).pdf |

Dutchess County Department Of Health
Attn: Health Coordinator
85 Civic Center Plaza, Suite 106
Poughkeepsie, NY 12601

Hello Health Coordinator,

Attached is our Application for Access to Records for the property of Admiral Halsey Village, 135 Main Street, Poughkeepsie, NY (My ref# Z3-4631). Thank you!

Thank you
Joanne Bedkowski
Project Coordinator

Hillmann Consulting, LLC
1600 Route 22 East, Suite #107
Union, New Jersey 07083
Phone: (908) 688-7800 x202
Fax: (908) 686-2636

jbedkowski@hillmannconsulting.com
www.hillmannconsulting.com

Great Place To Work. Certified MAR 2020-MAR 2021 USA
Inc 5000
Best Workplaces
Great Place To Work.

DUTCHESS COUNTY DEPARTMENT OF HEALTH
85 Civic Center Plaza, Suite 106
Poughkeepsie, NY 12601
845-486-3404/Fax 845-486-3545
E-mail Address: healthinfo@dutchessny.gov

# Application for Access to Records

## SECTION A. APPLICANT

Date: 10/19/2020

Applicant Name: Joanne Bedkowski - Hillmann Consulting, LLC

Street Address: 1600 Route 22 East, Suite 107

City, St, Zip Code: Union, NJ 07083

Phone Number: 908-688-7800 Fax Number: 908-686-2636

E-mail Address: jbedkowski@hillmanngroup.com

## SECTION B. RECORDS REQUESTED

Specific Name: _____ Municipality: Poughkeepsie City

Tax Map #: 131300 -6062-76 -911183 -0000

NOTE: If a radial search is requested, indicate a distance in feet (maximum of 500 ft.) from the referenced tax map number: _____ ft.

Remarks:

We are requesting records regarding above and underground storage tanks, permits and/or violations, spills and hazardous materials of environmental concern as we are conducting an environmental Site Assessment for the property of Admiral Halsey Village, 135 Main Street, Poughkeepsie, NY 12601- Block: 76, Lot: 911.
APN/Tax ID: 131300-6062-76-911183-0000
~~Owner: Admiral Halsey Apartments Inc~~nominee

## SECTION C. FOR HEALTH DEPARTMENT USE ONLY

Date: _____ Request Reviewed By: _____

Records Located:

☐ Application approved
☐ Application denied

____ Confidential disclosure
____ Unwarranted invasion of personal privacy
____ Record is exempted by statute
____ Part of investigatory file
____ Record is not maintained
____ Other (specify) _____

HD-FOIL1 (November 18, 2013) Side 1

**DUTCHESS COUNTY DEPARTMENT OF HEALTH**
**Environmental Health Services**

Application Request to Access Records

An application for access to records can be made in writing by e-mail, fax, letter or in person, in a manner and on a form acceptable to the Department, at the Dutchess County Department of Health, Environmental Health Services, 1st floor, 85 Civic Center Plaza, Suite 106, Poughkeepsie, NY 12601.

Records are available for inspection and copying from 9 a.m. to 4 p.m., Monday through Friday, exclusive of holidays, Saturdays and Sundays or a day on which Dutchess County government is otherwise closed for business at the Dutchess County Department of Health, Environmental Health Services, 1st floor, 85 Civic Center Plaza, Suite 106, Poughkeepsie NY 12601. There shall be a limit of one hour per day per person for inspection of records provided; however, the Records Access Officer, at his/her discretion, for good cause, may extend such time limitation. The fee for copies is twenty-five cents per photocopy, not in excess of 9" x 14". Additional fees may be charged for larger size documents and for postage and/or handling. Applicants may request that all records in a file be copied and sent to them. The applicant will be informed of the cost for reproduction, handling, postage and shipping and must pay the costs prior to a release of the records.

Special note: Applicants are required to present themselves at the Dutchess County Department of Health, Environmental Health Services, 1st floor, 85 Civic Center Plaza, Suite 106, Poughkeepsie NY to review and copy records.

If the records sought to be inspected or reproduced are:

1. being inspected by another person; or
2. in the process of preparation; or
3. being used in official business; or
4. if the requested inspection would unreasonably interfere with or disrupt office duties or business operations, the Records Access Officer shall so inform the person and specify a reasonable time when such records may be inspected or reproduced.

An applicant has the right to appeal a denial of access to records to the Records Appeal Officer, County Attorney's office, 22 Market Street, Poughkeepsie NY, 12601, within 30 days from receipt of the denial.

Records are maintained and accessed by a tax map number, specific file name, project or premises and program. All of this information must be provided when making application. The list of programs is as follows:

Environmental Radiation/x-ray
State & Local Institutions
Hotels/Motels
Public Functions
Bathing Beaches
Individual Water
Realty Subdivisions
Residential housing complaints
Lead Poisoning
Child Care Facilities
Chemical Emergencies
Indoor Air
Public Water Supply
Smoking & Tobacco Restrictions (mo/yr)
Rabies control/animal bites (mo/yr)
Solid Waste Management Facilities
Hazardous Materials
Petroleum spills
Farm Worker Housing
Food Protection
Children's Camps
Campsites/Parks
Swimming Pools
Individual residential sewage, less than 1000 gallons/day, less than 5 lots
Well permits
Mobile Home Parks
Rooming & Boarding Homes
Nuisances
Occupational Health
Hazardous Waste Disposal sites
Environmental Health Assessment
SEQRA review
Public/Communal Sewage, 1000 GPD+
Commercial sewage, less than 1000 GPD
Offensive material, septage & sludge
Industrial Wastes

Note: Within five business days of the receipt of a written request for a record reasonably described, the agency must make the record available, deny access in writing giving the reasons for denial or furnish a written acknowledgement of the receipt of the request and a statement of the approximate date when the request will be granted or denied. [§ 88, Public Officers Law]

Sabrina Jaar Marzouka, JD, MPH
Assistant Commissioner for Administration

# Public Records Center

## Public Records Menu

- Home
- FAQs
- Submit a Request
- My Request Center

## FAQs

See All FAQs

- How to contact NYSDEC about FOIL?
- Response time to my FOIL request?
- Exceptions to disclosing records?
- Fees I have to pay?
- Can I inspect documents first?
- Processing of my request?
- How I pay fees?
- How do I appeal a denial of access?

View Message(s)

**Request Type:** Freedom of Information Law Request

**Description:** A FOIL request is a request for any "record" under NY's Freedom of Information Law (Article 6 of the Public Officers Law). Section 86 defines a "record" as: "any information kept, held, filed, produced or reproduced by, with or for an agency or the state legislature, in any physical form whatsoeve including, but not limited to, reports, statements, examinations, memoranda, opinions, folders, files, books, manuals, pamphlets, forms, papers, designs, drawings, maps, photos, letters, microfilms, computer tapes or discs, rules, regulations or codes. NYSDEC maintains records in a variety of forms, o media, such as in hard copy (or paper), as recordings, as photographs, in electronic form etc.

**Contact E-Mail:** jbedkowski@hillmanngroup.co

**Reference No:** W074112-101920

---

**Type of Record(s) Requested:** Other

**Description of Record(s) Requested:** Records regarding above and underground storage tanks, permits and/or violations, spills, hazardous material and any othe information of environmental concern as we are conducting a

Powered by GovQA

Phase I Environmental Site Assessment. (My ref#: Z3-4631), Admiral Halsey Village, 135 Main Street, Poughkeepsie, NY 12601 Block: 76, Lot: 911, APN/Parcel ID 131300-6062-76-911183-0000, Owner: Admiral Halsey Apartmer Incnominee

**NYSDEC Office processing the Request:**

Region 3: (Lower Hudson Valley) Covers the counties of: Dutchess, Orange, Putnam, Rockland, Sullivan, Ulster and Westchester

**If your request pertains to ju one Region, select that Regio If your request pertains to more than one Region, select Central Office. If you're unsu which Region your request pertains to, select Central Office. The Department will route your request to the appropriate Region(s)**

**Preferred Method to Receive Records:**

Electronic copies

**NYSDEC will use its best effor to provide records via the method you select. However, in some cases a particular delivery method is not feasib In such cases NYSDEC will deliver the records via an alternative method**

Please note not all public documents are available in electronic format. If the docume (s) requested are not available electronically, we will make them available for inspecti or by paper copy in accordance with the Public Records Law.

New Message Cancel

Messages 2 Print Messages (PI

On 10/19/2020 5:04:16 PM, New York DEC Support wrote:

Dear Joanne:

Thank you for your Freedom of Information Law (FOIL) request. Your request has been received and is being processed. Your request was received in this office on 10/19/2020 and given the reference number FOIL #W074112-101920 for tracking

GovQA

purposes. You may expect the Department's response to your request no later than **11/18/2020**.

Record Requested: **Records regarding above and underground storage tanks, permits and/or violations, spills, hazardous material and any other information of environmental concern as we are conducting a Phase I Environmental Site Assessment. (My ref#: Z3-4631), Admiral Halsey Village, 135 Main Street, Poughkeepsie, NY 12601 - Block: 76, Lot: 911, APN/Parcel ID#: 131300-6062-76-911183-0000, Owner: Admiral Halsey Apartments Incnominee**

You can monitor the progress of your request at the link below and you'll receive an email when your request has been completed. Again, thank you for using the FOIL Center.

Please note that due to the COVID-19 outbreak, DEC may be experiencing staffing shortages and some records custodians may be working remotely. This may result in a delayed response time to your FOIL request. We appreciate your understanding and cooperation.

https://mycusthelp.com/NEWYORKDEC/_rs/RequestLogin.aspx

New York State Department of Environmental Conservation, Record Access Office

---

Track the issue status and respond at:
https://newyorkdec.mycusthelp.com/webapp//_rs/RequestEdit.aspx?rid=74112

> On 10/19/2020 5:04:15 PM, Ms. Joanne Bedkowski wrote:

Powered by GovQA

DUTCHESS COUNTY DEPARTMENT OF
BEHAVIORAL & COMMUNITY HEALTH
ENVIRONMENTAL HEALTH SERVICES
85 CIVIC CENTER PLAZA, SUITE 106
POUGHKEEPSIE, NY 12601
TELEPHONE # (845) 486-3404
FAX #: (845) 486-3545

October 20, 2020

Joanne Bedkowski
1600 Rt 22 East, Suite 107
Union, NJ 07083

Re: FREEDOM OF INFORMATION LAW (FOIL)
31-6062-76-911183

Dear Sir or Madam:

This will acknowledge that we received your request in the above matter.

We have found no records which match your request.

Thank you.

Sincerely,

Anne Scalzo
Administrative Assistant
Environmental Health Services

## Joanne Bedkowski

**From:** Scalzo, Anne <ascalzo@dutchessny.gov>
**Sent:** Tuesday, October 20, 2020 9:16 AM
**To:** Joanne Bedkowski
**Subject:** Foil Request

All we have on this property are closed housing complaints ex. “no heat”
We do not have UST’s , splls etc. Please contact the New York State Dept of Environmental Conservation.

**Anne Scalzo**
**Administrative Assistant**
**Environmental Health Services**
**Department of Behavioral & Community Health**
85 Civic Center Plaza, Suite 106
Poughkeepsie, NY 12601
Phone: (845) 486-3471 Fax: (845) 486-3545 TTY:(845) 486-3417
Email: ascalzo@dutchessny.gov
www.dutchessny.gov

## Joanne Bedkowski

**From:** New York DEC Support <newyorkdec@mycusthelp.net>
**Sent:** Friday, October 23, 2020 11:45 AM
**To:** Joanne Bedkowski
**Subject:** Freedom of Information Law Request :: W074112-101920

--- Please respond above this line ---

Region 3 - New Paltz
P: 845 256-3154 | F:
www.dec.ny.gov

RE: PUBLIC RECORDS REQUEST of 10/19/2020, Reference # W074112-101920

Date: 10/23/2020

Dear Ms. Joanne Bedkowski,

I write in response to your Freedom of Information Law (FOIL) request seeking:

> *Records regarding above and underground storage tanks, permits and/or violations, spills, hazardous material and any other information of environmental concern as we are conducting a Phase I Environmental Site Assessment. (My ref#: Z3-4631), Admiral Halsey Village, 135 Main Street, Poughkeepsie, NY 12601 - Block: 76, Lot: 911, APN/Parcel ID#: 131300-6062-76-911183-0000, Owner: Admiral Halsey Apartments Incnominee*

No files were found responsive to the address requested for hazardous waste remediation. If I can be of further assistance, please contact me at 845 633-5463 and reference FOIL #W074112-101920, or simply reply to this email. Thank you.

Sincerely,
Michael Kilmer
Region 3 Hazardous Waste Remediation

**Joanne Bedkowski**

**From:** Rodriguez, Kathy <KRodriguez@cityofpoughkeepsie.com>
**Sent:** Tuesday, October 20, 2020 9:07 AM
**To:** Joanne Bedkowski
**Subject:** 135 Main Street - FOIL Request
**Attachments:** 20201020084739359.pdf

Good Morning,

We are in receipt of your FOIL request. The file is available for viewing by appointment only. Please visit the City's website (cityofpoughkeepsie.com), and under the Building Department page you can schedule your appointment.

Thank you

-----Original Message-----
From: Machine, copy
Sent: Tuesday, October 20, 2020 8:48 AM
To: Rodriguez, Kathy <KRodriguez@cityofpoughkeepsie.com>
Subject: Message from "RNP002673D43329"

This E-mail was sent from "RNP002673D43329" (MP 6055).

Scan Date: 10.20.2020 08:47:39 (-0400)
Queries to: cmachine@cityofpoughkeepsie.com

CITY OF POUGHKEEPSIE
CITY CHAMBERLAIN
2020 OCT 20 AM 8:06

# FREEDOM OF INFORMATION REQUEST

TO: City of Poughkeepsie Records Access Officer

RE: ~~City Chamberlain~~ Building Dept / DPW
**(NAME OF AGENCY OR DEPARTMENT)**

I hereby apply to inspect the following records: ***Be as specific as possible***

Records regarding above and underground storage tanks, violations and/or permits, spills and hazardous materials of environmental concern as we are conducting a Phase I Environmental Site Assessment.
Admiral Halsey Village, 136 Main Street, Poughkeepsie, NY 12601 - Block: 76, Lot: 911
APN: 131300-6062-76-911183-0000
Owner: Admiral Halsey Apartments Incnominee

Print Name: Joanne Bedkowski - Hillmann Consulting, LLC

Signature: Joanne Bedkowski 10/19/2020

Address: 1600 Route 22 East, Suite 107, Union, NJ 07083

Phone: (908) 688-7800 Fax No. (908) 686-2636

Email Address: jbedkowski@hillmanngroup.com

(OFFICE USE ONLY)

Date Received: October 20 2020

Joshua M DeLuca - Deputy Chamberlain
SIGNATURE TITLE

Approved Denied in Whole Denied in Part

Reason for Denial

SIGNATURE TITLE DATE

A person denied access has the right to appeal. Please note that requests for appeals must be made in writing within 30 days of the denial to the Appeals Officer, who is the Finance Commissioner. Mail your request to:

**City of Poughkeepsie, City Chamberlain**
62 Civic Center Plaza
Poughkeepsie, New York, 12601
**Fax (845) 451-4239**

# Annual Drinking Water Quality Report for 2019
## Poughkeepsies' Water Treatment Facility
## 3431 North Road, Poughkeepsie NY 12601
## Public Water Supply NY1302774

### INTRODUCTION

The Poughkeepsies' Water Treatment Facility, which is owned and operated by the City and Town of Poughkeepsie, provides drinking water to 80,000 individuals within the City of Poughkeepsie, Town of Poughkeepsie, the Dutchess County Water Authority, and the Town of Hyde Park. To comply with State regulations, The Poughkeepsies' Water Treatment Facility annually issues this report describing the quality of your drinking water. The purpose of this report is to raise your understanding of drinking water and awareness of the need to protect our drinking water sources. Last year, your tap water met all State drinking water health standards. We are proud to report that our system did not violate a maximum contaminant level or any other water quality standard. This report provides an overview of last year's water quality. Included are details about where your water comes from, what it contains, and how it compares to State standards.

If you have any questions about this report or concerning your drinking water, please contact Randy Alstadt, Water Plant Administrator, Poughkeepsies' Water Treatment Facility at 451-4173 x2003 or the Dutchess County Department of Behavioral & Community Health, 85 Civic Center Plaza, Suite 106, Poughkeepsie 12601 at 486-3404. If you want to learn more, please attend any of our regularly scheduled Joint Water Board meetings. The meetings are held the first Tuesday of every month at the Water Treatment Facility. Minutes and information reviewed at those meetings are available on our web site www.pokwater.com. For additional information you may also visit EPA's drinking water web site (*www.epa.gov/safewater/*) and the New York State Department of Health's web site (*www.health.state.ny.us).*

The tables in this report contain various water quality parameters and the concentration of contaminates detected along with the possible source. A copy of this report and the complete list and results of organic and inorganic contaminates tested throughout the 2019 year can be obtained by contacting Water Plant Administrator, Randy Alstadt at 451-4173 x2003. We are pleased to present to you the 2019 Annual Water Quality Report.

### Where does our water come from?

In general, the sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and can pick up substances resulting from the presence of animals or from human activities. Contaminants that may be present in source water include: microbial contaminants; inorganic contaminants; pesticides and herbicides; organic chemical contaminants; and radioactive contaminants. In order to ensure that tap water is safe to drink, the State and the EPA prescribe regulations which limit the amount of certain contaminants in water provided by public water systems and require monitoring for the contaminants. The State Health Department's and the FDA's regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

Our water source is the Hudson River, which originates from the north in the Adirondacks at Lake Tear of the Clouds, located on the southwest shoulder of Mount Marcy; New York State's highest peak. The Hudson River Watershed is very expansive, covering nearly 12,500 square miles, of which the majority is within New York State, however, small portions are located in Vermont, Massachusetts, Connecticut and New Jersey. Raw water is taken from the Hudson River adjacent to our treatment plant, approximately 1,000 feet from shore at a depth of 48 feet below the mean river elevation. Water quality tests have shown the river to be of very high quality. During 2019, our system did not experience any restriction of our water source.

### Water Treatment

The Poughkeepsies' Water Treatment Facility utilizes a conventional, state of the art, filtration process to treat the water supply. This process includes chemical application of polyaluminum chloride to stabilize the small particles in the raw water supply. Once stabilized the particles are combined with an organic polymer and previously settled solids, then slowly mixed to form larger particles. The larger particles are then removed through settling. Occasionally carbon dioxide is added prior to this process to aid coagulation for enhanced removal of organic compounds. Following the settling process, ozone is added to assist in the breakdown of organic compounds. The water is then passed through filters made of biologically activated carbon and sand. These filters help polish the water and reduce the organic compounds that can cause disinfection byproducts when water

is chlorinated. Disinfection, the process used to kill disease-producing organisms, is accomplished through application of ultraviolet light followed by a carefully monitored chlorination process. Post treatment includes the addition of phosphoric acid and sodium hydroxide. Phosphoric acid is added at 2.3 mg/L to reduce corrosion of customer's lead piping and fixtures. Sodium hydroxide is added when necessary to increase the treated water to a pH of 7.7 in effort to minimize corrosion of pipes within the distribution system and customers plumbing.

The ozone treatment and biologically activated carbon filters were added to the treatment process in the 2016 plant upgrade. The upgrades have resulted in reduced disinfection byproducts in the finished water.

## Facts and Figures

The Poughkeepsies' Water Treatment Facility, which is located along the Hudson River within the Marist College Campus on Route 9, was constructed in 1962 and upgraded in 2004 and 2016. The Facility is currently rated at a maximum production capacity of 19.3 million gallons per day (MGD).

In 2019, the treatment facility produced 3,742,517,000 gallons of potable water, approximately 10.25 MGD. Total billed water to the City was 1,641,117,000 gallons (4.5 MGD) while gallons billed to the Town of Poughkeepsie was 2,101,400,000 (5.8 MGD). The cost of production in 2019 was $1.26 per 1,000 gallons. This equates to 10 gallons of water for one penny!

## Are There Contaminants in our Drinking Water?

To insure maximum water quality for our customers, the Poughkeepsies' Water Treatment Facility staff monitors source, treated and distribution water daily. In addition to continuous plant effluent monitoring for turbidity, chlorine residuals, and pH, approximately 29,660 water quality tests were conducted by the water plant staff in 2019. Operators at our facility analyzed chlorine residual, effluent turbidity and pH 12 times daily or combined or 13,140 analyses. In addition, orthophosphate was analyzed 730 times or twice daily. Additional analyses performed on raw water, plant effluent, and/or distribution system samples included inorganic compounds (metals), volatile organic compounds, total trihalomethanes, haloacetic acids, and synthetic organic compounds. The table presented in this report depicts which compounds were detected in your drinking water.

It should be noted that all drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the EPA's Safe Drinking Water Hotline (800-426-4791) or the Dutchess County Department of Behavioral & Community Health at 486-3404.

## Salt Front

Our water is taken from the Hudson River Estuary, which is subject to increased chloride and sodium levels during low rainfall periods. In 2019, the facility did not experience a salt front episode (defined by USGS as chloride levels exceeding 100 mg/L). Our plant effluent was tested for sodium 14 times in 2019 with values ranging from 19.3 mg/L to 32.9 mg/L and an average of 27.3 mg/L. If specific conductivity triggers were met, additional sodium analysis would have taken place.

During normal water years the sodium level varies from 15 – 25 mg/L with higher levels occurring during periods of low rainfall. **Customers that are on a salt restricted diet should consult with their physician concerning sodium in their drinking water.** Information concerning sodium levels in your water can be obtained at any time by contacting the Water Plant Administrator, Randy Alstadt at 451-4173 x 2003.

## Hardness

The water obtained from the Hudson River is considered moderately hard. The average hardness of the plant effluent in 2019 was 66.5 mg/L or 3.88 grains/gallon.

# Poughkeepsies' Water Treatment Facility
# Table of Detected Contaminants 2019

| Contaminant | Violation Yes/No | Sample Date(s) | Level Detected | Unit of Measure-ment | MCLG | Regulatory Limit | Likely Source of Contamination |
|---|---|---|---|---|---|---|---|
| **Plant Effluent - Inorganic Contaminants** | | | | | | | |
| Orthophosphate (reported as Phosphorus) | N/A | 2 per day | Average = 0.627 Range = 0.036 to 1.21 | mg/L | N/A | N/A | Orthophosphate is added at the Poughkeepsies' Water Treatment Facility to inhibit corrosion of lead piping in the distribution system. |
| Turbidity (Plant Effluent) | No | Continuous Monitoring | Average = 0.036 Range = 0.020 to 0.114 | NTU | N/A | MCL = 1 NTU monthly average[1] MCL = 5 NTU two day average | Soil runoff |
| Turbidity (Filter Effluent) | No | Continuous Monitoring | Average = 0.0307 Range = 0.015 to 0.261 | NTU | N/A | TT = 95% of samples < 0.3 NTU[2] | Soil runoff |
| Aluminum | No | 1 per week | Average = 31.2 Range = ND to 76.4 | ug/L | 200 | N/A | Erosion of natural deposits; discharge of drilling wastes; discharge from metal refineries |
| Barium | No | 8/29/19 | 0.0204 | mg/L | 2 | MCL = 2 | Erosion of natural deposits; discharge of drilling wastes; discharge from metal refineries |
| Bromate | No | Monthly | Average = 3.2 Range = ND to 7.5[3] | ug/L | N/A | MCL = 10 | By-product of drinking water disinfection at treatment plants using Ozone. |
| Chloride | No | 8/29/19 | 53.6 | mg/L | 250 | N/A | Naturally occurring or indicative of road salt contamination |
| Nitrate | No | 8/29/19 | 0.31 | mg/L | 10 | MCL = 10 | Runoff from fertilizer, Leaking septic tanks, sewage, erosion of natural deposits |
| Sodium | No | Monthly | Average = 27.3 Range = 19.3 to 32.9 | mg/L | N/A | N/A[3] | Naturally occurring; Road salt; Water softeners; Animal waste |
| Sulfate | No | 8/29/19 | 17.3 | mg/L | N/A | MCL = 250 | Naturally occurring |
| **Plant Effluent - Disinfectants** | | | | | | | |
| Free Chlorine Residual | No | Continuous Monitoring | Average = 2.29 Range = 1.69 to 2.99 | mg/L | N/A | MCL = 4[4] | Water additive used to control microbes. |
| **Plant Effluent - Disinfection Byproducts** | | | | | | | |
| Total Trihalomethanes (chloroform, bromo-dichloromethane, dibromochloro-methane, and bromoform) | No | 02/13/19 05/22/19 08/15/19 11/13/19 | Average = 6.1 Range = 2.0 to 10.7 | ug/L | N/A | MCL = 80 for four-quarter average | By-product of drinking water chlorination needed to kill harmful organisms. TTHMs are formed when source water contains large amounts of organic matter. |
| Haloacetic Acids (mono-, di-, and trichloroacetic acid, and mono- and di-bromoacetic acid) | No | 02/13/19 05/22/19 08/15/19 11/13/19 | Average = 5.7 Range = 4.3 to 8.7 | ug/L | N/A | MCL = 60 for four-quarter average | By-product of drinking water disinfection needed to kill harmful organisms. |
| **Plant Effluent - Radioactive Contaminants** | | | | | | | |
| Gross Alpha Plant Effluent | No | 8/28/19 | 0.049 | pCi/L | 0 | MCL = 15 | Erosion of natural deposits. |
| Gross Beta | No | 8/28/19 | 1.67 | pCi/L | 0 | MCL = 50[5] | Decay of natural deposits and man-made emissions. |
| Radium-226 | No | 8/28/19 | 0.543 | pCi/L | 0 | MCL = 5 | Erosion of natural deposits. |
| Radium-228 | No | 8/28/19 | 0.145 | pCi/L | 0 | MCL = 5 | Erosion of natural deposits. |
| Uranium | No | 8/28/19 | 0.137 | ug/L | 0 | MCL = 30 | Erosion of natural deposits. |
| **Raw Water - Radioactive Contaminants** | | | | | | | |
| Gross Alpha | No | 4/11/18 7/6/18 10/4/18 | Average = 3.71 Range = ND to 6.33 | pCi/L | 0 | MCL = 15 | Erosion of natural deposits. |
| Gross Beta | No | 4/11/18 7/6/18 10/4/18 | Average = 4.815 Range = ND to 8.89 | pCi/L | 0 | MCL = 50[5] | Decay of natural deposits and man-made emissions. |
| Uranium | No | 4/11/18 7/6/18 10/4/18 | Average = 0.221 Range = 0.191 to 0.246 | ug/L | 0 | MCL = 30 | Erosion of natural deposits. |

1. Turbidity is a measure of the cloudiness of the water. We test it because it is a good indicator of the effectiveness of our filtration system. Our highest single turbidity measurement on the plant effluent (0.114 NTU) occurred on 7/11/19. An MCL violation occurs when the average of all daily entry point analyses for the month exceed the MCL of 1 NTU or when the daily two-day average exceeds 5 NTU.
2. The turbidity of each filter is monitored to determine treatment compliance. State regulations require that turbidity must always be below

1 NTU. State regulations require that 95% of samples are below 0.3 NTU. In 2019, 100% of samples were less than 0.3 NTU. The highest filter turbidity reading (0.261 NTU) occurred on 11/08/19.

3. Water containing more than 20 mg/L of sodium should not be used for drinking by people on severely restricted sodium diets. Water containing more than 270 mg/L of sodium should not be used for drinking by people on moderately restricted sodium diets.
4. Value presented represents the Maximum Residual Disinfectant Level (MRDL) which is a level of disinfectant added for water treatment that may not be exceeded at the consumer's tap without an unacceptable possibility of adverse health effects.
5. The State considers 50 pCi/L to be the level of concern for beta particles.

**Table Definitions**

**NYSDOH:** New York State Department of Health
**USEPA:** United States Environmental Protection Agency
**MCL (Maximum Contaminant Level):** The highest level of a contaminant that is allowed in the drinking water.
**MCLG (Maximum Contaminant Level Goal):** The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLG's allow for a margin of safety.
**MRDL (Maximum Residual Disinfectant Level)**: The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.
**MRDLG (Maximum Residual Disinfectant Level Goal)**: The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contamination.
**NTU (Nephelometric Turbidity Unit):** A measure of the clarity of the water. Turbidity in excess of 5.0 NTU is just noticeable to the average person.
**TT:** Treatment Technique
**N/A:** Not Applicable
**ND:** Not Detected
**mg/L (milligrams per liter):** Corresponds to one mass part in one million parts of another liquid (parts per million)
**µg/L (micrograms per liter):** Corresponds to one mass part in one billion parts of another liquid (parts per billion)
**pCi/L (Picocuries per liter):** A measure of the radioactivity in water.
**mrem/yr (millirems per year):** A measure of radiation absorbed by the body.

## Lead in Your Drinking Water

The facility adds phosphoric acid at 2.3 mg/L to the treated water in order to protect lead plumbing in customer's homes. This program has resulted in significantly reducing lead levels in most homes.

Lead present at elevated levels can cause serious health problems, especially for pregnant women, infants, and young children. It is possible that lead levels at your home may be higher than at other homes in the community as a result of materials used in your home's plumbing. The Poughkeepsies' Water Treatment Facility is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. Potential exposure to lead in drinking water can be minimized by running the water from the tap for 30 seconds to 2 minuets before using it for drinking or cooking, especially if it has been unused for several hours. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline (1-800-426-4791) or at www.epa.gov/safewater/lead.

## What Does This Information Mean?

As you can see by the table, our system had no violations. We have learned through our testing that some contaminants have been detected; however, these contaminants were detected below the level allowed by the State.

## Is Our Water System Meeting Other Rules That Govern Operations?

During 2019, our system was in compliance with applicable State drinking water operating, monitoring and reporting requirements.

## Do I Need to Take Special Precautions?

Although our drinking water met or exceeded state and federal regulations, some people may be more vulnerable to disease causing microorganisms or pathogens in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice from their health care provider about their drinking water. EPA/CDC

guidelines on appropriate means to lessen the risk of infection by Cryptosporidium, Giardia and other microbial pathogens are available from the Safe Drinking Water Hotline (800-426-4791).

## Why Save Water and How to Avoid Wasting It?

Although our water source has an adequate amount of water to meet present and future demands, there are a number of reasons why it is important to conserve water:

- Saving water reduces the cost of energy required to pump water and the need to construct costly new wells, pumping systems and water towers; and
- Saving water lessens the strain on the water system during a dry spell or drought, helping to avoid severe water use restrictions so that essential fire fighting needs are met.

You can play a role in conserving water by becoming conscious of the amount of water your household is using, and by looking for ways to use less whenever you can. It is not hard to conserve water. Conservation tips include:

- Automatic dishwashers use 15 gallons for every cycle, regardless of how many dishes are loaded. So get a run for your money and load it to capacity.
- Turn off the tap when brushing your teeth.
- Check every faucet in your home for leaks. Just a slow drip can waste 15 to 20 gallons a day. Fix it up and you can save almost 6,000 gallons per year.
- Check your toilets for leaks by putting a few drops of food coloring in the tank, watch for a few minutes to see if the color shows up in the bowl. It is not uncommon to lose up to 100 gallons a day from one of these otherwise invisible toilet leaks. Fix it and you save more than 30,000 gallons a year.
- Use your water meter to detect hidden leaks. Simply turn off all taps and water using appliances, then check the meter after 15 minutes, if it moved, you have a leak.

*Thank you for allowing us to continue to provide your family with quality drinking water this year. We ask that all our customers help us protect our water sources, which are the heart of our community and our way of life.*

# APPENDIX G

# PROJECT PERSONNEL QUALIFICATIONS

HILLMANN CONSULTING

# Chris Hirschmann, CHMM

Director, Environmental Services

**EDUCATION:**

B.S. Environmental Science, Cornell University

M.S., Environmental Science, NJIT – Rutgers University

**CERTIFICATION:**

OSHA 40-Hour HAZWOPER

OSHA HAZWOPER Supervisor

OSHA 10-Hour Construction

Certified Hazardous Materials Manager (CHMM) #14701

NJDEP Subsurface Evaluator #572258

Hazardous Waste Management Certification

Site Remediation Basics Certification

New York City Office of Environmental Remediation (NYCOER) Brownfield Certification (TurboTraining)

OSHA 30-Hour 1910 General Industry Training

**YEARS OF EXPERIENCE:**

With Hillmann: 15

Total: 16

## PROFESSIONAL EXPERIENCE:

Mr. Hirschmann is currently the Director of Environmental Services at Hillmann Consulting, LLC. As such, he is responsible for performing environmental due diligence, including Phase I ESAs and desktop reviews, managing and implementing soil, groundwater, and soil vapor subsurface investigations and remediation; regulatory compliance; storage tank closure and install; and third party document review.

Mr. Hirschmann has extensive experience in performing due diligence site assessments, evaluating and investigating sites for subsurface contamination and instituting remedial activities for commercial and industrial properties (including City & State regulatory & brownfield programs). He also performs SPCC plan preparation and hazardous materials management as well as environmental compliance.

Representative experience includes:

**The Doe Fund, Bronx, NY:**

Identified as a spill case with confirmed soil, groundwater and soil/vapor contamination with the New York State Department of Environmental Conservation (NYSDEC) and brownfield and e-designation site with New York State Office of Environmental Remediation (NYCOER). Mr. Hirschmann functioned as the project director for Hillmann and prepared the remedial investigation work plan (RIWP), conducted remedial investigation activities and prepared a Remedial Investigation Report (RIR). Based on the RIR Hillmann prepared a Remedial Action Work Plan (RAWP) that was subsequently approved by the NYSDEC and NYCOER. Under the direction of Mr. Hirschmann, Hillmann provided oversight and direction of remedial activities, including implementation of a Community Air Monitoring Plan, during site redevelopment activities.

**Women in Need, Brooklyn, NY:**

Identified as an e-designation and brownfield case with soil and soil/vapor contamination with NYCOER. Mr. Hirschmann functioned as the project director for Hillmann and prepared the remedial investigation work plan (RIWP), conducted remedial investigation activities and prepared a Remedial Investigation Report (RIR). Based on the RIR Hillmann designed and prepared a Remedial Action Work Plan (RAWP) that was subsequently approved by the NYCOER. Under the direction of Mr. Hirschmann, Hillmann provided oversight and direction of remedial activities during site redevelopment activities.

**TLK Manor, Bronx, NY:**

Identified as a contaminated property under the purview of NYCDEP, Hillmann provided investigation and remediation services related to redevelopment activities. Mr. Hirschmann functioned as the project director and conducted the remedial investigation and prepared a Remedial Action Work Plan based on the results of the soil, groundwater and soil/vapor investigation. During redevelopment activities, under the direction of Mr. Hirschmann, Hillmann provided

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oversight and direction of remedial activities including implementation of a Community Air Monitoring Plan.

**BP Real Estate Fund, Queens, NY**

Hillmann was retained to address the e-designation on the property for hazardous materials prior to redevelopment activities. Mr. Hirschmann functioned as the project director and prepared a Remedial Investigation Workplan, conducted the Remedial Investigation soil, groundwater and soil vapor sampling activities and issued the Remedial Investigation Report to the NYCOER. The NYCOER subsequently removed the e-designation from the property after review and approval of project documents.

**AIG, Bernardsville, NJ:**

The Property had a leaking underground storage tank (UST) identified as a spill case with the New Jersey Department of Environmental Protection (NJDEP) and contained widespread soil and groundwater contamination. Hillmann provided investigation and remedial activities at the site including: delineation of soil and groundwater contamination, preparation of remedial action plans for the NJDEP, enhanced fluid recovery for groundwater remediation, injection remediation of groundwater including chemical oxidation material and microbe material to break down and remediate the elevated contaminants found in the groundwater. Mr. Hirschmann was the project manager and NJDEP certified Subsurface Evaluator for the remedial activities.

**City of Newark, New Jersey:**

Hillmann provided investigation and remediation activities for five City owned brownfield properties. Mr. Hirschmann functioned as the project manager for oversight, design, implementation and management of soil and groundwater remedial investigations at the properties.

**Unique People Services, Bronx, New York**

Identified as a contaminated property under the purview of NYCDEP, Hillmann provided investigation and remediation services related to redevelopment activities. Mr. Hirschmann functioned as the project director and conducted the remedial investigation and prepared a Remedial Action Work Plan based on the results of the soil, groundwater and soil/vapor investigation. During redevelopment activities, under the direction of Mr. Hirschmann, Hillmann provided oversight and direction of remedial activities including implementation of a Community Air Monitoring Plan.

**Notias Construction, NY, NY:**

Hillmann provided environmental investigation activities for 5 separate sites in Manhattan, NY. Mr. Hirschmann functioned as the project manager and prepared Phase II Investigation workplans for soil and soil-vapor sampling, directed site investigation activities and prepared Remedial Investigation Reports for each site. Where contamination was identified, Mr. Hirschmann prepared Remedial

Action Work Plans for slated redevelopment activities.

**AIG: Northeastern States:** Hillmann provides ongoing environmental consulting for this client including decommissioning of fuel oil storage tanks, investigation and remediation of fuel oil contaminated soil and groundwater. Mr. Hirschmann provides third-party oversight on behalf of this client to ensure the contractors/consultants onsite are performing project activities in accordance with industry and regulatory protocol. When applicable on certain projects, Mr. Hirschmann will also direct full remedial investigation and remedial activities as the project manager.

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## Stephanie Lamb

Senior Project Manager

**EDUCATION:**

B.S. Environmental Planning & Design, Rutgers University

**CERTIFICATIONS:**

ACAC Certified Microbial Inspector (CMI)

NYS DOL Mold Assessor

40-hr HAZWOPER 29 CFR 1910.120

Hearing Protection & Conservation Training

Confined Space Training

XRF Spectrum Analyzer Training

USEPA NY Lead Based Paint Risk Assessor

USEPA NY Lead Based Paint Inspector

OSHA 10 Hr. Construction Safety & Health

NJ Radon Certification #MET12597

NJ Lead Inspector/Risk Assessor

PA Radon Certification #2570

NJ Radon Measurement Technician

NRSB Radon Measurement Technician

NYS DOL Asbestos Inspector

**YEARS OF EXPERIENCE:**

With Hillmann: 15 years

Total: 15 years

### PROFESSIONAL EXPERIENCE

Ms. Lamb has over fourteen years of experience supporting various areas of Hillmann's practice. Within the Due Diligence department, she functions as a Senior Project Manager. In this role, she performs Phase I Environmental Site Assessments to meet environmental due diligence requirements under CERCLA and ASTM Standards, including the quality assurance of technical reports.

Similarly, within the Environmental Health and Safety Department, Ms. Lamb functions as a Project Manager. In this role she manages indoor air quality investigations, surveys and sick building syndrome investigations, potable and non-potable water sampling, and post water intrusion investigations. Ms. Lamb also conducts airborne lead, silica/respirable dust monitoring, lead based paint risk assessments, indoor air quality, and microbial investigations/SOW. Additionally, Ms. Lamb is knowledgeable in managing mold delineation and remediation management projects, performing microbial growth investigations and sampling, and preparing scope of work remediation reports. Finally, Ms. Lamb is experienced in Right to Know Reporting for New York City clients.

Representative project experience includes:

**Notias Construction, Inc.,** Ms. Lamb was one of the Project Managers and Site Assessors for this portfolio of Phase I Environmental Site Assessment projects conducted on multi-family residential buildings. Hillmann staff also performed brief evaluations for (ASTM) "Non-Scope" items, such as asbestos-containing materials, lead-based paint, radon, and mold. This project was completed in 2016.

**TD Bank, N.A., various locations:** Hillmann has performed Phase I Environmental Site Assessments (ESA's) at several properties on behalf of TD Bank, N.A. These assessments have been conducted utilizing generally accepted Phase I (ESA) industry standards in accordance with the (ASTM) Standard Practice E 1527-13 for Phase I Environmental Site Assessments, and the TD Bank, N.A. Scope of Services for Phase I Environmental Site Assessment.

**Peapack-Gladstone Bank, various locations:** Hillmann has performed Phase I Environmental Site Assessments (ESA's) at several properties on behalf of Peapack-Gladstone Bank. These assessments have been conducted utilizing generally accepted Phase I (ESA) industry standards in accordance with the (ASTM) Standard Practice E 1527-13 for Phase I Environmental Site Assessments.

**AAA Mid Atlantic**: Hillmann has performed Phase I Environmental Site Assessments (ESA's) at a number of properties on behalf of AAA Mid Atlantic. These assessments have been conducted using generally accepted Phase I (ESA) industry standards in accordance with the (ASTM) Standard Practice E 1527-13 for Phase I Environmental Site Assessments.

**Brookfield Properties, One Liberty Plaza, New York, New York:** Beginning in 1987, Hillmann has managed the environmental aspects of the complete renovation of a 54-story high-rise office building totaling

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over 1.7 million square feet of space. Our services included: asbestos and lead surveys, bid administration, design and monitoring, and geotechnical services. Hillmann continues to provide environmental and industrial hygiene consulting to Brookfield Properties. Ms. Lamb functions as an Environmental Specialist on this contract.

**Tishman Speyer Properties, nationwide:** Hillmann has provided the complete environmental program for Tishman Speyer's properties since 1987. Ms. Lamb functions as an Environmental Specialist for this project. Our services include: Phase I Environmental Site Assessments, asbestos surveys, air monitoring, bid administration, O&M programs, industrial hygiene, and indoor air quality programs. This contract is ongoing.

**Citigroup, nationwide:** Since 1995, Hillmann has been providing complete environmental program for various Citigroup properties. Our services include: Phase I Environmental Site Assessments, asbestos and lead surveys, air monitoring, bid administration, O&M programs, industrial hygiene, indoor air quality programs, geology services, and radon testing and hazardous materials assessments. Ms. Lamb functions as an Industrial Hygienist on this contract, which is ongoing.

**Verizon Communications, Inc., nationwide:** Since 1996, Hillmann has been providing air monitoring, asbestos and lead investigations, abatement design, air monitoring, mold and water sampling, and emergency response services including indoor air quality, noise, confined space, characterization, and ventilation evaluation. Ms. Lamb is an Industrial Hygienist on this contract, which is ongoing.

**Encompass Insurance, nationwide:** Beginning in 2004, Hillmann has been performing microbial assessments, management and clearances, scope of work evaluations, cause and origin, and investigations. Ms. Lamb serves as an Industrial Hygienist on this contract, which is ongoing.

**HSBC Bank, nationwide:** Hillmann is providing professional environmental services for this contract that consists of a complete environmental program, including Phase I Environmental Site Assessments, asbestos surveys, air monitoring, bid administration, O&M programs, industrial hygiene, and indoor air quality programs. Ms. Lamb functions as an Industrial Hygienist providing indoor air quality, water sampling, and mold investigations as required. This contract is ongoing.

**Cushman & Wakefield, nationwide:** Hillmann is providing environmental services for Property Managers for large commercial building owners, including Citibank. These services include: asbestos surveys, project design, investigations, project management, and bulk sampling and analysis. Ms. Lamb is an Industrial Hygienist for this contract, which is ongoing.

**Allstate Insurance, various locations:** Hillmann manages environmental aspects of water losses, including investigations, moisture mapping, testing, remediation protocol, and clearance sampling. Ms. Lamb functions as an Industrial Hygienist on the contract, which is ongoing.

# CARLIN • SIMPSON & ASSOCIATES

**Consulting Geotechnical and Environmental Engineers**

61 Main Street, Sayreville, New Jersey 08872
Tel. (732) 432-5757
Fax. (732) 432-5717

Principal:
Robert B. Simpson, P.E.

Associates:
Meredith R. Anke, P.E.
Stephen Rossi, P.E.
Kurt W. Anke
Eric J. Shaw
Catherine Simpson, E.I.T.


11 May 2020

Omni New York LLC
909 Third Ave, 21st Floor
New York, NY 10022

Attn: Mr. Paul Shevchuk
Senior Project Manager

Re: Report on Subsurface Soil and Foundation Investigation
Proposed 10-Story Building
135 Main Street
Poughkeepsie, NY (CSA Job #20-26)

Dear Mr. Shevchuk:

In accordance with our proposal revised 5 February 2020 and your subsequent authorization, we have completed a Subsurface Soil and Foundation Investigation for the referenced site. The purpose of this study was to determine the nature and engineering properties of the subsurface soil and the groundwater conditions for the new building, to recommend a practical foundation scheme, and to determine the allowable bearing capacity of the site soils. We understand that the planned construction will consist of a new multi-story building.

Our scope of work for this project included the following:

1. Reviewed the proposed layout, the existing site conditions, the expected soil conditions, and planned this study.

2. Retained General Borings Inc. to advance five (5) borings at selected locations on the subject site.

3. Laid out the boring in the field, visually identified the soil layers encountered, obtained soil samples, and prepared detailed boring logs and a Boring Location Plan.

4. Analyzed the field test data and prepared this report containing the results of this study.

## 1.0 SITE DESCRIPTION

The project site is located at 135 Main Street in Poukeepsie, New York. The site is currently occupied by a multi-story residential building. The remainder of the site is occupied by concrete sidewalks, parking lot and grass landscape.

## 2.0 PROPOSED CONSTRUCTION

We understand that the planned construction will consist of a new multi-story building. At this time the building finish floor elevations and loads were not kwon. However, we understand that the building will be up to 10-stories. The following evaluation is based on information that has been provided to our office as of the date of this report.

***Carlin-Simpson and Associates must be provided with the foundation plans and column loads in order to preform a settlement analysis and finalize the foundation recommendation for this project.***

## 3.0 SUBSURFACE CONDITIONS

To determine the subsurface soil and groundwater conditions at the site, five (5) test borings were advanced by General Borings Inc. in April 2020. The borings were performed using hollow stem augers and split spoon sampling. Detailed boring logs have been prepared and are included in this report. The borings were performed under the full-time inspection of Carlin-Simpson & Associates. The boring locations are shown on the enclosed Boring Location Plan. Our field engineer visually identified all of the soil samples obtained during the boring operations.

### 3.1 Soil and Bedrock

The soil descriptions shown on the boring logs are based on the Burmister Classification System. In this system, the soil is divided into three components: Sand (S), Silt ($) and Gravel (G). The major component is indicated in all capital letters, the lesser in lower case letters. The following modifiers indicate the quantity of each lesser component:

| Modifier | Quantity |
|---|---|
| trace (t) | 0 -10% |
| little (l) | 10% - 20% |
| some (s) | 20% - 35% |
| and (a) | 35% - 50% |

The subsurface soil conditions encountered in the borings can be summarized as follows:

**Stratum 1** The surface layer in each of the borings is topsoil that range from approximately 4 to 10 inches in thickness.
Topsoil

**Stratum 2** Existing Fill

Beneath the topsoil in each of the borings is loose to medium dense existing fill that generally consists of brown coarse to fine SAND, trace (to some) Silt, trace (to some) coarse to fine Gravel. Below the existing fill in boring B-2 is a 6" layer of buried topsoil. The existing fill extends to depths ranging from 3'0" to 7'6" below the existing ground surface.

**Stratum 3** Silty Sand

Below the existing fill in borings B-1, B-2, B-4 and B-5 is medium dense to dense gray brown coarse to fine SAND, some (to and) Silt, trace (to little) coarse to fine Gravel. The borings extend to depths ranging from 6'0" to 18'0" below the existing grounds surface. Boring B-2 was terminated upon refusal on the augers.

**Stratum 4** Completely Weathered Graywacke

Underlying the Silty Sand in B-1, B-3 and B-5 and below the existing fill in B-3 is completely weathered gray Graywacke bedrock. This layer is soil like in state, however, there could be denser pockets that cannot be conventionally excavated. The completely weathered Graywacke extends to depths ranging between 8'0" to 18'6" below the existing ground surface.

**Stratum 5** Graywacke Bedrock

Graywacke bedrock was cored at boring locations B-1, B-3, B-4, and B-5 for a vertical distance of 5 feet. The rock core recoveries ranged from 73 to 98 percent. The rock quality designation (RQD) of the recovered cores ranged from 43% to 81%. Based on the boring observations, the Graywacke bedrock ranges from poor quality in a shattered, very blocky and seamy condition to good quality or massive, moderately jointed rock.

### 3.2 Groundwater

During this investigation, groundwater was encountered throughout the site at depths ranging from 7'0" and 10'0" below the existing ground surface. Evidence of seasonal high groundwater was encountered in boring B-1 at a depth of 7'6" below the existing ground surface.

Based on the groundwater observations and anticipated construction, groundwater may be encountered during the construction of the new building. Dewatering with sumps and pumps, as well as preparation of wet subgrades with fabric and stone may be necessary during construction. Variations in the location of the long-term water table may occur as a result of changes in precipitation, evaporation, surface water runoff, and other factors not immediately apparent at the time of this exploration. Groundwater will not be encountered during construction.

### 3.3 Bedrock

Graywacke bedrock was encountered in each of the borings during this investigation. Based on our experience and the boring observations, the in-situ bedrock at the site will range from completely weathered rock in a soil-like state, to a massive, moderately jointed rock. The rock generally transitions into harder, more intact, bedrock with increasing depth. The completely weathered rock was encountered at depths ranging from 6'0" to 15'6" below the

existing ground surface. Auger refusal on harder bedrock was encountered at depths ranging from 8'0" to 18'0" below the ground surface. The bedrock observations are summarized in Table 1 below.

Penetration into the bedrock with excavation equipment will depend on the degree of weathering and fracturing in the rock. The upper few feet of rock may be "rippable" by using large construction equipment, but we anticipate that the "rippability" of the bedrock will be variable and limited. It should not be assumed that the completely weathered rock (very dense material in a soil-like state) can be excavated with conventional equipment. Depending on the planned excavation depths, harder rock may be encountered, and the use of hydraulic hammers to excavate the harder, intact bedrock.

### 3.4 Summary of Boring Observations

A summary of the boring observations is provided in Table 1 below.

**Table 1 – Summary of Boring Observations**

| Boring No. | Observed Depth to Groundwater | Depth to Bottom of Existing Fill | Depth to Bedrock |
|---|---|---|---|
| B-1 | 10'0" | 7'6" | CWR @ 15'6"<br>C @ 17'6" |
| B-2 | 9'3" | 7'0" | CWR @ 15'6"<br>AR @ 18'0" |
| B-3 | NWR | 6'0" | CWR @ 6'0"<br>C @ 8'0" |
| B-4 | 7'6" | 3'0" | C @ 10'0" |
| B-5 | 7'0" | 4'6" | CWR @ 14'6"<br>C @ 18'6" |

NWR – No Water Reading
CWR – Completely Weathered Graywacke Bedrock
AR – Auger Refusal on Probable Harder Graywacke Bedrock
C – Cored Graywacke Bedrock

## 4.0 SUMMARY OF DESIGN RECOMMENDATIONS

Below is a summary of the major design and construction considerations for this project. Additional recommendations are provided in the following sections of this report.

- *Subsurface Conditions (Section 3.0)*
  - Existing fill at the site was encountered to depths of 3'0" to 7'6" below the existing ground surface.
  - Groundwater was encountered at depths of 7'0" to 10'0" below the existing sidewalk elevation.
  - Bedrock was encountered at depths ranging from 8'0" to 18'0" below the existing ground surface.

- A summary of the subsurface observations is provided in Table 1 above.

- *Building Area Preparation (Section 5.1)*
  - Existing structures must be demolished and surface materials must be stripped from the proposed construction area.
  - The existing fill shall be completely removed from the new building footprint.
  - The use of dewatering sumps and pumps may be required to remove the existing fill.
  - Stabilization of sensitive subgrades with geotextile filter fabric and clean stone may be necessary, due to the moderate to high silt content of the site soils.
  - Exposed subgrade soil shall be densified prior to excavating foundations.
  - New backfill shall be compacted to at least 95% of its Maximum Modified Dry Density (ASTM D-1557).

- *Building Foundations Recommendations (Section 5.2)*
  - Existing fill is not suitable for support of the proposed building foundations.
  - Existing fill shall be completely removed and replaced with new structural fill (DGA).
  - Use of hydraulic hammers may be required in order to achieve deeper excavations.
  - ***The building loads and finished floor elevations have not been finalized. However, we have performed a preliminary settlement analysis for the shallow spread footing recommendations provided in this report. Preliminary, we anticipated up to 2-inches of settlements for the considered foundation scenarios.***
  - The new building foundation alternatives are as follows:
    - Shallow Spread Footings Net Bearing Pressure:
      - Virgin Soil – 6,000 psf
      - New Compacted Fill (DGA) – 6,000 psf
      - Completely weathered Graywacke or Intact Graywacke – 10,000 psf
    - Mat Foundation: Average bearing pressure over whole building foot: 3,000 psf
      Maximum bearing pressure: 6,000 psf
  - Additional recommendations for drilled micropiles or geopier foundation can be provided if a shallow foundation system is not feasible or higher loads are desired.
  - Minimum depth for frost protection = 42 inches.
  - Seismic Site Class = C or Very Stiff Soil, Soft Rock Profile.

## 5.0 BUILDING EVALUATION

We understand that the planned construction will consist of a new multi-story building. It is our understanding that the proposed building will be up to 10-stories in height. It is also our understanding that a basement is being considered for the new building as well. A summary of the encountered subsurface conditions for each boring are provided above in Table 1.

Existing fill was encountered at the site to depths of 3’0” to 8’0” below the existing ground surface. The existing fill is not an acceptable bearing material for the new building foundation or floor slab. The consistency and density of the soil fill are not predictable. Certain areas may contain clean dense soils while other areas may contain loose material, void spaces, and/or debris. The existing soil fill creates the possibility of intolerable differential settlements

under loading. As a result, the existing fill shall be completely removed from the building footprint and replaced with new compacted fill.

After the existing fill has been removed, the building foundations may be designed as shallow spread footings or a mat foundation. We have performed a preliminary settlement analysis assuming foundations bearing at frost depth, with an allowable bearing pressure of 6,000 psf and a 10-foot square footing.

The preliminary settlement analysis results in settlements of up to 2-inches in the western portion of the building where the bedrock was encountered at a depth of 18-feet below the existing ground surface. However, in the northeastern corner of the proposed building, bedrock was encountered at a depth of 8-feet below the existing ground surface. In the northeastern portion of the building, expected settlements will be on the order of 0.5-inches for foundation bearing at frost depth. Due to the differing subsurface conditions, differential settlements throughout the building footprint may range up to approximately 1.5 inches for the shallow spread footing scenarios considered.

In addition, if a basement is considered for the new building, foundations in the northeastern corner of the building will bear directly on bedrock resulting in minimal column footing settlements. While the footings in the western portion of the building will still bearing on approximately 10-feet of soil and will experience increase settlements. A basement may increase the anticipated differential settlement.

Depending on the anticipated building loads and foundation bearing elevation, shallow spread footing may result in intolerable differential settlements. To reduce the anticipated settlements, a mat foundation system can also be considered. If higher loads are necessary, a drilled micropile foundation system or ground improvement system can also be considered.

***Due to the potential for high column loads, variable subgrade conditions, and potential for intolerable differential settlements, Carlin-Simpson and Associates must be provided with foundation plans and column loads so that a refined settlement analysis can be performed. We will modify the recommendations in this report based on the results of the refined settlement analysis.***

### 5.1 Building Area Preparation

In order to prepare the site for construction, all surface materials such as topsoil, asphalt, and concrete shall be removed from the planned building area, extending at least 10 feet beyond the new construction limits, where practical. Existing utilities, where they are encountered within the planned building area, should be either abandoned or rerouted around the new structure. Once the utility has been rerouted or abandoned, the section of pipe and any associated structure within the building area should be completely removed. The removal of the pipe and structure must also include any loose fill around the pipe or structure. After the pipe, associated structure, and associated loose backfill have been removed, the resulting excavation shall be backfilled with new controlled fill as described below.

Removal of Existing Fill

Existing fill was encountered in each of the borings in the proposed building area to depths ranging 3’0” and 7’6” below the existing ground surface. The existing fill is not an acceptable bearing material for the new building and must be completely removed and replaced as described below.

The removal of the existing fill from the proposed building area shall extend through the existing fill, down to the virgin Silty Sand, completely weathered Graywacke, or Graywacke Bedrock (Stratum 3, 4, or 5). At the bottom of the excavation, the removal of the unsuitable material shall extend horizontally beyond the addition limits a minimum distance of one (1) foot plus a distance equal to the depth of the excavation below the planned foundation bearing elevation. For example, if the removal of the existing fill extends vertically five (5) feet below the planned foundation bearing elevation, the excavation must extend horizontally a minimum of eleven (6) feet (1 foot plus 5 feet) beyond the new foundation limits at that location.

The removal of the existing fill from the proposed building area shall be performed under the full time inspection of Carlin-Simpson & Associates. The on-site representative from Carlin-Simpson & Associates shall direct the Contractor during this operation to ensure that all of the unsuitable material has been removed from the proposed building area.

During the removal of the unsuitable material from the building area, the Contractor should segregate the potentially re-usable existing fill material from the non-reusable fill (i.e. debris and topsoil). The on-site representative from Carlin-Simpson & Associates shall evaluate the suitability of the excavated materials for use as compacted fill during the excavation and prior to its re-use. Potentially usable fill should be stockpiled and covered with tarps or plastic sheeting for protection from excess moisture. Any fill material that is or becomes wet must be dried prior to its re-use.

After the surface materials and existing fill have been removed and prior to the placement of new structural fill, the exposed subgrade must be graded level and proofrolled by several passes of a vibratory drum roller. The proofrolling operation is necessary to densify the underlying soils. Carlin-Simpson & Associates shall be retained to observe the proofrolling of the subgrade. If any soft or otherwise unsuitable soils are noted, the unsuitable material shall be removed and replaced with new structural fill. Carlin-Simpson & Associates shall be responsible for determining what material, if any, is to be removed and will direct the Contractor during this operation.

Handling Groundwater During Construction

During this investigation, groundwater was observed at depths ranging from 7’0” to 10’0” below the existing ground surface. During removal of the existing fill from the building footprint, temporary groundwater control measures may be needed.

Temporary groundwater control measures shall consist of one or more sumps and pumps. The sump pits shall consist of a perforated pipe at least 8-inches in diameter, surrounded by

crushed stone and filter fabric. Multiple sump pumps may be required to effectively control and lower the water level. The sump pits should be installed just outside the planned excavation area and at least 2 feet below the anticipated bottom of the lowest excavation. Electric pumps equipped with an automatic shut off and capable of operating 24 hours a day may be required. Temporary dewatering must be maintained continuously by the contractor during construction.

Preparing Wet Subgrades

In the event that water has softened the subgrade soil, stabilization with geotextile filter fabric and crushed stone may be required. This determination will be made by Carlin-Simpson & Associates or a qualified geotechnical engineer during the excavation process. Where needed, the subgrade should be stabilized with geotextile fabric, such as Mirafi 500X or equivalent, and 3/4-inch clean crushed stone.

To prepare the subgrade surface for the geotextile fabric and crushed stone, all surface water, loose soil, and mud must be removed from the area. After the subgrade is prepared, a layer of geotextile fabric (Mirafi 500X or equivalent) shall be laid out on the subgrade surface. Adjacent layers of geotextile fabric should be overlapped a minimum of 6 inches. The excavation shall then be filled with 12 inches of 3/4-inch clean crushed stone. The crushed stone shall be placed in maximum 12-inch layers and compacted by several passes of a small vibratory drum roller. The crushed stone can then be used to support the proposed building foundations and floor slab.

The crushed stone should be spread across the geotextile filter fabric and densified with lightweight tracked equipment. Care should be taken to avoid contact of the tracked equipment with the geotextile fabric. Alternatively, the placement of the stone fill could be achieved by placing the material with the bucket of a large excavator and densifying the material with a heavy vibratory plate tamper (i.e. Wacker BPU 3545A or equivalent). If subgrade pumping does occur, the filling operation should be halted until Carlin-Simpson & Associates or a qualified geotechnical engineer can evaluate the cause of the instability and make further recommendations.

Installation of New Structural Fill

New fill required to achieve final grades in the building area shall consist of dense graded aggregate (DGA). DGA shall contain less than 10% by weight passing a No. 200 sieve. The new fill shall be placed in layers not exceeding one (1) foot in thickness and each layer shall be compacted to at least 95% of its Maximum Modified Dry Density (ASTM D1557). Each layer must be compacted, tested, and approved the Carlin-Simpson & Associates field representative prior to placing subsequent layers. The suitability of the excavated soil for reuse as compacted structural fill is discussed in Section 6.3 below.

An example DGA gradation specification is provided below:

| US Standard Sieve Size | Percent Finer By Weight |
|---|---|
| 2 inch | 100 |
| ¼ inch | 30-65 |
| No. 40 | 5-40 |
| No. 200 | 0-10 |

After the installation of compacted fill has been completed to the required building foundation subgrade elevation, the virgin soil and new engineer-approved compacted fill may be used to support the floor slab.

### 5.2 Shallow Foundation System Alternatives

The new building foundations may be designed as shallow spread footings or a mat foundation system as described below. The new foundations may be constructed on virgin soils, completely weathered rock, or new structural fill (DGA). In the event that existing fill is encountered at the foundation bearing elevation, it shall be completely removed and replaced with new structural fill (DGA). All of the exterior footings shall bear at the minimum depth listed below for protection from frost, however we anticipate that footings will extend deeper than the minimum frost depth to bear below the existing fill.

The foundation plans and column loads shall be provided to Carlin-Simpson for review and the completion of a settlement analysis and issuance of final foundation recomendations. At that time, we can provide additional recommendations if needed.

**Table 2 – Foundation Design Parameters**

| **Description** | **Value** |
|---|---|
| Foundation Bearing Material | Virgin Soil, Completely Weathered Rock, Bedrock or New Compacted Fill (DGA) |
| *Shallow Spread Footings*<br>Maximum Allowable Bearing Pressure | <br>Virgin Soil/ DGA – 6,000 psf<br>Completely Weathered Rock – 10,000 psf |
| *Mat Foundation System*<br>Average Bearing Pressure over Building Footprint<br>Maximum Bearing Pressure | <br>3,000 psf<br>6,000 psf |
| Minimum Frost Depth | 42 inches |
| Minimum Column Dimension | 30 inches |
| Minimum Wall Foundation Dimensions | 18 inches |

The excavations for the new foundations shall be performed under the full-time inspection of Carlin-Simpson & Associates or a qualified geotechnical engineering firm. The on-site representative shall confirm that the foundation bearing material is capable of supporting the design bearing pressure.

Prior to the installation of the reinforcement steel and concrete, the bottoms of the foundation excavations should be cleaned of all loose material. The foundation subgrade shall be compacted with a small vibratory drum trench compactor (i.e. Wacker Model RT560), a heavy vibratory plate tamper (i.e. Wacker BPU 3545A or equivalent), or a "jumping jack" style tamper (i.e. Wacker Model BS 600). The preparation of the footing bearing subgrade should be performed under the observation of a representative from Carlin-Simpson & Associates. If instability is observed during the compaction of the bearing subgrade, the soft soil shall be removed and replaced with new compacted fill (DGA).

Bedrock Special Construction Procedures

Where rock is encountered the foundation excavations, "Special Construction Procedures" must be employed. When continuous wall footings or closely spaced column footings (20 feet or less) bear on dissimilar material (i.e. rock and soil) the potential for differential movement exists. A footing bearing in rock will not move, whereas a footing bearing on soil will settle slightly due to the compressive nature of all soils when subjected to new loads. The area between movement and non-movement will develop a (shear) stress point. Cracks in foundations and walls will be the result from such movement. Therefore, continuous wall footings must bear either entirely on rock or entirely on soil for any individual structure. Alternatively, for larger structures, transition zones can be constructed to create a gradual transition from a soil to a rock bearing subgrade.

Where rock and soil both exist at the bearing elevation in a foundation excavation, the footings must either be lowered to bear entirely on rock, or a minimum of 18 inches of rock must be removed from below planned footing bottom. The over-excavated 18 inches must then be filled with a granular material having a maximum particle size of 1/2-inch and containing at least 10% but not more than 30% material by weight passing a No. 200 sieve. The fill shall be placed in six (6) inch layers and each layer shall be compacted to at least 95% of its Maximum Modified Dry Density (ASTM D-1557). This procedure will create a "cushion" atop the rock and reduce the potential for differential movement. For soft, rippable rock, this procedure will not be required.

Adjacent column footings greater than 20 feet apart may bear on dissimilar material (i.e. soil and rock). Any individual column footing must bear entirely on the same type bearing material (i.e. all soil or all rock). In addition, new footings constructed on sloping bedrock must be keyed into the bedrock surface.

If during the excavation for continuous foundations, the transition from soil to rock is gradual (i.e. from medium dense soil to dense weathered rock to very dense rock) over a distance of 20 feet or more, the "Special Construction Procedures" may not be required. This would have to be evaluated in the field on a case-by-case basis by the representative from Carlin-Simpson & Associates or a qualified geotechnical engineer at the time of construction.

Where the transition from rock to soil is abrupt within the excavation for continuous wall foundations, transition zones can be constructed by over-excavating the rock in steps and increasing the "soil cushion" thickness over a distance of 24 feet or more. To construct the

transition zone, the bedrock is over-excavated in a series of steps, each step being six (6) inches in depth and at least eight (8) feet in length. The first step is six (6) inches deep, the second step is 12 inches deep, and the final step is 18 inches deep. The over-excavation is then backfilled with the soil cushion material described above. A detail showing a typical transition zone (FIG-3) is attached in the appendix of this report.

Prior to the placement of formwork, reinforcement steel, and concrete, the bearing subgrade soil shall be cleaned of all loose soil and where soil is encountered at the subgrade elevation, it shall be compacted with several passes of a small vibratory drum trench compactor (i.e. Wacker Model RT560), a heavy vibratory plate tamper (i.e. Wacker BPU 3545A or equivalent), or "jumping jack" style tamper (i.e. Wacker Model BS 600). This must be performed under the observation of Carlin-Simpson & Associates or a qualified geotechnical engineer. If instability is observed during the compaction of the bearing subgrade, the soft soil shall be removed and replaced with new compacted fill.

### 5.3 Building Floor Slabs on Grade

The building floor may be designed as a slab on grade bearing on densified virgin soil, weathered rock, or on new engineer-approved structural fill. Floor slab design parameters are provided in Table 3 below. A layer of 3/4-inch crushed stone is recommended beneath the concrete slab for additional support and drainage. Provisions for sump pits and pumps are recommended for lower levels that are bearing on bedrock.

**Table 3 – Floor Slab Design Parameters**

| Description | Value |
|---|---|
| Slab Subgrade Material | Densified Virgin Site Soils, completely weathered rock or New Compacted Fill (DGA) |
| Modulus of Subgrade Reaction (k) | 200 pci |
| Crushed Stone Cushion Thickness | 6 inches |

New fill for the structure slabs shall consist of either suitable on-site soil or imported sand and gravel. Imported sand and gravel shall contain less than 10% material by weight passing a No. 200 sieve. The new fill shall be placed in layers not exceeding one (1) foot in loose thickness and each layer shall be compacted to at least 92% of its Maximum Modified Dry Density (ASTM D1557). Fill layers shall be compacted, tested, and approved before placing subsequent layers.

### 5.4 Foundation Alternatives – Deep Foundations

If the shallow spread foundation alternatives become uneconomical or higher loads are desired other foundation alternatives like piles or ground improvement methods can be explored at that time. Building and column loads, and final site grades should be provided to complete these alternative analyses.

### 5.5 Seismic Design Considerations

From site-specific test boring data, the Site Class was determined from Table 1613.5.2 of the New York State Building Code. The site-specific data used to determine the Site Class typically includes soil test borings to determine Standard Penetration resistances (N-values). Based on estimated average N-values in the upper 100 feet of soil profile, the site can be classified as Site Class C – Very Stiff Soil, Soft Rock Profile.

New structures should be designed to resist stress produced by lateral forces computed in accordance with Section 1613 of the International Building Code – New York State Edition. The values in Table 5 shall be used for this project.

**Table 5 – Seismic Design Values**

| Description | Value |
|---|---|
| Mapped Spectral Response Acceleration for Short Periods, [Fig 1613.5 (1)] | $S_S$=0.193g |
| Mapped Spectral Response Acceleration at 1-Second Period, [Fig 1613.5 (2)] | $S_1$=0.054g |
| Site Coefficient [Table 1613.5.3 (1)] | $F_a$= 1.30 |
| Site Coefficient [Table 1613.5.3 (2)] | $F_v$= 1.50 |
| Max Considered Earthquake Spectral Response for Short Periods [Eq 16-37] | $S_{MS}$=0.251g |
| Max Considered Earthquake Spectral Response at 1-Second Period [Eq 16-38] | $S_{M1}$=0.082g |
| Design Spectral Response Acceleration for Short Periods [Eq 16-39] | $S_{DS}$=0.167g |
| Design Spectral Response Acceleration for 1-Second Period [Eq 16-40] | $S_{D1}$=0.054g |

### 5.6 Building Settlement

We have performed a preliminary settlement analysis assuming foundations bearing at frost depth with an allowable bearing pressure of 6,000 psf, and a 10-foot square footing. The preliminary settlement analysis results in settlements of up to 2-inches in the western portion of the building where the bedrock was encountered at a depth of 18-feet below the existing ground surface. However, in the northeastern corner of the proposed building, bedrock was encountered at a depth of 8-feet below the existing ground surface. In the northeastern portion of the building, expected settlements will be on the order of 0.5-inches for foundation bearing at frost depth. Due to the differing subsurface conditions, differential settlements throughout the building footprint may range up to approximately 1.5 inches for the shallow spread footing scenarios considered.

The above settlement values are based on our engineering experience with similar soil conditions and the anticipated structural loading, and are to guide the structural engineer with his design. To minimize difficulties during the foundation installation phase, it is critical that Carlin-Simpson & Associates be retained to observe the foundation bearing surfaces and to confirm the recommended bearing pressures and that the existing fill and unsuitable materials have been removed from beneath the new foundations.

***Due to the potential for high column loads, variable subgrade conditions, and potential for intolerable differential settlements, Carlin-Simpson and Associates must be provided with foundation plans and column loads so that a refined settlement analysis can be performed. We***

***will modify the recommendations in this report based on the results of the refined settlement analysis.***

## 6.0 SITE EVALUATION

Our recommendations for the proposed site development including utilities, temporary excavation and bracing, and suitability of the existing site soils for reuse are provided below.

### 6.1 Utilities

Existing fill are present throughout the site to depths ranging from 3'0" to 7'6" below the existing ground surface. For areas where existing fill is encountered within the utility excavations, the subgrade at bottom of the utility excavation shall be compacted in place with a vibratory drum trench compactor or "jumping jack" style tamper. Carlin-Simpson & Associates must evaluate these areas for the presence of soft or unsuitable material within the existing fill matrix. If instability is observed, portions of this fill may have to be removed and replaced with new compacted fill. Carlin-Simpson & Associates will determine this during construction.

New utilities may bear in the densified existing fill, virgin soils, completely weathered bedrock, bedrock or new compacted fill. The bottom of all trenches shall be excavated clean so a hard bottom is provided for pipe support. If any soft areas or unsuitable existing fill conditions are encountered during the construction operation, these materials must be removed and replaced with new compacted fill.

In the event that water is encountered within the utility trench excavation or if the trench bottom becomes soft due to the inflow of surface water or trapped water, a layer of geotextile filter fabric and a minimum of six (6) inches of crushed stone shall be placed on the bearing soil to provide a firm base for support of the pipe. Sump pits and pumps should be used to keep the excavations dry.

### 6.2 Temporary Construction Excavations and Excavation Protection

Temporary construction excavations should be conducted in accordance with the most recent OSHA guidelines or applicable federal, state or local codes. A qualified person should evaluate the excavations at the time of construction to determine the appropriate soil type and allowable slope configuration. Based on the boring data, we believe the site soils and rock would have the following classifications as defined by the OSHA guidelines.

| Soil/Rock Type | Possible Classification | Maximum Slope or Bench |
|---|---|---|
| Existing Fill | Type "C" | 1½H:1V |
| Virgin Soil | Type "B" or "C" | 1H:1V to 1½H:1V |
| Completely Weathered Bedrock | Type "B" | 1H:1V |
| Intact Bedrock | Type "A" | 3/4 H: 1V |

Temporary support (i.e. trench boxes, sheeting and shoring, etc.) should be used for any excavation that cannot be sloped or benched in accordance with the applicable regulations, where necessary to protect adjacent property, utilities, driveways, and/or structures, or where saturated soils or water seepage is encountered within the excavation. In the event that water is encountered within the excavation, an evaluation of the excavation's stability must be performed. Perched water or groundwater encountered within the excavation will destabilize the sides of the excavation. Temporary support will be required to stabilize the excavation. Dewatering of the excavation will also be required.

A New York State licensed professional engineer must design all temporary support systems. The contractor will select the shoring type and submit design calculations for the proposed shoring method to Carlin-Simpson & Associates for review.

The soil adjacent to the temporary support system will exert a horizontal pressure against the system. This pressure is based on the soil unit weight, coefficient of active earth pressure, and depth of the excavation. In addition, the surcharge loads from adjacent driveways, construction equipment, or stored materials near the excavation must be incorporated into the design of the support system, as applicable. The design parameters for temporary excavation support systems are listed in Table 7 below.

**Table 7 – Excavation Support System Design Parameters**

| Description | On-Site Soils |
|---|---|
| Moist Unit Weight (pcf) | 130 |
| Friction Angle ($\phi$, deg) | 30 |
| Cohesion (c, psf) | 0 |
| Active Earth Pressure Coefficient ($k_a$) | 0.33 |
| Equivalent Fluid Pressure (pcf) | 40.3 |
| Passive Earth Pressure Coefficient ($k_p$) | 3.0 |

### 6.3 Suitability of the In-Situ Soils for Use as Compacted Fill

The suitability of each soil stratum for use as compacted fill is discussed below.

**Stratum 2**
Existing Fill

The existing fill generally consists of brown coarse to fine SAND, trace (to some) Silt, trace (to some) coarse to fine Gravel. Some of the existing fill may be moisture sensitive, however, as long as it remains relatively dry for optimum compaction and free of debris and organic material (i.e. roots) should be suitable for reuse as compacted fill. ***Note that the existing fill does not meet the gradation of DGA and therefore cannot be used as structural fill in the building footprint.***

**Stratum 3**
Silty Sand

The Silty Sand generally consists of coarse to fine SAND, some (to and) Silt, trace (to little) coarse to fine Gravel. This stratum has a moderate to high percentage of silt, however, as long as it remains relatively dry for optimum compaction should be suitable for reuse as compacted fill. Note that this stratum extend below the water table. The soil located below the water table will be unsuitable for reuse. ***Note that the Silty Sand does not meet the gradation of DGA and therefore cannot be used as structural fill in the building footprint.***

**Stratum 4/5**
Weathered Rock/
Bedrock

Excavated rock may be used as fill material provided that the material conforms to the required gradation, is well graded, and has been approved prior to use by Carlin-Simpson & Associates. All rock fill must be well blended with smaller rock fragments and/or soil. The maximum particle size for rock placed as fill in the building area shall be three (3) inches in diameter. In other areas of the site, the maximum particle size shall be six (6) inches in diameter. Most of the excavated rock will be too large for use as compacted fill in structural areas. The excavated rock must therefore be processed through a crusher to provide suitable fill material. Rock fill should not be used where it will interfere with the installation of foundations or utilities. Also, it shall not be used as backfill directly against concrete walls or utilities.

The boring observations indicate that the on-site soils contain a low to moderate percentage of silt (10% to >50%). The moderate to high silt content soils will be moisture sensitive. If the soil becomes too wet, it will be difficult to achieve adequate compaction. Note that the onsite soils do not meet the gradation of DGA and therefore cannot be used as structural fill in the building footprint.

Proper moisture conditioning of the soil will be required. New compacted fill should be within 2% (+/-) of its optimum moisture content at the time of placement. In the event that the on-site material is too wet at the time of placement and cannot be adequately compacted, the soil should be aerated and allowed to dry or the material removed and a drier cleaner fill material used. In the event that the on-site material is too dry at the time of placement and cannot be adequately compacted, water may be needed to increase the soil moisture content for proper compaction.

The in-situ soils which exist throughout the site may become soft and weave if exposed to excessive moisture and construction traffic. The instability will occur quickly when exposed to these elements and it will be difficult to stabilize the subgrade. We recommend that adequate site drainage be implemented early in the construction schedule and if the subgrade becomes wet, the contractor should limit construction activity until the soil has dried.

The minimum compaction requirements for the various areas of the site are summarized in Table 7 below.

**Table 7 – Minimum Compaction Requirements**

| Area | Maximum Modified Dry Density (ASTM D-1557) |
|---|---|
| **Building - Below Foundations** | **95%** |
| **Building – Below Slab on Grade** | **95%** |
| Pavement Areas | 92% |
| Exterior Slabs and Sidewalks | 92% |
| Landscape Areas | 90% |

## 7.0 GENERAL

The findings, conclusions and recommendations presented in this report represent our professional opinions concerning subsurface conditions at the site. The opinions presented are relative to the dates of our site work and should not be relied on to represent conditions at later dates or at locations not explored. The opinions included herein are based on information provided to us, the data obtained at specific locations during the study and our past experience. If additional information becomes available that might impact our geotechnical opinions, it will be necessary for Carlin-Simpson & Associates to review the information, reassess the potential concerns, and re-evaluate our conclusions and recommendations.

Regardless of the thoroughness of a geotechnical exploration, there is the possibility that conditions between borings and test pits will differ from those encountered at specific boring or test pit locations, that conditions are not as anticipated by the designers and/or the contractors, or that either natural events or the construction process have altered the subsurface conditions. These variations are an inherent risk associated with subsurface conditions in this region and the approximate methods used to obtain the data. These variations may not be apparent until construction.

The professional opinions presented in this geotechnical report are not final. Field observations and foundation installation monitoring by the geotechnical engineer, as well as soil density testing and other quality assurance functions associated with site earthwork and foundation construction, are an extension of this report. Therefore, Carlin-Simpson & Associates should be retained by the Owner to observe all earthwork and foundation construction, to document that the conditions anticipated in this study actually exist, and to finalize or amend our conclusions and recommendations Carlin-Simpson & Associates is not responsible or liable for the conclusions and recommendations presented in this report if Carlin-Simpson & Associates does not perform the observation and testing services.

Therefore, in order to preserve continuity in this project, the Owner must retain the services of Carlin-Simpson & Associates to provide full time geotechnical related monitoring and testing during construction. At a minimum, this shall include the observation and testing of the following: 1) the removal of existing fill and unsuitable soil, where required; 2) the proofrolling of the subgrade soil prior to the placement of new compacted fill; 3) the placement and compaction of controlled fill; 4) the excavation for the building foundations; and 5) the preparation of the subgrade for the floor slabs.

This report has been prepared in accordance with generally accepted geotechnical engineering practice. No other warranty is expressed or implied. The evaluations and recommendations presented in this report are based on the available project information, as well as on the results of the exploration. Carlin-Simpson & Associates should be given the opportunity to review the final drawings and site plans for this project to determine if changes to the recommendations outlined in this report are needed. Should the nature of the project change, these recommendations should be re-evaluated.

This report is provided for the exclusive use of Omni New York, LLC. and the project specific design team and may not be used or relied upon in connection with other projects or by other third parties. Carlin-Simpson & Associates disclaims liability for any such third party use or reliance without express written permission. Use of this report or the findings, conclusions or recommendations by others will be at the sole risk of the user. Carlin-Simpson & Associates is not responsible or liable for the interpretation by others of the data in this report, nor their conclusions, recommendations or opinions.

If the conditions encountered during construction vary significantly from those stated in this report, this office should be notified immediately so that additional recommendations can be made.

Thank you for allowing us to assist you with this project. Should you have any questions or comments, please contact this office.

Very truly yours,
CARLIN-SIMPSON & ASSOCIATES

CATHERINE SIMPSON, E.I.T.
Project Manager

ROBERT B. SIMPSON, P.E.




File No. 20-26

| CARLIN - SIMPSON & ASSOCIATES Sayreville, N.J. | | | | TEST BORING LOG | | | | | BORING NUMBER B-1 |
|---|---|---|---|---|---|---|---|---|---|
| Project: Proposed 10 Story Building, 135 Main St, Poughkeepsie NY | | | | | | | | | SHEET NO.: 1 of 1 |
| Client: Omni New York LLC | | | | | | | | | JOB NUMBER: 20-26 |
| Drilling Contractor: General Borings Inc | | | | | | | | | ELEVATION: - |
| GROUNDWATER | | | | | CASING | SAMPLE | CORE | TUBE | DATUM: - |
| DATE | TIME | DEPTH | CASING | TYPE | HSA | SS | NX | | START DATE: 15 Apr 20 |
| 4/15/2020 | 0930 | 10'0" | HSA | DIA. | 3 1/4" | 1 3/8" | 2 1/8" | | FINISH DATE: 15 Apr 20 |
| | | | | WGHT | | 140# | | | DRILLER: J Casson |
| | | | | FALL | | 30" | | | INSPECTOR: CKS |

| Depth (ft.) | Casing Blows pre Foot | Sample Number | Blows on Sample Spoon per 6" | Sy r | IDENTIFICATION | REMARKS |
|---|---|---|---|---|---|---|
| | | | 2 | | **Topsoil** 0'4" | |
| 1 | | S-1 | 8 | | FILL (Br, bk cf S, l (+) $, l (+) cf G, w/bricks) | Rec = 7" |
| | | | 8 | | | moist |
| 2 | | | 6 | | | |
| | | | 8 | | | |
| 3 | | S-2 | 8 | | FILL (same) | Rec = 20" |
| | | | 7 | | | moist |
| 4 | | | 7 | | **FILL (Brown, black coarse to fine SAND, little (+) Silt, little (+) coarse to fine Gravel, with bricks)** | |
| 5 | | | | | | |
| | | | 2 | | | |
| 6 | | S-3 | 2 | | FILL (same) | Rec = 0" |
| | | | 2 | | | moist |
| 7 | | | 3 | | | |
| | | | 4 | | FILL (same) 7'6" | |
| 8 | | S-4 | 7 | | Gr br cf S, a $, l cf G | Rec = 19" |
| | | | 6 | | | moist |
| 9 | | | 7 | | | slightly mottled |
| 10 | | | | | | |
| | | | 12 | | | |
| 11 | | S-5 | 12 | | same | Rec = 20" |
| | | | 11 | | | moist to wet |
| 12 | | | 15 | | **Gray brown coarse to fine SAND, and Silt, little coarse to fine Gravel** | mottled above |
| 13 | | | | | | |
| 14 | | | | | | Many cobbles and boulders |
| 15 | | | | | | |
| | | | 11 | | same 15'6" | |
| 16 | | S-6 | 50/3" | | completely weathered graywacke | Rec = 5" |
| | | | | | | wet |
| 17 | | | | | **Completley Weathered Graywacke** | Auger refusal @ 17'6" |
| | | | | | 17'6" | |
| 18 | | | | | | |
| | | | | | | |
| 19 | | | | | | |
| | | | | | | Run #1 |
| 20 | | Run #1 | | | **Gray Graywacke Massive moderatley jointed, highly weathered** | 17'6"-22'6" |
| | | | | | | Run = 60" |
| 21 | | | | | | Rec = 98% |
| | | | | | | RQD = 81% |
| 22 | | | | | 22'6" | |

| CARLIN-SIMPSON & ASSOCIATES<br>Sayreville, NJ | TEST BORING LOG | BORING NUMBER<br>B-2 |
|---|---|---|
| **Project:** Proposed 10 Story Building, 135 Main St, Poughkeepsie NY | | **SHEET NO.:** 1 of 1 |
| **Client:** Omni New York LLC | | **JOB NUMBER:** 20-26 |
| **Drilling Contractor:** General Borings Inc | | **ELEVATION:** - |

| GROUNDWATER | | | | | CASING | SAMPLE | CORE | TUBE | **DATUM:** - |
|---|---|---|---|---|---|---|---|---|---|
| DATE | TIME | DEPTH | CASING | TYPE | HSA | SS | | | **START DATE:** 15/Apr/20 |
| 15/Apr/20 | 1245 | 9'3" | HSA | DIA. | 3 1/4" | 1 3/8" | | | **FINISH DATE:** 15/Apr/20 |
| | | | | WGHT | | 140# | | | **DRILLER:** J Casson |
| | | | | FALL | | 30" | | | **INSPECTOR:** CKS |

| Depth (ft.) | Casing Blows per Foot | Sample Number | Blows on Sample Spoon per 6" | Sym | IDENTIFICATION | REMARKS |
|---|---|---|---|---|---|---|
| | | | 3 | | **Topsoil** 0'5" | |
| 1 | | **S-1** | 5 | | FILL (Br, bk cf S, l (-) $, l cf G, w/brick, ash | Rec = 10" |
| | | | 6 | | | moist |
| 2 | | | 6 | | | |
| | | | 5 | | | |
| 3 | | **S-2** | 4 | | FILL (same) | Rec = 17" |
| | | | 2 | | **FILL (Brown, black coarse to fine SAND,** | moist |
| 4 | | | 8 | | **little (-) Silt, little coarse to fine Gravel,** | |
| | | | | | **with brick, ash** | |
| 5 | | | | | | |
| | | | 2 | | | |
| 6 | | **S-3** | 2 | | FILL (same) | Rec = 20" |
| | | | 2 | | | moist |
| 7 | | | 3 | | 7'0" | |
| | | | 4 | | **Old topsoil layer** 7'6" | |
| 8 | | **S-4** | 5 | | Gr br cf S, a $, l (-) cf G | Rec = 20" |
| | | | 8 | | | moist |
| 9 | | | 8 | | | |
| 10 | | | | | | |
| | | | 3 | | | |
| 11 | | **S-5** | 5 | | Gr Cy $ a, cf S, t mf G | Rec = 18" |
| | | | 9 | | | wet |
| 12 | | | 11 | | **Gray brown coarse to fine SAND,** | |
| 13 | | | | | **and Silt, little (-) coarse to fine Gravel** | |
| 14 | | | | | | |
| 15 | | | | | | |
| | | | 10 | | | |
| 16 | | **S-6** | 50/3" | | Gr br cf S, a $, l (+) cf G | Rec = 5" |
| 17 | | | | | | wet |
| | | | | | | Weathered rock in tip |
| 18 | | | | | 18'0" | Auger refusal @ 28'0" |
| | | | | | **End of Boring @ 18'0"** | on probable bedrock |
| 19 | | | | | | |
| 20 | | | | | | |
| 21 | | | | | | |
| 22 | | | | | | |

| CARLIN - SIMPSON & ASSOCIATES<br>Sayreville, N.J. | TEST BORING LOG | BORING NUMBER<br>B-3 |
|---|---|---|

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Project:** | **Proposed 10 Story Building, 135 Main St, Poughkeepsie NY** | | | | | | | | | **SHEET NO.:** | 1 of 1 |
| **Client:** | **Omni New York LLC** | | | | | | | | | **JOB NUMBER:** | 20-26 |
| **Drilling Contractor:** | **General Borings Inc** | | | | | | | | | **ELEVATION:** | - |
| **GROUNDWATER** | | | | | **CASING** | **SAMPLE** | **CORE** | **TUBE** | | **DATUM:** | - |
| **DATE** | **TIME** | **DEPTH** | **CASING** | **TYPE** | **HSA** | **SS** | **NX** | | | **START DATE:** | 15 Apr 20 |
| **No Water Reading** | | | | **DIA.** | **3 1/4"** | **1 3/8"** | **2 1/8"** | | | **FINISH DATE:** | 15 Apr 20 |
| | | | | **WGHT** | | **140#** | | | | **DRILLER:** | J Casson |
| | | | | **FALL** | | **30"** | | | | **INSPECTOR:** | CKS |

| Depth (ft.) | Casing Blows pre Foot | Sample Number | Blows on Sample Spoon per 6" | Syr | IDENTIFICATION | REMARKS |
|---|---|---|---|---|---|---|
| | | | 2 | | **Topsoil** 0'4" | |
| 1 | | **S-1** | 7 | | FILL (Br cf S, s (-) $, l (+) cf G, w/brick) | Rec = 15" |
| | | | 8 | | | moist |
| 2 | | | 5 | | | |
| | | | 5 | | | |
| 3 | | **S-2** | 11 | | FILL (same, w/debris) | Rec = 3" |
| | | | 50/3" | | **FILL (Brown coarse to fine SAND,** | moist |
| 4 | | | | | **some (-) Silt, little (+) coarse to fine** | Obstruction, moved 5' east |
| | | | | | **Gravel, with brick)** | continued drilling |
| 5 | | | | | | |
| | | | 5 | | | |
| 6 | | | 6 | | FILL (same) 6'0" | |
| | | | 53 | | | |
| 7 | | **S-3** | 50/2" | | Completely weathered Graywacke | Rec = 5" |
| | | | | | **Completely weathered Graywacke** | moist |
| 8 | | | | | 8'0" | Auger refusal @ 8'0" |
| 9 | | | | | | |
| | | | | | | |
| 10 | | | | | | |
| | | **Run** | | | **Gray Graywacke blocky and seamy** | Run #1 |
| 11 | | **#1** | | | **highly weathered** | 8'0"-13'0" |
| | | | | | | Run = 60" |
| 12 | | | | | | Rec = 73% |
| | | | | | | RQD = 62% |
| 13 | | | | | 13'0" | |
| | | | | | **End of Boring @ 13'0"** | |
| 14 | | | | | | |
| | | | | | | |
| 15 | | | | | | |
| | | | | | | |
| 16 | | | | | | |
| | | | | | | |
| 17 | | | | | | |
| | | | | | | |
| 18 | | | | | | |
| | | | | | | |
| 19 | | | | | | |
| | | | | | | |
| 20 | | | | | | |
| | | | | | | |
| 21 | | | | | | |
| | | | | | | |
| 22 | | | | | | |

| CARLIN - SIMPSON & ASSOCIATES<br>Sayreville, N.J. | TEST BORING LOG | BORING NUMBER<br>B-4 |
|---|---|---|

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Project:** | **Proposed 10 Story Building, 135 Main St, Poughkeepsie NY** | | | | | | | | | **SHEET NO.:** | 1 of 1 |
| **Client:** | **Omni New York LLC** | | | | | | | | | **JOB NUMBER:** | 20-26 |
| **Drilling Contractor:** | **General Borings Inc** | | | | | | | | | **ELEVATION:** | - |
| **GROUNDWATER** | | | | | | **CASING** | **SAMPLE** | **CORE** | **TUBE** | **DATUM:** | - |
| **DATE** | **TIME** | **DEPTH** | **CASING** | **TYPE** | | **HSA** | **SS** | | | **START DATE:** | 16 Apr 20 |
| **4/16/2020** | **1030** | **7'6"** | **HSA** | **DIA.** | | **3 1/4"** | **1 3/8"** | | | **FINISH DATE:** | 16 Apr 20 |
| | | | | **WGHT** | | | **140#** | | | **DRILLER:** | J Casson |
| | | | | **FALL** | | | **30"** | | | **INSPECTOR:** | MW |

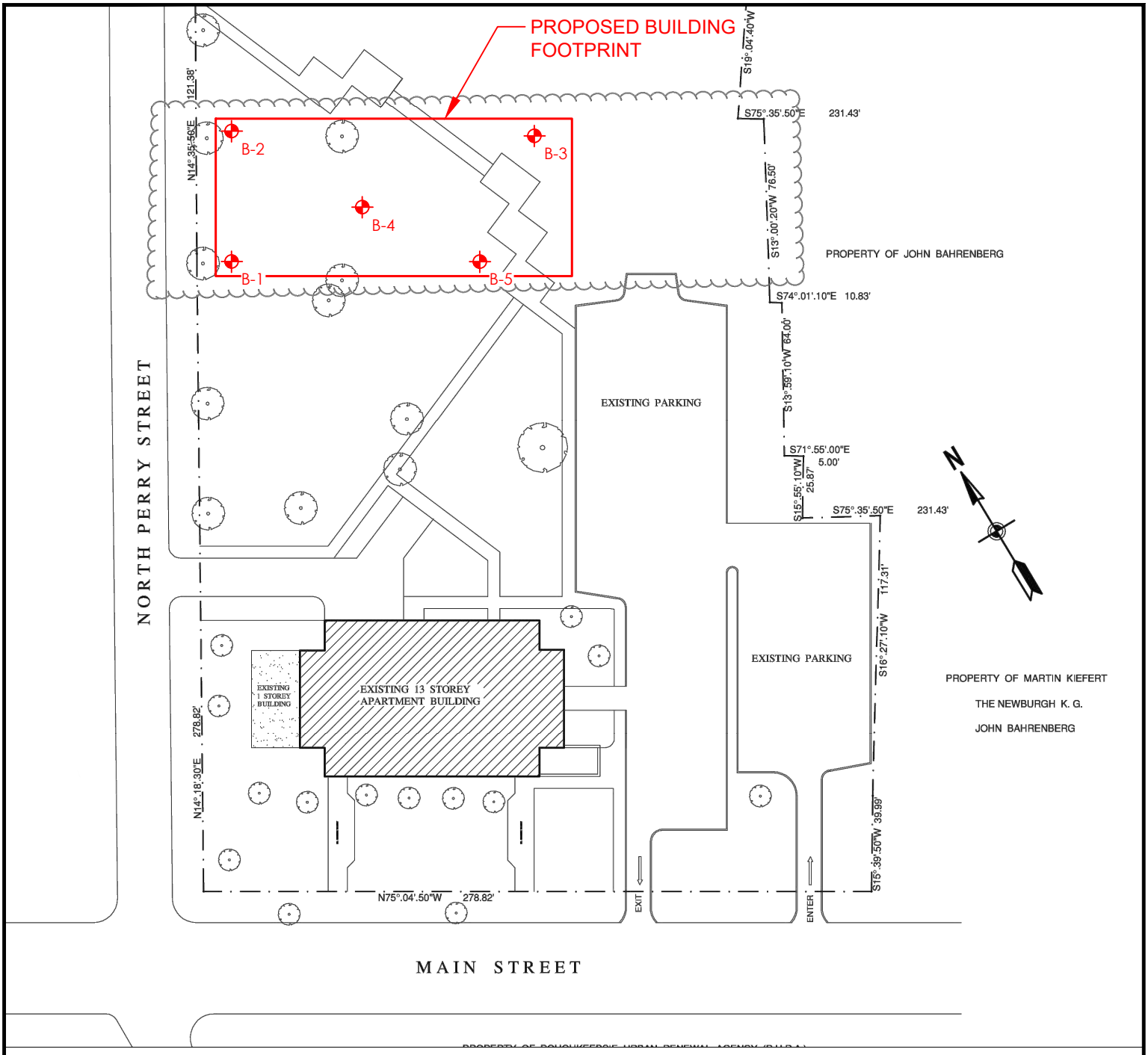
| Depth (ft.) | Casing Blows pre Foot | Sample Number | Blows on Sample Spoon per 6" | Sym | IDENTIFICATION | REMARKS |
|---|---|---|---|---|---|---|
| 1 | | | 1<br>3 | | **Topsoil** 0'10" | |
| 2 | | **S-1** | 6<br>12 | | **FILL (Dark gray coarse to fine SAND, some (-) Silt, little (+) coarse to fine Gravel, with brick)** | Rec = 20"<br>moist |
| 3 | | **S-2** | 7<br>5 | | FILL (same) 3'0" | Rec = 20" |
| 4 | | | 9<br>8 | | Br, gr cf S, s $, t (+) f G | moist |
| 5 | | | | | **Brown, gray coarse to fine SAND, some Silt, trace (+) fine Gravel** | |
| 6 | | **S-3** | 5<br>5 | | same | Rec = 0 |
| 7 | | | 4<br>5 | | | moist |
| 8 | | **S-4A** | 5<br>7 | | same 8'0" | Rec = 12"<br>wet |
| 9 | | **S-4B** | 20<br>14 | | Br, gr cf S, s $, s cf G, w/weathered rock frag<br>**Brown, gray coarse to fine SAND, some Silt, some coarse to fine Gravel, with weathered rock fragments** | Dense drilling 8'-10' |
| 10 | | | | | 10'0" | Auger refusal @ 10' |
| 11 | | | | | | |
| 12 | | | | | **Gray Graywacke, crushed, highly weathered with soil seams** | |
| 13 | | **Run #1** | | | 13'0" | Run #1<br>10'0"-15'0" |
| 14 | | | | | | Run = 60"<br>Rec = 85% |
| 15 | | | | | **Gray Graywacke, shattered, very blocky and seamy, slightly weathered to fresh** | RQD = 12% |
| 16 | | | | | | Run #2 |
| 17 | | **Run #2** | | | | 15'0"-17'6"<br>Run = 30" |
| 18 | | | | | 17'6"<br>**End of Boring @ 17'6"** | Rec = 90%<br>RQD = 43% |
| 19 | | | | | | |
| 20 | | | | | | |
| 21 | | | | | | |
| 22 | | | | | | |

| CARLIN - SIMPSON & ASSOCIATES Sayreville, N.J. | | | | | TEST BORING LOG | | | | | BORING NUMBER B-5 |
|---|---|---|---|---|---|---|---|---|---|---|
| Project: Proposed 10 Story Building, 135 Main St, Poughkeepsie NY | | | | | | | | | | SHEET NO.: 1 of 2 |
| Client: Omni New York LLC | | | | | | | | | | JOB NUMBER: 20-26 |
| Drilling Contractor: General Borings Inc | | | | | | | | | | ELEVATION: - |
| GROUNDWATER | | | | | | CASING | SAMPLE | CORE | TUBE | DATUM: - |
| DATE | | TIME | DEPTH | CASING | TYPE | HSA | SS | | | START DATE: 16/Apr/20 |
| 16/Apr/20 | | 1200 | 7'0" | HSA | DIA. | 3 1/4" | 1 3/4" | | | FINISH DATE: 16/Apr/20 |
| | | | | | WGHT | | 140# | | | DRILLER: J Casson |
| | | | | | FALL | | 30" | | | INSPECTOR: MW |

| Depth (ft.) | Casing Blows pre Foot | Sample Number | Blows on Sample Spoon per 6" | S Y M | IDENTIFICATION | REMARKS |
|---|---|---|---|---|---|---|
| | | | 2 | | **Topsoil** 0'4" | |
| 1 | | **S-1A** | 5 | | FILL (Dk gr cf S, s $, t (+) mf G) | Rec = 20" |
| | | | 5 | | **FILL (Dark gray coarse to fine SAND,** | moist |
| 2 | | **S-1B** | 8 | | **some Silt, trace (+) medium to fine** | |
| | | | 9 | | **Gravel, with coal & brick)** | |
| 3 | | **S-2** | 9 | | FILL (same with debris) | Rec = 20" |
| | | | 17 | | | moist |
| 4 | | | 21 | | | |
| | | | | | 4'6" | |
| 5 | | | | | | |
| | | | 20 | | | |
| 6 | | **S-3** | 23 | | Br ,gr cf S, a (-) $, t (-) f G | Rec = 12" |
| | | | 5 | | | moist to wet |
| 7 | | | 8 | | | |
| | | | 9 | | | |
| 8 | | **S-4** | 13 | | same, l (+) mf G | Rec = 12" |
| | | | 10 | | | wet |
| 9 | | | 8 | | **Brown, gray coarse to fine SAND,** | |
| | | | | | **and (-) Silt, trace (-) fine Gravel** | |
| 10 | | | | | | |
| | | | 12 | | | |
| 11 | | **S-5** | 14 | | same | Rec = 0 |
| | | | 19 | | | |
| 12 | | | 12 | | | |
| 13 | | | | | | |
| 14 | | | | | | |
| | | | | | 14'6" | |
| 15 | | | | | | |
| | | **S-6** | 30/0" | | Completley weathered Graywacke | Rec = 0 |
| 16 | | | | | | Spoon bouncing |
| | | | | | **Completely weathered Graywacke** | Rock in tip |
| 17 | | | | | | |
| 18 | | | | | | |
| | | | | | 18'6" | |
| 19 | | | | | | |
| | | | | | | |
| 20 | | **Run** | | | **Gray Graywacke, blocky and seamy,** | Run #1 |
| | | **#1** | | | **slightly weathered** | 18'6"-23'6" |
| 21 | | | | | | Run = 60" |
| | | | | | | Rec = 96% |
| 22 | | | | | | RQD = 68% |

| CARLIN - SIMPSON & ASSOCIATES<br>Sayreville, NJ | TEST BORING LOG | BORING NUMBER<br>B-5 |
|---|---|---|
| **Project:** Proposed 10 Story Building, 135 Main St, Poughkeepsie NY | | **SHEET NO.:** 2 of 2 |
| **Client:** Omni New York LLC | | **JOB NUMBER:** 20-26 |

| Depth (ft.) | Casing Blows pre Foot | Sample Number | Blows on Sample Spoon per 6" | Sym | IDENTIFICATION | REMARKS |
|---|---|---|---|---|---|---|
| 23 | | Run #1 | | | **Gray Shale, blocky and seamy, slightly weathered** | Run #1<br>18'6"-23'6" |
| | | | | | 23'6" | Run = 60" |
| 24 | | | | | **End of Boring @ 23'6"** | Rec = 96%<br>RQD = 68% |
| 25 | | | | | | |
| 26 | | | | | | |
| 27 | | | | | | |
| 28 | | | | | | |
| 29 | | | | | | |
| 30 | | | | | | |
| 31 | | | | | | |
| 32 | | | | | | |
| 33 | | | | | | |
| 34 | | | | | | |
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| 47 | | | | | | |




GENERAL NOTES:

1. GENERAL LAYOUT WAS OBTAINED FROM A SURVEY PROVIDED BY ROBERT ST. C GASKIN ARCHITECTS, TITLED "EXISTING SITE PLAN", DATED 22 DECEMBER 2006.
2. BORING LOCATIONS WERE LAID OUT IN THE FIELD BY CARLIN-SIMPSON & ASSOCIATES (CSA).
3. BORINGS WERE PERFORMED BY GENERAL BORINGS INC. IN APRIL 2020 UNDER THE FULL TIME INSPECTION OF CSA.
4. LOCATIONS ARE APPROXIMATE.

LEGEND:

- BORING LOCATION

**ROBERT B. SIMPSON, P.E.**
**PROFESSIONAL ENGINEER**

LICENSE NO. | SIGNATURE | DATE

## BORING LOCATION PLAN

PROPOSED 10-STORY RESIDENTIAL BUILDING
135 MAIN STREET
POUGHKEEPSIE, NEW YORK

| DRAWN | SCALE |
|---|---|
| CKS | 1" = 60' |
| CHECKED | DATE |
| RBS | 30 APR 2020 |
| PROJECT NO. | DWG NO. |
| 20-26 | FIG -1 |
| APPROVED | |

CARLIN-SIMPSON AND ASSOCIATES
61 Main Street
Sayreville, NJ 08872
Consulting Geotechnical and Environmental Engineers

**PROJECT TITLE:**

# ADMIRAL HALSEY II

**PROJECT ADDRESS:**

135 MAIN STREET
POUGHKEEPSIE, NY 12601

**CLIENT:**

OMNI NEW YORK
909 THIRD AVE., 21ST FLOOR
NEW YORK CITY, NY 10022

**CITY PLANNING BOARD**
**CITY OF POUGHKEEPSIE, NEW YORK**

**SITE PLAN APPROVAL**

**FILE NO:**

**PROJECT NAME:**

**PROJECT LOCATION:**

**APPLICANT:**

**OFFICIALLY APPROVED at the Planning Board**
**Meeting held the _____ day of _____ 2_____**

**PLANNING CHAIR:**

**DESIGNEE:**

**DATE SIGNED:**

**CONDITION(S):**

**CITY OF POUGHKEEPSIE DEPARTMENTAL SIGNATURES**
**(Required Before Chairman's Signature)**

Fire Chief _____ Date _____

Police Chief _____ Date _____

Building Inspector _____ Date _____

City Engineer _____ Date _____

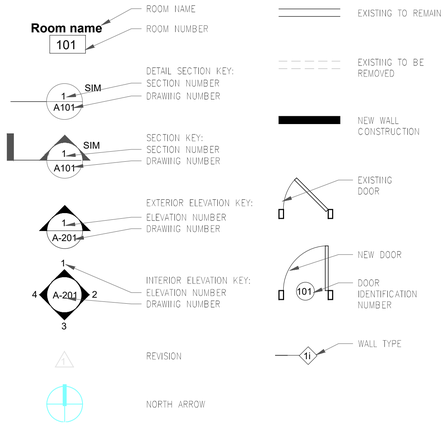
Commissioner of Public Works _____ Date _____

## ABBREVIATIONS

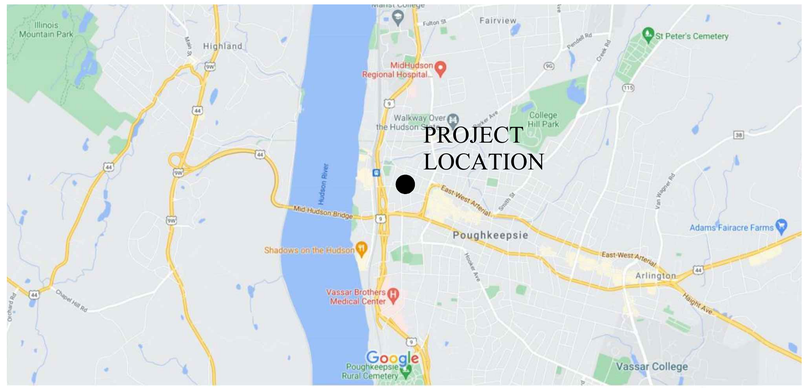
| | | |
|---|---|---|
| A | ACOUST. | ACOUSTICAL |
| | A.C.T. | ACOUSTICAL CEILING TILE |
| | A.F.F | ABOVE FINISHED FLOOR |
| | ALUM. | ALUMINUM |
| | ANOD. | ANODIZED |
| | APPROX. | APPROXIMATE |
| | AVG. | AVERAGE |
| B | B.O. | BOTTOM OF |
| | BLDG. | BUILDING |
| | BLK'G. | BLOCKING |
| | BRG. | BEARING |
| C | CAB. | CABINET |
| | CLG. | CEILING |
| | C.J. | CONTROL JOINT |
| | C.L. | CENTER LINE |
| | CLOS. | CLOSET |
| | CLR. | CLEAR |
| | C.M.U. | CONCRETE MASONRY UNIT |
| | CNTR. | COUNTER |
| | COL. | COLUMN |
| | CONC. | CONCRETE |
| | CONSTR. | CONSTRUCTION |
| | CONT. | CONTINUOUS |
| | CONTR. | CONTRACTOR |
| | C.T. | CERAMIC TILE |
| D | DBL. | DOUBLE |
| | DIA. | DIAMETER |
| | DIM. | DIMENSION |
| | DN. | DOWN |
| | DR. | DOOR |
| | DTL. | DETAIL |
| | DWG | DRAWING |
| E | EA. | EACH |
| | E.I.F.S. | EXTERIOR INSULATION FINISH SYSTEM |
| | ELECT. | ELECTRIC/ELECTRICAL |
| | ELEV. | ELEVATION |
| | EQ. | EQUAL |
| | EQUIP. | EQUIPMENT |
| | ETC. | ET CETERA |
| | EXIST. | EXISTING |
| | EXT. | EXTERIOR |
| F | F.D. | FLOOR DRAIN |
| | FDN. | FOUNDATION |
| | F.E. | FIRE EXTINGUISHER |
| | FIN. | FINISH |
| | FIXT. | FIXTURE |
| | FLR. | FLOOR |
| | F.R.P. | FIBERGLASS REINF. PLASTIC |
| | FT. | FEET/FOOT |
| | FTG. | FOOTING |
| G | GA. | GAGE/GUAGE |
| | GALV. | GALVANIZED |
| | G.C. | GENERAL CONTRACTOR |
| | GL. | GLASS |
| | GYP. | GYPSUM |
| H | H.C. | HANDICAP ACCESSIBLE |
| | H.C. | HOLLOW CORE |
| | HDR. | HEADER |
| | H.M. | HOLLOW METAL |
| | H.P. | HIGH POINT |
| | H.R.C. | HEATING & REFRIGERATION CONTRACTOR(S) |
| | HT. | HEIGHT |
| | H.V.A.C. | HEATING, VENTILATION, AIR CONDITIONING |
| I | IN. | INCHES |
| | INFO. | INFORMATION |
| | INT. | INTERIOR |
| | INSUL. | INSULATION |
| J | J-BOX | JUNCTION BOX |
| | JST. | JOIST |
| K | K.E.S. | KITCHEN EQUIPMENT SUPPLIER |
| L | LAM. | LAMINATE |
| | LAV. | LAVATORY |
| | LBS. | POUNDS |
| | L.F. | LINEAL FOOT |
| | L.P. | LOW POINT |
| M | MANUF. | MANUFACTURER |
| | MAX. | MAXIMUM |
| | MECH. | MECHANICAL |
| | MIN. | MINIMUM |
| | MISC. | MISCELLANEOUS |
| | M.O. | MASONRY OPENING |
| | MSRY. | MASONRY |
| | MTD. | MOUNTED |
| | MTL. | METAL |
| N | N.I.C. | NOT IN CONTRACT |
| | N.T.S. | NOT TO SCALE |
| O | O.C. | ON CENTER |
| | O.D. | OUTSIDE DIAMETER |
| | O.H. | OPPOSITE HAND |
| | OPNG. | OPENING |
| | OPP. | OPPOSITE |
| | OPT. | OPTIONAL |
| P | PL. | PLATE |
| | PLUMB. | PLUMBING |
| | PLYWD. | PLYWOOD |
| | PNL. | PANEL |
| | PR. | PAIR |
| | PREP. | PREPARATION/PREPARED |
| | PT. | PART/POINT |
| R | R.A. | RETURN AIR |
| | RAD. | RADIUS |
| | RECPT. | RECEPTACLE |
| | REINF. | REINFORCING |
| | REQ'D. | REQUIRED |
| | R.O. | ROUGH OPENING |
| | R.T.U. | ROOF TOP UNIT |
| S | S.C. | SOLID CORE |
| | SCHD. | SCHEDULE |
| | SF. | STOREFRONT |
| | SHT. | SHEET |
| | SIM. | SIMILAR |
| | SPECS. | SPECIFICATIONS |
| | SPRINK. | SPRINKLERS |
| | SQ. | SQUARE |
| | S.S. | STAINLESS STEEL |
| | STD. | STANDARD |
| | STL. | STEEL |
| | STRUCT. | STRUCTURAL/STRUCTURE |
| | SUSP. | SUSPENDED |
| T | T.O. | TOP OF |
| | T&B | TOP & BOTTOM |
| | T&G | TONGUE & GROOVE |
| | TEMP. | TEMPERED |
| | TYP. | TYPICAL |
| V | V. | VOLT/VOLTAGE |
| | V.C.T. | VINYL COMPOSITION TILE |
| | VERT. | VERTICAL |
| W | W/ | WITH |
| | W/O | WITHOUT |
| | W.B. | WALL BASE |
| | W.C. | WATER CLOSET |
| | WD. | WOOD |
| | W.H. | WATER HEATER |
| | WDW. | WINDOW |
| | WT. | WEIGHT |
| | W.W.F. | WELDED WIRE FABRIC |

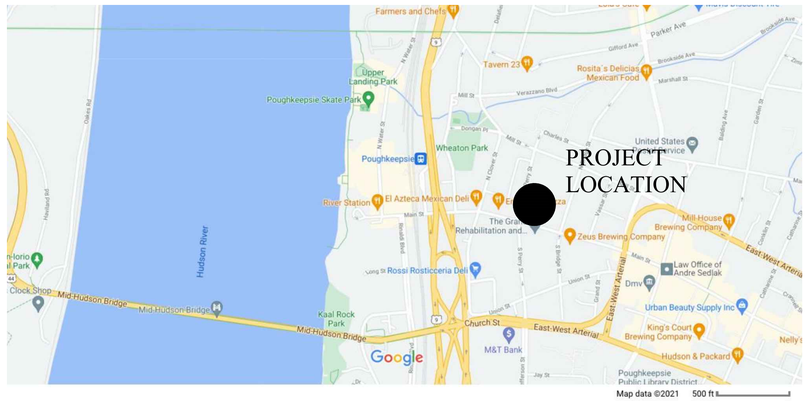
## SITE DATA

## SYMBOL LEGEND




## LOCATION MAP




## DRAWING INDEX


| Sheet Number | Sheet Name |
|---|---|
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| T-101 | TITLE SHEET |
| G-101 | ZONING INFORMATION |
| G-102 | ADJOINING PROPERTIES MAP |
| 2 - ARCHITECTURAL | |
| PZ-100 | PROPOSED SITE PLAN |
| PZ-101 | GROUND FLOOR PLAN |
| PZ-102 | 2ND - 4TH FLOORS |
| PZ-103 | 5TH FLOOR PLAN |
| PZ-104 | WEST ELEVATION / SOUTH ELEVATION |
| PZ-105 | EAST ELEVATION / NORTH ELEVATION |
| PZ-106 | WEST SITE SECTION/SOUTH SITE SECTION |
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| PZ-108 | RENDERINGS LOOKING NORTH/SOUTHWEST |
| 3 - CIVIL | |
| SUB-1 | SUBDIVISION PLAT |
| SG-1 | SITE GRADING PLAN |
| SD-1 | SITE DRAINAGE PLAN |
| UT-1 | UTILITIES PLAN |
| EC-1 | EROSION & SEDIMENTATION CONTROL PLAN |
| TT-1 | TRUCK TURNING PLAN |
| NS-1 | NOTE SHEET |
| DN-1 | SITE DETAILS |
| DN-2 | SANITARY / WATER DETAILS |
| DN-3 | STORMWATER DETAILS |
| DN-4 | EROSION CONTROL DETAILS |
| 4 - LANDSCAPE | |


*THIS DRAWING IS FOR SCHEMATIC DESIGN PURPOSES ONLY AND IS NOT INTENTED FOR CONSTRUCTION. ACTUAL CONSTRUCTION DRAWINGS, AND SUBSEQUENT CONSTRUCTION MAY DIFFER SIGNIFICANTLY FROM THIS REPRESENTATION.


TINKELMAN ARCHITECTURE
25 Van Wagner Road,
Poughkeepsie,
New York 12603
www.tinkarch.com


CLIENT NAME: OMNI NEW YORK
909 THIRD AVE., 21st FLOOR
NEW YORK CITY, NY 10022

PROJECT NAME: ADMIRAL HALSEY II
135 MAIN STREET
POUGHKEEPSIE, NY 12603

REGISTERED ARCHITECT STEVEN TINKELMAN 16528 STATE OF NEW YORK

TITLE SHEET

Date: 2021.06.22
Project number: Y1629.20

T-101

6/3/2021 10:45:37 AM

P:\TA Jobs\Y1815.00 - Valley Christian Church Sheafe Road\Revit\Project\Valley Christian - PB - 2021.05.10.rvt

# Transmittal

**Date:** **June 18, 2021**

**To:** **Natalie Quinn – Planning Director**

**Company:** **City of Poughkeepsie**

**Address:** **62 Civic Center Plaza**
**Poughkeepsie, NY 12601**

**Re:** **Admiral Halsey Apartments Inc. – Site Plan Review**
Property: 135 Main Street, Poughkeepsie NY 12601

**Job number:** **Y1626.20**

**From:** **Robert Turner**

**Via:** **Hand Delivery**

| Quantity | Date | Number | Description |
|---|---|---|---|
| 1 set | 2021.06.22 | | Site Plan Application Submission Package:<br>▪ Cover Letter – Tinkelman Architecture PLLC<br>▪ Owner Authorization Letter – Omni New York LLC<br>▪ Application of site Plan, Special Permit & Façade Approval<br>▪ Application for Subdivision Approval<br>▪ SHPO Approval Letter – 2020.11.17<br>▪ SEQR FEAF<br>▪ Site Plan Application Submission Drawing Set (23 Sheets)<br>▪ Site Plan Application Fee – Check 115693679<br>▪ Subdivision Application Fee – Check 14838 |

**Message:**

Natalie –
This submission is being provided to you so that you can conduct your review of the material that is being provided to determine its completeness. Please do not hesitate to reach out to me to discuss the material that has been provided or to clarify anything. If the Site Plan Submission Package is deemed to be complete, at your earliest convenience, provide a written response. Our office will then prepare the necessary number of applications sets for submission to the Planning Department.

It is our intent to be able to have the project included as part of the July 20th Planning Board Meeting.

Rob

NEW YORK STATE OF OPPORTUNITY. | Parks, Recreation, and Historic Preservation

**ANDREW M. CUOMO**
Governor

**ERIK KULLESEID**
Commissioner

November 17, 2020

Kenneth Spillberg
Senior VP Development - Omni New York LLC
909 Third Avenue
Floor 21
New York, NY 10022

Re: NYSHCR
Admiral Halsey Senior Village Phase II: New Construction
135 Main St, Poughkeepsie, NY 12601
20PR07157

Dear Mr. Spillberg:

Thank you for requesting the comments of the New York State Historic Preservation Office (SHPO). We have reviewed the provided documentation in accordance with Section 106 of the National Historic Preservation Act of 1966. These comments are those of the SHPO and relate only to Historic/Cultural resources. They do not include other environmental impacts to New York State Parkland that may be involved in or near your project. Such impacts must be considered as part of the environmental review of the project pursuant to the National Environmental Policy Act and/or the State Environmental Quality Review Act (New York Environmental Conservation Law Article 8).

The project area is located between the Mill Street-North Clover Street Historic District and the Union Street Historic District, both of which are listed in the State and National Registers of Historic Places. Our office has reviewed the proposed construction of a new 7-story residential building. Based upon our review, it is the SHPO's opinion that the project will have No Adverse Effect on historic or archaeological resources. If there are substantive changes to the project consultation with our office should resume.

If you have any questions, I can be reached by email.

Sincerely,

Derek Rohde
Historic Site Restoration Coordinator
e-mail: derek.rohde@parks.ny.gov

via e-mail only

# Omni New York LLC

June 18, 2021

Chairman Robert Levine and
Members of the Planning Board
City of Poughkeepsie
62 Civic Center Plaza
Poughkeepsie, NY 1260

***Re: Admiral Halsey Apartments Inc. - Owner Authorization and Assurances***
***Property: 135 Main Street, Poughkeepsie, New York***

Dear Chairman Levine and Members of the Planning Board

Admiral Halsey Apartments Inc. ("Property Owner" or "Applicant"), an affiliated entity of Omni New York, LLC, is the record owner of property located at 135 Main Street, Poughkeepsie, New York (the "Project Site"). By this letter, the Property Owner authorizes the following entities to appear before the City of Poughkeepsie in furtherance of its proposed multifamily development on the Project Site: (1) Tinkelman Architecture PLLC, (2) The LRC Group, and (3) Hillmann Consulting.

In addition to the above, we submit that the Applicant and its affiliate Omni New York, LLC have a proven track record of large scale multifamily urban revitalization projects throughout New York State. The Applicant will secure funding from the following sources for the proposed multifamily development: Federal and State Low Income Housing Tax Credits, Capital Subsidy from the New York State Department of Housing and Community Renewal, and construction loans and mortgages from private lenders.

We look forward to working with the City in furtherance of this project.

Very Truly Yours,

Ken Spillberg
Senior Vice President of Development

909 Third Avenue, 21st Floor, New York, NY 10022 phone: 646-502-7200 fax: 212-486-0362

RIVKIN RADLER LLP
ATTORNEYS AT LAW

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RICHARD A. FRANKEL
Partner
(518) 641-7074
Richard.Frankel@rivkin.com

September 9, 2021

**VIA ELECTRONIC MAIL**
*NQuinn@cityofpoughkeepsie.com*

Natalie Quinn
Planning Director
City of Poughkeepsie, New York
Building Planning & Zoning
Municipal Building
62 Civic Center Plaza, 2nd Floor
Poughkeepsie, New York 12601

**Re: Site Plan Review and Special Permit Applications of**
**St. Joseph's Rehabilitation Center, Inc.**
**Property: 69 & 73 Catharine Street**
**Poughkeepsie, New York 12601 (the "Property")**
**Parcel Nos.: 131300-6162-70-201163-0000 and 131300-6162-70-198164-0000**
**Planning Board Meeting held on November 17, 2020; File #2020-024**
**File No.: 892275.14**

Dear Ms. Quinn:

As you may recall, my law firm represents St. Joseph's Rehabilitation Center, Inc. ("St. Joseph's") in connection with the above-referenced applications and the approvals obtained from the Planning Board at its November 17, 2020 meeting. In accordance with the Chairman's letter dated November 25, 2020, St. Joseph's is requesting a one-year extension of the approvals in order to meet the conditions provided for in the November 17, 2020 approval and November 25, 2020 letter.

Should you have any questions, or require any additional information, please do not hesitate to contact me.

Very truly yours,

RIVKIN RADLER LLP

Richard A. Frankel

cc: Paul Ackermann *(via Electronic Mail only)*
Robert Ross *(via Electronic Mail only)*
Michael Coon *(via Electronic Mail only)*
Andrew Chary *(via Electronic Mail only)*

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RICHARD A. FRANKEL
Partner
(518) 641-7074
Richard.Frankel@rivkin.com

October 4, 2021

**VIA ELECTRONIC MAIL**
*NQuinn@cityofpoughkeepsie.com*

Natalie Quinn
Planning Director
City of Poughkeepsie, New York
Building Planning & Zoning
Municipal Building
62 Civic Center Plaza, 2nd Floor
Poughkeepsie, New York 12601

**Re: Site Plan Review and Special Permit Applications of**
**St. Joseph's Rehabilitation Center, Inc.**
**Property: 69 & 73 Catharine Street**
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**Parcel Nos.: 131300-6162-70-201163-0000 and 131300-6162-70-198164-0000**
**Planning Board Meeting held on November 17, 2020; File #2020-024**
**File No.: 892275.14**

Dear Ms. Quinn:

My law firm represents St. Joseph's Rehabilitation Center, Inc. ("St. Joseph's") in connection with the above-referenced applications and the approvals obtained from the Planning Board at its November 17, 2020 meeting. By letter dated September 9, 2021, we requested on behalf of St. Joseph's a one-year extension of the approvals to meet the conditions provided for in the November 17, 2020 approval and the Chairman's letter dated November 25, 2020. In response to your September 22, 2021 email, please accept this letter as additional information supporting the request for an extension.

Since the approval of the applications, my client informs me that it has pursued various avenues of funding for the project, including loans and grants. Some of the funding is necessary to commence and complete design documents to respond to information requests of the City's Engineering Department dated October 14, 2020. I am informed that until the design documents are farther along those information requests cannot be answered. My client has been actively seeking a loan to fund the design portion of this project and expects to close on a bank loan for funding of the design work this month. Other aspects that have delayed the advancement of this project, as you can imagine, are considerations associated with the ongoing COVID-19 pandemic.

As to the parking agreement and the trail easement, those have been drafted and such drafts have been provided to City Corporation Counsel for consideration.

Should you have any questions, or require any additional information, please do not hesitate to contact me.

Very truly yours,

RIVKIN RADLER LLP

Richard A. Frankel

cc: Paul Ackermann *(via Electronic Mail only)*
Robert Ross *(via Electronic Mail only)*
Michael Coon *(via Electronic Mail only)*
Andrew Chary *(via Electronic Mail only)*