City of Poughkeepsie
Planning Board
Meeting Agenda

Common Council Chambers
Tuesday, September 20, 2022
6:00 PM

I. CALL TO ORDER

II. APPROVAL OF MEETING MINUTES

1. Approval of August 16, 2022 Minutes

III. EXTENSION APPROVALS

1. **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 Owner LLC (Eric Baxter); Consultant: MASS Design Group; Zoned Poughkeepsie Innovation District – Historic Core (PID-HC) Subdistrict; Grid #6162-77-091064; File #2021-003

IV. PUBLIC HEARINGS FOR SITE PLANS/SPECIAL PERMITS/SUBDIVISIONS

1. **135 MAIN STREET: MULTIFAMILY RESIDENTIAL SUBDIVISION** Applications for Site Plan Review and Subdivision for subdivision of the property at 135 Main Street into two lots of record and 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

2. **117 NORTH HAMILTON STREET** Application for site plan review relative to proposed wholesale storage, warehousing, manufacturing, creative, retail, contracting business.

Two structures with 34 off-street parking spaces planned. Owner: 117 N Hamilton, LLC/North Hamilton Parcel LLC; Applicant: Baxter Development Corp.; Consultant: Rohde, Soyka & Andrews, Consulting Engineers, PC; Grid #6162-63-271278/266293; Zoning District: Light Industrial (I-1) District; File #2022-020

3. **176 Rinaldi Boulevard: Site Plan** Application for site plan review relative to the proposed two-story accessory building with a building footprint of 1,000 square feet, gross floor area of 1,800 square feet and unattached canopy located in the parking area. Owner/Applicant: Poughkeepsie waterfront Development, LLC; Consultant: Tinkelman Architecture, PLLC; Grid #6061-26-744884; Zoning District: Waterfront District; File #2022-035

City of Poughkeepsie Planning Board
Meeting Minutes

Common Council Chambers

Tuesday, August 16, 2022 6:00 PM

I. CALL TO ORDER at 6:06 pm with the pledge of allegiance.

II. APPROVAL OF MEETING MINUTES

Approval of July 19, 2022 Minutes
Motion: Marge, **Second:** Nick, **Carried:** 6:0:1

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

1. 117 NORTH HAMILTON STREET

Application for site plan review relative to the proposed wholesale storage, warehousing, manufacturing, creative, retail, contracting business. A two story structure with 34 off-street parking spaces are planned. Owner: 117 N Hamilton, LLC/North Hamilton Parcel LLC; Applicant: Baxter Development Corp.; Consultant: Rohde, Soyka & Andrews, Consulting Engineers, PC; Grid #6162-63-271278/266293; Zoning District: Light Industrial (1-1) District; File #2022-020
REVIEW AND PUBLIC HEARING ADJOURNED TO SEPTEMBER 20, 2022

Public Hearing Opened
Motion: Marge
Second: Rosaura
Carried: 6:0:1

Motion to adjourn review to September 20, 2022
Motion: Sean,
Second: Rosaura
Carried: 6:0:1

Natalie confirmed the applicant received approval from the ZBA at the last meeting and is still working on some of the details for the planning board. There are some complaints about the use of the site that are being addressed by code enforcement and proper violations will be posted. As with all violations, they property owner will have 30 days to rectify the matter.

IV. SITE PLANS/SPECIAL PERMITS/SUBDIVISIONS

The one other change to the printed agenda includes addition of an application for 176 Rinaldi Blvd. This application has been added for first time review under site plans and special permits and subdivisions. There will be no motions or actions taken on the application at tonight's meeting.

1. 15 NORTH CHERRY STREET: ADAPTIVE REUSE RESIDENTIAL Application for site plan/special permit review relative to the proposed conversion of the existing building at 15 North Cherry Street from a warehouse to a multiple residence containing 42 dwelling units, including

site improvements such as off-street parking, a playground and a dog park. Owner: North Cherry Holdings, LLC; Applicant: Chaim Hirsh; Consultant: AB Architekten; Grid #6162-77-092099; Zoning District: General Commercial (C-3) District; File #2022-011

Presenting: Michael Boyce, Mark Ackerson of AB Architekten, Christian Paggi of Paggi Engineering

Mark spoke about the changes made to the application since the last meeting:

- Landscaping along N Cherry and general landscaping - Michael reviewed the landscaping changes. One is a change to using little quick fire hydrangeas along N Cherry instead, returning to the regular quickfire hydrangeas in the back; low plantings have been added to the walk.
- Boilerplate Easement Agreement for area along Fall Kill has been sent over by the city
- Lighting / Decking strategy - Mark discussed lighting and decking material. They found a better decking possibility that may meet aesthetic goals. Samples of a new decking are forthcoming. They are leaning toward the lighting underneath the platforms. Sean requested a review of the decking material especially with concern to the effect of heat over time and how the color choice might change the lighting.

  Natalie confirmed that, for the sake of approval, it is safe to say the applicant proposes using under the platform lighting and acknowledges that if that lighting strategy were to change the applicant would return to the planning board for approval. Mark agreed.
- Fencing along N Cherry - applicant feels that some sort of fencing is needed for policing of the parking lot. Looking at putting a 4ft fence behind bushes with roller gates at entrance and exit of the lot with three pedestrian entrances. The board confirmed that it is now part of the plan. Mark confirmed and indicated that black fencing will be used. And later confirmed that it is on the site plan but poorly marked. Different options were discussed in terms of the type of gate used.

  - Rosaura posed concerns about traffic - the street is narrow and that traffic flow will be disrupted while a car is waiting for the gate to open. A discussion regarding the rolling gate, possible issues surrounding it and what other options may be.

  - Natalie stated that the city would probably support the gate but has not had time to review this since it was just introduced. Robert Levine asked - If the applicant deems it a necessary element, can it be added as a condition on an approval, if it were given tonight, that it meet board and other city department review and approval.

  Natalie clarified that conditions may be added to the approvals regarding the materials and the gate and that the gate would need to be reviewed by both engineering and fire before a final approval

Chris Kroner from MASS Design asked for clarification of the direction on the decking in reference to drainage and the width on the planks. Mark confirmed that it will still be parallel to the face of the building and they would be about 5.5” (hand size). Chris also commented on the tightness of the dog park and playground. The response is that it is not a public park so the usage is only for those residents of the building who have a dog or children. The demographics show that there probably will not be many children or families residing in these units. The fence between the two is more for the safety of the children and to keep it as a safe place for them to play.

Marge presented the Resolutions:

WHEREAS, the Planning Board has received an application from Chaim Hirsh and North Cherry Holdings, LLC the proposed conversion of the existing building at 15 North Cherry Street from a warehouse to a multiple residence containing 42 dwelling units, including site improvements such as off-street parking, a playground and a dog park, File #2022-011; and,

WHEREAS, this application has been classified as a Type 2 Action for the purposes of SEQRA, requiring no further environmental review; and,

WHEREAS, the action is more fully detailed on a site plan and elevations prepared by ab architekten, dated 7/26/22, and supplemental documentation including tonight's presentation; and,

WHEREAS, on July 12, 2022, the Zoning Board of Appeals granted variances regarding off-street parking and location of the refuse container in the front yard and within 30 feet of the Fall Kill; and,

WHEREAS, Section 19-6.1 of the Zoning Ordinance provides that if the cost of improvements is anticipated to be in excess of $30,000, a performance bond will be established to cover the cost of improvements, based on advice from the City Engineer, following the recommendations of the Engineering Department, a performance bond will be established; and,

WHEREAS, upon completion of the project, prior to the issuance of the final certificate of occupancy, an as-built site plan set shall be submitted to the Planning Department for certification of compliance with Planning Board approval; and,

NOW THEREFORE BE IT FURTHER RESOLVED that the Board grant site plan approval relative to the proposed conversion of the former warehouse at 15 North Cherry Street to a multiple residence containing 42 dwelling unit, with the following conditions:

- Applicants shall include restrictions in either the lease or building rules and procedures limiting the storage on balconies so that excessive items do not clutter the balcony or interfere with those walking through the balcony area.
- A Trail Easement Agreement shall be established with the City of Poughkeepsie for potential future access to the Fall Kill or creation of recreational trail.
- All comments of the Engineering Department on April 13, 2022 and the Fire Department on August 16, 2022 shall be satisfied to the satisfaction of the department.
- Applicants will return for final approval of decking material and the fencing and gate.

Motion: Marjorie Smith **Second:** Rosaura Andújar-McNeil **Carried:** 7:0:0
Roll Call: Robert Levine- Aye, Marjorie Smith –Aye, Rosaura Andújar-Aye, Robert Mallory –Aye, Nick Deluccia –Aye, Sean O'Donnel –Aye, Brian Veltre-Aye

2. **135 MAIN STREET: MULTIFAMILY RESIDENTIAL SUBDIVISION** Applications for Site Plan Review and Subdivision for subdivision of the property at 135 Main Street into two lots of record and construction of a new building containing 72 dwelling units on the new lot with the original lot containing an existing multiple dwelling with 119 units, including reconfiguration of off-street parking and open space. 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

Natalie began by giving a brief summary of review that has taken place before the Zoning Board of Appeals and the fact that, because of the size of the project the Zoning Board wants to coordinate with the Planning Board with regards to the SEQRA., and has consented to the Planning Board serving as lead agency for a coordinated review.

Ken Casamento from LRC Group presented on behalf of the application. He gave a brief summary of the project since it has been a while since the board has seen the project. He highlighted that the proposed use is permitted and encouraged under the R6 zoning district , the proposed open space located between both buildings, location of the new proposed building, and how it works with the initial building to seem like one property although it is two.

Marge asked about the retaining wall located on the North end of the property that is in disrepair. It was confirmed that the load bearing portion of the wall is on City property and that the applicant would not be going near or be disturbing that portion of the wall.

Rosaura requested clarification on landscaping and open space. Ken explained that the usable open space when broken into two lots, there is not a lot of space, but when considered together, as they are intended to be used, there is quite a bit. Ken also explained how he and Judith calculated the amount of open space proposed on site.

Natalie discussed the draft EAF Part 2 & 3 of the SEQRA prepared by staff and explained the identified potential impacts. Clarification was requested from the applicant on the soil removal in terms of quality, how it would be removed, tested etc. The applicant stated that it would be around 1700 -1800 tons. Rosaura requested greater detail on how this aspect would be handled in terms of removal and traffic control etc..

#10 was discussed by the Board due to the proximity of the project to Historic Districts such as Union Street and Mill Street. The Board also reviewed a letter submitted by the Office of Parks, Recreation and Historic Preservation ("OPRHP") noting that they found a previous iteration of the submission, which included a larger building, would have no adverse impact on historic assets within the area. , The Board requested that the revised plan be submitted to OPRHP for updated comment. The applicant confirmed that this has been done and that they are waiting for a response. Rosaura recommend that staff add additional language to Part 2 and 3 of the EAF clarifying that the project will have no adverse impact on historic assets due to the proposed size and architecture, and because of the developed nature of the area.

#13 Impacts to Transportation was marked as "yes" because the addition of 72 units would have an impact on the area. However, the project and impact does not exceed any of the subsection thresholds, which was reinforced by the parking study submitted by the applicant.

#14 Energy Demand – it was similarly indicated that energy demand will increase from the project but none of the subsection thresholds are met.

Sean requested that for the next submission the applicant should give additional information on lighting, whether it's going to be dark sky compliant, and indicate whether foot candles will bleed onto adjoining properties.

With no further questions, Natalie confirmed that the applicant plans to appear before the Planning Board again on September 20, 2022 and that the public hearing would be re-opened for that meeting.

Sean commented on the landscaping and planting choices. The applicant confirmed that they will be better addressed in the next submission as things are still being clarified.

A motion was made to re-open the public hearing on September 20, 2022.

Motion: Marge
Second: Rosaura
Carried: 7:0:0

3. **176 Rinaldi Boulevard** - added to the agenda for site plan initial review

Presenting Joe Bonura Partner in the Shadows and Grandview property. Natalie clarified that the Deputy Zoning Director had written with some deficiencies in the site plan and until they are received, the project will not be formally posted and added to the agenda. The deficiencies were minor so the board is comfortable taking a look at the plans but there will be no action made this evening.

Joe reviewed the project and the reasons for needing an added facility, referred to as the Wedding Cottage. The proposed facility would be 1800 square feet on the North end of the property and ideally used only for bathroom facilities and a wedding suite on the second floor. There are no changes to the current usage, traffic flow, and sewage usage as is not facilitating more guests only relocating them. There is also a drop off area intending to help separate the indoor from outdoor guests. The building is a two story structure with bathrooms located and some storage on the bottom floor, and a grand staircase to the second floor to a wedding suite and for the wedding couple to use to prepare for the wedding. There will be an elevator for handicap accessibility. They tried to mimic the architecture that was used in the Grand view to keep continuity but they did use some different materials to give it a little more texture. The building can barely be seen from the road because it is tucked away in the hill. They are very close to the Hudson River and are sensitive to that but, as shown, it can also not really be seen from the walkway along the water, on or across the River.

The board commented that the portico needs to somehow blend in a little better. The applicant will work on some options and resubmit a plan for that.

The board suggested that, because of its proximity to the Hudson River the project should potentially go before the Waterfront Advisory Committee for consistency review with the LWRP.

A public hearing was set with regard to file # 2022-035, the proposal at 176 Rinaldi Boulevard, to set a public hearing for September the 20th of 2022.

Motion: Marge
Second: Sean
Carried: 7:0:0

The board discussed whether to bring in an architectural consultant. It was deemed unnecessary due to the small size of the project and its lack of visibility from any public right-of-way. A timeline was discussed as well. The applicant wants to try for approval in September. Since the changes to the plan were minor, they need to submit revised copies for circulation, electronic copies and give public notice for the hearing.

A motion was made to adjourn the meeting at 7:48pm:

Motion: Marge
Second: Sean
Carried: 7:0:0

August 18, 2022

City of Poughkeepsie Planning Board
62 Civic Center Plaza
Poughkeepsie, NY 12601
Re: 316 Main Street project

To the City of Poughkeepsie Planning Board,
We are requesting a one-year extension to the Planning Board approval (granted September 21,2022) for the project at 316 Main Street.

Because this is an infill project, there have been complications with the design and budget. At the moment, design is in full swing and we expect to pull permits in the new year.

We appreciate your consideration of this extension and hope we can get on the agenda for the September 20, 2022 Planning Board meeting.

Thank you.

BAXTER
DEVELOPMENT
278 MILL ST, SUITE 100 | POUGHKEEPSIE, NY 12601 | 845.471.1047
BAXTERBUILT.COM

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

September 2, 2022

City of Poughkeepsie Planning Board
62 Civic Center Plaza, 3rd Floor
Poughkeepsie, NY 12601

RE: Admiral Halsey Phase II SEQR review
131300-6062-76-911183-0000
135 Main Street
City of Poughkeepsie, NY 12601

Dear Chairman Levine and members of the Planning Board,

The following letter responds to the Board's comments and questions during the SEQR review discussion at the August 16, 2022 Planning Board meeting. The responses follow the order of topics discussed at the meeting, which conform to the Part 2 EAF. The responses below also describe the additional notes and design changes that have been incorporated in the project. These notes and changes will be incorporated in the plan set which will be submitted after completion of SEQR review.

Impacts on Land:

Soil Removal:

The site work will involve removal of approximately 1700-1800 tons of soil from the project area. This work will take approximately three weeks to complete. The work will be done as part of the initial grading of the site. The site grading has been designed to create a very level site which provides ADA consistent grades to the new building and North Perry Street, and throughout the internal landscaped courtyard that will serve both Admiral Halsey I and Admiral Halsey II. The natural grade of the site slopes up from North Perry to the northeast where existing retaining walls are located along the property lines. The 1700-1800 tons of soil must be removed to obtain the desired grades to provide ADA access throughout the project area.

To provide appropriate procedures for the removal, a Soil & Materials Management Plan (SMMP) has been prepared by HK Engineering & Geology D.P.C., a copy of which is included in this submission. The soil removal will involve the trucking of the soil offsite to a suitable disposal location based on the requirements set forth in the SMMP Plan. The existing soil is to be treated as non-hazardous waste, historic urban fill, based upon the Phase II Environmental report provided by Hillman Consulting, LLC. Nonetheless, the SMMP provides a plan for monitoring during the removal operation. If hazardous material should be encountered during soil removal it shall be treated and disposed of in compliance with SMMP, Federal and State regulations. Notes will be added to the grading plans in the Site Plan Set confirming the steps as outlined in the SMMP, and referencing the SMMP Document, which shall remain on file with the Planning Board, City Engineer, and Building Inspector. The soil removal activities will follow the proposed construction hours of 6:30 AM through 9 PM Monday through Friday based on the City code requirements, the standard which will also apply to trucks during construction, and under the supervision of the City Engineer. As noted above, the duration of the soil removal activity is expected to be relatively brief, and to be completed within a three-week period.

Other than the removal of this soil, the impacts on land are in the nature of conventional construction activities which will take place over the approximately 24 months of project completion. These activities will incorporate the practices described in the SWPPP below, which are intended to assure that there will not be any significant adverse impacts on land.

SWPPP:
As this project will be requiring a full Stormwater Pollution Prevention Plan (SWPPP), we will be required to meet the NYSDEC standards for erosion and sediment (E&S) control practices for the entire duration of the project construction. The SWPPP will also incorporate standard erosion control measure such as a construction entrances and silt fencing, to control any sediment from leaving the construction area. In addition, the Erosion & Sedimentation plans will provide that dust control will be required and implemented based on the site conditions at the time of the soil removal. As required by the site design documents, appropriate measures have been included in the documents to avoid any potential significant impacts on land from ground disturbances.

Impact on Plants and Animals:

Landscaping:
We have reviewed the Board's comment on two specific tree species being short lived, particularly in regard to the Kwanzan Cherry. The planting plan will be revised to replace plants as follows:

- PSK – Prunus s. 'Kwanzan' (Kwanzan Cherry): Replace all 4 shown on plan with AL – Amelanchier laevis (Allegheny Serviceberry, multi-stem form).
- CFP – Cornus florida "Princess' (Princess Flowering Dogwood): Replace grouping of 5 with CC – Cercis candensis (Eastern Redbud, multi-stem form) and replace 2 on north side of courtyard with CV – Chionanthus virginicus (White Fringe Tree)

Both species of trees attract pollinators. Pollinators will also be considered as the landscaping plans are further developed and finalized.

Impacts on Historic and Archeological Resources:

The most dominant neighboring building feature to the proposed site of Admiral Halsey II is the existing Admiral Halsey I building, constructed in 1977. That building has been found by SHPO to be "not eligible to be listed on the State or National Register." While the project site is not actually "substantially contiguous" to buildings or districts listed or eligible to be listed, there are several designated historic districts in the general vicinity of the site, including the Mill Street - North Clover Historic District, Union Street Historic District, Second Baptist Church, Vassar Home for Aged Men, Vassar Institute, and Mill Street – North Clover Street Historic District (The 100 block of Main Street with Emiliano's is within the Mill Street-North Clover Street Historic District). Congruity with this historic setting has been deemed very important by the applicant and the Planning Board in discussing project design.

The project originally proposed a 7-story building for the Admiral Halsey II site, a height which is permitted under the current R-6 zoning. After discussions with the Planning Board and its consultants, the applicant modified the project layout to reduce the height of the building, and to incorporate a 4-story and a 5 story section of the building, with the lower-height section closer to the frontage on North Perry Street. The project architects also implemented design methods to reduce the apparent height of the building through use of colors and materials. The modified layout provides a porte-de-cochere entrance to the Admiral Halsey Building II along North Perry Street, and provides an effective street wall along North Perry Street, in keeping with design principles of the updated comprehensive plan. This refined design also accommodates an effective layout of private open space to be used by tenants of both buildings at the 135 Main Street site, with paths throughout both sites providing connectivity and substantial interface with the public realm along Main Street. Although the existing building is not historic, its substantial green-space setback from the Main Street front property line serves to integrate the property with the Main Street setting, and functions like a pocket-park within the overall street-wall being formed by newer buildings along Main Street. This setting also serves to reduce the visual scale of the 1977 building. The redesign of Building II provides a transition in height from the existing building to the lower buildings in the neighborhood. It is also noted that the properties surrounding 135 Main Street on the east, north, and south are, like the applicant's property, zoned R-6, a location for "intense residential development."

The original proposed project, a proposed 7 story residential building was submitted to OPRHP for review. A letter was received November 17, 2020, stating that it is the OPRHP's opinion that the project will have No Adverse Effect on historic archeological resources. Since the project was later changed to consist of a 4-5 story residential building, the project had been re-submitted to OPRHP and is currently under review. A response is scheduled to be issued by September 15, 2022 and thus should be available for review prior to the September 20, 2022 meeting. We do not expect any material changes to the OPRHP's response.

Impact on Open Space and Recreation:

The Project will not remove or adversely impact any recreational opportunities available to the public. It is noted that a public park is located just north of the site. The construction of the project will not undermine or adversely impact any of the infrastructure serving the public facilities.

Although this section of the EAF addresses open space and recreation accessible to the public, the discussion at the Planning Board also addressed the provisions in the City Code for "Usable Open Space" in residential projects, which apply to spaces available for the private use to tenants at a private building. "Usable Open Space" is defined in the Code as:

> USABLE OPEN SPACE: An unenclosed portion of the ground of a lot which is not devoted to driveways or parking spaces, which is free of structures of any kind, of which not more than 25% is roofed for shelter purposes only, the minimum dimension of which is 40 feet and which is available and accessible to all occupants of the building or buildings on said lot for purposes of active or passive outdoor recreation. Accessory building roof space may be substituted for ground space, provided that such space is available and accessible to all said occupants.

The proposed Usable Open Space at the project includes a variety of elements, which provide varied types of space, some of which is to be shared and accessed by the tenants in both buildings, and some of which will be used exclusively by one or the other:

Shared open space:

- Inner courtyard, which extends from the north side of Building I to the east and south sides of Building II. This space will be improved with a number of trees, a new gazebo, shrubs, seating, and various pathways, providing space for quiet seating as well as gathering. The space also connects, via pathways on the site, to the greenspace and path system along the sides and front yard of Admiral Halsey I.
- Raised planting beds, located along eastern boundary of property. These beds will be raised approximately 24 inches, providing easier access without requiring bending to the ground. These beds will replace those that are presently located at the far north end of the property.

Open Space exclusive to Building I:

- Building I will continue to use its substantial front yard and side yard lawn areas and pathways with benches for open space and recreation. This open space includes a roofed area, which forms a loggia or porch along the front of the building. Pathways are provided to create ready pathway access outside Building I to move from the front yard to the rear of Building I to enter the shared courtyard.

Open Space exclusive to Building II:

- Building II has exclusive access to a landscaped open space on the roof of building II. This area also provides a glassed-in roofed area with sliding door access to the roof deck. The deck area is fitted with pottend shrubs, and can be used for quiet sitting or for group gathering.

Additionally, although it does not constitute part of "usable open space," both buildings have ready access to the public sidewalk system and are close to many local amenities and to the Hudson riverfront parks.

Impact on Traffic and Transportation:

The proposed project will not result in a significant change to the existing transportation system. There will be some temporary construction traffic increases as noted above for the duration of the project, but these are temporary.

The EAF identified a potential impact as to whether the project will result in an increased demand for off-street parking that is not met by the on-site parking provided by the applicant. To provide an analysis of this question, the applicant has included with this submission a parking report prepared by Colliers Engineering, analyzing the parking demand to be produced by the new building, the combined parking demand of the two projects, and the proposed 68 parking spaces to be provided on the site. The Colliers report concludes that the proposed parking will be sufficient to provide for the parking needs of tenants of both buildings. The study also notes that HRH, as part of its participation in the project, is going to provide a full-time van, which will be available to the tenants of both building I and II, to transport them wherever they may wish to go, e.g. for shopping, medical visits, and recreation or entertainment.

Impact on Lighting:

All site lighting fixtures are dark sky compliant and the fixture cuts on the drawings have been amended to highlight the compliance. The smaller of two wall light fixtures, WLB, has been replaced with a different fixture that is dark sky compliant because the previously submitted WLB fixture had an upplight rating of U1.

Consistency with Community Plans/Community Character:

The Property is located within the R-6 zoning district, designed for the purpose of "intense residential development." The properties that are the most immediate neighbors of the project are also located within the R-6 zoning district. The proposed project is consistent within architectural scale and community character, in terms of overall density, as documented by the density study completed on July 26, 2022 for the project area, and submitted to the Planning Board on August 16, 2022. Attached to this letter is a copy of the Density study map, which superimposes the proposed layout of the project within an aerial photograph of the neighborhood in which the project is located. The visual demonstrates that in terms of scale and development, the project is very suitable to the neighborhood.

The existing zoning places no limit on the height of buildings. The proposed zoning, as demonstrated at the public open house on August 25th, indicates that the R-6 zoning will change its name to "R-5" and will provide for a height of 5 stories. The proposed Admiral Halsey II building complies with this proposed height.

The proposed project integrates the design of the Admiral Halsey building, completed in 1977, which featured significant setbacks from the primary street, used as a public/private interface within a landscaped setting with lawns, shrubs, and benches, with a newly created private and screened courtyard, shared by residents of both buildings. The project proposes to maintain and/or enhance the existing open space along with creating new open space with the addition of outdoor seating, enhanced pathways and landscaping, and a new gazebo in the interior courtyard. The proposal also provides a tree lined and landscaped streetscape along North Perry Street.

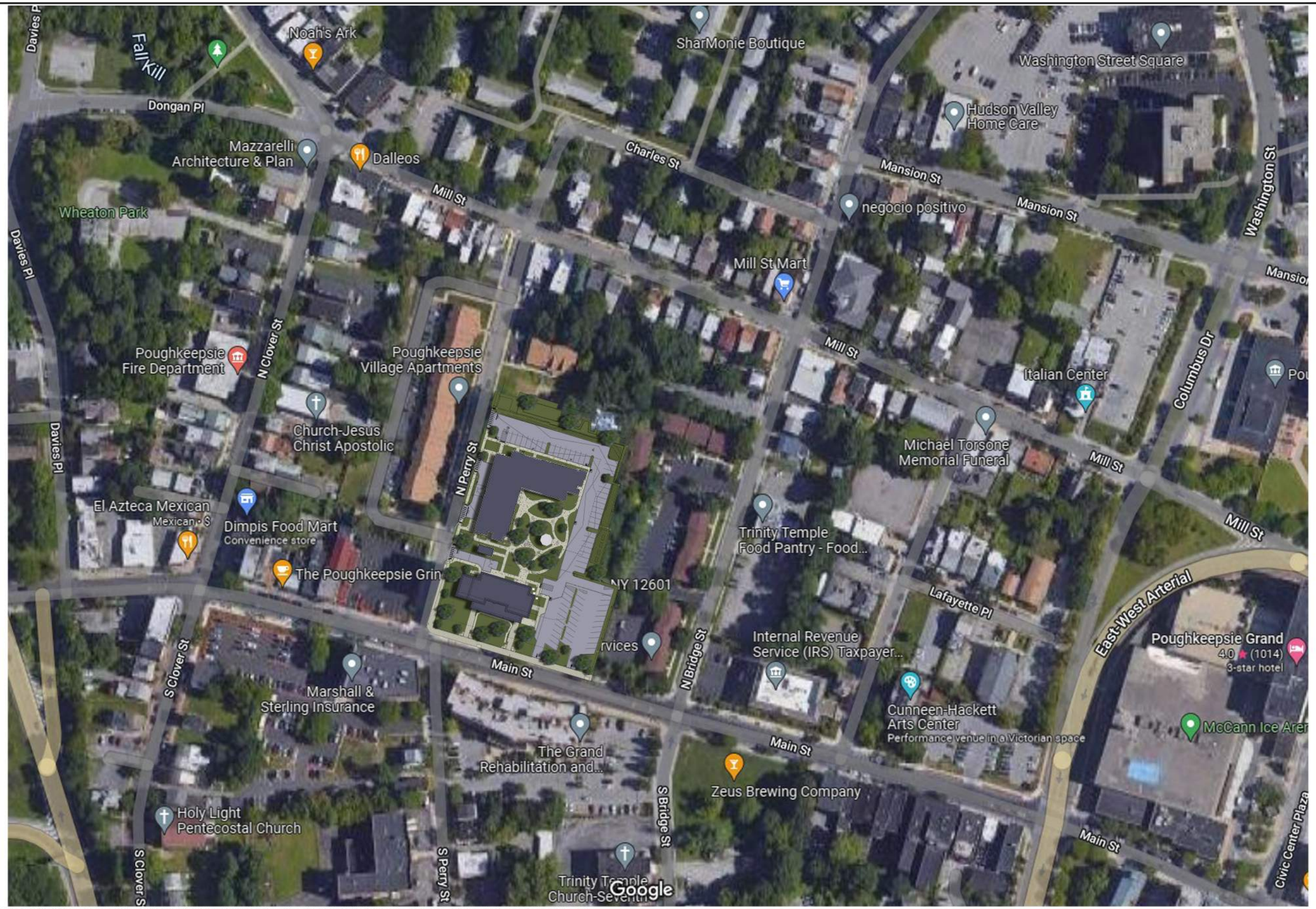
The proposed new building was originally presented as a 7-story building, somewhat similar to the existing building in terms of placement within the landscaped setting. The redesign that has resulted from dialogue with the Board and the public has resulted in a lower building, which creates a transition from the Main Street primary building face to the buildings that surround the site.

We thank you for your consideration and look forward to further discussion on SEQR with the Board on September 20th.

Sincerely,
LRC Engineering & Surveying, DPC

By: _____
Kenneth F. Casamento

Enclosures:
Soil & Materials Management Plan (SMMP)
Parking Study by Colliers Engineers
Density Study Map by Tinkelman Architecture



*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
33 Arlington Ave., 2nd Floor
Poughkeepsie,
New York 12603
www.tinkarch.com

CLIENT NAME:

Omni New York LLC

909 THIRD AVE. - 21ST FLOOR
NEW YORK, NY 10022

PROJECT NAME:

Admiral Halsey Two

135 MAIN STREET
POUGHKEEPSIE, NEW YORK 12601

SITE PLAN

Date: 22 July, 2022
Project number: Y1629.20

SD-02

SITE PLAN SUBMISSION SET

FOR

ADMIRAL HALSEY 11

135 MAIN STREET

CITY POUGHKEEPSIE, DUTCHESS COUNTY, NEW YORK

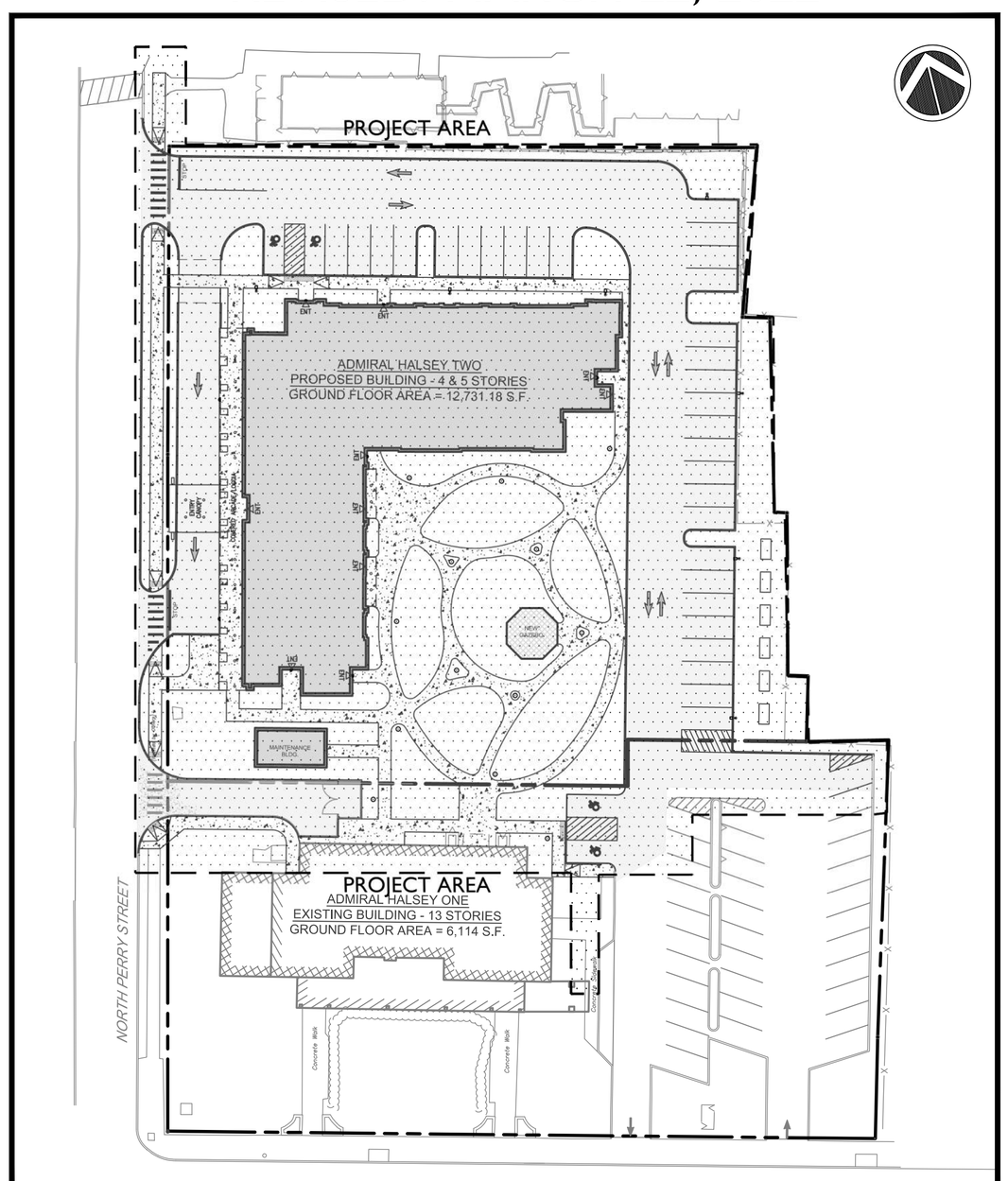
TAX MAP #6062-76-911183

LOCATION MAP

SCALE: 1"=1,000'

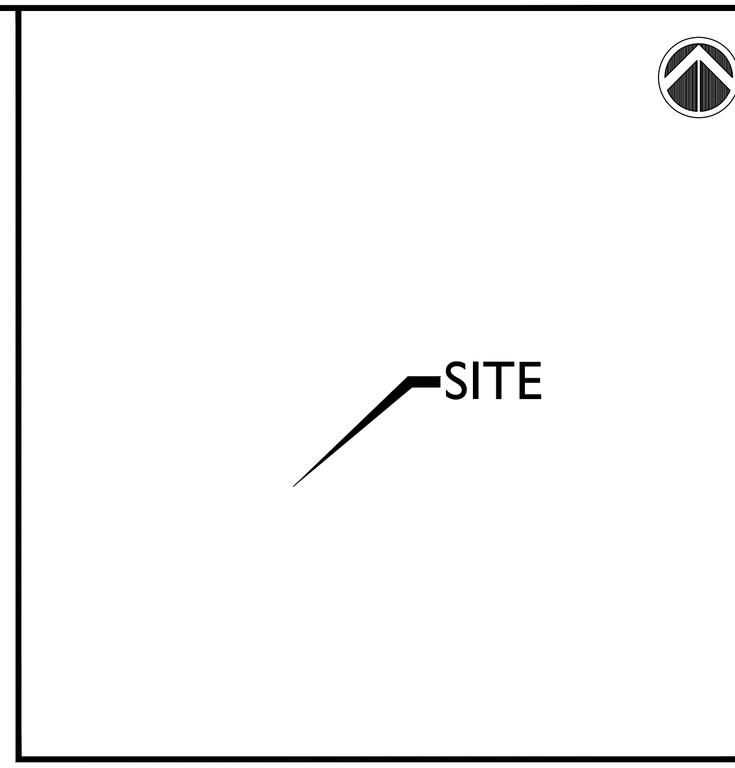
ORIGINALLY SUBMITTED: JUNE 15, 2021
REVISED: DECEMBER 21, 2021
REVISED:FEBRUARY 28, 2022

REVISED: MARCH 22, 2022



OVERALL SITE PLAN

SCALE: 1"=40'



VICINITY MAP

SCALE: 1"=200'

INDEX OF DRAWINGS

CV-1	COVER SHEET
EX-1	EXISTING CONDITIONS
SUB-1	SUBDIVISION PLAT
DM-1	DEMOLITION PLAN
SP-1	SITE PLAN
SG-1	SITE GRADING
SD-1	SITE DRAINAGE
UT-1	UTILITIES PLAN
EC-1	EROSION & SEDIMENTATION CONTROL PLAN
LL-1	LANDSCAPE PLAN
LP-1	SITE LIGHTING PLAN
TT-1	TRUCK TURNING PLAN
NS-1	NOTES SHEET
DN-1	SITE DETAILS
DN-2	SANITARY / WATER DETAILS
DN-3	STORMWATER DETAILS
DN-4	EROSION CONTROL DETAILS

SITE PLANNER / CIVIL ENGINEER:

LRC GROUP

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

85 Civic Center Plaza, Suite 204
Poughkeepsie NY 12601
Tel: 845.243.2880

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

www.lrcconsult.com

- 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 E MORRISON · LICENSED PROFESSIONAL ENGINEER · 074194

Rodney Morrison P.E. #074194

ARCHITECT:

TINKELMAN ARCHITECTURE
33 ARLINGTON AVE., 2ND FLOOR
POUGHKEEPSIE, NEW YORK 12603
(845) 473-0200

TA TINKELMAN ARCHITECTURE
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New York 12603
(845)473 - 0200
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OWNER / APPLICANT:

OMNI NEW YORK
909 THIRD AVENUE
21ST FLOOR
NEW YORK CITY, NEW YORK 10022
(646) 502-7200

Omni New York LLC

Omni America LLC

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

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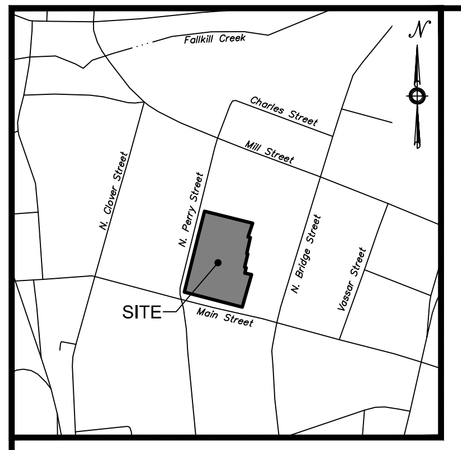

Vicinity Map
Scale: 1"=500'

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 & Bearings are referenced to the North American Datum of 1983 (NAD83) projected onto the New York State Plane East Zone based on field tie-in to map referenced in Note 7A.*
5. *Elevations & Contours are referenced to the North American Vertical Datum of 1988 (NAVD88) based on field tie-in to map referenced in Note 7A.*
6. *Field survey was completed on November 8, 2021.*
7. *Reference is made to the following maps:*
   A. *"ALTA/NSPS Land Title Survey Prepared for OMNI New York LLC, City of Poughkeepsie, County of Dutchess, New York", scale 1"=20', dated July 2, 2020, prepared by Chazen Engineering, Land Surveying & Landscape Architecture, Co., D.P.C.*
8. *Parcel is identified as Tax Section 6062, Block 76, Lot 911183 on the City of Poughkeepsie Assessor's Map.*
9. *Property is located in Zone "Other Areas – Zone X" (areas determined to be outside 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.*
10. *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.

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.

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

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

CITY OF POUGHKEEPSIE
Tax Parcel: 6062-76-912195

S29°38'00"E 231.43'

N/F
JOHN F. BAHRENBURG
Deed Doc. No. 02-2007-9023
Tax Parcel: 6062-76-931179
Lot B Filed Map# 6079

S18°40'30"W 67.10'
(Deed=S74°01'10"E) S74°25'20"E 10.83'
(Deed=S13°00'20"W) S12°36'10"W 76.50'
(Deed=S71°55'00"E) S72°19'10"E 5.00'
S13°35'00"W 64.00'
(Deed=S73°42'20"E) S74°06'30"E 8.01'
S15°31'00"W 25.87'
(Deed=S76°52'40"E) S77°16'50"E 32.49'
S16°03'00"W 117.31'
(Deed=S15°39'50"W) S15°15'40"W 39.99'
S13°35'00"W 278.82'

N/F
KIEFERT NEWBURGH JOACHIM
Deed Doc. No. 02-2006-8530
Tax Parcel: 6062-76-925155
Lot A Filed Map# 6079

N14°11'40"E 266.82'
(Deed=N14°15'50"E) N15°45'20"E 48.4'
N75°29'00"W
(Deed=N75°04'50"W)

NORTH PERRY STREET
MAIN STREET
NO PARKING

13 Story Brick Building AREA=6114 S.F.
12 Story Building Overhang
1 Story
Roof Overhang
Maintenance Building
Shed
Gazebo AREA=312 S.F.
Top of Building Elev = 242.4' Height = 126.9'
FF Elev=115.6

Asphalt Parking Area
Concrete Walk
Concrete Curb
Concrete Sidewalk
Chain Link Fence
Conc. Block Retaining Wall
Retaining Wall Dumpster Pad
Landscape Area
Garden Beds (Typ.)
Horseshoe Pit
Bench
Planter
Grass
Flag Pole
Shrub Row
Conc. Pad w/ Utility Box
Light Pole/ Traffic Signal Pole
Pedestrian Signal Pole
Existing DMH Per City mapping)
Existing SMH Per City mapping)
Edge of Pavement
Concrete Entrance
Pointed By Others
"No Parking"
"Reserved Parking"
"Handicapped"
"Resident Parking"
"Adm. Halsey"
"Enter"
"Exit"

Deed References
Deed Doc. No.
02-2007-7084

Total Parcel Area
2.29 Acres

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

Legend

	Property Line	●	Iron Pin, Pipe, Rebar, Drill Hole
200	Index Contour	○	Calculated Property Corner
	Intermediate Contour		Sign
	Treeline	•	Bollard
	Hedge/Shrub Line	×234.0	Existing Spot Grade
	Retaining Wall		Guy Wire
X X X	Fence		Utility Pole
	Storm Sewer	WV	Water Valve
S S S	Sanitary Sewer	HYD	Hydrant
W W W	Water Main	GV	Gas Valve
G G G	Gas Main	D	Drainage Manhole
E E E	Electric Line	S	Sanitary Manhole
T T T	Telephone Line	E	Electric Manhole
// //	Overhead Wire	T	Telephone Manhole
		U	Manhole, Utility Type Unknown
			Lamp Post
			Catch Basin
			Curbless Catch Basin
			Deciduous Tree
			Shrub
			Handicap Parking
			Soil Boring
		N/F	Now or Formerly (in Title of)
			Bituminous Concrete Surface
			Concrete Surface

No.	Date	Description
1.	12/21/2021	REVISED PER COMMENTS
2.	1/28/2022	REVISED PER COMMENTS
3.	3/22/2022	REVISED PER COMMENTS

Revisions

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

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

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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.

MAP OF EXISTING CONDITIONS

ADMIRAL HALSEY II

125 MAIN STREET
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NEW YORK

Design/Calcs	BS	CAD File	EX21273001.dwg
Drawn	FSMC	Project No.	20-2370
Checked	JFWC	Date	2021/12/2023
Approved	JFWM	Scale	1"=20'

Sheet No. EX-1

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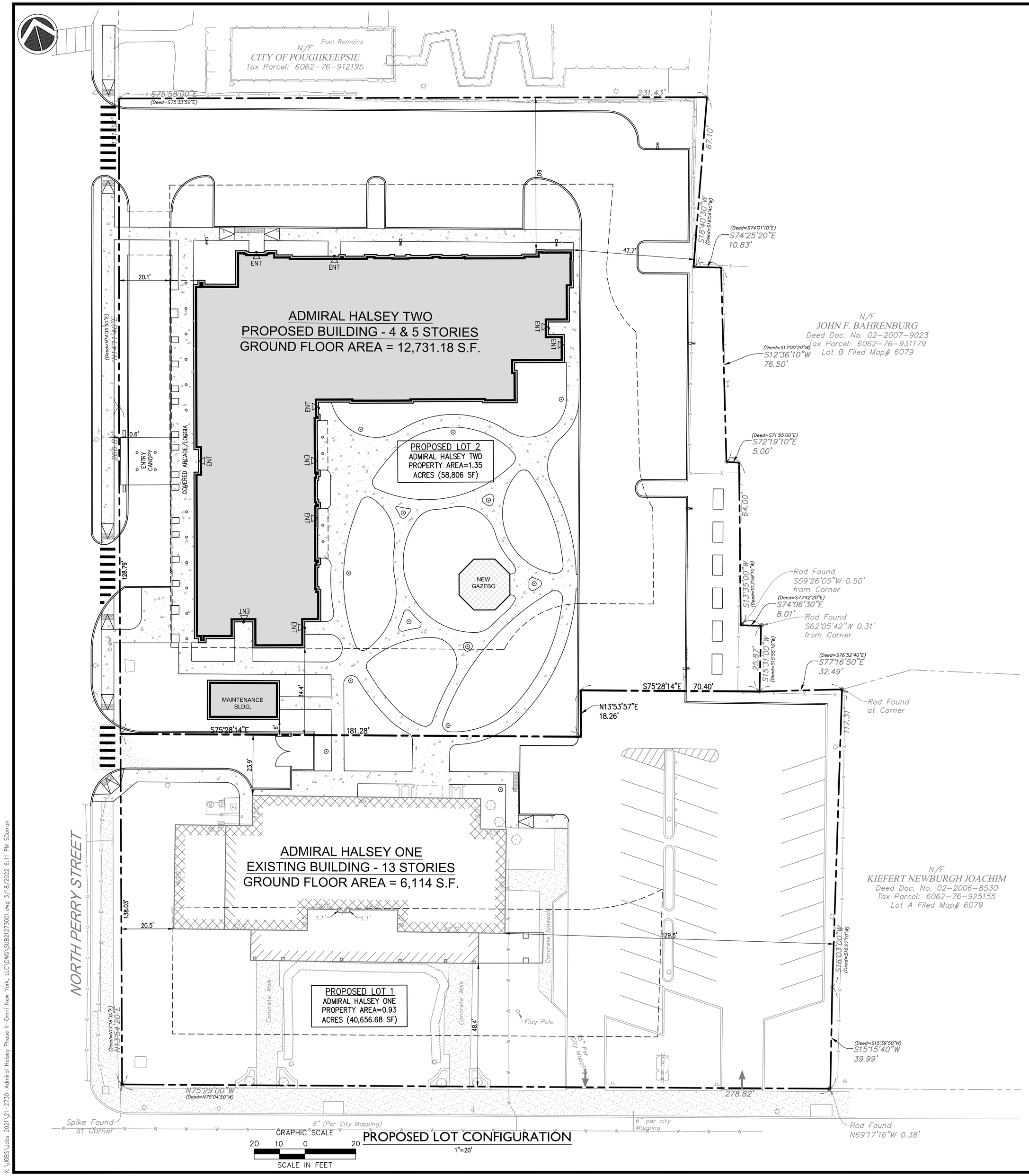

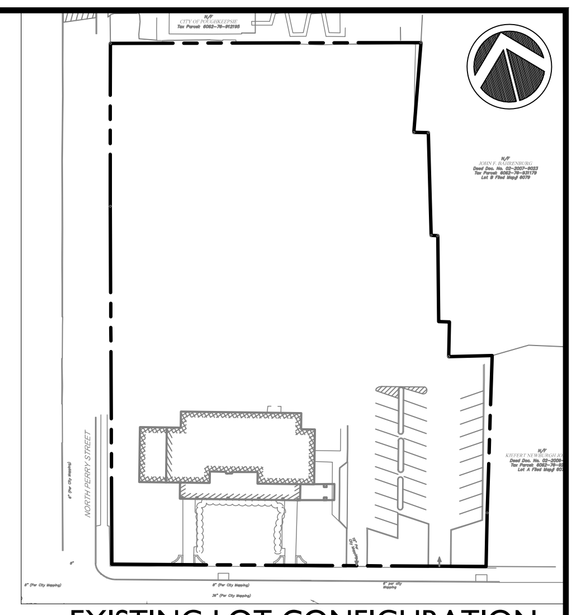

LOT AREA CHART

PROPOSED LOT #	AREA
1	40,656.68 SF OR 0.93 AC.
2	58,899.04 SF OR 1.35 AC.
TOTAL	99,555.72 SF OR 2.28 AC.

DUTCHESS COUNTY DEPARTMENT OF HEALTH NOTE

THIS PLAN DOES NOT CONSTITUTE A REALTY SUBDIVISION AS DEFINED BY ARTICLE XI, TITLE II, SECTION 1115, 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

Revisions		
#	Date	Description
1.	12/21/2021	REVISED PER COMMENTS
2.	1/28/2022	REVISED PER COMMENTS
3.	3/22/2022	REVISED PER COMMENTS

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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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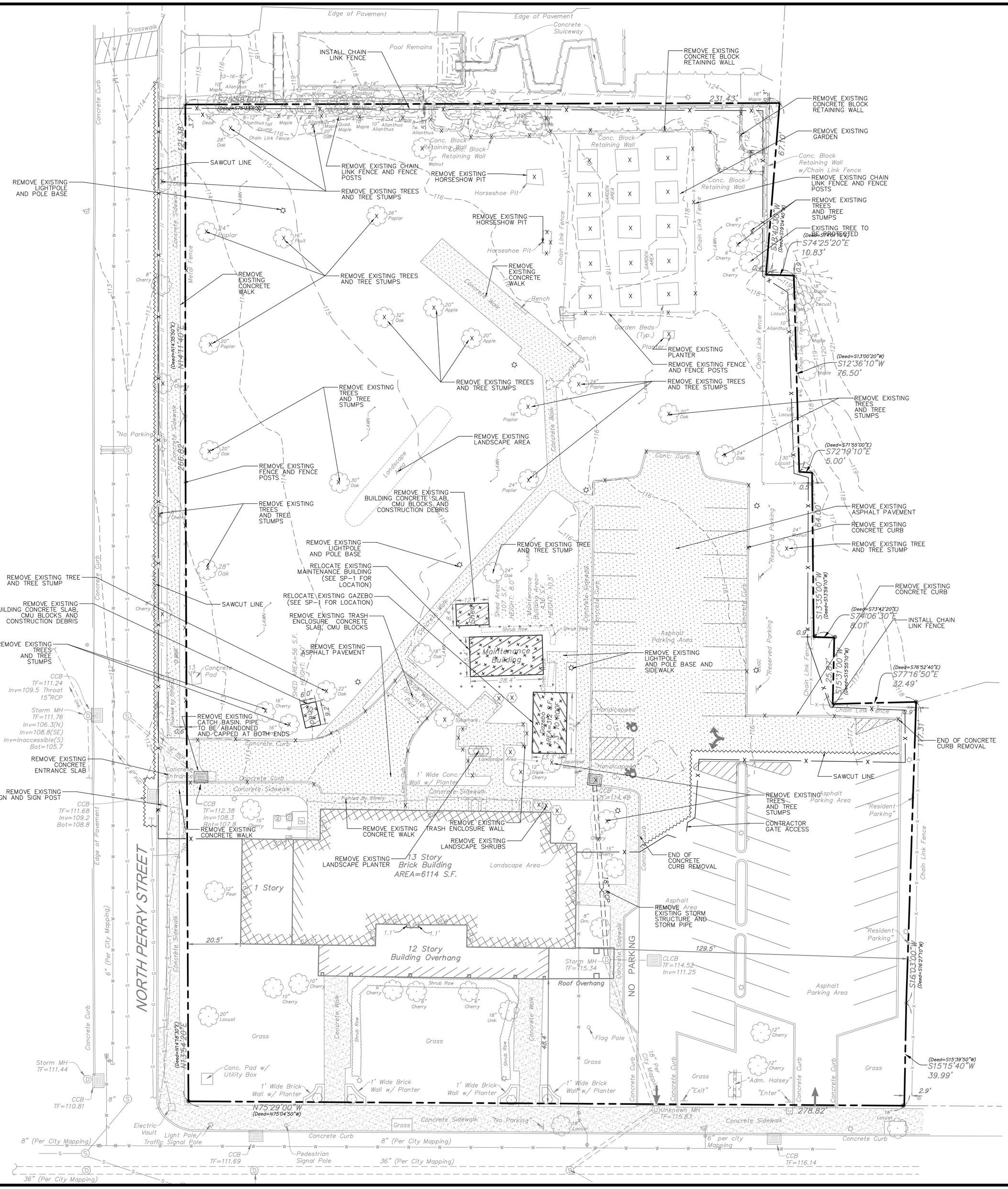

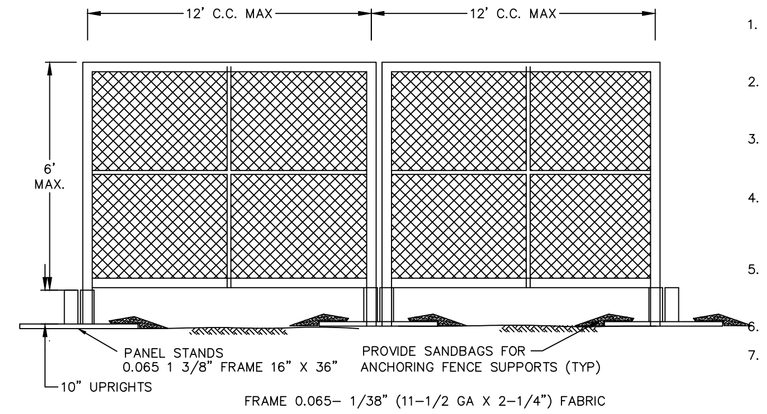

TEMPORARY CHAIN LINK FENCE

NOT TO SCALE

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 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

STATE OF NEW YORK — RODNEY E. MORANN — LICENSED PROFESSIONAL ENGINEER — 074194

No.	Date	Description
1.	11/21/2021	REVISED PER COMMENTS
2.	2/28/2022	REVISED PER COMMENTS
3.	3/22/2022	REVISED PER COMMENTS

Revisions

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DEMOLITION PLAN

ADMIRAL HALSEY II

125 MAIN STREET
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NEW YORK

Design/Calcs	BS	CAD File	DM21273001.dwg
Drawn	SMC	Project No.	20–2370
Checked	KFC	Date	2021–06–22
Approved	REM	Scale	1"=20'

Sheet No. DM-1

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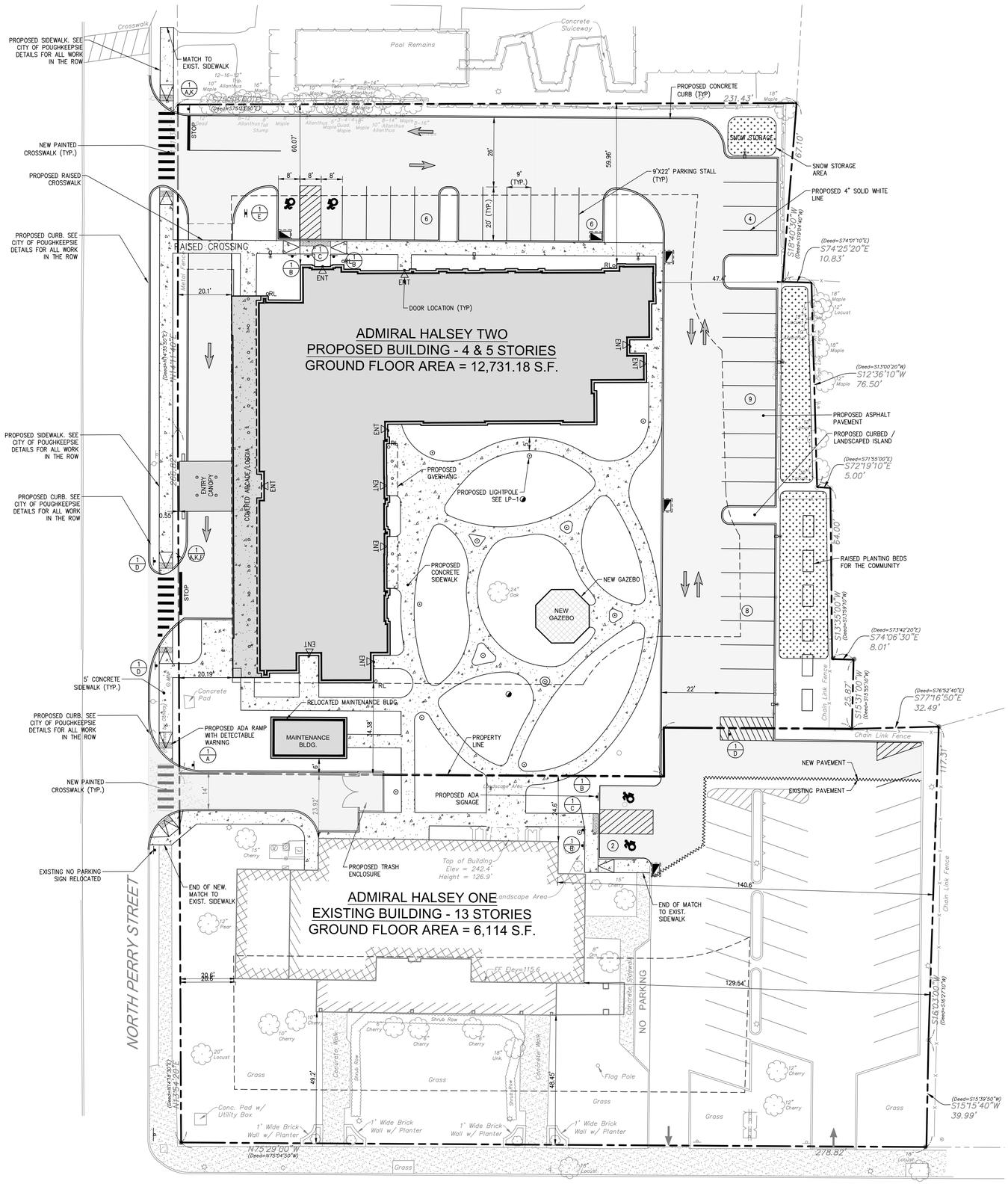

ZONING SUMMARY TABLE
ADMIRAL HALSEY ONE (PROPOSED LOT 1)

ZONING INFORMATION		
ASSESSOR'S LOCATION	6162-76-911183	
ZONING DISTRICT	R-6 DISTRICT	
ITEM	REQUIRED	PROPOSED
MINIMUM LOT AREA (1)	2.19 ACRES (95,200 SF)	0.93 ACRES ** (40,663.84 SF)
MINIMUM LOT WIDTH	100 FT	278.82 FT
MINIMUM FRONTAGE	100 FT	278.82 FT
BUILDING SETBACKS FRONT YARD #1 (MAIN ST) FRONT YARD #2 (N. PERRY) SIDE YARD REAR YARD	 20 FT 20 FT 68.04 FT 68.04 FT	 48.45 FT 20.60 FT 129.54FT 23.92 FT **
MAXIMUM BUILDING HEIGHT (STORIES)	NONE	13
MAXIMUM LOT COVERAGE (%)	70%	19.3% BLDG/ 64.5% IMP. TOTAL
MINIMUM USEABLE OPEN SPACE (3)	0.82 ACRES (35,700 SFT)	0.36 ACRES ** (16,026 SF)
DISTANCE BETWEEN BUILDINGS ON ONE SITE	N/A	N/A
PARKING	66 SPACES	35 SPACES **

(1) MINIMUM LOT AREA CALCULATION:
EXISTING BUILDING
STUDIO APARTMENTS 0x800 SF = 0 SF
1 BEDROOM APARTMENTS: 119x800 SF = 95,200 SF
2 BEDROOM APARTMENT: 0x1200 SF = 0 SF
TOTAL REQUIRED LOT AREA = 95,200 SF (2.19 ACRES)

(2) REAR AND SIDE YARD SETBACKS ARE CALCULATED BASED ON ONE HALF OF THE BUILDING HEIGHT.

(3) MINIMUM USEABLE OPEN SPACE CALCULATION REQUIREMENT:
EXISTING BUILDING:
STUDIO 0x200 SF = 0 SF
1 BEDROOM: 119x300 SF = 35,700 SF
2 BEDROOM: 0x400 SF = 0 SF
TOTAL REQUIRED MIN. USEABLE OPEN SPACE = 35,700 SF (0.82 ACRES)

PARKING CALCULATION

FOR DWELLINGS DESIGNED TO OCCUPIED A 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 REQUIRED

VISITOR: 10% OF 60 SPACES = 6 SPACES

TOTAL SPACES REQUIRED = 66 SPACES

**REQUIRED VARIANCES

1. SECTION 19-3.17(4)(a) – MINIMUM LOT AREA
REQUIRED MINIMUM LOT AREA = 2.19 ACRES
PROVIDED MINIMUM LOT AREA = 0.93 ACRES
VARIANCE REQUIRED = 1.26 ACRES

2. SECTION 19-3.17(4)(f)(1) – MINIMUM REAR YARD SETBACKS
REQUIRED REAR YARD SETBACK = 68.04 FT
PROVIDED REAR YARD SETBACK = 23.92 FT
VARIANCE REQUIRED =44.12 FT

3. SECTION 19-3.15(4)(i) – REQUIRED OPEN SPACE
REQUIRED OPEN SPACE = 35,700 SF
PROVIDED OPEN SPACE = 16,026 SF
VARIANCE REQUIRED = 19,674 SF

3a. SECTION 19-4.13 ACCESSORY USE FRONT YARD
OPEN SPACE FRONT YARD = 12,215 SF
VARIANCE REQUIRED = 12,215 SF

4. SECTION 19-4.3 – OFF-STREET PARKING
REQUIRED PARKING SPACES = 66 SPACES
PROVIDED PARKING SPACES = 35 SPACES
VARIANCE REQUIRED = 31 SPACES

SEE SHEET DN-4 FOR OPEN SPACE PLAN

ZONING SUMMARY TABLE
ADMIRAL HALSEY TWO (PROPOSED LOT 2)

ZONING INFORMATION		
ASSESSOR'S LOCATION	MAP XX BLOCK XX LOT XX	
ZONING DISTRICT	R-6 DISTRICT	
ITEM	REQUIRED	PROPOSED
MINIMUM LOT AREA (1)	1.33 ACRES (57,600 SF)	1.35 ACRES (58,883.43 SF)
MINIMUM LOT WIDTH	100 FT	250.16 FT
MINIMUM FRONTAGE	100 FT	250.16 FT
BUILDING SETBACKS FRONT YARD #1 (N. PERRY) FRONT YARD #2 (N. PERRY) SIDE YARD (2) SIDE YARD (2) (MAINT. BLDG) REAR YARD (2)	 20 FT 20 FT 34.18 FT 6 FT 34.18 FT	 0.55 FT (CANOPY NEW BUILDING)** 20.1 FT (NEW BUILDING) 59.96 FT 6 FT 47.4 FT
MAXIMUM BUILDING HEIGHT (STORIES)	NONE	4/5
MAXIMUM LOT COVERAGE (%)	70%	24.4% BLDG / 67.4% TOTAL IMP.
MINIMUM USEABLE OPEN SPACE (3)	0.44 ACRES (19,200 SFT)	0.46 ACRES (20,154 SF)
DISTANCE BETWEEN BUILDINGS ON ONE SITE	N/A	N/A
PARKING	40 SPACES	33 SPACES

(1) MINIMUM LOT AREA CALCULATION:
EXISTING BUILDING
STUDIO APARTMENTS 24x800 SF = 19,200 SF
1 BEDROOM APARTMENTS: 48x800 SF = 38,400 SF
2 BEDROOM APARTMENT: 0x1200 SF = 0 SF
TOTAL REQUIRED LOT AREA = 57,600 SF (1.33 ACRES)

(2). REAR AND SIDE YARD SETBACKS ARE CALCULATED BASED ON ONE HALF OF THE BUILDING HEIGHT.

(3) MINIMUM USEABLE OPEN SPACE CALCULATION REQUIREMENT:
EXISTING BUILDING:
STUDIO 24x200 SF = 4,800 SF
1 BEDROOM: 48x300 SF = 14,400 SF
2 BEDROOM: 0x400 SF = 0 SF
TOTAL REQUIRED MIN. USEABLE OPEN SPACE = 19,200 SF (0.44 ACRES)

PARKING CALCULATION

FOR DWELLINGS DESIGNED TO OCCUPIED A 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 REQUIRED
VISITOR: 10% OF 36 SPACES = 3.6 SPACES= 4 SPACES
TOTAL SPACES REQUIRED = 40 SPACES

**REQUIRED VARIANCES

1. SECTION 19-3.17(4)(e) – MINIMUM FRONT YARD SETBACKS
REQUIRED FRONT YARD SETBACK = 20 FT
PROVIDED FRONT YARD SETBACK = 0.55 FT – NEW BUILDING CANOPY
VARIANCE REQUIRED = 19.45 FT

2. SECTION 19-4.3 – OFF-STREET PARKING
REQUIRED PARKING SPACES = 40 SPACES
PROVIDED PARKING SPACES = 33 SPACES
VARIANCE REQUIRED = 7 SPACES

SIGN LEGEND

NO.	LEGEND	QTY.
A	STOP	3
B	RESERVED PARKING	4
C	NO PARKING ANYTIME	2
D	DO NOT ENTER	3
E	ONE WAY	1
F	ONE WAY	1
K	NO RIGHT TURN	2

GRAPHIC SCALE
20 10 0 20
SCALE IN FEET

No.	Date	Description
2.	2/28/2022	REVISED PER COMMENTS
3.	3/22/2022	REVISED PER COMMENTS
4	7/6/2022	REVISED PER COMMENTS
5	7/15/2022	REVISED PER COMMENTS
6	7/25/2022	REVISED PER COMMENTS
		Revisions

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STATE OF NEW YORK ROBERT E MORRISON LICENSED PROFESSIONAL ENGINEER 074154

SITE PLAN

ADMIRAL HALSEY II
125 MAIN STREET
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NEW YORK

Design/Calcs	BS	CAD File	SP21273001.dwg	Sheet No.
Drawn	SMC	Project No.	20-2370	SP-1
Checked	KFC	Date	2021-06-22	
Approved	REM	Scale	1"=20'	

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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

No.	Date	Description
1.	12/21/2020	REVISED PER COMMENTS
2.	1/28/2022	REVISED PER COMMENTS
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STATE OF NEW YORK — RODNEY E. MORRISON — LICENSED PROFESSIONAL ENGINEER — 074154

SITE GRADING PLAN

ADMIRAL HALSEY II

125 MAIN STREET
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NEW YORK

Design/Calcs	BS	CAD File	SG21273001.dwg
Drawn	SMC	Project No.	20-2370
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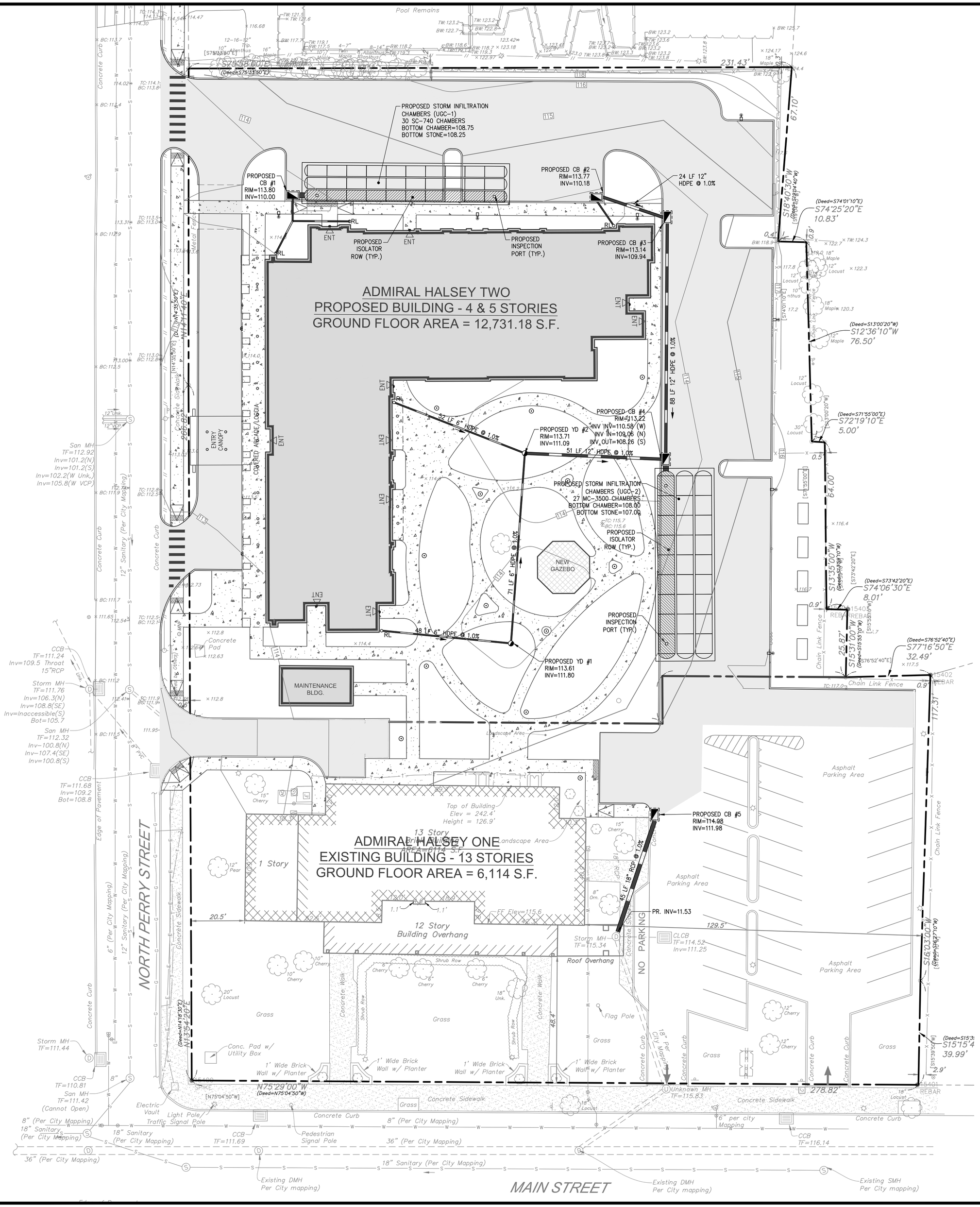
Approved	REM	Scale	1"=20'

Sheet No. SG-1



LEGEND

PROPOSED ASPHALT

PROPOSED STORM PIPE

STATE OF NEW YORK
RODNEY E. MORRISON
LICENSED PROFESSIONAL ENGINEER
075415

#	Date	Description
1.	12/21/2021	REVISED PER COMMENTS
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SITE DRAINAGE PLAN

ADMIRAL HALSEY II

125 MAIN STREET
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NEW YORK

Design/Calcs	BS	CAD File	SD21273001.dwg
Drawn	SMC	Project No.	20-2370
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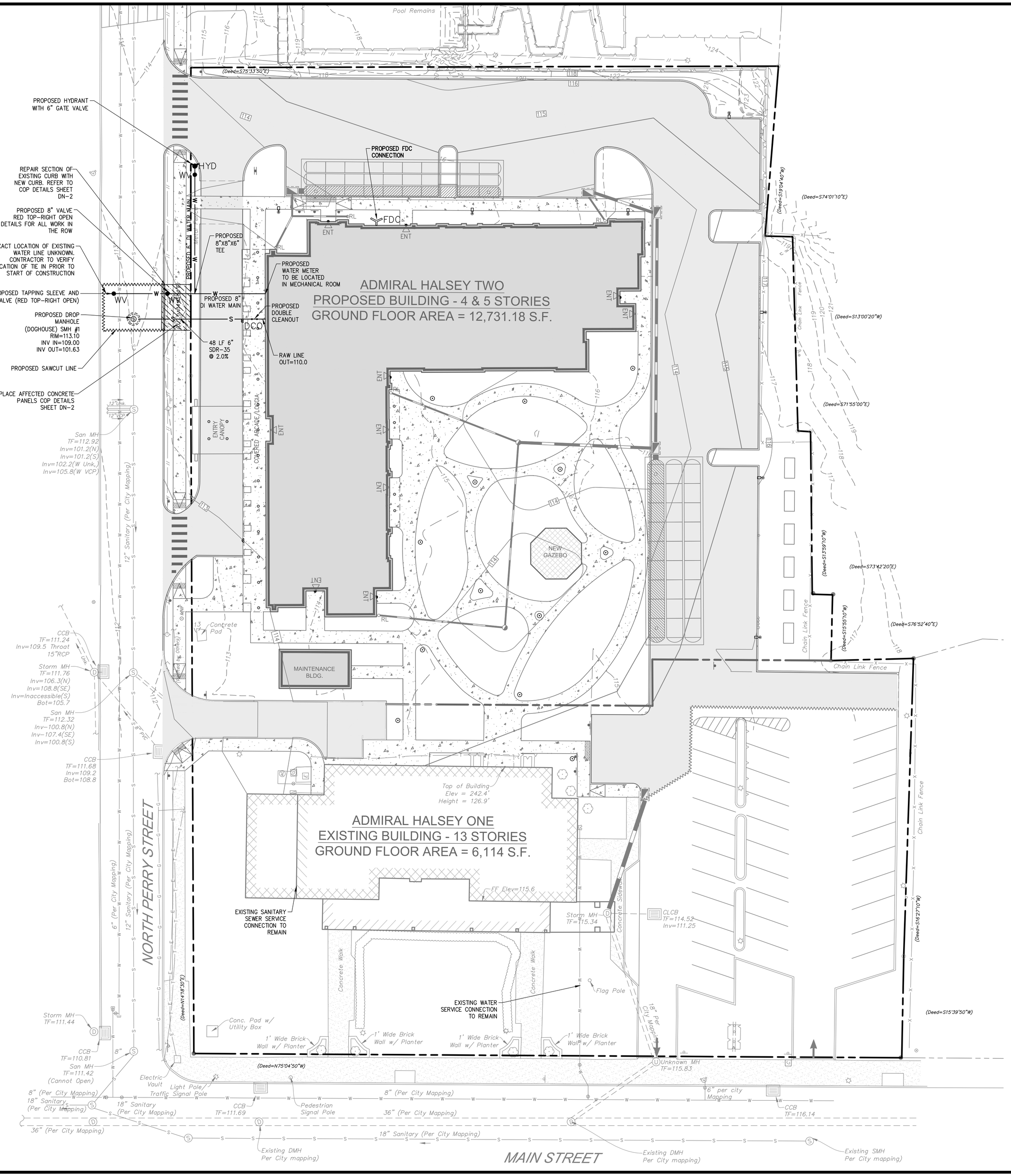
Sheet No. SD-1



LEGEND

- S — PROPOSED SANITARY SERVICE
- W — PROPOSED WATER SERVICE
- DCO — PROPOSED DOUBLE SANITARY CLEANOUT
- WV — PROPOSED WATER SHUT OFF VALVE
- PROPOSED SANITARY MANHOLE
- PROPOSED SAWCUT LINE

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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074196
LICENSED PROFESSIONAL ENGINEER

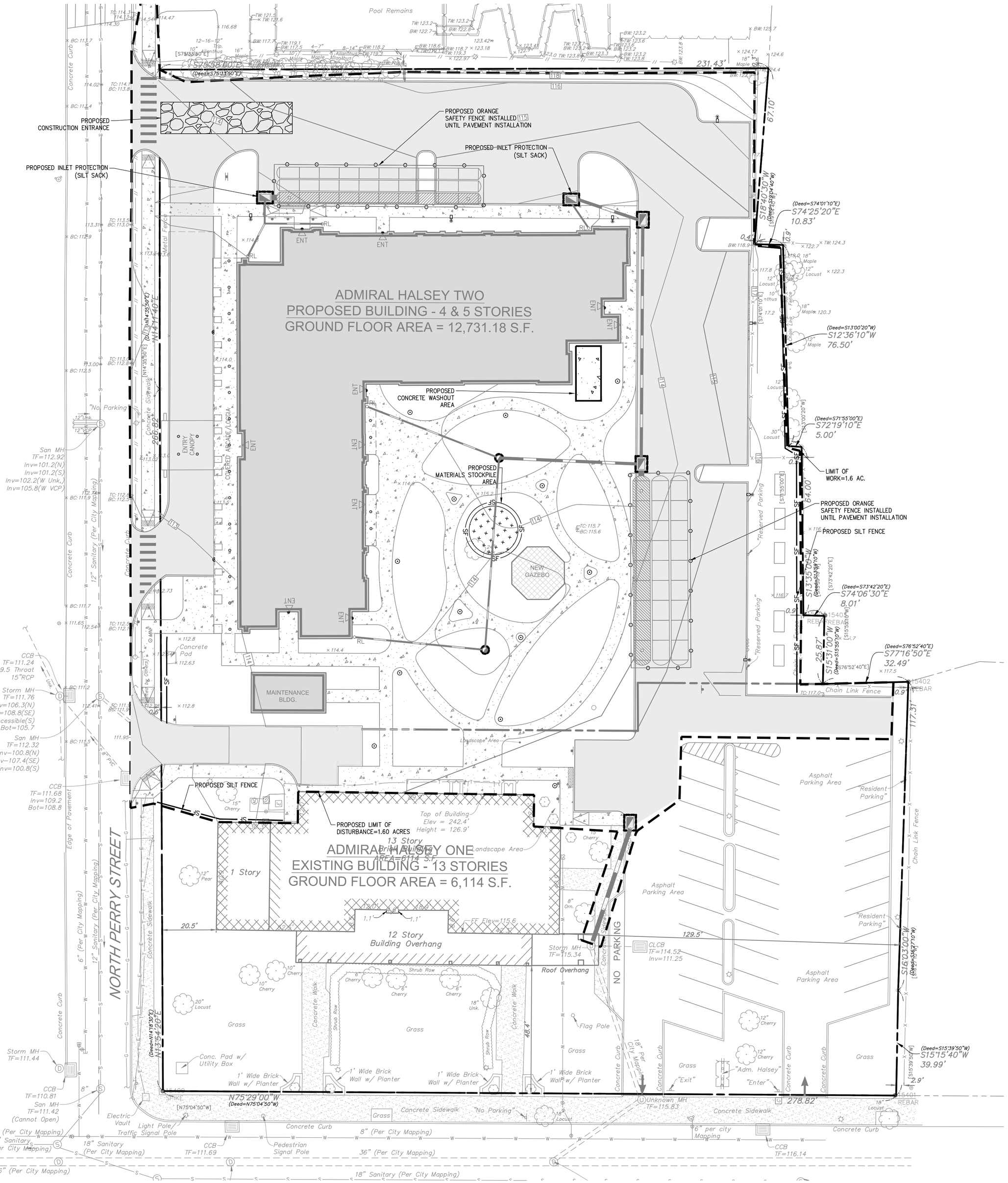
UTILITIES PLAN

ADMIRAL HALSEY II

125 MAIN STREET
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NEW YORK

Design/Calcs	BS	CAD File	UT21273001.dwg
Drawn	SMC	Project No.	20-2370
Checked	KFC	Date	2021-06-22
Approved	REM	Scale	1"=20'

Sheet No. UT-1



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 — 074154

No.	Date	Description
1.	12/21/2021	REVISED PER COMMENTS
2.	2/18/2022	REVISED PER COMMENTS
3.	3/22/2022	REVISED PER COMMENTS

Revisions

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- Environmental Services
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EROSION AND SEDIMENTATION CONTROL PLAN

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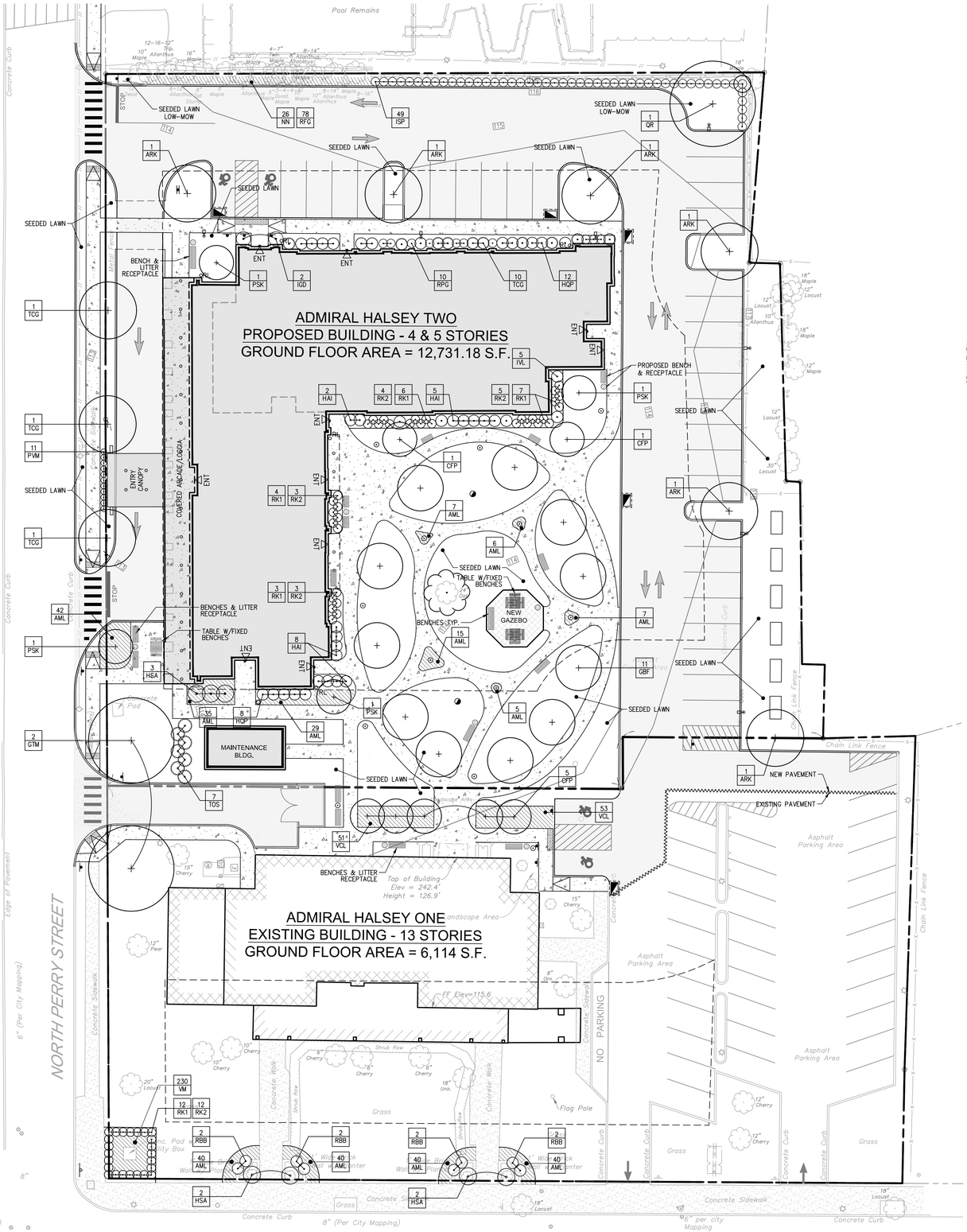


PLANT LIST:

	CODE	QTY.	BOTANICAL NAME	COMMON NAME	ROOT	SIZE INSTALLED	SIZE MATURE	COMMENTS
TREES:	ARK	6	ACER RUBRUM 'KARPICK'	KARPICK RED MAPLE	B&B	2.5–3" cal.	20x40' ht.	Narrow Pyramidal Crown
	CFP	7	CORNUS FLORIDA 'CHEROKEE PRINCESSS'	CHEROKEE PRINCESS DOGWOOD	B&B	2–2.5" cal.	20–25' ht.	White
	GBF	11	GINKGO BILOBA 'FASTIGIATA'	GINKGO TREE	B&B	3–3.5" cal.	40' ht.	Matched Form
	GTM	2	GLEDITSIA T. INERMIS 'SHADEMASTER'	SHADEMASTER HONEYLOCUST	B&B	3–3.5" cal.	60' ht.	
	PSK	4	PRUNUS SERRULATA 'KWANZAN'	KWANZAN CHERRY	B&B	2–2.5" cal.	20x30' ht.	
	QR	1	QUERCUS RUBRA	NORTHERN RED OAK	B&B	2.5–3" cal.	75' ht.	
	TCG	3	TILIA CORDATA 'GREENSPIRE'	GREENSPIRE LINDEN	B&B	3–3.5" cal.	40' ht.	
	TOS	7	THUJA OCCIDENTALIS 'SMARAGD'	EMERALD AMERICAN ARBORVITAE	B&B	7–8' HT.	5'x15'	
SHRUBS:	AML	306	ARONIA MEL. LOW SCAPE MOUND	LOW SCAPE MOUND CHOKEBERRY	CONT.	#1	12–24" ht.	2' o.c.
	HAI	15	HYD. ARBORESCENS INVINCIBLE SPIRIT II	SMOOTH HYDRANGEA	CONT.	24–30" ht.	3–4' ht.	Pink
	HQP	17	HYDRANGEA QUERCIFOLIA 'PEEWEE'	PEE WEE OAKLEAF HYDRANGEA	CONT.	24–30" ht.	3–5' ht.	White; Burgundy fall
	HSA	7	HIBISCUS SYRIACUS 'ARDENS'	ROSE OF SHARON	B&B	36–42" ht.	8–10' ht.	Double Rosy Purple
	IGD	2	ILEX GLABRA 'DENSA'	INKBERRY	CONT.	24–30" ht.	6–8' ht.	
	ISP	49	ILEX CRENATA 'SKY PENCIL'	SKY PENCIL JAPANESE HOLLY	CONT.	#5	8–10' ht.	Tall and Narrow
	IVL	5	ITEA VIRGINICA 'LITTLE HENRY'	LITTLE HENRY SWEETSPIRE	CONT.	24" ht. min.	3–6' ht.	
	RK1	32	ROSA 'RADRAZZ'	KNOCK OUT ROSE	CONT.	24" ht. min.	3–4' ht.	30" o.c.; Red
	RK2	27	ROSA 'RADCOR'	RAINBOW KNOCK OUT ROSE	CONT.	24" ht. min.	3–4' ht.	30" o.c.; Pink
	RBB	8	RHODODENDRON 'BLUE BARON'	BLUE BARON RHODODENDRON	CONT.	24" ht. min.	3–4' ht.	Blue–Lav
	RPG	10	RHODODENDRON 'PURPLE GEM'	PURPLE GEM RHODODENDRON	CONT.	18–24" ht.	3' x 3'	
	TCG	10	TAXUS CUSPIDATA 'GREENWAVE'	GREENWAVE JAPANESE YEW	CONT.	24–30" ht.	3'x4'	
	VCL	104	VIBURNUM CASSINOIDES 'LIL DITTY'	LIL DITTY WITHEROD VIBURNUM	CONT.	15" min.ht.	12–24" ht.	
ORNAMENTAL GRASSES/PERENNIALS:	NN	26	NIPPONANTHEMUM NIPPONICUM	MONTAUK DAISY	CONT.	#2 (2 Gal.)	30–36" ht.	
	PVM	11	PANICUM VIRGATUM 'HEAVY METAL'	HEAVY METAL SWITCHGRASS	POT	#2	3–4' ht.	2' o.c.; Blue Green Blades
	RFG	78	RUDBECKIA FUL. var. SULL. 'GOLDSTURM'	GOLDSTURM Black Eyed Susan	CONT.	#SP4	30–36" ht.	24" o.c.; Gold; June–Sept
	VM	230	VINCA MINOR	PERIWINKLE	POT	SP–3/Pint		Plant at 9" o.c.

PLANTING NOTES:

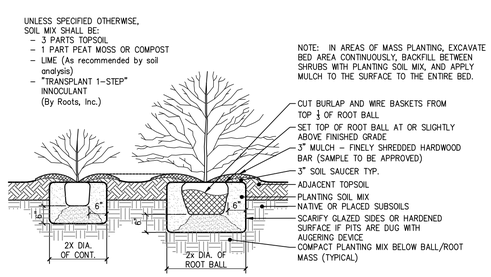
1. THE LANDSCAPE PLAN AND RELATED DETAILS ARE FOR LANDSCAPING INFORMATION ONLY. PLEASE REFER TO THE SITE, GRADING & EROSION CONTROL PLANS FOR ALL OTHER INFORMATION.
2. THE CONTRACTOR SHALL GUARANTEE THAT ALL PLANTS, TREES, AND SHRUBS SHALL BE HEALTHY AND FREE OF DISEASE FOR A PERIOD OF ONE YEAR AFTER 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 THIS SHEET 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 (LOW–MOW):

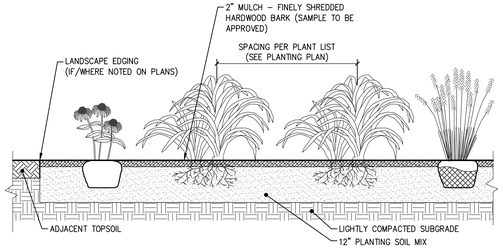
    15% KENTUCKY BLUEGRASS (POA PRATENSIS – SINGLE VARIETY)
    15% PERENNIAL RYEGRASS (LOLIUM PERENNE)
    30% CREEPING RED FESCUE (FESTUCA RUBRA)
    25% CHEWINGS FESCUE (FESCTUCA RUBRA "JAMESTOWN II")
    15% HARD FESCUE (FESTUCA OVINA "RELIANT II")

    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."



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.

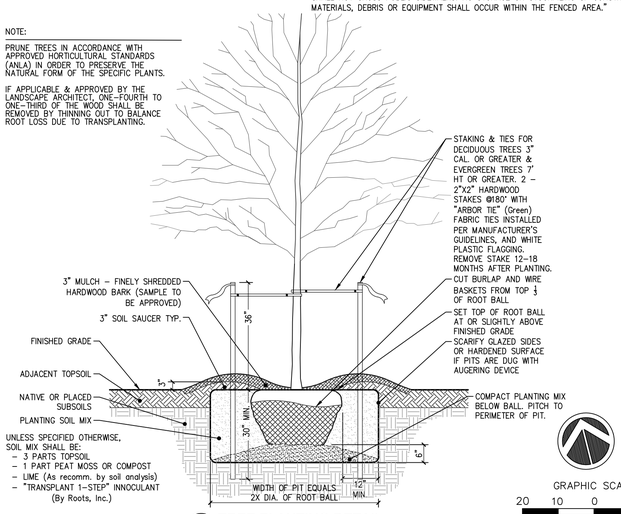
UNLESS SPECIFIED OTHERWISE, PERENNIAL BED SOIL MIX SHALL BE:
- 3 PARTS TOPSOIL
- 1 PART MANURE (WEED FREE)
- 1 PART PEAT MOSS OR COMPOST
- LIME (As recommended by soil analysis)
- "MILORGANITE" AT 5 LBS. PER 100 SF.

3 ANNUAL/PERENNIAL AND GROUND COVER BEDS DETAIL
SCALE: 1/2" = 1'–0"

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"

GRAPHIC SCALE
20 10 0 20
SCALE IN FEET

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4	7/6/2022	REVISED PER COMMENTS
5	7/15/2022	REVISED PER COMMENTS

Revisions

STATE OF NEW YORK — RODNEY E. MORRISON — LICENSED PROFESSIONAL ENGINEER — 074194

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SITE LANDSCAPE PLAN

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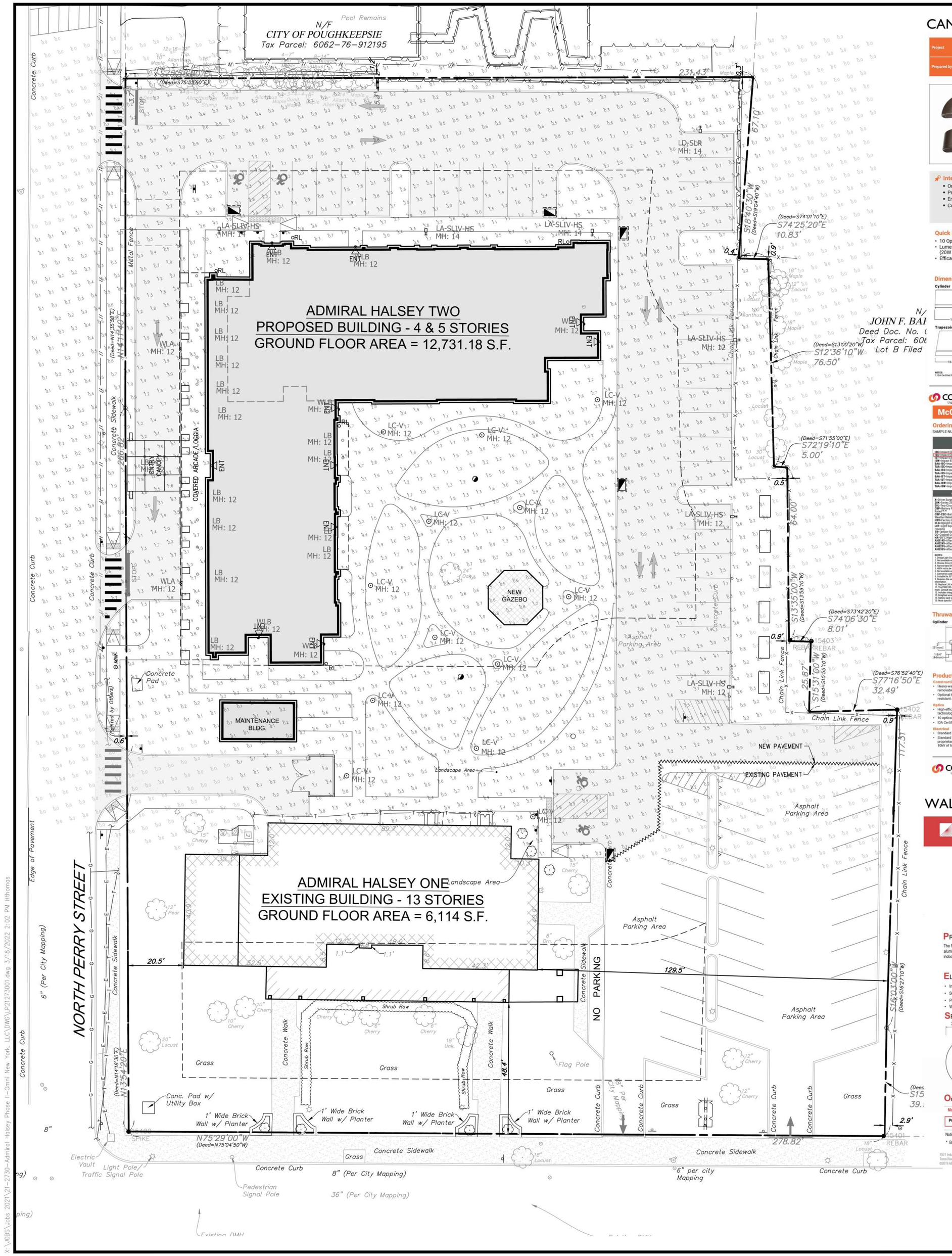
N/F
CITY OF POUGHKEEPSIE
Tax Parcel: 6062-76-912195
Pool Remains
ADMIRAL HALSEY TWO
PROPOSED BUILDING - 4 & 5 STORIES
GROUND FLOOR AREA = 12,731.18 S.F.
ADMIRAL HALSEY ONE
EXISTING BUILDING - 13 STORIES
GROUND FLOOR AREA = 6,114 S.F.
NORTH PERRY STREET
MAINTENANCE BLDG.
NEW GAZEBO
COVERED ARCADE/LOGGIA
NO PARKING
NEW PAVEMENT
EXISTING PAVEMENT
Asphalt Parking Area
Landscape Area
Grass
Shrub Row
Flag Pole
Chain Link Fence
Metal Fence
Concrete Curb
Concrete Sidewalk
Concrete Walk
Concrete Pad
1' Wide Brick Wall w/ Planter
Conc. Pad w/ Utility Box
Electric Vault
Light Pole/ Traffic Signal Pole
Pedestrian Signal Pole
Fire Hydrant
Gas Valve
Sanitary Manhole
Storm Manhole
Water Valve
Water Meter
Existing DMH
Existing CB
Existing Inlet
Existing Gas Meter
Existing Electric Meter
Existing Light Pole
Existing Utility Pole
Existing Guy Wire
Existing Sign
Existing Bollard
Existing Tree
Existing Shrub
Existing Deciduous Tree
Existing Conifer Tree
Existing Bush
Existing Hedge
Existing Stump
Existing Flag Pole
Existing Fence
Existing Retaining Wall
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Existing Asphalt Pad
Existing Concrete Curb
Existing Concrete Sidewalk
Existing Asphalt Parking Area
Existing Grass
Existing Shrub Row
Existing Concrete Walk
Existing Chain Link Fence
Existing Metal Fence
Existing Wood Fence
Existing Stone Wall
Existing Brick Wall
Existing Concrete Wall
Existing Gravel Area
Existing Mulch Area
Existing Landscape Area
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Existing Building
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Existing Underground Gas Line
Existing Underground Water Line
Existing Underground Sewer Line
Existing Underground Storm Drain Line
Existing Underground Electric Line
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Existing Underground Cable TV Line
Existing Underground Fiber Optic Line
Existing Underground Communication Line
Existing Underground Signal Line
Existing Underground Lighting Line
Existing Underground Power Line
Existing Underground Conduit Line
Existing Underground Duct Line
Existing Underground Pipe Line
Existing Underground Tank Line
Existing Underground Vault Line
Existing Underground Manhole Line
Existing Underground Catch Basin Line
Existing Underground Inlet Line
Existing Underground Drain Line
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Existing Underground Bridge Line
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Existing Underground Foundation Line
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Existing Underground Pier Line
Existing Underground Pile Line
Existing Underground Caisson Line
(Deed=S74°01'10"E) S74°25'20"E 10.83'
(Deed=S13°00'20"W) S12°36'10"W 76.50'
(Deed=S71°55'00"E) S72°19'10"E 5.00'
(Deed=S13°55'00"W) S13°55'00"W 64.00'
(Deed=S73°42'20"E) S74°06'30"E 8.01'
(Deed=S76°52'40"E) S77°16'50"E 32.49'
(Deed=S13°55'00"W) S13°55'00"W 25.82'
(Deed=S13°00'20"W) S12°36'10"W 177.53'
(Deed=S76°52'40"W) N75°29'00"W 278.82'
(Deed=N74°18'30"E) N73°54'20"E 129.5'
(Deed=S71°55'00"E) S72°19'10"E 39.
20.5'
48.4'
129.5'
278.82'
0.4'
0.9'
0.6'
2.9'
0.5'
8"
6" (Per City Mapping)
36" (Per City Mapping)
6" per city Mapping
Concrete Curb
Concrete Sidewalk
Concrete Walk
Chain Link Fence
Metal Fence
Edge of Pavement
Asphalt Parking Area
Landscape Area
Grass
Shrub Row
Flag Pole
Existing DMH
Existing CB
Existing Inlet
Existing Gas Meter
Existing Electric Meter
Existing Light Pole
Existing Utility Pole
Existing Guy Wire
Existing Sign
Existing Bollard
Existing Tree
Existing Shrub
Existing Deciduous Tree
Existing Conifer Tree
Existing Bush
Existing Hedge
Existing Stump
Existing Flag Pole
Existing Fence
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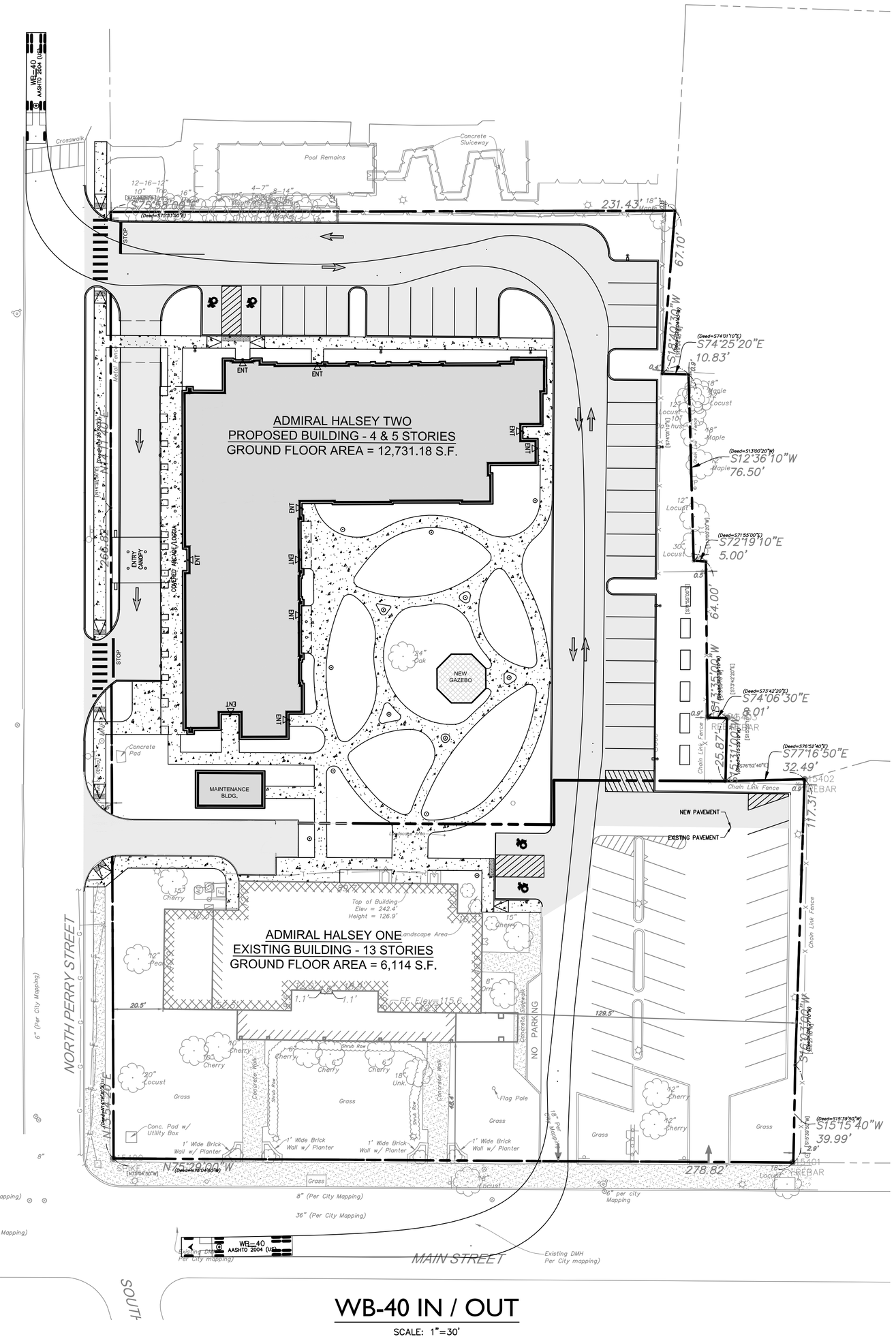
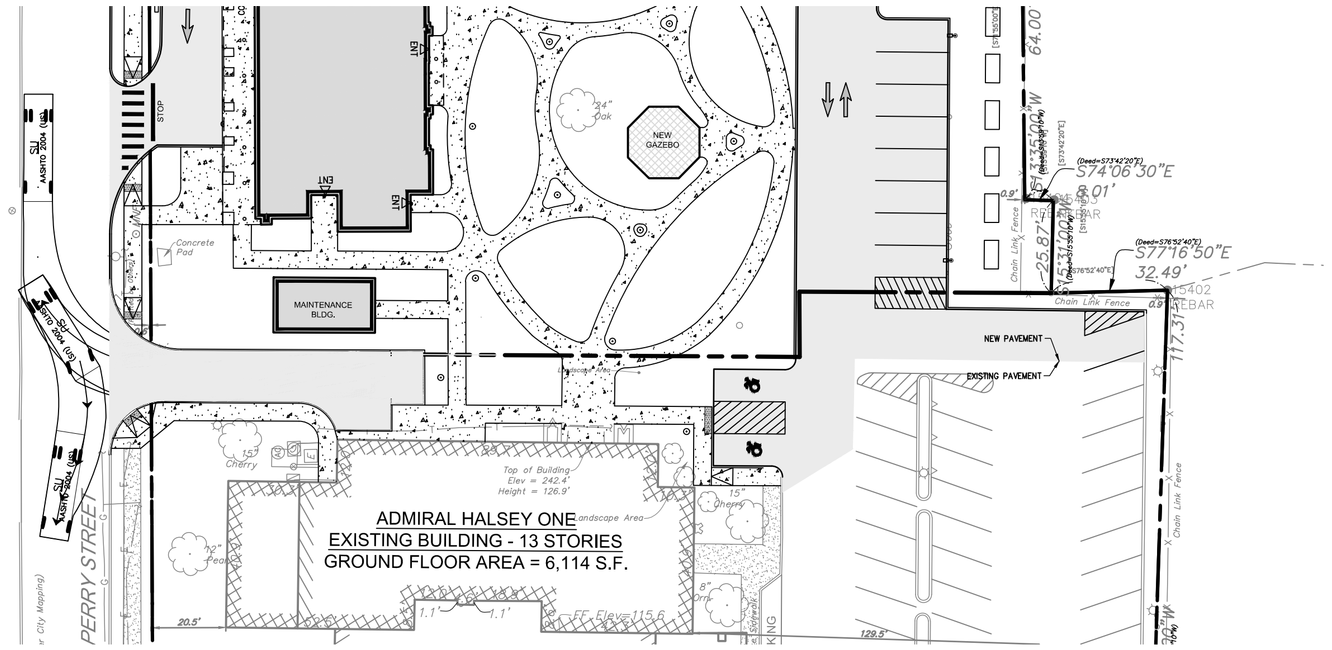
Existing Underground Pile Line
Existing Underground Caisson



WB-40 IN / OUT

SCALE: 1"=30'



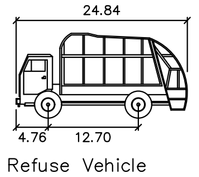
REFUSE VEHICLE

SCALE: 1"=30'

GRAPHIC SCALE

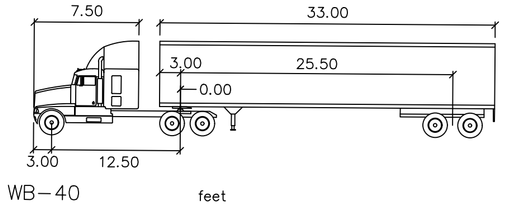
30 15 0 30

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
LICENSED PROFESSIONAL ENGINEER
075158

No.	Date	Description
1.	12/21/2021	REVISED PER COMMENTS
2.	2/28/2022	REVISED PER COMMENTS
3.	3/22/2022	REVISED PER COMMENTS

Revisions

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

TRUCK TURNING PLAN

ADMIRAL HALSEY II

125 MAIN STREET
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NEW YORK

Design/Calcs	BS	CAD File	TT21273001.dwg	Sheet No.
Drawn	SMC	Project No.	20-2370	TT-1
Checked	KFC	Date	2021-06-22	
Approved	REM	Scale	1"=30'	

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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-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.

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

#	Date	Description
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2.	2/28/2022	REVISED PER COMMENTS
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Revisions

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- Landscape Architecture

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NOTE SHEET

ADMIRAL HALSEY II

125 MAIN STREET
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NEW YORK

Design/Calcs	BS	CAD File	NS21270301.dwg
Drawn	SMC	Project No.	20-2370
Checked	KFC	Date	2021-06-22
Approved	REM	Scale	AS NOTED

Sheet No. NS-1

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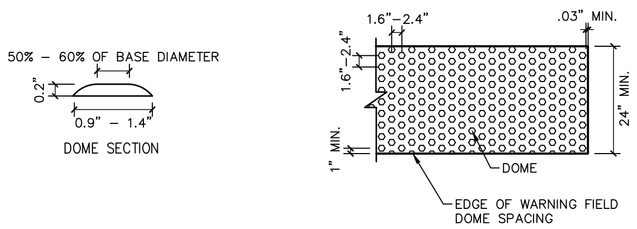


NOTES:

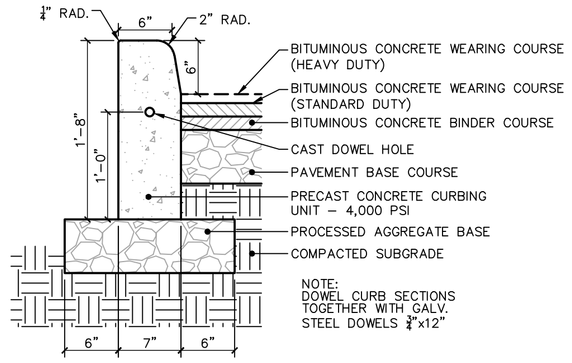
1. THE DETAILS PROVIDED ARE NOT DRAWN TO SCALE, THE QUANTITY OF DOMES DEPICTED ON THE DETECTABLE WARNING UNIT (THE DOMES AND THE ENTIRE 24" LEVEL SURFACE) IS FOR ILLUSTRATION ONLY.
2. THE SIZE OF THE DETECTABLE WARNING FIELD SHALL BE 24" IN THE DIRECTION OF TRAVEL AND SHALL EXTEND THE FULL WIDTH OF THE 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

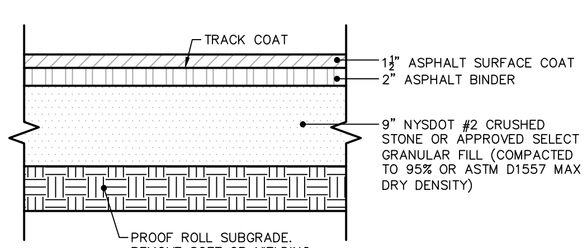
"DURALAST" CAST IRON WARNING TILES AS FABRICATED BY EAST JORDAN IRON WORKS, 800–626–4653; NATURAL FINISH (NO POWDER COATING)

NOTE: UNIT SIZE FOR RECTANGULAR APPLICATIONS IS 24"x24" AND FOR RADIAL APPLICATIONS IS 18"x24"

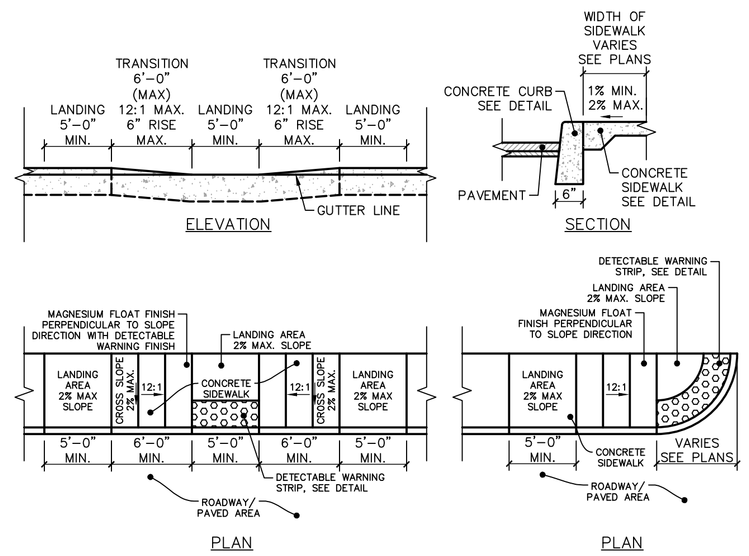
X DETECTABLE WARNING DETAIL
SCALE: 1/2" = 1'–0"



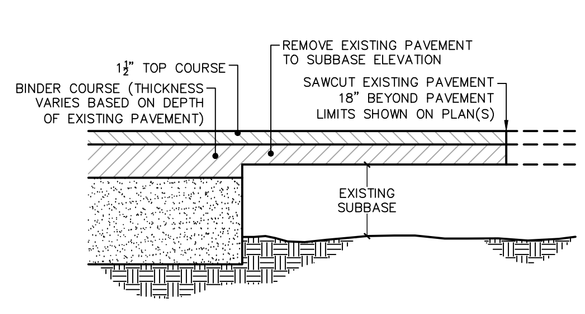
X CONCRETE CURB DETAIL
SCALE: 1" = 1'–0"



X STANDARD ASPHALT PAVING DETAIL
SCALE: 1" = 1'–0"



X HANDICAP RAMP DETAIL
SCALE: 1/8" = 1'–0"



X PAVEMENT TRANSITION DETAIL
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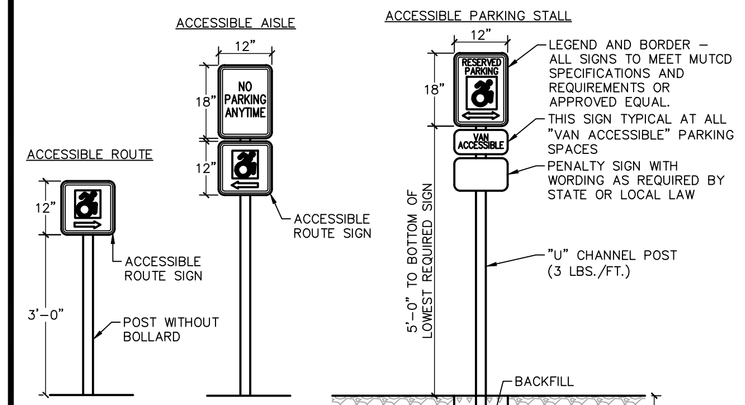

X ACCESSIBLE PARKING & ACCESS SIGNS
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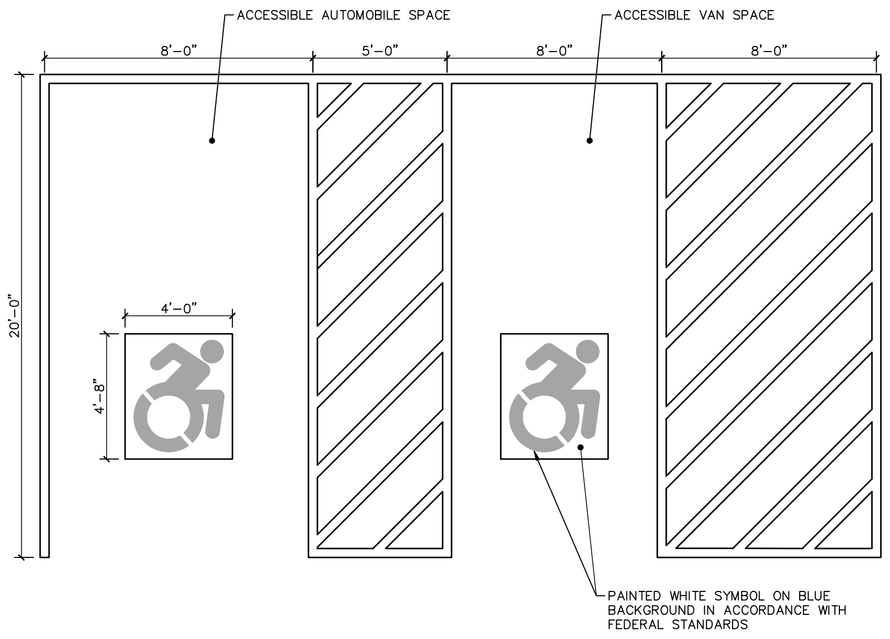
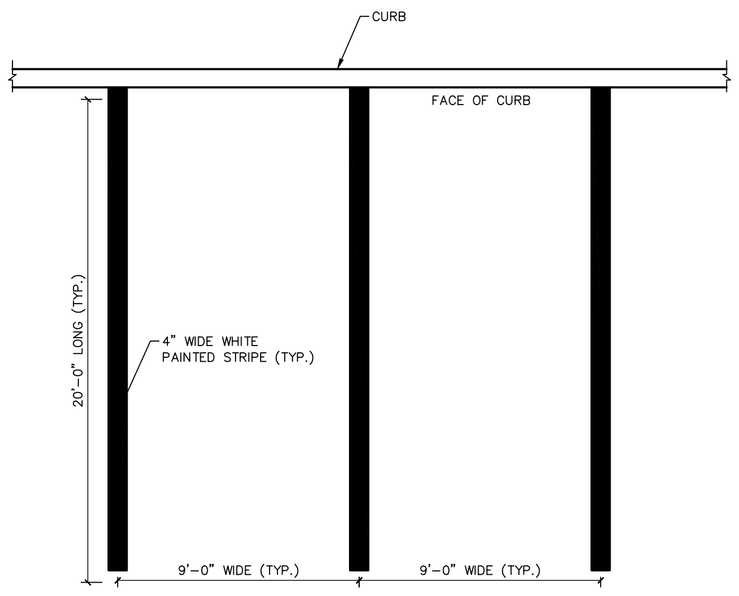
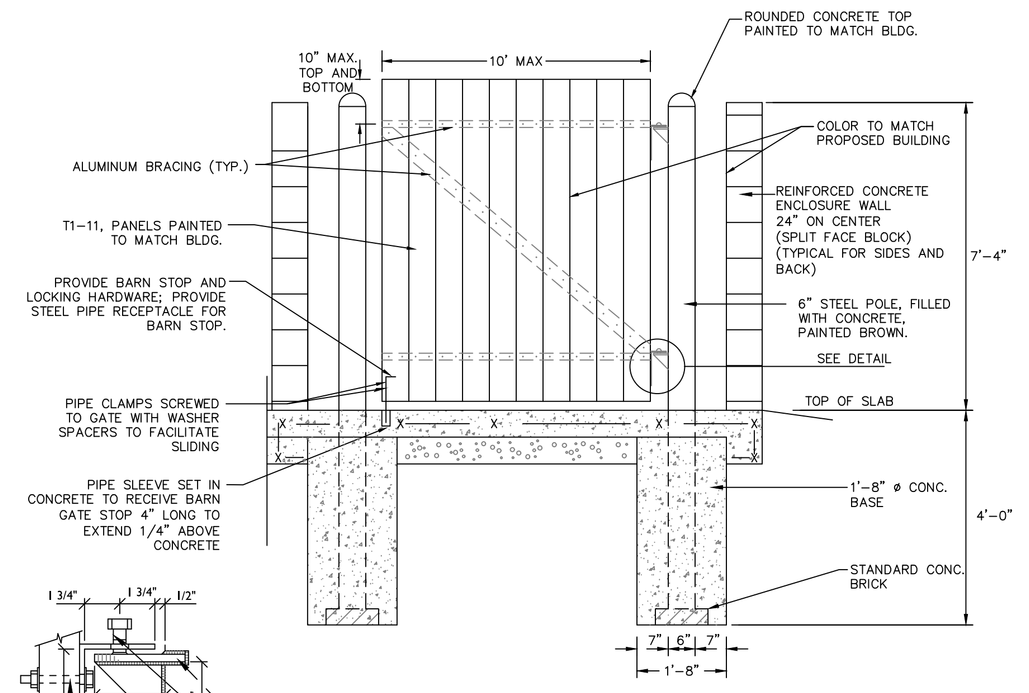


X ACCESSIBLE PARKING SPACE DETAIL
SCALE: 1/4" = 1'–0"



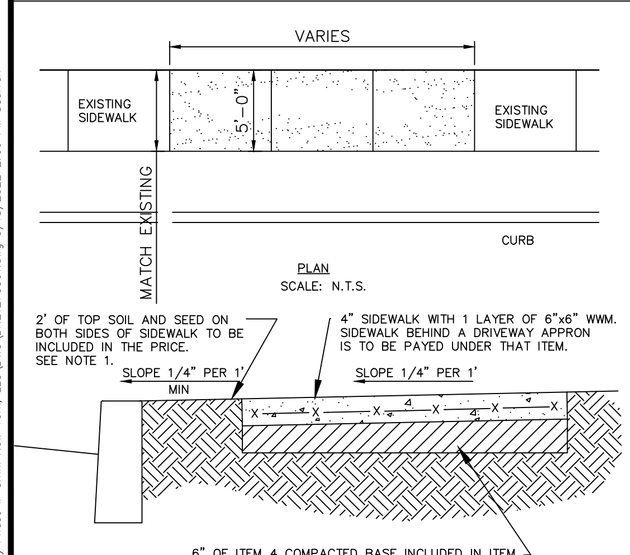
X PARKING SPACE STRIPE DETAIL
SCALE: 1/4" = 1'–0"



TRASH ENCLOSURE GATE SECTION
NOT TO SCALE

CONTRACTOR TO PROVIDE SELF CLOSING HINGES FOR GATE

DETAILS PROVIDED BY THE CITY OF POUGHKEEPSIE. FOR ALL WORK TO BE PERFORMED IN THE CITY ROW.

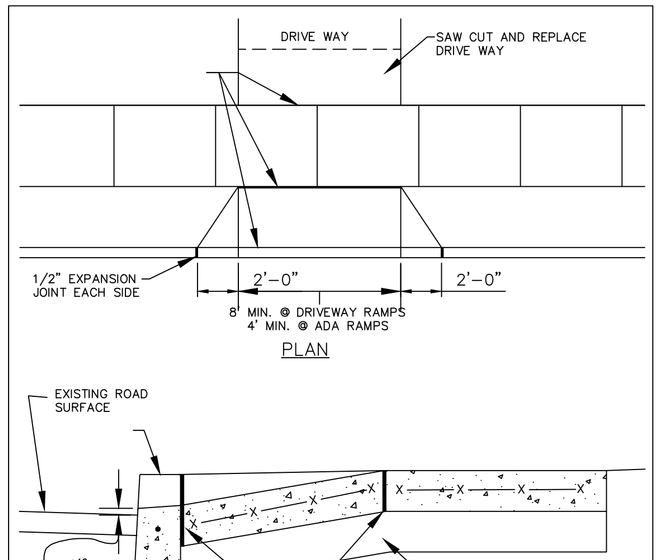


NOTES:
1. WHERE MATERIAL IS NOT USED THE CITY OF POUGHDEEPSIE WILL BE CREDITED IN AREAS WHERE MORE THAN THE SPECIFIED AMOUNT OF MATERIAL IS USED. MAJOR GRADE CHANGES WILL BE APROVED BY THE CITY ENGINEERING DEPT. AND WILL BE PAYED UNDER APROPRIATE ITEMS.

SECTION

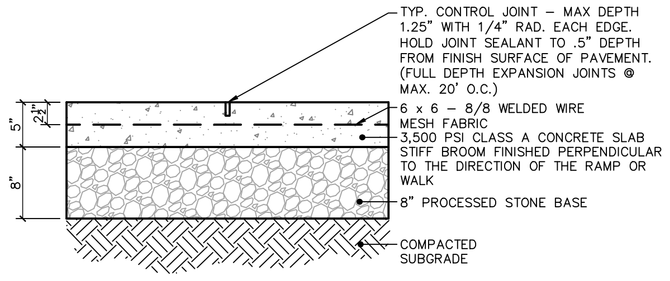
SIDEWALK DETAIL REPLACE & NEW

CITY OF POUGHKEEPSIE ENGINEERING DEPARTMENT 62 CIVIC CENTER PLAZA POUGHKEEPSIE, NY 12602	PROJECT: 001–DET DATE: 5–16–00 SCALE: AS NOTED DRAWN BY: JP
SIDEWALK DETAIL	

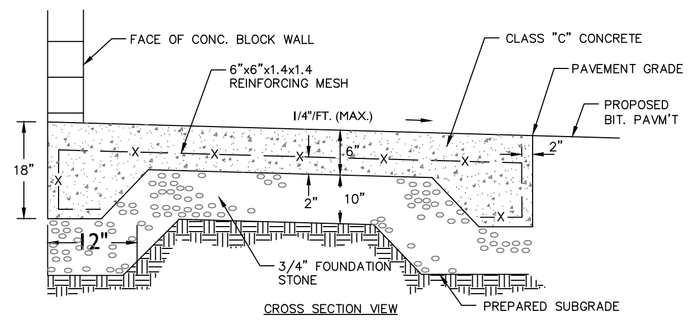


DRIVEWAY RAMPS & ADA RAMP
SCALE: 1"–1'–0"

CITY OF POUGHKEEPSIE ENGINEERING DEPARTMENT 62 CIVIC CENTER PLAZA POUGHKEEPSIE, NY 12602	FILE NO.: 001–DET DATE: 3–6–00 SCALE: AS NOTED DRAWN BY: JP	DRIVEWAY & ADA RAMP DETIAL	1 PAGE NO.



X CONCRETE SIDEWALK SECTION DETAIL
SCALE: 1" = 1'–0"



HEAVY DUTY CONCRETE PAVING AND DUMPSTER PAD DETAIL
NOT TO SCALE

STATE OF NEW YORK
RODNEY E MORRISON
07419
LICENSED PROFESSIONAL ENGINEER

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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
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Sheet No.
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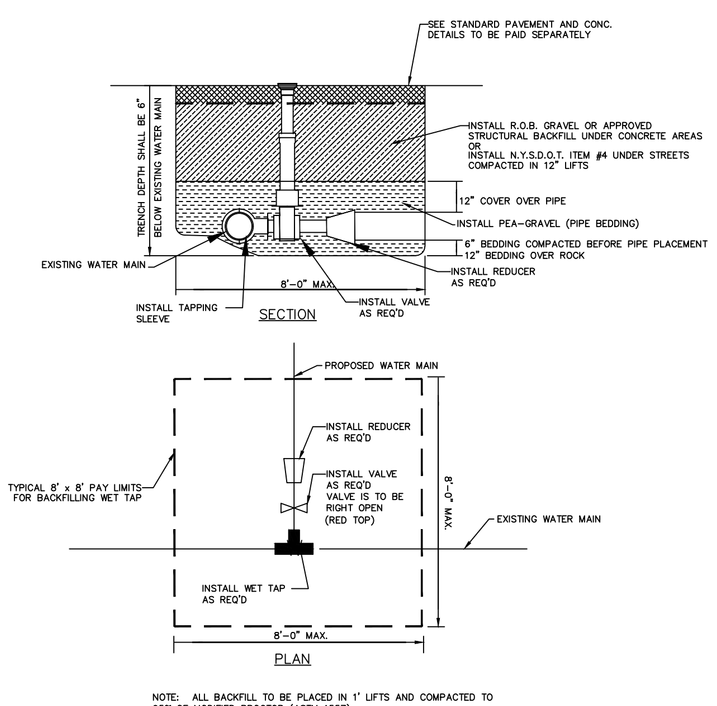

NOTE: ALL BACKFILL TO BE PLACED IN 1' LIFTS AND COMPACTED TO 95% OF MODIFIED PROCTOR (ASTM 1557)

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		
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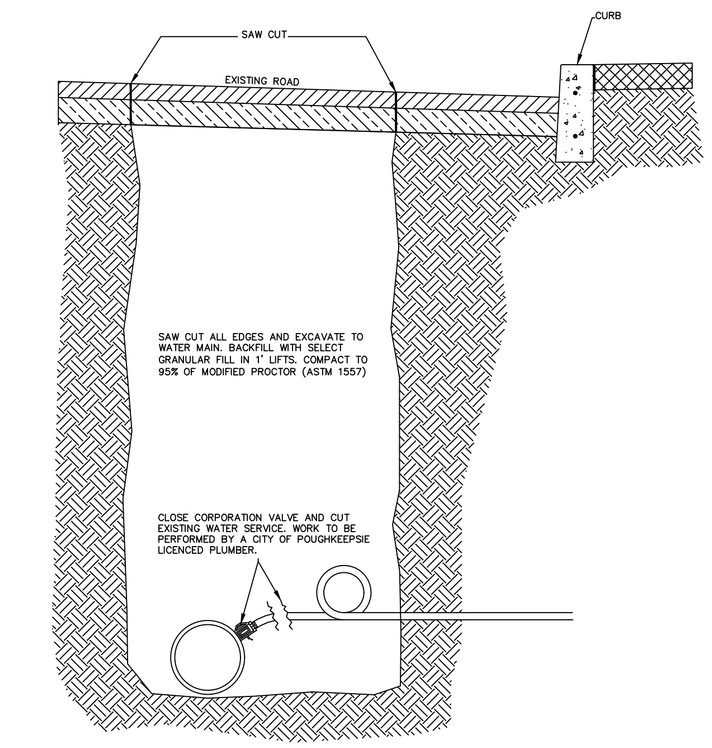

WATER SERVICE DISCONNECT AT MAIN

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		
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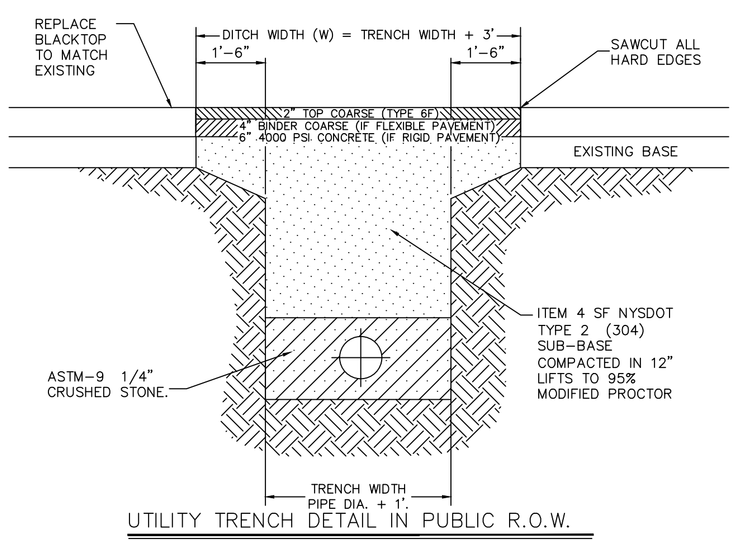
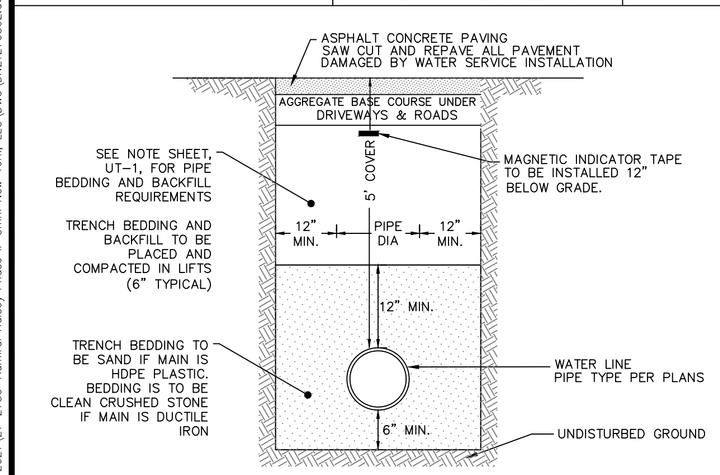


UTILITY TRENCH DETAIL IN PUBLIC R.O.W.

NOTES:

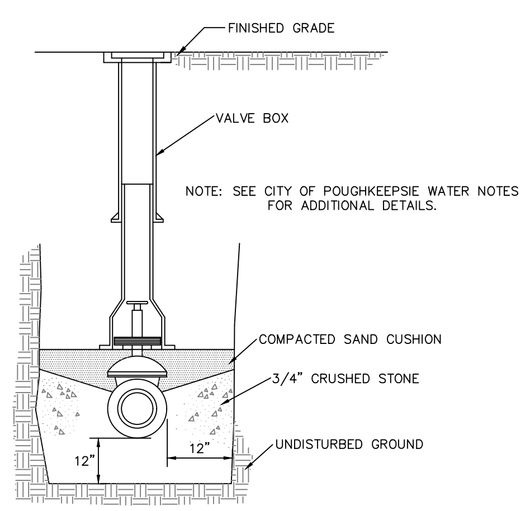
1. DITCH WIDTH SHALL EXTEND A MINIMUM OF ONE AND ONE-HALF FT. FROM THE EDGES OF THE TRENCH.
2. REPLACED BASE MATERIAL OVER TRENCH SHALL BE ITEM 4 COMPACTED IN 12" LIFTS.
3. PIPE BEDDING SHALL BE A MINIMUM OF 6" ABOVE AND BELOW PIPE
4. ALL JOINTS SHALL BE MECHANICALLY SAWED.
5. ALL JOINTS SHALL BE SQUARED 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	



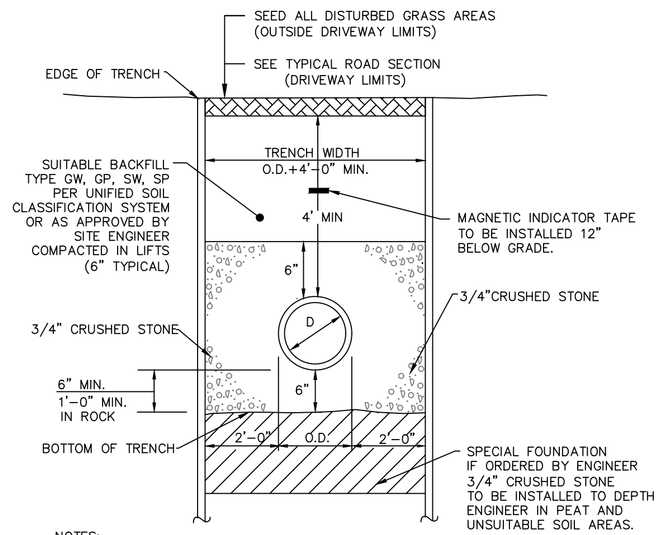
WATER MAIN TRENCH

NOT TO SCALE



VALVE AND VALVE BOX DETAIL

NOT TO SCALE



NOTES:

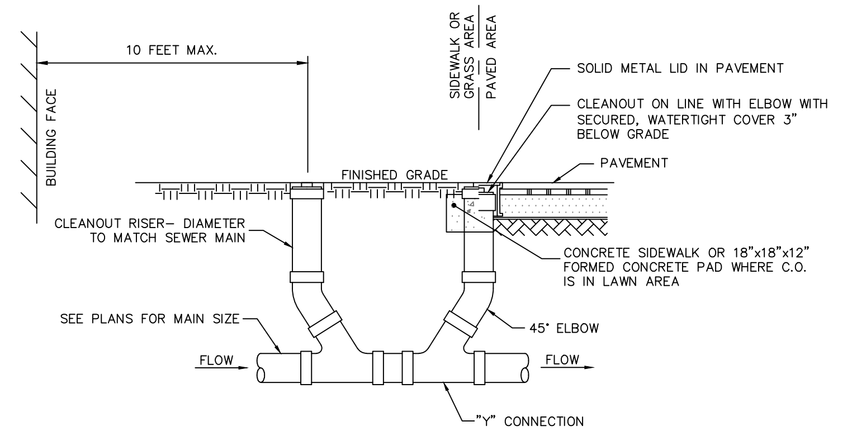
1. IF COVER IS LESS THAN 4 FEET INSULATION IS REQUIRED.

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.

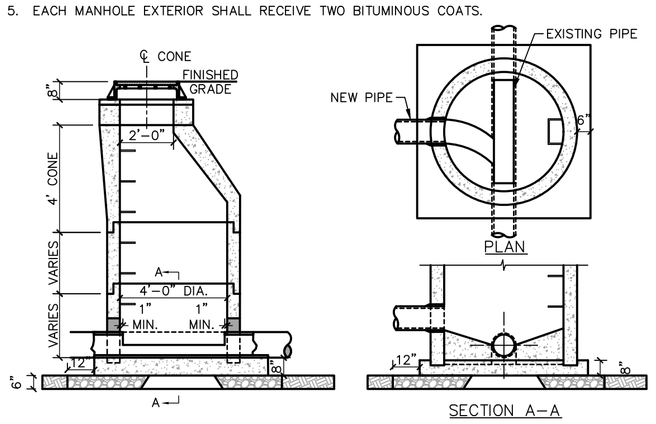


DOUBLE SEWER CLEANOUT DETAIL

NOT TO SCALE

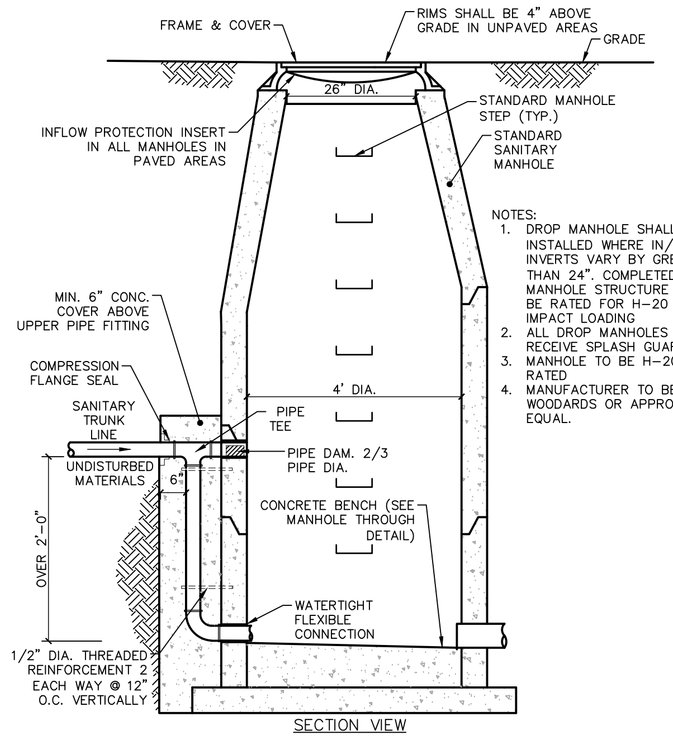
NOTES:

1. INVERT SHALL BE FILLETED.
2. REINFORCEMENT FOR MANHOLE AND SLAB TOP SHALL BE DESIGNED BY A LICENSED CONNECTICUT 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.



DOGHOUSE SANITARY SEWER MANHOLE DETAIL

SCALE: 1/4"=1'-0"



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.

SANITARY SEWER DROP MANHOLE DETAIL

SCALE: 1/2" = 1'-0"

STATE OF NEW YORK — ROBERTE MORRISON — 071914 — LICENSED PROFESSIONAL ENGINEER

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LRC Engineering & Surveying, LLC
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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.	DN-2
Drawn	SMC	Project No.	20-2370		
Checked	KFC	Date	2021-06-22		
Approved	REM	Scale	AS NOTED		

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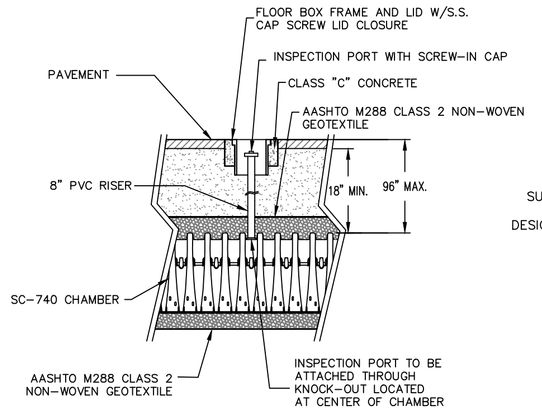
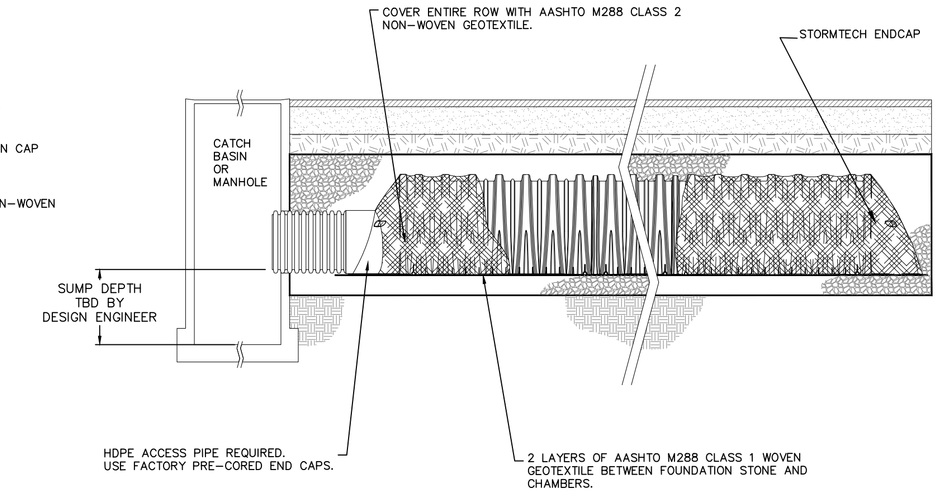


REFER TO PLAN FOR INSPECTION PORT LOCATION ON ISOLATOR ROW.

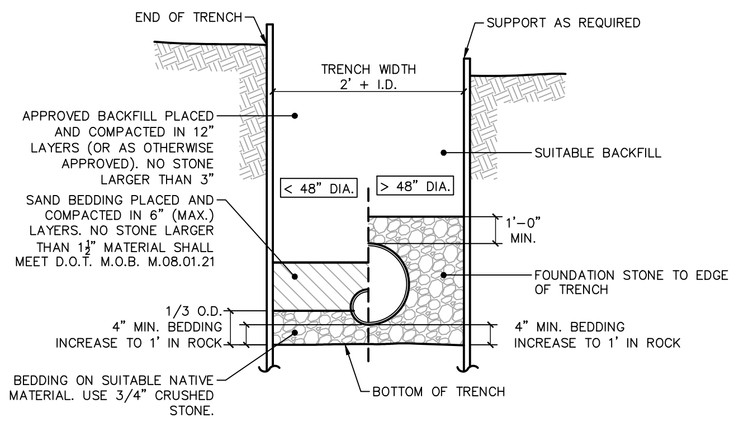
SC-740 INSPECTION PORT DETAIL

NOT TO SCALE



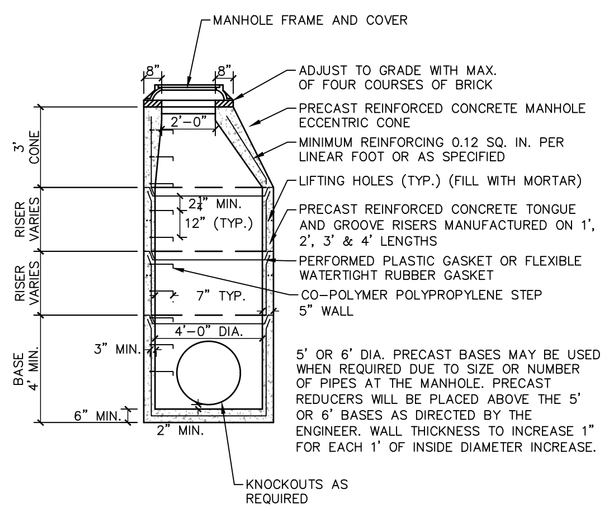
SC-740 ISOLATOR ROW DETAIL

NOT TO SCALE



TYPICAL STORM SEWER TRENCH SECTION DETAIL

SCALE: 1/4" = 1'-0"

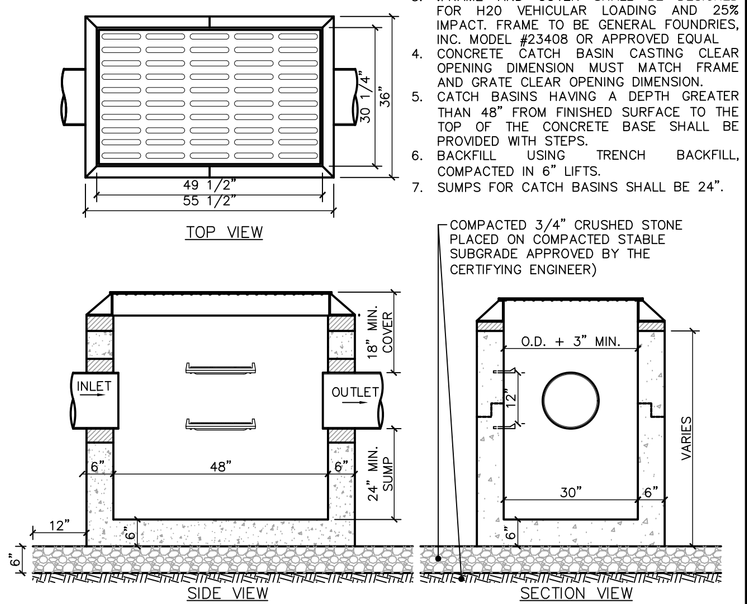


STORM DRAINAGE MANHOLE DETAIL

SCALE: 1/4" = 1'-0"

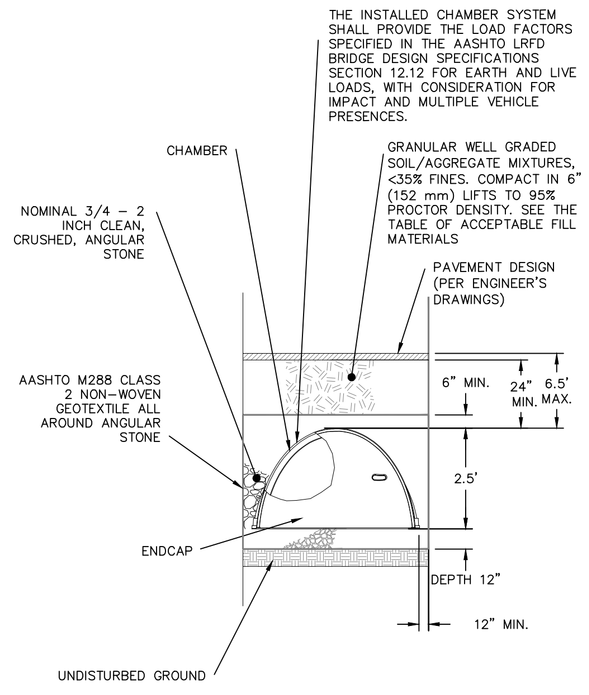
NOTES:

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".



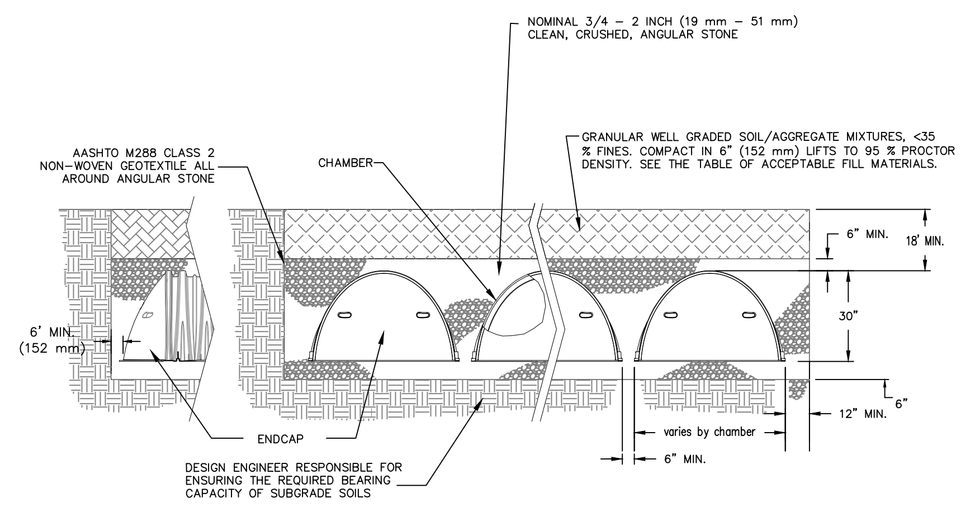
CURB LESS TYPE CATCH BASIN DETAIL

SCALE: 1/2" = 1'-0"



CHAMBER TYPICAL SC 740 CONSTRUCTION SECTION

NOT TO SCALE

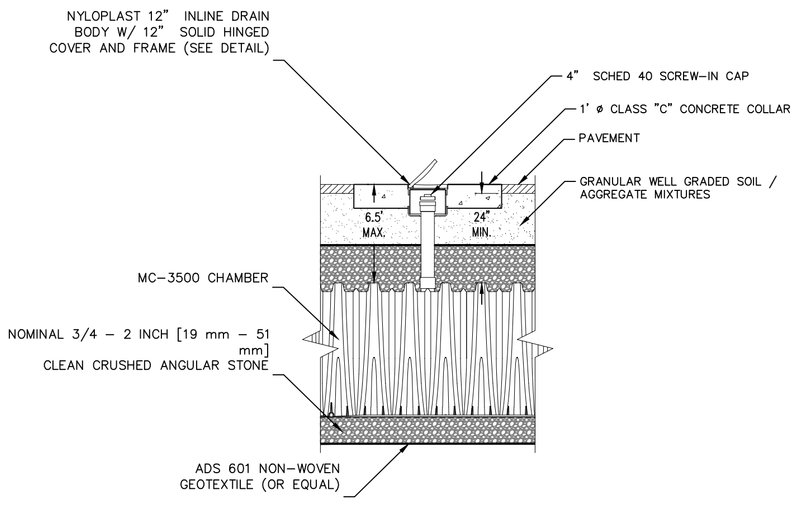


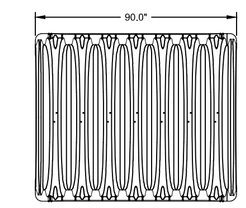
SC 740 CHAMBER TYPICAL CONSTRUCTION SECTION

NOT TO SCALE

NOTES:

1. INSPECTION PORTS MAY BE CONNECTED THROUGH ANY OF (6) CHAMBER CORRUGATION VALLEYS
2. ALL SCHEDULE 40 FITTINGS TO BE SOLVENT CEMENTED.
3. INSPECTION PORT TO BE LOCATED AT EACH END OF ISOLATOR ROW, SEE PLANS



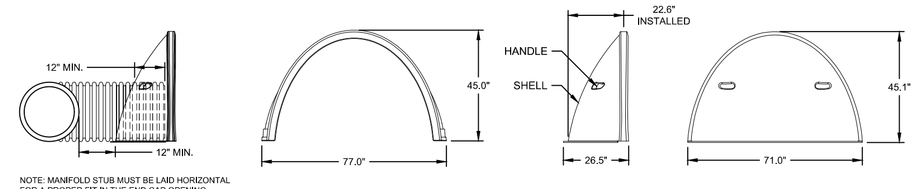


NOMINAL MC-3500 CHAMBER SPECIFICATIONS

SIZE (L x W x H)	90" x 77" x 45"
CHAMBER STORAGE	109.9 ft³
MINIMUM INSTALLED STORAGE	178.9 ft³
WEIGHT	134 lbs.

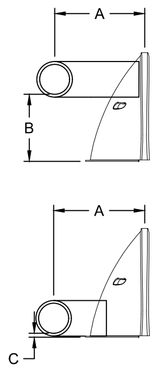
NOMINAL MC-3500 END CAP SPECIFICATIONS

SIZE (L x W x H)	26.5" x 71" x 45.1"
ENDCAP STORAGE	15.6 ft³
MINIMUM INSTALLED STORAGE	46.9 ft³
WEIGHT	43 lbs.



NOTE: MANIFOLD STUB MUST BE LAID HORIZONTAL FOR A PROPER FIT IN THE END CAP OPENING.

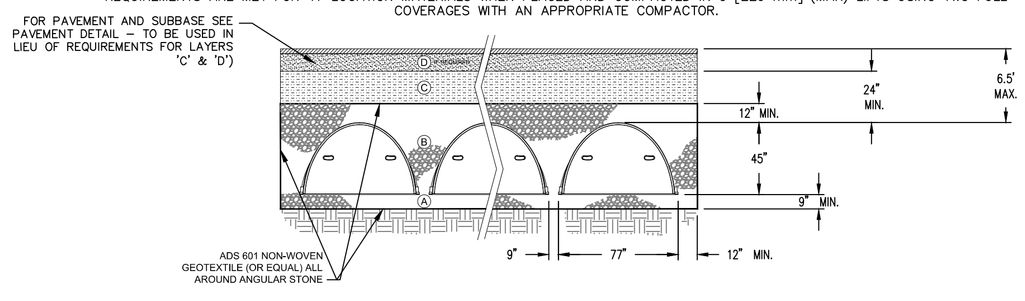
HEADER PIPE TO VARY - SEE PLANS



PART NUMBERS ENDING WITH "B" ARE FOR STUBS AT BOTTOM OF END CAP.
PART NUMBERS ENDING WITH "T" ARE FOR STUBS AT TOP OF END CAP.

PART#	STUB	B	C
MC3500TEPE12T	12"	26.36"	N/A
MC3500TEPE12B	12"	N/A	1.35"
MC3500TEPE15T	15"	23.39"	N/A
MC3500TEPE15B	15"	N/A	1.50"
MC3500TEPE18T	18"	20.03"	N/A
MC3500TEPE18B	18"	N/A	1.77"
MC3500TEPE24T	24"	14.48"	N/A
MC3500TEPE24B	24"	N/A	2.06"

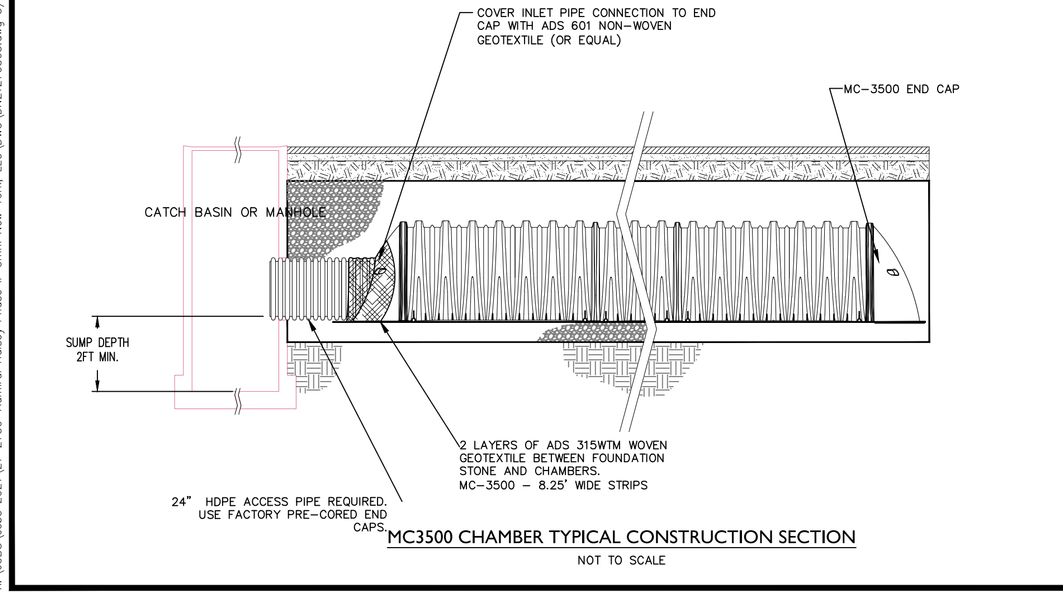
NOTE: ALL DIMENSIONS ARE NOMINAL



PLEASE NOTE:

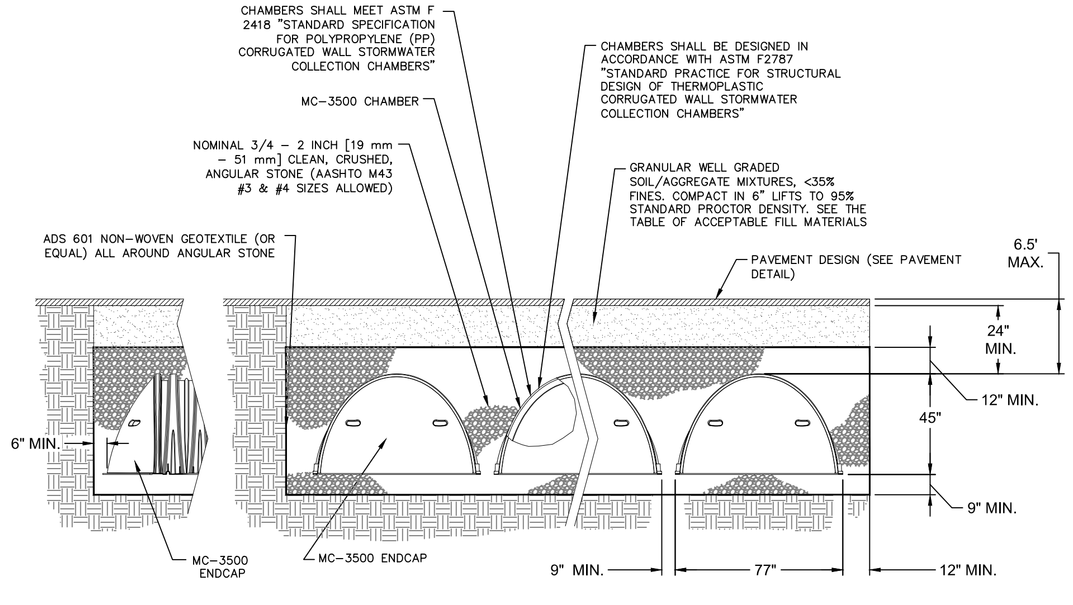
1. THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: 'CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE'.

2. AS AN ALTERNATE TO PROCTOR TESTING AND FIELD DENSITY MEASUREMENTS ON OPEN GRADED STONE, STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 9"[229 mm] (MAX) LIFTS USING TWO FULL COVERAGES WITH AN APPROPRIATE COMPACTOR.



MC3500 CHAMBER TYPICAL CONSTRUCTION SECTION

NOT TO SCALE



MC3500 CHAMBER TYPICAL CONSTRUCTION SECTION

NOT TO SCALE

No.	Date	Description
1	12/21/2021	REVISED PER COMMENTS
2	2/28/2022	REVISED PER COMMENTS
3	3/22/2022	REVISED PER COMMENTS

Revisions

LRC GROUP

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- Civil Engineering
- Environmental Services
- Land Surveying
- Landscape Architecture

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www.lrcconsult.com

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

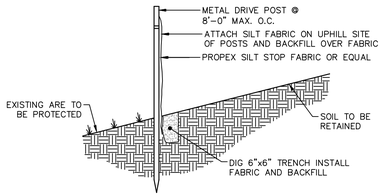
STORMWATER DETAILS

ADMIRAL HALSEY II

125 MAIN STREET
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NEW YORK

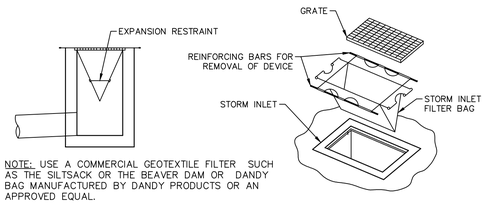
Design/Calcs	BS	CAD File	DN21270303.dwg	Sheet No.	DN-3
Drawn	SMC	Project No.	20-2370		
Checked	KFC	Date	2021-06-22		
Approved	REM	Scale	AS NOTED		

STATE OF NEW YORK
RODNEY E. MORRISON
LICENSED PROFESSIONAL ENGINEER
071419



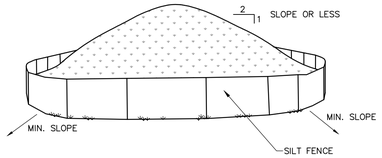
NOTE: FOR SLOPES > 5:1; PERPENDICULAR WINGS PLACED EVERY 100'
FOR SLOPES > 3:1 TO 5:1; PERPENDICULAR WINGS PLACED EVERY 75'
FOR SLOPES > 2:1 TO 3:1; PERPENDICULAR WINGS PLACED EVERY 50'

1 SILT FENCE DETAIL
SCALE: N.T.S.



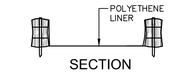
NOTE: USE A COMMERCIAL GEOTEXTILE FILTER SUCH AS THE SILTSACK OR THE BEAVER DAM OR DANDY BAG MANUFACTURED BY DANDY PRODUCTS OR AN APPROVED EQUAL.

2 SILT SACK DETAIL
SCALE: N.T.S.

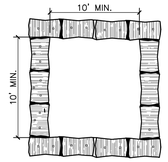


NOTES:
1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 1V:2H.
3. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH SILT FENCING, THEN STABILIZED WITH VEGETATION OR COVERED.
4. SEE SPECIFICATIONS FOR INSTALLATION OF SILT FENCE.
5. HAYBALES OR SILT SOCKS TO BE USED WHERE STOCKPILES ARE LOCATED ON PAVED AREAS.

3 MATERIALS STOCKPILE DETAIL
SCALE: N.T.S.



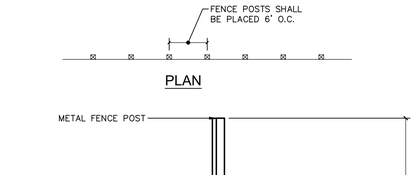
SECTION



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.

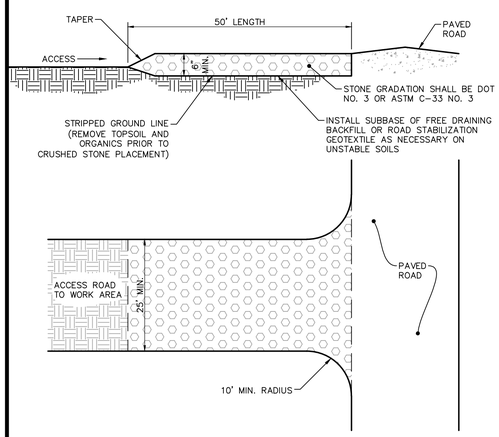
4 ABOVE GROUND TEMPORARY CONCRETE/VEHICLE WASHOUT FACILITY DETAIL
SCALE: 1/8" = 1'-0"



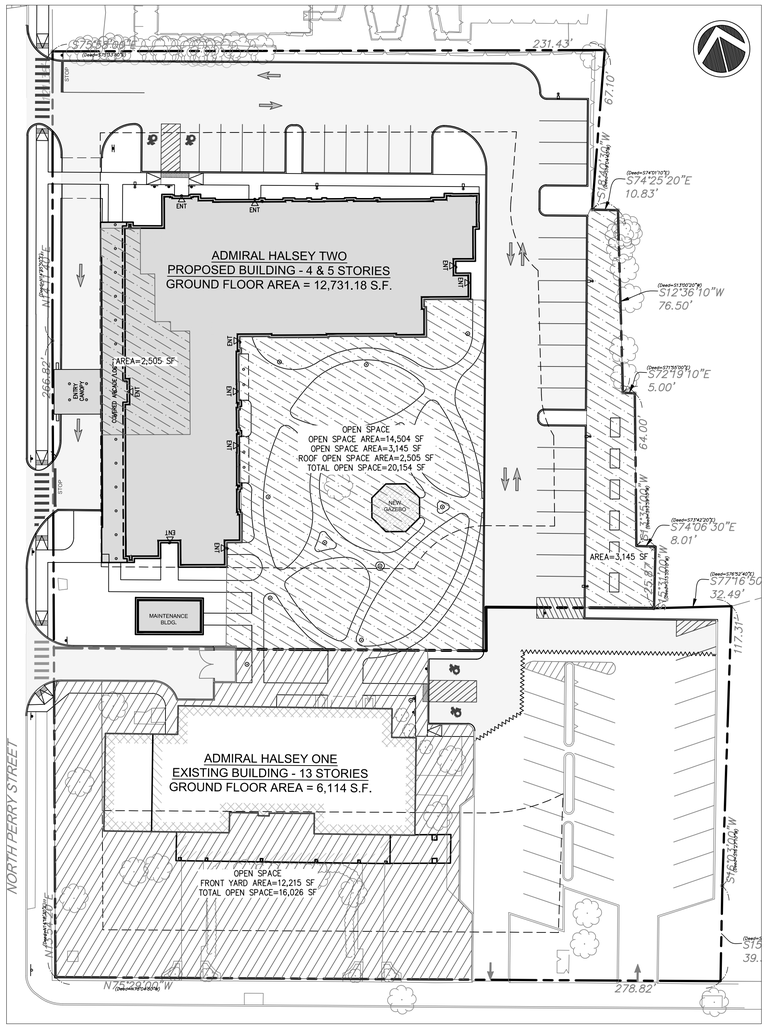
PLAN

SECTIONAL ELEVATION

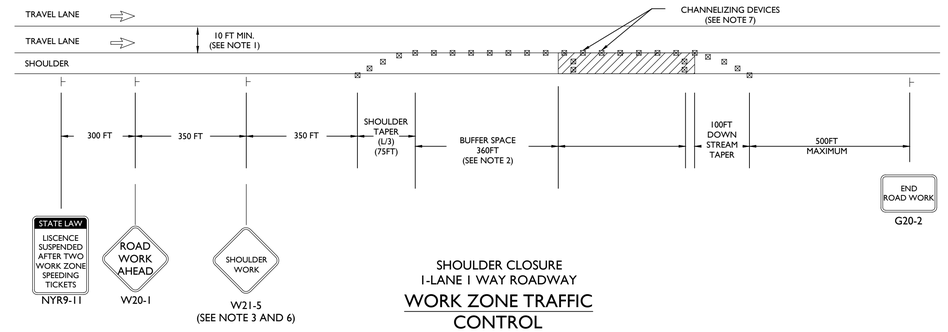
5 ORANGE CONSTRUCTION FENCE DETAIL
SCALE: 1/2" = 1'-0"



6 CONSTRUCTION ENTRANCE DETAIL
SCALE: 1/16" = 1'-0"

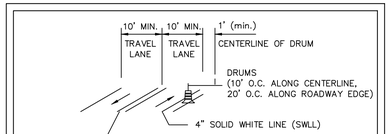


OPEN SPACE PLAN
SCALE: 1"=30'



SHOULDER CLOSURE
1-LANE 1 WAY ROADWAY

WORK ZONE TRAFFIC CONTROL
NOT TO SCALE



DETAIL FOR PLACEMENT OF DRUMS
NOT TO SCALE

GRAPHIC SCALE
20 10 0 20
SCALE IN FEET

#	Date	Description
2.	2/28/2022	REVISED PER COMMENTS
3.	3/22/2022	REVISED PER COMMENTS
4	7/6/2022	REVISED PER COMMENTS
5	7/15/2022	REVISED PER COMMENTS
6	7/25/2022	REVISED PER COMMENTS

Revisions

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

STATE OF NEW YORK
RODNEY E. MORRISON
LICENSED PROFESSIONAL ENGINEER
071154

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	

X:\JOBS\Jobs 2021\21-2730-Admiral Halsey Phase II-Omni New York, LLC\DWG\DN21270304.dwg 7/25/2022 1:13 PM Kcassmento

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)

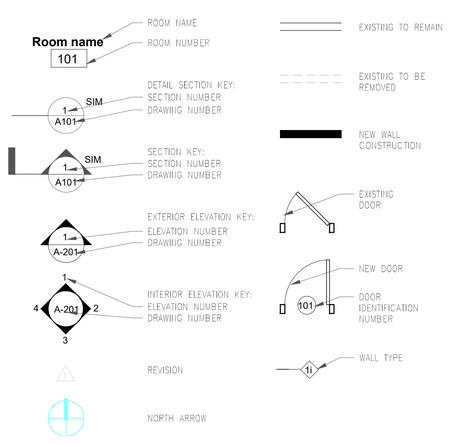
Fire Chief	Date
Police Chief	Date
Building Inspector	Date
City Engineer	Date
Commissioner of Public Works	Date

ABBREVIATIONS

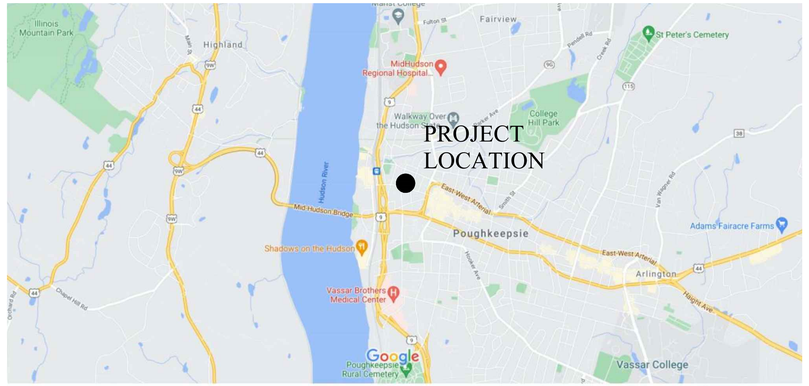
A	ACOUST.	ACOUSTICAL
	A.C.T.	ACOUSTICAL CEILING TILE
	A.F.F.	ABOVE FINISHED FLOOR
	ALUM.	ALUMINUM
	ANOD.	ANODIZED
	APPROX.	APPROXIMATE
	AVG.	AVERAGE
B	B.O.	BOTTOM OF
	BLDG.	BUILDING
	BLKG.	BLOCKING
	BRG.	BEARING
C	CAB.	CABINET
	CLG.	CEILING
	C.J.	CONTROL JOINT
	C.L.	CENTER LINE
	CLOS.	CLOSET
	CLR.	CLEAR
	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
	REQD.	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

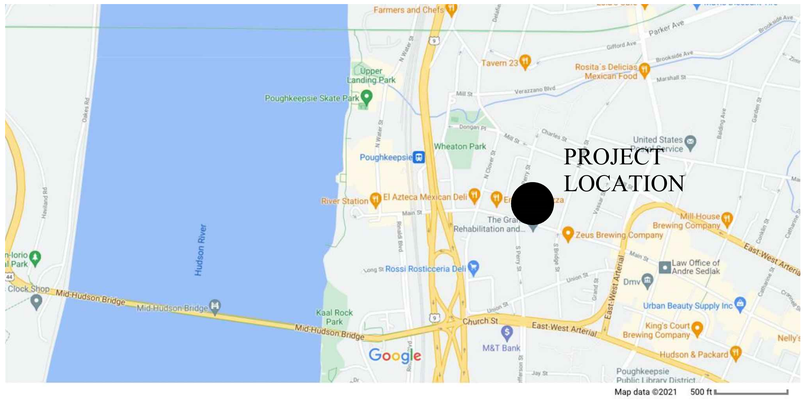
SITE DATA

SYMBOL LEGEND



LOCATION MAP





DRAWING INDEX

Sheet Number	Sheet Name
1 - GENERAL	
T-101	TITLE SHEET
G-100	ADJOINING PROPERTIES MAP
2 - ARCHITECTURAL	
PZ-100	GROUND FLOOR PLAN
PZ-101	2ND - 4TH FLOOR PLANS
PZ-102	5TH FLOOR PLAN
PZ-103	WEST ELEVATION / SOUTH ELEVATION
PZ-104	EAST ELEVATION / NORTH ELEVATION
PZ-105	WEST SITE SECTION/SOUTH SITE SECTION
PZ-106	EAST SITE SECTION/NORTH SITE SECTION
PZ-107	RENDERINGS
PZ-108	RENDERINGS
PZ-109	PHOTOS OF ADJACENT PROPERTIES
PZ-110	MATERIAL BOARD
3 - CIVIL	
CV-1	COVER SHEET - not included this submission
EX-1	EXISTNG CONDITIONS
SUB-1	SUBDIVISION PLAT - not included this submission
DM-1	DEMOLITION PLAN
SP-1	SITE PLAN
SG-1	SITE GRADING - not included this submission
SD-1	SITE DRAINAGE - not included this submission
UT-1	UTILITIES PLAN
EC-1	EROSION & SEDIMENT CONTROL PLAN - not included
LL-1	LANDSCAPE PLAN
LP-1	SITE LIGHTING PLAN
TT-1	TRUCK TURNING PLAN - not included this submission
NS-1	NOTES SHEET - not included this submission
DN-1	SITE DETAILS - not included this submission
DN-2	SANITARY / WATER DETAILS
DN-3	STORMWATER DETAILS - not included this submission
DN-4	EROSION CONTROL DETAILS

REVISION 1: ISSUED TO PLANNING BOARD - 2022.03.01

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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 16526 STATE OF NEW YORK

TITLE SHEET

Date: 2021.12.21
Project number: Y1629.20

T-101

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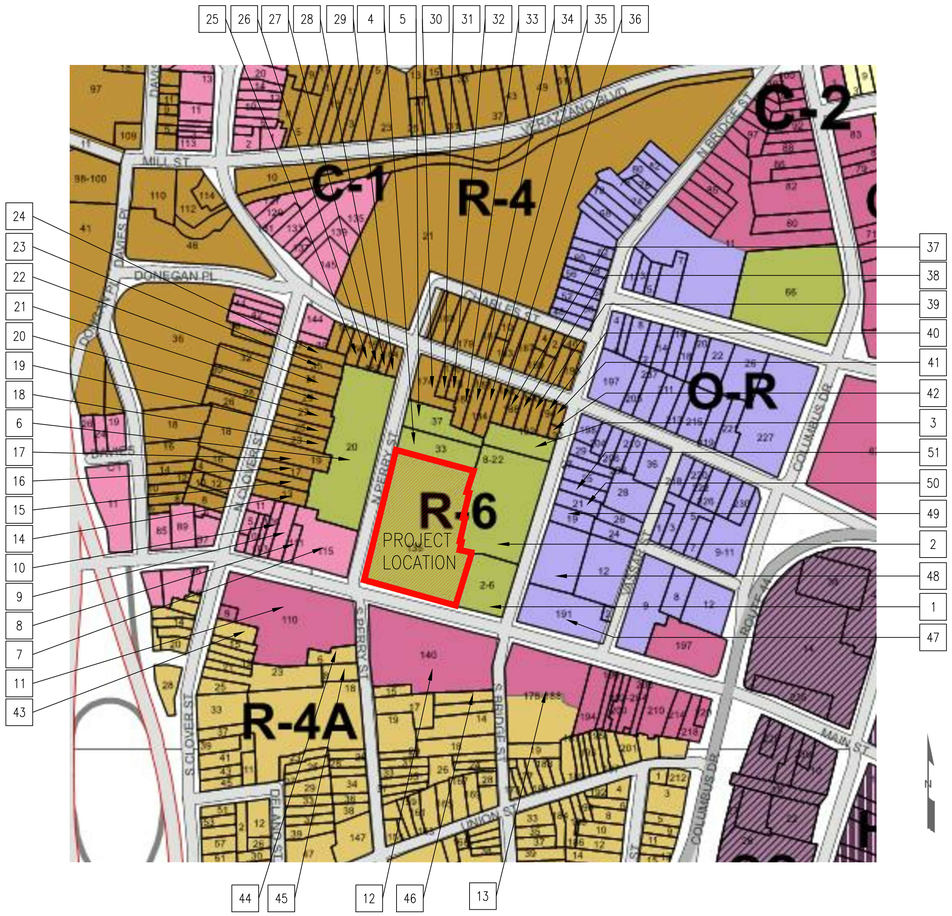

1 ADJOINING PROPERTY OWNER PLAN
NOT TO SCALE

ADJOINING PROPERTY OWNER LEGEND

ZONE	ID No.	LOT No.	PRIMARY OWNER/ADDRESS
R-1	1	925155	JOACHIM KIEFERT NEWBURGH GmbH 35 MANCHESTER CIRCLE POUGHKEEPSIE, NY 12601
	2	931179	JOHN F. BAHRENBURG – TRUSTEE 248 OVERLOOK ROAD POUGHKEEPSIE, NY 12603
	3	935196	MILL STREET ESTATES LLC 39 HOOSE BLVD FISHKILL, NY 12524
	4	912195	CITY OF POUGHKEEPSIE P.O. BOX 300 POUGHKEEPSIE NY 12602
	5	910206	15037 VICTORY LLC 4530 E. THOUSAND OAKS BLVD WESTAGE VILLAGE, CA 91362
	6	888192	15037 VICTORY LLC 4530 E. THOUSAND OAKS BLVD WESTAGE VILLAGE, CA 91362
	7	840167	DANIEL MILANESE – TRUSTEE 115 MAIN STREET POUGHKEEPSIE, NY 12601
	8	871168	DANIEL MILANESE – TRUSTEE 115 MAIN STREET POUGHKEEPSIE, NY 12601
	9	868171	DANIEL MILANESE – TRUSTEE 115 MAIN STREET POUGHKEEPSIE, NY 12601
	10	865172	RODOLFO GUERRIERO LT 29 WORRALL AVENUE. POUGHKEEPSIE NY 12603
C-2	11	870147	MARSHALL & STERLING REALTY INC. 110 MAIN STREET POUGHKEEPSIE NY 12601
	12	906135	RIVER VALLEY REALTY CO. LP 143-10 20TH AVENUE WHITESTONE, NY 11357
	13	944121	QUEEN CITY LOFT HOUSING DEV. 34 CLAYTON BLVD. BALDWIN PLACE, NY 10505
R-4	14	867182	WILSON F. VILLA 13 NORTH CLOVER STREET POUGHKEEPSIE NY 12601
	15	868186	CAROL E. GUSTAFSON 649 NOXON ROAD POUGHKEEPSIE NY 12601
	16	869189	R.F. REYNOLDS PROPERTY & ACQUISITION CORP. 21 MARWILL STREET ALBANY, NY 12209
	17	873193	POUGHKEEPSIE APOSTOLIC CHURCH 19 N. CLOVER STREET POUGHKEEPSIE NY 12601
	18	872198	HEIDIN N. QUIJADA GUERRA 27 N. CLOVER STREET POUGHKEEPSIE, NY 12601
	19	873201	ELBIN ANTONIO QUIJADA GUERRA 25 N. CLOVER STREET POUGHKEEPSIE, NY 12601
	20	874205	ALEYDA JUDITH QUIJADA GUERRA 27 N. CLOVER STREET POUGHKEEPSIE, NY 12601
	21	875209	ANTAR CAPITAL LLC 3224 CHURCH STREET POUGHKEEPSIE NY 12601
	22	876214	GIULIO MAZZARELLI – TRUSTEE 32 SCHOOLHOUSE LANE POUGHKEEPSIE NY 12603
	23	877219	GIULIO MAZZARELLI – TRUSTEE 32 SCHOOLHOUSE LANE POUGHKEEPSIE NY 12603
	24	878222	GIULIO MAZZARELLI – TRUSTEE 32 SCHOOLHOUSE LANE POUGHKEEPSIE NY 12603
	25	889224	JOHN P. LEONARD 4 KEITH PLACE POUGHKEEPSIE NY 12603
	26	892222	JOHN P. LEONARD 4 KEITH PLACE POUGHKEEPSIE NY 12603
	27	895222	JOHN P. LEONARD 4 KEITH PLACE POUGHKEEPSIE NY 12603

ADJOINING PROPERTY OWNER LEGEND

ZONE	ID No.	LOT No.	PRIMARY OWNER/ADDRESS
R-4	28	898221	3 GEMMS REALTY LLC 30 MANCHESTER ROAD POUGHKEEPSIE, NY 12603
	29	900220	JOHN LEONARD 4 KEITH PLACE POUGHKEEPSIE, NY 12603
	30	909213	JOHN P. LEONARD 4 KEITH PLACE POUGHKEEPSIE, NY 12603
	31	914214	LORY PROPERTIES CORP. P.O. BOX 235 STORMVILLE, NY 12582
	32	917213	333 MANSION LLC 35 MILE HILL ROAD HIGHLAND, NY 12528
	33	920209	SHANE BARTHOLOMEW 70 WHITTIER BLVD POUGHKEEPSIE, NY 12603
	34	923208	TURNOVER 2 LLC 117 EXECUTIVE DRIVE NEW WINDSOR, NY 12553
	35	927207	MICHAEL HOMAK 184 MILL STREET POUGHKEEPSIE, NY 12601
	36	931207	JAMES DOLFINGER 186 MILL STREET POUGHKEEPSIE, NY 12601
	37	934206	KMM PROPERTIES LLC 46 VASSAR ROAD POUGHKEEPSIE NY 12603
	38	937205	TONIO CAPPIELLO 192 MILL STREET POUGHKEEPSIE NY 12601
	39	940204	TONIO CAPPIELLO 192 MILL STREET POUGHKEEPSIE NY 12601
	40	943203	JOSHUA TAYLOR 194 MILL STREET POUGHKEEPSIE, NY 12601
	41	947204	VICTOR JOSEPH TROCINO 158 MORTON ROAD RHINRBECK, NY 12572
	42	945199	T.J. ASSOCIATES INC. P.O. BOX 5310 POUGHKEEPSIE NY 12602
R-4A	43	855143	MARSHALL & STERLING REALTY INC. 110 MAIN STREET POUGHKEEPSIE NY 12601
	44	881134	MARSHALL & STERLING REALTY INC. 110 MAIN STREET POUGHKEEPSIE NY 12601
	45	884129	BURTON COLD PROPERTIES LLC 12 RAYMOND AVE NE POUGHKEEPSIE, NY 12603
	46	920123	NORTH EASTERN CONFERENCE CORP. 115-50 MERRICK BLVD. JAMAICA, NY 11434
R-4A	47	941153	CMRC LTD 4 BRIDGE STREET BROADALBIN, NY 12025
	48	947163	NORTH EASTERN CONFERENCE CORP. 115-50 MERRICK BLVD. JAMAICA, NY 11434
	49	951174	NORTH EASTERN CONFERENCE CORP. 115-50 MERRICK BLVD. JAMAICA, NY 11434
	50	952178	NORTH EASTERN CONFERENCE CORP. 115-50 MERRICK BLVD. JAMAICA, NY 11434
	51	954182	NORTH EASTERN CONFERENCE CORP. 115-50 MERRICK BLVD. JAMAICA, NY 11434
	52	955186	ANGELA LEMOS 25 N. BRIDGE STREET POUGHKEEPSIE NY 12601

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NEW YORK CITY, NY 10022

PROJECT NAME:
ADMIRAL HALSEY II
135 MAIN STREET
POUGHKEEPSIE, NY 12601

REGISTERED ARCHITECT STEVEN TINKELMAN 18526 STATE OF NEW YORK

ADJOINING PROPERTIES MAP

Date: 2021.12.21
Project number: Y1629.20

G-100

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5/14/2021 7:15:06 AM

FUNCTION LEGEND

STUDIO UNIT	
ONE BEDROOM UNIT	
TENANT AMENITIES	
TENANT SERVICES	
BUILDING MANAGEMENT	
COMMUNITY AMENITIES	
HCR SERVICES	
BUILDING SERVICES	

1 1ST FLOOR PLAN
1/8" = 1'-0"

0' 4' 8' 16'

N

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POUGHKEEPSIE, NY 12601

REGISTERED ARCHITECT STEVEN TINKELMAN 16526 STATE OF NEW YORK

GROUND FLOOR PLAN

Date: 2022.03.01
Project number: Y1629.20

PZ-100

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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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PROJECT NAME:
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REGISTERED ARCHITECT STEVEN TINKELMAN 16529 STATE OF NEW YORK

2ND - 4TH FLOORS

Date: 2021.12.21
Project number: Y1629.20

PZ-101

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12/17/2021 10:11:38 AM

1 TYP. STAIR TOWER: 5TH FL / ROOF
1/8" = 1'-0"

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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REGISTERED ARCHITECT STEVEN TINKELMAN 16528 STATE OF NEW YORK

5TH FLOOR

Date: 2022.03.01
Project number: Y1629.20

PZ-102

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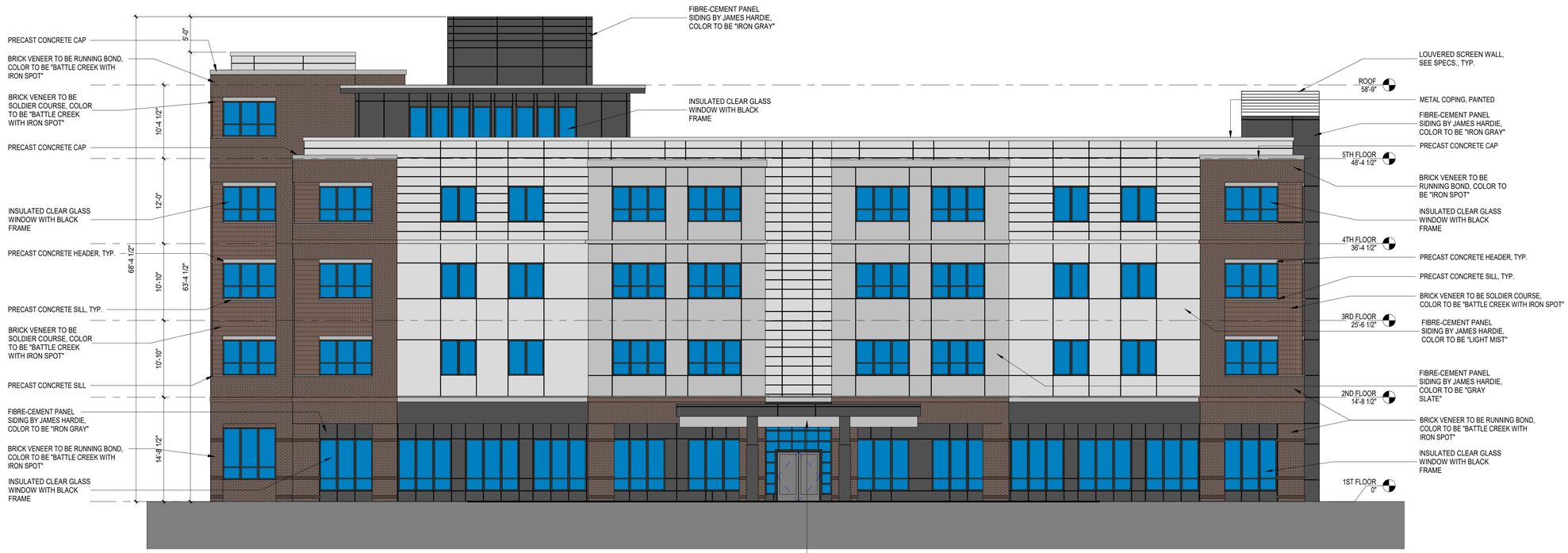

1 WEST ELEVATION
1/8" = 1'-0"

0' 4' 8' 16'

2 SOUTH ELEVATION
1/8" = 1'-0"

0' 4' 8' 16'

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135 MAIN STREET
POUGHKEEPSIE, NY 12601

REGISTERED ARCHITECT STEVEN TINKELMAN 18528 STATE OF NEW YORK

WEST ELEVATION
SOUTH ELEVATION

Date: 2022.04.26
Project number: Y1629.20

PZ-103

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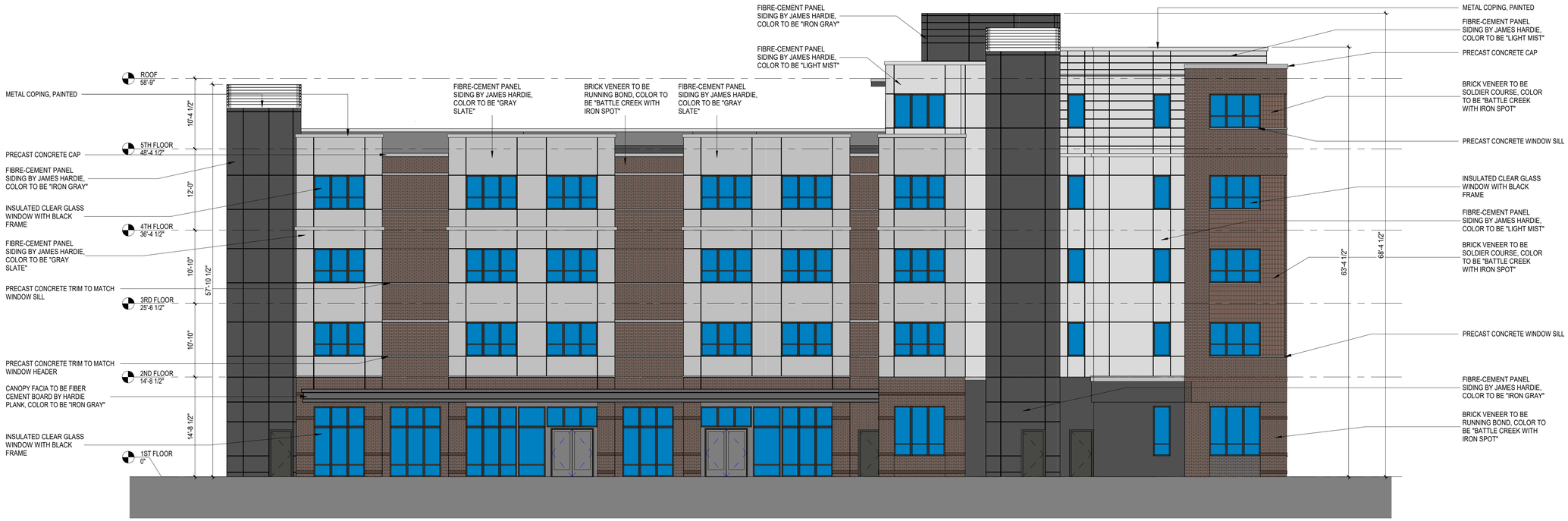

1 EAST ELEVATION
1/8" = 1'-0"
0' 4' 8' 16'

2 NORTH ELEVATION
1/8" = 1'-0"
0' 4' 8' 16'

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PROJECT NAME:
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135 MAIN STREET
POUGHKEEPSIE, NY 12601

REGISTERED ARCHITECT STEVEN TINKELMAN 18528 STATE OF NEW YORK

EAST ELEVATION
NORTH ELEVATION

Date: 2022.04.26
Project number: Y1629.20

PZ-104

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4/5/2022 9:31:49 AM

2 SITE SECTION: WEST ELEVATION
NOT TO SCALE

1 SITE SECTION: SOUTH ELEVATION
NOT TO SCALE

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POUGHKEEPSIE, NEW YORK 12601

REGISTERED ARCHITECT STEVEN TINKELMAN 16529 STATE OF NEW YORK

WEST SITE SECTION
SOUTH SITE SECTION

Date: 2022.03.01
Project number: Y1629

PZ-105

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2 SITE SECTION: EAST ELEVATION
NOT TO SCALE

1 SITE SECTION: NORTH ELEVATION
NOT TO SCALE

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POUGHKEEPSIE, NEW YORK 12601

REGISTERED ARCHITECT STEVEN TINKELMAN 16528 STATE OF NEW YORK

EAST SITE SECTION
NORTH SITE SECTION

Date: 2022.03.01
Project number: Y1629

PZ-106

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PROJECT NAME:

ADMIRAL HALSEY II

135 MAIN STREET
POUGHKEEPSIE, NEW YORK 12601

REGISTERED ARCHITECT STEVEN TINKELMAN 16528 STATE OF NEW YORK

RENDERINGS

Date: 2022.04.26

Project number: Y1629

PZ-107

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135 MAIN STREET
POUGHKEEPSIE, NEW YORK 12601

REGISTERED ARCHITECT STEVEN TINKELMAN 16528 STATE OF NEW YORK

RENDERINGS

Date: 2022.04.26

Project number: Y1629

PZ-108

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4/5/2022 8:06:30 AM

1 33 N. Perry St. - Abandon Water Park - 2021.06.01

2 33 N. Perry St. - Abandon Water Park - 2016.11.01

3 N. Perry St. - 2021.06.01

4 NW Corner N. Perry St. - 2016.11.01

5 115 Main Street - 2021.11.01

6 110 Main Street - 2021.06.01

7 140 Main Street - NW - 2021.06.01

8 178-188 Main St - Aerial - 2021.06.01

9 191 Main St - Aerail - 2021.06.01

10 10-135 Main Street - Admiral Halsey One - 2021.06.01

11 PHOTO LEGEND MAP

N

GRAPHIC SCALE
0 50' 100' 200'

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PROJECT NAME:
ADMIRAL HALSEY II
135 MAIN STREET
POUGHKEEPSIE, NY 12601

REGISTERED ARCHITECT STEVEN TINKELMAN 16528 STATE OF NEW YORK

PHOTOS OF ADJOINING PROPERTIES

Date: 2021.12.21
Project number: Y1629.20

PZ-109

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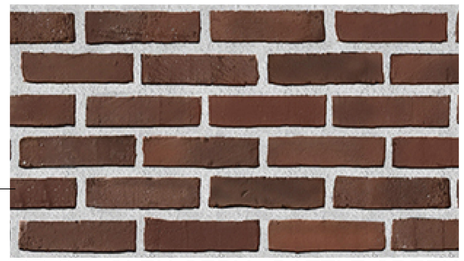
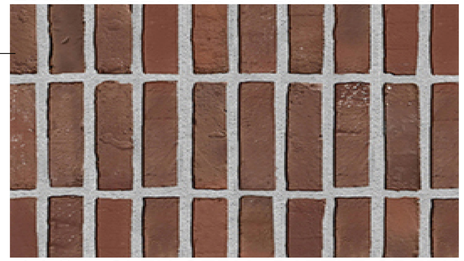
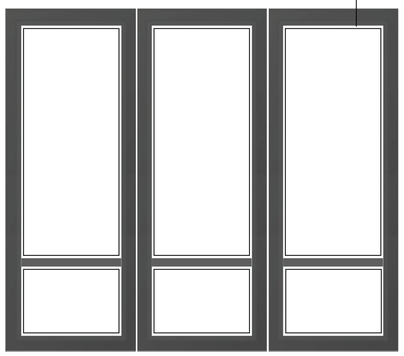


BRICK: GLEN GERY - BATTLE CREEK - RUNNING BOND



BRICK: GLEN GERY - BATTLE CREEK - STACKED BOND

EXT. DOORS / STOREFRONT: KAWNEER



EXT. WINDOWS: INTUS WINDOWS (FIXED/CASEMENT)

PANEL: JAMES HARDIE - GRAY SLATE

PANEL: JAMES HARDIE - IRON GRAY

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ADMIRAL HALSEY II
135 MAIN STREET
POUGHKEEPSIE, NEW YORK 12601

REGISTERED ARCHITECT STEVEN TINKELMAN 16528 STATE OF NEW YORK

EXTERIOR MATERIAL BOARD

Date: 2022.03.01
Project number: Y1629

PZ-110

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Admiral Halsey Phase II

Part F: Supplemental Information:

E.1.h. Potential contamination history. Has there been a reported spill at the proposed sit, or have any remedial actions been conducted at or adjacent to the proposed site?

Site ID: 314071 has been identified by the DEC EAF Mapper. However, it has been determined that no significant MGP waste material was found and a No Further Action letter dated 3/12/07. See attached DEC Remedial Database Site Record 314071 attached.

E.1.h.iii. Is the project within 2000 feet of any site in the NYSDEC Environmental Site Remediation database?

The EAF Mapper indicates several sites from the DEC Remediation database.

DEC ID: V00292 - Remediation at this site is complete. Prior to remediation, the primary contaminant was coal tar, which contains PAHs and BTEX compounds. It is anticipated that groundwater contamination will continue to exist indefinitely. No groundwater receptors have been identified.

DEC ID: 314068 – Same as above (V00292) per attached report.

DEC ID: 314071 – (Located on project site) 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 pit 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. The 1990 PSA found little evidence of MGP wastes in the subsurface. Additional work conducted in2006 addressed potential data gaps in the original PSA. This second round of work also failed to detect significant levels of contamination.

DEC ID: C314125 - Remediation at the site is complete.

DEC ID: C314070 – Remediation is ongoing. See attached report.

DEC ID: C314135 – Remediation is ongoing and measures are in place to control the potential for coming in contact with remaining residual contamination in subsurface soil, groundwater and soil vapor.

DEC ID: 314122 - 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.

DEC ID: 546031- Remediation is ongoing and measures such as, deploying signs and installing various covers and are intended to reduce exposures to PCBs in floodplain soils until a permanent remedy is developed. Additionally, a remedial investigation to address floodplain soils in the Upper Hudson River Floodplain under USEPA and State oversight is now underway.

The reports for the above-mentioned remediation sites can be found in attached. The remediation sites will have no effect on the proposed project.

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: CH - Laurel St. - Poughkeepsie MGP
Site Code: V00292
Program: Voluntary Cleanup Program
Classification: C
EPA ID Number:

Location

DEC Region: 3
Address: Laurel Street
City: Poughkeepsie Zip: 12601
County: Dutchess
Latitude: 41.70010088
Longitude: -73.93590927
Site Type:
Estimated Size: 1.5 Acres

Site Owner(s) and Operator(s)

Site Description

Site Location: This 1.5 acre site is located in the City of Poughkeepsie, Dutchess County and it is bounded to the north by Laurel Street, to the east by former Gate Street, to the west by the median between the north and south bound lanes of the Route 9, and to the south by residences along Grove Street. This area of Poughkeepsie is zoned C-3, a general commercial district. Site Features: The site consists of a steep grass covered slope with small trees, and a wooded area that comprises the areas adjacent to and within the median of the Rte 9 divided highway. Current Land Use and Zoning: With the exception of the highway, the site is vacant. This area of Poughkeepsie is zoned C-3, a general commercial district. Past Uses of the Site: The site was formerly used as a manufactured gas plant

(MGP). Seven investigations performed at the site, including a soil vapor survey, identified presence of PAHs and BTEX contamination related to coal tar from the MGP operation. Based on the current conditions at the site, exposure to contaminants released to the air is unlikely due to an absence of elevated organic readings in the ambient air. An additional investigation of river sediments was performed, with no contamination identified. The portion of the site lying to the east of NY Route 9 was remediated using in-situ stabilization (ISS) in 2008. A soil boring/groundwater monitoring program was conducted after the completion of the remediation to assess the extent of tar contamination beneath Route 9 and the impact on groundwater. Significant MGP source material associated with the gas holder remains under the northbound lanes of Rte 9 where it is currently inaccessible.

Contaminants of Concern (Including Materials Disposed)

Contaminant Name/Type
coal tar
other

Site Environmental Assessment

Remediation at this site is complete. Prior to remediation, the primary contaminant was coal tar, which contains PAHs and BTEX compounds. Tar-impacted subsurface soils were found in an area beneath Route 9 (where most of the plant stood) and in a small grassy lot immediately to the east. This eastern area was remediated by in situ stabilization down to bedrock in 2008. The source areas beneath Route 9, including a gas holder foundation, are inaccessible due to the presence of a highway interchange and are expected to remain so indefinitely. The westward extent of contamination is delineated. A series of perimeter monitoring well clusters have been installed at the edge of the site boundaries (in the median of Rte 9) to assess off-site migration of contamination. Step-out wells to the west of Route 9 (along the upgradient edge of the adjacent Pura site) were installed in early 2011. Currently, quarterly ground water monitoring is ongoing. With significant source areas still remaining beneath NY Route 9, it is anticipated that groundwater contamination will continue to exist indefinitely. No groundwater receptors have been identified.

Site Health Assessment

Exposure to site related contaminants in drinking water is not expected because public water is supplied to all commercial and residential locations in the vicinity of the site.

For more Information: E-mail Us

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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: CH - Poughkeepsie MGP Laurel Street
Site Code: 314068
Program: State Superfund Program
Classification: N *
EPA ID Number:

Location

DEC Region: 3
Address: Laurel Street
City: Poughkeepsie Zip: 12601
County: Dutchess
Latitude: 41.70008875
Longitude: -73.93601208
Site Type:
Estimated Size: 0 Acres

Site Owner(s) and Operator(s)

Current Owner Name: CENTRAL HUDSON GAS & ELECTRIC
Current Owner(s) Address: LAUREL STREET
POUGHKEEPSIE,NY, 12601
Current Owner Name: Dutchess Beer Distributors
Current Owner(s) Address: LAUREL STREET
POUGHKEEPSIE,NY, 12601
Current Owner Name: NYS Dept. of Transportation
Current Owner(s) Address: STATE OFFICE BLDG. CAMPUS, BLDG. #5
ALBANY,NY, 12232
Owner(s) during disposal: CENTRAL HUDSON GAS & ELECTRIC
Current On-Site Operator: CENTRAL HUDSON GAS & ELECTRIC
Stated Operator(s) Address: 284 SOUTH AVE.
POUGHKEEPSIE,NY 12601
Current On-Site Operator: Central Hudson Gas & Electric
Stated Operator(s) Address: 284 South Avenue
Poughkeepsie,NY 12601

Site Description

See V00292

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* **Class N Sites:** "DEC offers this information with the caution that the amount of information provided for Class N sites is highly variable, not necessarily based on any DEC investigation, sometimes of unknown origin, and sometimes is many years old. Due to the preliminary nature of this information, significant conclusions or decisions should not be based solely upon this summary."

For more Information: E-mail Us

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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: CH - Bayeaux Street Poughkeepsie MGP
Site Code: 314071
Program: State Superfund Program
Classification: C
EPA ID Number:

Location

DEC Region: 3
Address: Main Street and North Perry Street
City: Poughkeepsie Zip: 12601
County: Dutchess
Latitude: 41.706217571
Longitude: -73.932790146
Site Type:
Estimated Size: 1.2 Acres

Site Owner(s) and Operator(s)

Current Owner Name: ADMIRAL HALSEY SENIOR VILLAGE INCORPORATED
Current Owner(s) Address: MAIN STREET AND NORTH PERRY STREET
POUGHKEEPSIE,NY, 12601

Site Description

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.

Site Environmental Assessment

The 1990 PSA found little evidence of MGP wastes in the subsurface. Additional work conducted in 2006 addressed potential data gaps in the original PSA. This second round of work also failed to detect significant levels of contamination.

Site Health Assessment

No contact with site-related contaminants is expected.

For more Information: E-mail Us

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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: Queen City Lofts
Site Code: C314125
Program: Brownfield Cleanup Program
Classification: C
EPA ID Number:

Location

DEC Region: 3
Address: 178-188 Main Street and 11 South Bridge Street
City: Poughkeepsie Zip: 12601
County: Dutchess
Latitude: 41.704788889
Longitude: -73.932219444
Site Type:
Estimated Size: 1.051 Acres

Institutional And Engineering Controls

Control Type:
Environmental Easement

Control Elements:
Ground Water Use Restriction
Soil Management Plan
Cover System
Landuse Restriction
Building Use Restriction
Monitoring Plan
Site Management Plan
IC/EC Plan

Site Owner(s) and Operator(s)

Current Owner Name: The QCL on Main Limited Partnership

Current Owner(s) Address: 34 Clayton Boulevard
Baldwin Place,NY, 10505

Site Document Repository

Name: Poughkeepsie Public Library District
Address: 93 Market Street
Poughkeepsie,NY 12601

Site Description

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.

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
n-propylbenzene
lead
ethylbenzene

mercury
1,2,4-trimethylbenzene
benzo(a)anthracene
xylene (mixed)

Site Environmental Assessment

Nature and Extent of Contamination: Remediation at the site is complete. 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. Prior to remediation, the primary contaminants of concern were mercury, lead, and benzo(a)anthracene in soil, lead and ethylbenzene in groundwater, and tetrachloroethene in soil vapor.

Site Health Assessment

Measures are in place to control the potential for coming in contact with remaining residual contamination in subsurface soil, groundwater and soil vapor.

For more Information: E-mail Us

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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: CH - Water St. - Poughkeepsie MGP
Site Code: C314070
Program: Brownfield Cleanup Program
Classification: A
EPA ID Number:

Location

DEC Region: 3
Address: North Water Street
City: Poughkeepsie Zip: 12601
County: Dutchess
Latitude: 41.71134286
Longitude: -73.93974473
Site Type:
Estimated Size: 13 Acres

Site Owner(s) and Operator(s)

Current Owner Name: CENTRAL HUDSON GAS & ELECTRIC CORP.
Current Owner(s) Address:
,ZZ,

Site Document Repository

Name: Adriance Memorial Library
Address: 93 Market Street
Poughkeepsie,NY 12601

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 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.

Contaminants of Concern (Including Materials Disposed)

Contaminant Name/Type

coal tar
benzene, toluene, ethylbenzene and xylenes (BTEX)
polycyclic aromatic hydrocarbons (PAHS), total

Site Environmental Assessment

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 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. 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, 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.

Site Health Assessment

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.

For more Information: E-mail Us

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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: Wallace Campus
Site Code: C314134
Program: Brownfield Cleanup Program
Classification: A
EPA ID Number:

Location

DEC Region: 3
Address: 319, 325, 327-329 & 331 Main Street
City: Poughkeepsie Zip: 12601
County: Dutchess
Latitude: 41.703661111
Longitude: -73.925775
Site Type:
Estimated Size: 2.48 Acres

Site Owner(s) and Operator(s)

Current Owner Name: Key Main LLC
Current Owner(s) Address: 80 Washington Street, Suite 400
Poughkeepsie,NY, 12601
Current Owner Name: IIC Properties Inc.
Current Owner(s) Address: 14 Catherine Street
Poughkeepsie,NY, 12601
Current Owner Name: Wallace Campus Manager LLC
Current Owner(s) Address: 48-02 25th Ave, Suite 400
Astoria,NY, 11103

Site Document Repository

Name: Adriance Memorial Library
Address: 93 Market Street
Poughkeepsie,NY 12601

Site Description

Location: The 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. The site is a 2.48-acre commercial property, which is abutted by Mill Street to the north and Main Street to the south. Site Features: The southern portion of 319 Main Street currently contains a two-story building (former restaurant and club), 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. Current Zoning and Land Use: The site tax lots are zoned C-2, central commercial district (residential use is excluded), and portions of the site fall within the Poughkeepsie Innovation District (PID) Historic Core and Urban Village Zones.The site consists of a several vacant and active commercial and light manufacturing uses, located on four tax lots. Past Use of the Site: The site, first developed prior to 1887, has primarily been a commercial site with some limited residential use. The most significant commercial uses are generally associated with 331 Main Street, including automotive repair, machining operations, furniture finishing, laundry activities, and use of gasoline USTs. A limited Phase II Subsurface Investigation performed in 2013 for the northeastern portion of 331 Main Street did not document any storage tanks or contaminated soil, but elevated levels of lead were found in groundwater at 331 Main Street. The buildings at 319 Main Street and 325 Main Street are currently vacant; 327-329 Main Street building is currently in use as an office building and 331 Main Street is in use as an office building and for light manufacturing. Site Geology and Hydrogeology: State geological data indicate that local soils are likely to be derived from glacial till deposits, which overlie metamorphic bedrock. Soils observed during subsurface investigations generally consisted of variable-texture fill (unsorted sand containing debris, primarily brick and concrete, with some coal and ash) to approximately 1 to 7 feet bgs, underlain by sands with gravel to depths of 15 feet bgs, with two borings showing layers of clayey-silt below 12 feet bgs. Soils generally below 8 feet bgs appeared to be native, undisturbed material. Bedrock was not encountered. Groundwater was documented in wells at approximately 15 to 17 feet below the casings and direction of flow was determined to be easterly.

Contaminants of Concern (Including Materials Disposed)

Contaminant Name/Type
indeno(1,2,3-cd)pyrene
benzo(a)pyrene
benzo(k)fluoranthene
copper
nickel

perfluorooctane sulfonic acid
zinc
chrysene
manganese
methylene chloride
lead
mercury
sodium
benzo(a)anthracene
perfluorooctanoic acid
acetone
benzo(b)fluoranthene

Site Environmental Assessment

Soil and groundwater samples were analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), pesticides, metals, cyanide, and the emerging contaminants per-and poly fluoroalkyl substances (PFAS) and 1,4-dioxane. Soil vapor samples were analyzed for VOCs. Based on investigations conducted to date, the primary contaminants of concern include SVOCs and metals in soil and the emerging contaminants PFAS in groundwater. Soil - A total of 29 soil samples were collected during the remedial investigation from 19 borings extending 20 feet below ground surface (bgs). Bedrock was encountered in a 2020 geotechnical report from 41 to 62 feet bgs. Several constituents were identified at concentrations that exceed their Unrestricted Soil Cleanup Objectives (USCOs). The following is a list of those compounds and the maximum exceedance: Acetone 0.065 parts per million (ppm) vs USCO of 0.05 ppm, methylene chloride 0.051 vs USCO of 0.05 ppm, benzo(a)anthracene 5.96 ppm vs USCO of 1 ppm, benzo(a)pyrene 5.15 ppm vs USCO of 1 ppm, benzo(k)fluoranthene 3.62 ppm vs USCO of 0.8 ppm, benzo(b)fluoranthene 3.24 ppm vs USCO of 1 ppm, chrysene 6.67 ppm vs USCO of 1 ppm, dibenzo(a,h)anthracene 0.964 ppm vs USCO of 0.33 ppm, indeno(1,2,3-cd)pyrene 2.72 ppm vs USCO of 0.5 ppm, copper 330 ppm vs USCO of 50 ppm, lead 1530 ppm vs USCO of 63 ppm, manganese 1670 ppm vs USCO of 1600, mercury 3.33 ppm vs USCO of 0.18 ppm, nickel 33.8 ppm vs USCO of 30 ppm, zinc 960 ppm vs USCO of 109 ppm. Pesticides, cyanide, and PCBs and 1,4-dioxane were non-detect in all soil samples. PFOA, PFOS, and other PFAS compounds were detected in on-site soils but were all below their unrestricted use guidance values. Soil contamination is not expected to migrate off-site. Groundwater - A total of 3 groundwater wells were installed in overburden groundwater and analyzed for VOCs, SVOCs, PCBs, pesticides, metals and cyanide as well as the emerging contaminants PFAS and 1,4-dioxane. The metals manganese and sodium were detected in at least one groundwater sample in exceedance of groundwater standards. VOCs, SVOCs, PCBs, pesticides, cyanide, and 1,4-dioxane were either non-detect of below standards. The concentrations of sodium and manganese appear to be background levels and are typically naturally occurring or related to road salt application. For PFAS, perfluorooctanoic acid (PFOA) and perfluorooctanesulfonic

acid (PFOS) were reported in the most upgradient monitoring well at concentrations of 30.2 and 10.8 parts per trillion (ppt), respectively, exceeding the 10 ppt screening levels for groundwater for each. Perfluorobutanesulfonic acid (PFBS) was detected at 1,600 ppt exceeding the 100 ppt screening level. Groundwater contamination has the potential of migrating off-site. Soil Vapor - A total of 6 soil vapor and 4 co-located indoor air samples were collected from locations throughout the site. Low levels of chlorinated solvents 1,1,1-trichloroethane, tetrachloroethene, carbon tetrachloride, and vinyl chloride were detected in on-site soil vapor and/or indoor air. Comparisons to the 2017 NYSDOH Soil Vapor/Indoor Air Matrix indicate no further action in all cases. Soil vapor contamination may migrate off-site.

Site Health Assessment

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.

For more Information: E-mail Us

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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: Hudson River PCB Sediments
Site Code: 546031
Program: State Superfund Program
Classification: 02
EPA ID Number:

Location

DEC Region: 5
Address: Hudson River, Hudson Falls-NYC Battery
City: Zip: 12180
County: Saratoga
Latitude: 43.286475666
Longitude: -73.595363441
Site Type:
Estimated Size: 0 Acres

Site Owner(s) and Operator(s)

Current Owner Name: New York State
Current Owner(s) Address:
,ZZ,
Current Owner Name: STATE OF NEW YORK
Current Owner(s) Address:
,ZZ,
Owner(s) during disposal: STATE OF NEW YORK
Current On-Site Operator: NYS Department of Transportation
Stated Operator(s) Address: State Campus - Building 5
Albany,NY 12233

Site Document Repository

Name: US Epa
Address: 187 Wolf road
colonie,NY

Hazardous Waste Disposal Period

From: 1946 **To:** present

Site Description

Site Location: This National Priorities List site includes the nearly 200-mile stretch of the Hudson River that extends from Hudson Falls in Washington County to the Battery in New York City. The river is part of the Champlain Canal between Fort Edward and Waterford. EPA is the lead agency for the investigation and cleanup of the site. Site Features: The site includes the main stem of the Hudson River, as well as the associated flood plains, river banks, riverene fringing wetlands, and backwater areas. Current zoning / uses: The river is currently used for recreation, transportation, and as a source of water for drinking and other purposes. The river floodplain areas include all types of land uses, from passive / recreational to residential to commercial / industrial. Historical uses: The General Electric Company (GE) discharged PCBs into the river from two capacitor manufacturing plants located in Hudson Falls and Fort Edward starting sometime in 1946. Previous investigations identified 40 areas or 'hot spots' in the upper Hudson that had sediments contaminated with greater than 50 ppm of PCBs. Also included in the definition of this site are five Remnant Deposits or river sediment areas that were exposed when the level of the river was lowered when the Fort Edward Dam was removed in 1973. EPA issued a Record of Decision (ROD) for this National Priorities List site on September 25, 1984 which included: in-place containment of the Remnant Deposits; evaluation of downstream domestic water quality at Waterford, New York; and interim “No Action” as to the PCB-contaminated river sediment. The 1984 ROD indicated that both the No Action decision for the river sediments and the containment remedy for the Remnant Deposits might be reexamined by EPA in the future. The containment remedy for the Remnant Deposits was performed by GE under a 1990 Consent Decree with EPA. In addition, in 1990, NYSDEC completed the evaluation of downstream domestic water quality at Waterford, New York, which concluded that PCB concentrations were below analytical detection limits after treatment and met standards applicable to public water supplies. In December 1989, EPA announced its decision to initiate a detailed Reassessment Remedial Investigation/Feasibility Study (RI/FS) of the September 1984 decision concerning the PCB contaminated Hudson River sediments. The Reassessment culminated with EPA’s issuance of a second ROD for the site in February 2002 which included the dredging of an estimated 2.65 million cubic yards of PCB contaminated sediments from the Upper Hudson River (between Fort Edward and Troy), which was estimated in the ROD to contain about 66,300 kilograms of total PCBs (approximately 65% of the total PCB mass estimated to be present within the Upper Hudson River). The ROD also identified further evaluation of PCB contamination in the flood plains concurrent with the design phase of the project. EPA issued a series of Orders to GE for performance of the engineering design for the project. Phase 1 dredging commenced in May 2009, and was completed in October 2009. After completion of Phase 1, EPA reviewed the environmental monitoring and operational data to determine the changes to the project standards and to project design specifications for Phase 2. The changes to the project for Phase 2 were provided to GE in December

2010. GE, in accordance with the Consent Decree for the site, opted to implement Phase 2 of the remedy on 12/31/10. Construction work for Phase 2 of the remedial project started in 2011, and was completed in 2016. Dredging was completed in fall 2015; habitat reconstruction was completed in 2016. Facility decommissioning was performed in 2016. Operable Units: The site was divided into five operable units. An operable unit represents a portion of a remedial program for a site that for technical or administrative reasons can be addressed separately in investigation, eliminate or mitigate release, threat of release or exposure pathway resulting from the site contamination. Operable Unit 1 (OU1) consists of the capping of the remnant deposits. OU 2 consists of the dredging of the Upper Hudson River. OU 3 consists of the Upper Hudson River Floodplains Investigation (EPA tracks as OU4). OU 5 consists of the Lower Hudson River Sediments (from the Federal Dam in Troy to the Battery in New York City). For more information on the Hudson River Fish advisory, copy and paste this link into a web browser:
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Contaminants of Concern (Including Materials Disposed)

Contaminant Name/Type
polychlorinated biphenyls (PCB)
PCB aroclor 1254
PCB aroclor 1016
cadmium
lead
PCB aroclor 1242

Site Environmental Assessment

Nature and extent of contamination: Contaminants: The primary constituent of concern is PCBs, discharged from two GE capacitor plants in Hudson Falls and Fort Edward. The upstream extent of contamination is the portion of the river immediately above the Bakers Falls Dam at the GE Hudson Falls plant site. The downstream extent of contamination is the Atlantic Ocean. The commercial mixtures of PCBs discharged from the two GE plant sites changed over time; initially aroclor 1254, changing to aroclor 1242 and then to aroclor 1016. Contaminant Concentrations: PCBs have been found in excess of standards, criteria and guidance concentrations (SCGs) in sediments, surface water, biota, air, and soils at the Hudson River PCBs site. The primary sources at the plant sites have been almost completely abated through remedial work at the plant sites; as a result, the primary source of PCB to the surface water and biota of the river are the remaining contaminated sediments in the river south of the plant sites. Prior to remediation of the Upper Hudson River from 2009 to 2016, PCB concentrations in sediment range from non-detect to greater than one percent PCB (> 10,000 parts per million). In surface water typically concentrations range from 2 nanograms per liter (ng/l or parts per trillion) to 100 ng/l, except at times of high flow when scour-driven remobilization of

contaminated sediments can cause much higher concentrations in excess of 1 microgram per liter (1 ug/l or part per billion). Floodplains - Investigations are underway to determine the extent of floodplain impacts. To date, PCB concentrations in excess of 500 milligrams per kilogram (mg/kg or part per million) have been found in limited areas. Those areas have been addressed over the past 15 years with various interim remedies (soil covers). The nature and extent of floodplain soil contamination has not yet been established. Remedial investigations are currently underway. Lower Hudson River - The Lower Hudson River portion of the NPL site (from the Federal Dam in Troy to the Battery in New York City) has not be fully investigated to date. Annual fish monitoring for PCBs occurs in certain locations in the lower Hudson. Significant threat: PCB contamination in the Hudson River sediments continue to pose a significant threat to human health and/or the environment. Concentrations in PCBs in biota directly attributable to the waste disposal at the site have led the Department of Health to recommend that human consumption of biota be limited over a substantial portion of the Hudson River between Hudson Falls and the Battery in New York City. In the upper Hudson, the fishery is catch and release only, and the NYSDOH advisory is to eat none. To see the fish consumption advisories, go to: https://www.health.ny.gov/publications/2794.pdf and https://www.health.ny.gov/environmental/outdoors/fish/hudson_river/advisory_outreach_project/ The disposal of PCB into the Hudson River has also led to significant environmental damage as defined in 6 NYCRR Part 375. This site has been included in the Federal National Priorities List (NPL).

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Consumption of fish is the major potential route of human exposure to PCBs from this site. Because of site impacts, most fish from the Hudson River downstream of Hudson Falls have elevated PCB levels. Fishing is restricted to catch and release, with a “eat none” advisory for fish consumption, from Hudson Falls to Troy. In addition, there are advisories ("eat none" or "eat no more than 1 meal per month") on consumption of several fish species caught from the Hudson River below the Troy Dam to New York Harbor. People may come into contact with contaminants present in the shallow river sediments while entering or exiting the river during recreational activities, and may also come into contact with contaminants present in floodplain soils. This direct contact route of exposure is present primarily in the upper Hudson between Hudson Falls and Troy.GE under USEPA and State oversight has taken actions at several properties along the Hudson River to address PCB contaminated floodplain soils between Hudson Falls and Troy. These actions vary from deploying signs to installing various covers and are intended to reduce exposures to PCBs in floodplain soils until a permanent remedy is developed. Additionally, a remedial investigation to address floodplain soils in the Upper Hudson River Floodplain under USEPA and State oversight is now underway.

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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 PCB Sediments
Site Code: 546031
Program: State Superfund Program
Classification: 02
EPA ID Number:

Location

DEC Region: 5
Address: Hudson River, Hudson Falls-NYC Battery
City: Zip: 12180
County: Saratoga
Latitude: 43.286475666
Longitude: -73.595363441
Site Type:
Estimated Size: 0 Acres

Site Owner(s) and Operator(s)

Current Owner Name: New York State
Current Owner(s) Address:
,ZZ,
Current Owner Name: STATE OF NEW YORK
Current Owner(s) Address:
,ZZ,
Owner(s) during disposal: STATE OF NEW YORK
Current On-Site Operator: NYS Department of Transportation
Stated Operator(s) Address: State Campus - Building 5
Albany,NY 12233

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Refine This Search

Full Environmental Assessment Form
Part 2 - Identification of Potential Project Impacts

Part 2 is to be completed by the lead agency. Part 2 is designed to help the lead agency inventory all potential resources that could be affected by a proposed project or action. We recognize that the lead agency's reviewer(s) will not necessarily be environmental professionals. So, the questions are designed to walk a reviewer through the assessment process by providing a series of questions that can be answered using the information found in Part 1. To further assist the lead agency in completing Part 2, the form identifies the most relevant questions in Part 1 that will provide the information needed to answer the Part 2 question. When Part 2 is completed, the lead agency will have identified the relevant environmental areas that may be impacted by the proposed activity.

If the lead agency is a state agency **and** the action is in any Coastal Area, complete the Coastal Assessment Form before proceeding with this assessment.

Tips for completing Part 2:

- Review all of the information provided in Part 1.
- Review any application, maps, supporting materials and the Full EAF Workbook.
- Answer each of the 18 questions in Part 2.
- If you answer "**Yes"** to a numbered question, please complete all the questions that follow in that section.
- If you answer "**No"** to a numbered question, move on to the next numbered question.
- Check appropriate column to indicate the anticipated size of the impact.
- Proposed projects that would exceed a numeric threshold contained in a question should result in the reviewing agency checking the box "Moderate to large impact may occur."
- The reviewer is not expected to be an expert in environmental analysis.
- If you are not sure or undecided about the size of an impact, it may help to review the sub-questions for the general question and consult the workbook.
- When answering a question consider all components of the proposed activity, that is, the "whole action".
- Consider the possibility for long-term and cumulative impacts as well as direct impacts.
- Answer the question in a reasonable manner considering the scale and context of the project.

1. Impact on Land
Proposed action may involve construction on, or physical alteration of, the land surface of the proposed site. (See Part 1. D.1)
If "Yes", answer questions a - j. If "No", move on to Section 2.

☐ NO ☑ YES

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may involve construction on land where depth to water table is less than 3 feet.	E2d	☑	☐
b. The proposed action may involve construction on slopes of 15% or greater.	E2f	☑	☐
c. The proposed action may involve construction on land where bedrock is exposed, or generally within 5 feet of existing ground surface.	E2a	☑	☐
d. The proposed action may involve the excavation and removal of more than 1,000 tons of natural material.	D2a	☐	☑
e. The proposed action may involve construction that continues for more than one year or in multiple phases.	D1e	☑	☐
f. The proposed action may result in increased erosion, whether from physical disturbance or vegetation removal (including from treatment by herbicides).	D2e, D2q	☑	☐
g. The proposed action is, or may be, located within a Coastal Erosion hazard area.	B1i	☑	☐
h. Other impacts: _____ _____		☑	☐

2. Impact on Geological Features

The proposed action may result in the modification or destruction of, or inhibit access to, any unique or unusual land forms on the site (e.g., cliffs, dunes, minerals, fossils, caves). (See Part 1. E.2.g) ☑ NO ☐ YES

If "Yes", answer questions a - c. If "No", move on to Section 3.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. Identify the specific land form(s) attached: _____ _____	E2g	□	□
b. The proposed action may affect or is adjacent to a geological feature listed as a registered National Natural Landmark. Specific feature: _____	E3c	□	□
c. Other impacts: _____ _____		□	□

3. Impacts on Surface Water

The proposed action may affect one or more wetlands or other surface water bodies (e.g., streams, rivers, ponds or lakes). (See Part 1. D.2, E.2.h) ☑ NO ☐ YES

If "Yes", answer questions a - l. If "No", move on to Section 4.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may create a new water body.	D2b, D1h	□	□
b. The proposed action may result in an increase or decrease of over 10% or more than a 10 acre increase or decrease in the surface area of any body of water.	D2b	□	□
c. The proposed action may involve dredging more than 100 cubic yards of material from a wetland or water body.	D2a	□	□
d. 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.	E2h	□	□
e. The proposed action may create turbidity in a waterbody, either from upland erosion, runoff or by disturbing bottom sediments.	D2a, D2h	□	□
f. The proposed action may include construction of one or more intake(s) for withdrawal of water from surface water.	D2c	□	□
g. The proposed action may include construction of one or more outfall(s) for discharge of wastewater to surface water(s).	D2d	□	□
h. The proposed action may cause soil erosion, or otherwise create a source of stormwater discharge that may lead to siltation or other degradation of receiving water bodies.	D2e	□	□
i. The proposed action may affect the water quality of any water bodies within or downstream of the site of the proposed action.	E2h	□	□
j. The proposed action may involve the application of pesticides or herbicides in or around any water body.	D2q, E2h	□	□
k. The proposed action may require the construction of new, or expansion of existing, wastewater treatment facilities.	D1a, D2d	□	□

l. Other impacts: _____ _____		□	□

4. Impact on groundwater

The proposed action may result in new or additional use of ground water, or may have the potential to introduce contaminants to ground water or an aquifer. (See Part 1. D.2.a, D.2.c, D.2.d, D.2.p, D.2.q, D.2.t) ☑ NO ☐ YES

If "Yes", answer questions a - h. If "No", move on to Section 5.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may require new water supply wells, or create additional demand on supplies from existing water supply wells.	D2c	□	□
b. Water supply demand from the proposed action may exceed safe and sustainable withdrawal capacity rate of the local supply or aquifer. Cite Source: _____	D2c	□	□
c. The proposed action may allow or result in residential uses in areas without water and sewer services.	D1a, D2c	□	□
d. The proposed action may include or require wastewater discharged to groundwater.	D2d, E2l	□	□
e. The proposed action may result in the construction of water supply wells in locations where groundwater is, or is suspected to be, contaminated.	D2c, E1f, E1g, E1h	□	□
f. The proposed action may require the bulk storage of petroleum or chemical products over ground water or an aquifer.	D2p, E2l	□	□
g. The proposed action may involve the commercial application of pesticides within 100 feet of potable drinking water or irrigation sources.	E2h, D2q, E2l, D2c	□	□
h. Other impacts: _____ _____		□	□

5. Impact on Flooding

The proposed action may result in development on lands subject to flooding. (See Part 1. E.2) ☑ NO ☐ YES

If "Yes", answer questions a - g. If "No", move on to Section 6.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may result in development in a designated floodway.	E2i	□	□
b. The proposed action may result in development within a 100 year floodplain.	E2j	□	□
c. The proposed action may result in development within a 500 year floodplain.	E2k	□	□
d. The proposed action may result in, or require, modification of existing drainage patterns.	D2b, D2e	□	□
e. The proposed action may change flood water flows that contribute to flooding.	D2b, E2i, E2j, E2k	□	□
f. If there is a dam located on the site of the proposed action, is the dam in need of repair, or upgrade?	E1e	□	□

g. Other impacts: _____ _____		☐	☐

6. Impacts on Air

The proposed action may include a state regulated air emission source. ☑ NO ☐ YES
(See Part 1. D.2.f., D,2,h, D.2.g)
If "Yes", answer questions a - f. If "No", move on to Section 7.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. If the proposed action requires federal or state air emission permits, the action may also emit one or more greenhouse gases at or above the following levels:			
i. More than 1000 tons/year of carbon dioxide (CO_2)	D2g	☐	☐
ii. More than 3.5 tons/year of nitrous oxide (N_2O)	D2g	☐	☐
iii. More than 1000 tons/year of carbon equivalent of perfluorocarbons (PFCs)	D2g	☐	☐
iv. More than .045 tons/year of sulfur hexafluoride (SF_6)	D2g	☐	☐
v. More than 1000 tons/year of carbon dioxide equivalent of hydrochloroflourocarbons (HFCs) emissions	D2g	☐	☐
vi. 43 tons/year or more of methane	D2h	☐	☐
b. The proposed action may generate 10 tons/year or more of any one designated hazardous air pollutant, or 25 tons/year or more of any combination of such hazardous air pollutants.	D2g	☐	☐
c. The proposed action may require a state air registration, or may produce an emissions rate of total contaminants that may exceed 5 lbs. per hour, or may include a heat source capable of producing more than 10 million BTU's per hour.	D2f, D2g	☐	☐
d. The proposed action may reach 50% of any of the thresholds in "a" through "c", above.	D2g	☐	☐
e. The proposed action may result in the combustion or thermal treatment of more than 1 ton of refuse per hour.	D2s	☐	☐
f. Other impacts: _____ _____		☐	☐

7. Impact on Plants and Animals

The proposed action may result in a loss of flora or fauna. (See Part 1. E.2. m.-q.) ☑ NO ☐ YES
If "Yes", answer questions a - j. If "No", move on to Section 8.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may cause reduction in population or loss of individuals of any threatened or endangered species, as listed by New York State or the Federal government, that use the site, or are found on, over, or near the site.	E2o	☐	☐
b. 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.	E2o	☐	☐
c. The proposed action may cause reduction in population, or loss of individuals, of any species of special concern or conservation need, as listed by New York State or the Federal government, that use the site, or are found on, over, or near the site.	E2p	☐	☐
d. The proposed action may result in a reduction or degradation of any habitat used by any species of special concern and conservation need, as listed by New York State or the Federal government.	E2p	☐	☐

e. The proposed action may diminish the capacity of a registered National Natural Landmark to support the biological community it was established to protect.	E3c	□	□
f. The proposed action may result in the removal of, or ground disturbance in, any portion of a designated significant natural community. Source: _____	E2n	□	□
g. 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.	E2m	□	□
h. The proposed action requires the conversion of more than 10 acres of forest, grassland or any other regionally or locally important habitat. Habitat type & information source: _____ _____	E1b	□	□
i. Proposed action (commercial, industrial or recreational projects, only) involves use of herbicides or pesticides.	D2q	□	□
j. Other impacts: _____ _____		□	□

8. Impact on Agricultural Resources

The proposed action may impact agricultural resources. (See Part 1. E.3.a. and b.) ☑ NO ☐ YES

If "Yes", answer questions a - h. If "No", move on to Section 9.

	Relevant Part I Question(s)	**No, or small impact may occur**	**Moderate to large impact may occur**
a. The proposed action may impact soil classified within soil group 1 through 4 of the NYS Land Classification System.	E2c, E3b	□	□
b. The proposed action may sever, cross or otherwise limit access to agricultural land (includes cropland, hayfields, pasture, vineyard, orchard, etc).	E1a, Elb	□	□
c. The proposed action may result in the excavation or compaction of the soil profile of active agricultural land.	E3b	□	□
d. The proposed action may irreversibly convert agricultural land to non-agricultural uses, either more than 2.5 acres if located in an Agricultural District, or more than 10 acres if not within an Agricultural District.	E1b, E3a	□	□
e. The proposed action may disrupt or prevent installation of an agricultural land management system.	El a, E1b	□	□
f. The proposed action may result, directly or indirectly, in increased development potential or pressure on farmland.	C2c, C3, D2c, D2d	□	□
g. The proposed project is not consistent with the adopted municipal Farmland Protection Plan.	C2c	□	□
h. Other impacts: _____		□	□

9. Impact on Aesthetic Resources

The land use of the proposed action are obviously different from, or are in sharp contrast to, current land use patterns between the proposed project and a scenic or aesthetic resource. (Part 1. E.1.a, E.1.b, E.3.h.)

☑ NO ☐ YES

If "Yes", answer questions a - g. If "No", go to Section 10.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. Proposed action may be visible from any officially designated federal, state, or local scenic or aesthetic resource.	E3h	☐	☐
b. The proposed action may result in the obstruction, elimination or significant screening of one or more officially designated scenic views.	E3h, C2b	☐	☐
c. The proposed action may be visible from publicly accessible vantage points: i. Seasonally (e.g., screened by summer foliage, but visible during other seasons) ii. Year round	E3h	 ☐ ☐	 ☐ ☐
d. The situation or activity in which viewers are engaged while viewing the proposed action is: i. Routine travel by residents, including travel to and from work ii. Recreational or tourism based activities	E3h E2q, E1c	 ☐ ☐	 ☐ ☐
e. The proposed action may cause a diminishment of the public enjoyment and appreciation of the designated aesthetic resource.	E3h	☐	☐
f. There are similar projects visible within the following distance of the proposed project: 0-1/2 mile ½ -3 mile 3-5 mile 5+ mile	D1a, E1a, D1f, D1g	☐	☐
g. Other impacts: _____ _____		☐	☐

10. Impact on Historic and Archeological Resources

The proposed action may occur in or adjacent to a historic or archaeological resource. (Part 1. E.3.e, f. and g.)

☐ NO ☑ YES

If "Yes", answer questions a - e. If "No", go to Section 11.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may occur wholly or partially within, or substantially contiguous to, any buildings, archaeological site or district which is listed on or has been nominated by the NYS Board of Historic Preservation for inclusion on the State or National Register of Historic Places.	E3e	☑	☐
b. The proposed action may occur wholly or partially within, or substantially contiguous to, an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory.	E3f	☑	☐
c. The proposed action may occur wholly or partially within, or substantially contiguous to, an archaeological site not included on the NY SHPO inventory. Source: _____	E3g	☑	☐

d. Other impacts: _____ _____		☑	☐
e. If any of the above (a-d) are answered "Moderate to large impact may occur", continue with the following questions to help support conclusions in Part 3:			
i. The proposed action may result in the destruction or alteration of all or part of the site or property.	E3e, E3g, E3f	☐	☐
ii. The proposed action may result in the alteration of the property's setting or integrity.	E3e, E3f, E3g, E1a, E1b	☐	☐
iii. The proposed action may result in the introduction of visual elements which are out of character with the site or property, or may alter its setting.	E3e, E3f, E3g, E3h, C2, C3	☐	☐

11. Impact on Open Space and Recreation

The proposed action may result in a loss of recreational opportunities or a reduction of an open space resource as designated in any adopted municipal open space plan.
(See Part 1. C.2.c, E.1.c., E.2.q.)
If "Yes", answer questions a - e. If "No", go to Section 12.

☑ NO ☐ YES

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may result in an impairment of natural functions, or "ecosystem services", provided by an undeveloped area, including but not limited to stormwater storage, nutrient cycling, wildlife habitat.	D2e, E1b E2h, E2m, E2o, E2n, E2p	□	□
b. The proposed action may result in the loss of a current or future recreational resource.	C2a, E1c, C2c, E2q	□	□
c. The proposed action may eliminate open space or recreational resource in an area with few such resources.	C2a, C2c E1c, E2q	□	□
d. The proposed action may result in loss of an area now used informally by the community as an open space resource.	C2c, E1c	□	□
e. Other impacts: _____ _____		□	□

12. Impact on Critical Environmental Areas

The proposed action may be located within or adjacent to a critical environmental area (CEA). (See Part 1. E.3.d)
If "Yes", answer questions a - c. If "No", go to Section 13.

☑ NO ☐ YES

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may result in a reduction in the quantity of the resource or characteristic which was the basis for designation of the CEA.	E3d	□	□
b. The proposed action may result in a reduction in the quality of the resource or characteristic which was the basis for designation of the CEA.	E3d	□	□
c. Other impacts: _____ _____		□	□

13. Impact on Transportation

The proposed action may result in a change to existing transportation systems. ☐ NO ☑ YES
(See Part 1. D.2.j)
If "Yes", answer questions a - f. If "No", go to Section 14.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. Projected traffic increase may exceed capacity of existing road network.	D2j	☑	☐
b. The proposed action may result in the construction of paved parking area for 500 or more vehicles.	D2j	☑	☐
c. The proposed action will degrade existing transit access.	D2j	☑	☐
d. The proposed action will degrade existing pedestrian or bicycle accommodations.	D2j	☑	☐
e. The proposed action may alter the present pattern of movement of people or goods.	D2j	☑	☐
f. Other impacts: The project will result in an increased demand for off-street parking.		☑	☐

14. Impact on Energy

The proposed action may cause an increase in the use of any form of energy. ☐ NO ☑ YES
(See Part 1. D.2.k)
If "Yes", answer questions a - e. If "No", go to Section 15.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action will require a new, or an upgrade to an existing, substation.	D2k	☑	☐
b. The proposed action will require the creation or extension of an energy transmission or supply system to serve more than 50 single or two-family residences or to serve a commercial or industrial use.	D1f, D1q, D2k	☑	☐
c. The proposed action may utilize more than 2,500 MWhrs per year of electricity.	D2k	☑	☐
d. The proposed action may involve heating and/or cooling of more than 100,000 square feet of building area when completed.	D1g	☑	☐
e. Other Impacts:		☐	☐

15. Impact on Noise, Odor, and Light

The proposed action may result in an increase in noise, odors, or outdoor lighting. ☑ NO ☐ YES
(See Part 1. D.2.m., n., and o.)
If "Yes", answer questions a - f. If "No", go to Section 16.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may produce sound above noise levels established by local regulation.	D2m	☐	☐
b. The proposed action may result in blasting within 1,500 feet of any residence, hospital, school, licensed day care center, or nursing home.	D2m, E1d	☐	☐
c. The proposed action may result in routine odors for more than one hour per day.	D2o	☐	☐

d. The proposed action may result in light shining onto adjoining properties.	D2n	☐	☐
e. The proposed action may result in lighting creating sky-glow brighter than existing area conditions.	D2n, E1a	☐	☐
f. Other impacts: _____ _____		☐	☐

16. Impact on Human Health

The proposed action may have an impact on human health from exposure to new or existing sources of contaminants. (See Part 1.D.2.q., E.1. d. f. g. and h.) ☑ NO ☐ YES

If "Yes", answer questions a - m. If "No", go to Section 17.

	Relevant Part I Question(s)	No,or small impact may cccur	Moderate to large impact may occur
a. The proposed action is located within 1500 feet of a school, hospital, licensed day care center, group home, nursing home or retirement community.	E1d	☐	☐
b. The site of the proposed action is currently undergoing remediation.	E1g, E1h	☐	☐
c. There is a completed emergency spill remediation, or a completed environmental site remediation on, or adjacent to, the site of the proposed action.	E1g, E1h	☐	☐
d. The site of the action is subject to an institutional control limiting the use of the property (e.g., easement or deed restriction).	E1g, E1h	☐	☐
e. The proposed action may affect institutional control measures that were put in place to ensure that the site remains protective of the environment and human health.	E1g, E1h	☐	☐
f. The proposed action has adequate control measures in place to ensure that future generation, treatment and/or disposal of hazardous wastes will be protective of the environment and human health.	D2t	☐	☐
g. The proposed action involves construction or modification of a solid waste management facility.	D2q, E1f	☐	☐
h. The proposed action may result in the unearthing of solid or hazardous waste.	D2q, E1f	☐	☐
i. The proposed action may result in an increase in the rate of disposal, or processing, of solid waste.	D2r, D2s	☐	☐
j. The proposed action may result in excavation or other disturbance within 2000 feet of a site used for the disposal of solid or hazardous waste.	E1f, E1g E1h	☐	☐
k. The proposed action may result in the migration of explosive gases from a landfill site to adjacent off site structures.	E1f, E1g	☐	☐
l. The proposed action may result in the release of contaminated leachate from the project site.	D2s, E1f, D2r	☐	☐
m. Other impacts: _____ _____			

17. Consistency with Community Plans

The proposed action is not consistent with adopted land use plans. ☑ NO ☐ YES

(See Part 1. C.1, C.2. and C.3.)

If "Yes", answer questions a - h. If "No", go to Section 18.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action's land use components may be different from, or in sharp contrast to, current surrounding land use pattern(s).	C2, C3, D1a E1a, E1b	☐	☐
b. The proposed action will cause the permanent population of the city, town or village in which the project is located to grow by more than 5%.	C2	☐	☐
c. The proposed action is inconsistent with local land use plans or zoning regulations.	C2, C2, C3	☐	☐
d. The proposed action is inconsistent with any County plans, or other regional land use plans.	C2, C2	☐	☐
e. The proposed action may cause a change in the density of development that is not supported by existing infrastructure or is distant from existing infrastructure.	C3, D1c, D1d, D1f, D1d, Elb	☐	☐
f. The proposed action is located in an area characterized by low density development that will require new or expanded public infrastructure.	C4, D2c, D2d D2j	☐	☐
g. The proposed action may induce secondary development impacts (e.g., residential or commercial development not included in the proposed action)	C2a	☐	☐
h. Other: _____ _____		☐	☐

18. Consistency with Community Character

The proposed project is inconsistent with the existing community character. ☑ NO ☐ YES

(See Part 1. C.2, C.3, D.2, E.3)

If "Yes", answer questions a - g. If "No", proceed to Part 3.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may replace or eliminate existing facilities, structures, or areas of historic importance to the community.	E3e, E3f, E3g	☐	☐
b. The proposed action may create a demand for additional community services (e.g. schools, police and fire)	C4	☐	☐
c. The proposed action may displace affordable or low-income housing in an area where there is a shortage of such housing.	C2, C3, D1f D1g, E1a	☐	☐
d. The proposed action may interfere with the use or enjoyment of officially recognized or designated public resources.	C2, E3	☐	☐
e. The proposed action is inconsistent with the predominant architectural scale and character.	C2, C3	☐	☐
f. Proposed action is inconsistent with the character of the existing natural landscape.	C2, C3 E1a, E1b E2g, E2h	☐	☐
g. Other impacts: _____ _____		☐	☐

PRINT FULL FORM

Admiral Halsey II Project
EAF Part 3
Identification and Evaluation of Potential Project Impacts
Draft 8/9/2022

The EAF Workbook instructs that the EAF Part 3 provides the reasons in support of the determination of significance. The lead agency must complete Part 3 for every question in Part 2 where the impact has been identified as potentially moderate to large or where there is a need to explain why a particular element of the proposed action will not, or may, result in a significant adverse environmental impact.

1. ***Impact on Land***
Proposed action may involve construction on, or physical alteration of the land surface of the proposed site.

Part 2 FEAF 1.d. The proposed action may involve the excavation and removal of more than 1,000 tons of natural material.

The proposed grading will require removal of approximately 1,700-1,800 tons of soil from the project area. Based on the site design and existing constraints on the neighboring properties, the site grading has been proposed to provide ADA consistent grades connecting the existing site as well as the proposed new building and North Perry Street. The natural grade of the site slopes up from North Perry to the northeast where existing retaining walls are located along the property lines, requiring removal of approximately 1,700-1,800 tons of soil.

The EAF Part 1 clarifies that "existing fill shall be removed from the project site and potentially usable fill should be stockpiled and covered with tarps or plastic sheeting for protection from excessive moisture. If any soft or otherwise unsuitable soils are noted, the unsuitable material shall be removed and replaced with new structural fill." The existing soil is to be treated as non-hazardous waste, historic urban fill, according to the Phase II Environmental report provided by Hillman Consulting, LLC. If hazardous material should be encountered during soil removal it shall be treated and disposed of in compliance with SMMP, Federal and State regulations. Notes will be added to the grading plans associated with the steps as outlined in the SMMP.

The impact associated with the soil removal will be temporary. It is estimated that the trucking of the material will occur of the course of a three-week period to achieve site grades and will follow the proposed construction hours of 6:30 AM through 9 PM.

Part 2 FEAF 1.e. The proposed action may involve construction that continues for more than one year or in multiple phases.

Construction is expected to last 24 months. This will result in ongoing construction related impacts and disturbance to the neighborhood that are temporary in nature. Such impacts are likely to include increased traffic due to construction and construction related noise, dust and odor impacts. Depth to bedrock is in excess of 8-18 feet and therefore blasting is unlikely to be required.

The Project Sponsor will be required to employ Best Practices to limit construction impacts. Such practices shall include:

1) Designation of routes for construction trucks to access and stage at the site in consultation with the City Engineer. This includes trucks removing contaminated soil.

2) Preparation of a dust suppression plan to be implemented during dry periods or other times when blowing dust occurs.

3) Implementation of the Stormwater Pollution and Prevention Plan's (SWPPP's) erosion and sediment control measures including temporary seeding, sediment traps, silt fences, stabilized construction entrances, silt sacks, and other methods described in the NYSDEC Standards and Specifications for Erosion and Sediment Control.

4) All construction vehicles and equipment will be well maintained and operated in an efficient manner. Construction equipment will be required to be equipped with noise attenuation devices and mufflers. In particular, the mufflers on all construction equipment will be fully functional and well maintained by the construction contractor.

5) Construction will be limited to the hours of 6:30 am to 9:00 pm, Monday through Friday, per City Code.

7. Impact on Plants and Animals
The proposed action may result in a loss of flora or fauna.

The DEC Environmental Resource Mapper identifies the proposed project site as containing habitat for the Atlantic Sturgeon and Shortnose Sturgeon. However, as an aquatic species sturgeon inhabit rivers. Lakes, ponds, and brackish water ecosystems, no of which exist on site. Furthermore, the proposed project does not exceed any thresholds listed in Section 7 of the Part 2 EAF.

10. ***Impact on Historic and Archeological Resources***
The proposed action may occur in or adjacent to a historic or archaeological resource.

Part 2 FEAF 10.a. The proposed action may occur wholly or partially within, or substantially contiguous to, any buildings, archeological site or district which is listed on the National or State Register of Historical Places, or that has been determined by the Commissioner of the NYS Office of Parks, Recreation and Historic Preservation (OPRHP) to be eligible for listing on the State Register of Historic Places.

The proposed project site is located contiguous to the Mill Street – North Clover Historic District, Union Street Historic District, Second Baptist Church, Vassar Home for Aged Men, Vassar Institute, and Mill St. North Clover St. Historic District (Boundary Increase).

The Project in a former iteration (7-story residential) was submitted to OPRHP for Consistency Review. By letter dated November 17, 2020, it is the OPRHP's opinion that the project will have No Adverse Effect on historic or archeological resources. Since the project was later changed to consist of a 4-5 story residential building, the project had been re-submitted to OPRHP and is currently under review. In addition, the new 4-5 story residential building provides a thoughtfully designed transition from the taller buildings along Main Street, thus integrating the Project into the surrounding neighborhood. Further, the City's design consultant, MASS Design, has recommended architectural changes that the Applicant has implemented to ensure compatibility with the surrounding neighborhood. New and carefully configured outdoor spaces, including the internal shared court yard and gazebo, raised planting beds, the pathways around the site, and the open law areas around Admiral Halsey I facing Main Street and North Perry, maintain a park like appearance with the site for use of the residents of both building while mitigating off-site impacts by providing a tree lined & landscaped street scape along N. Perry Street.

13. Impact on Transportation
The proposed action may result in a change to existing transportation systems.

Part 2 FEAF 13.f. Other Impacts. The Project will result in an increased demand for off-street parking.

The City of Poughkeepsie code requirement for a multifamily dwelling is 0.5 spaces per dwelling unit for senior (62 or older) apartments plus 10% for visitors, which equates to a total code requirement of 40 spaces required for the 72 dwelling units proposed at Admiral Halsey II. A total of 106 spaces are required by code for the combined 191 units, including existing units in Admiral Halsey I and proposed units at Admiral Halsey II. A total of 68 parking spaces are proposed on site.

The Applicant submitted an updated parking analysis dated September 2, 2022. The analysis included a review and evaluation of existing and future parking conditions at the Admiral Halsey complex relative to the anticipated parking requirements associated with the Admiral Halsey II 72-unit senior apartment development. Based on the existing parking utilization observations at the existing Admiral Halsey I facility, which indicate a peak parking utilization ratio of 0.34 spaces per dwelling unit or 65 spaces, and considering the tenant mix, demographic characteristics, urban setting, and the available van for use of all tenants on site, the analysis concludes that the proposed 68 spaces should adequately accommodate peak parking demands at the site. Factors including the available van, and the nature of the population including frail elderly will tend to make the demand even lower than 0.34 spaces per dwelling unit.

14. Impact on Energy
The proposed action may cause an increase in the use of any form of energy.

Part 2 FEAF 14.e. Other Impacts: The Project will result in an increase in energy use.

The Project will result in an increased demand for energy in the form of electricity. The proposed building will meet or exceed the required energy requirements as set forth in the Building Code. The project will have a modest increase in electrical energy. With only a new transformer to service the building it will not require any additional electrical utility infrastructure and does not meet any of the other thresholds deemed significant by NYSDEC. No significant adverse energy impacts are therefore anticipated.

16. Impact on Human Health
The proposed action may have an impact on human health from exposure to new or existing sources of contaminants.

Part 2 FEAF 16.a. The proposed action is located within 1,500 feet of a school, hospital, licensed day care center, group home, nursing home or retirement community.

The Grand Rehabilitation and Nursing at River Valley, Christopher Columbus Elementary School, Trinity Temple Church-Seventh, St. Josephs Church and Admiral Halsey 1 are facilities within 1500 feet of the project site. However, the project will not generate noise or other forms of pollution and therefore is not anticipated to impact such facilities.

Part 2 FEAF 16.b-e.

Site ID: 314071 has been identified by the DEC EAF Mapper (attached as Appendix B to the Part 1). However, it has been determined that no significant MGP waste material was found, and a No Further

Action letter dated March 12, 2007 was issued by the NYS DEC. See the DEC Remedial Database Site Record 314071 attached as Appendix C to the Part 1.

18. Consistency with Community Character
The proposed project is inconsistent with the existing community character.

The proposed action will not eliminate existing facilities or areas of historic importance to the community. The proposed action will make demands on community resources similar to any residential project, with the exception of schools as no school age children are proposed to live in the 62+ community. The proposed action will not displace affordable or low-income housing, but rather will create new affordable senior housing in a community where a shortage of such housing currently exists. The proposed action will not interfere with officially recognized public resources.

The Property is located within the R-6 zoning district, designed for the purpose of "intense residential development." The proposed action is consistent with the predominant architectural scale (see Area Density Study dated July 26, 2022) and character. The proposed project integrates the design of the Admiral Halsey building, completed in 1977, which featured significant setbacks from the primary street, used as a public/private interface within a landscaped setting with lawns, shrubs, and benches, with a newly created private and screened courtyard, shared by residents of both buildings. The project proposes to maintain and/or enhance the existing open space along with creating new open space with the addition of outdoor seating, enhanced pathways and landscaping, and a new gazebo in the interior courtyard.

The proposed new building was originally presented as a 7-story building, somewhat similar to the existing building in terms of placement within the landscaped setting. The redesign that has occurred from dialogue with the Board and the public has resulted in a lower building, which creates a transition from the Main Street primary building face to the buildings that surround the site. It is noted that the properties that surround this site are also within the R-6 zoning district.

All site lighting features are dark sky compliant.

The Project's demands on community resources are therefore not anticipated to be significant.

SUPPLEMENTAL DATA INFORMATION

Prepared for

ADMIRAL HALSEY II

Located at

135 Main Street
City of Poughkeepsie, Dutchess County, NY
Tax ID 6062-76-911183

Submitted

September 9, 2022

Prepared for

Omni New York

909 Third Avenue, 21st Floor
New York City, New York 10022

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Appendices

Appendix A: Soil and Materials Management Plan

Appendix B: Parking Report

Appendix A:

Soil and Materials Management Plan

SOIL & MATERIALS MANAGEMENT PLAN

ADMIRAL HALSEY II

135 MAIN STREET

POUGHKEEPSIE, NEW YORK

Prepared For:

Omni New York LLC

909 Third Avenue, 21st Floor

New York, NY 10022

Prepared By:

HK Engineering & Geology D.P.C.

1600 Route 22 East

Union, NJ 07083

Project No. HK2615

AUGUST 2022

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INTRODUCTION & SITE BACKGROUND

The Site is identified as Admiral Halsey II located at 135 Main Street, Poughkeepsie, New York. The subject site location is slated for redevelopment to construct an affordable housing building with 72 income restricted units (efficiency and one-bedroom) for seniors. The Property is currently improved with an existing high-rise affordable housing building (Admiral Halsey I). The property will be subdivided into two (2) lots to permit the development. Subdivided Lot 1 will be 40,656.67 square feet (0.933 acres) and contain the existing 86,745 square foot building. Subdivided Lot 2 will be 58,899.04 square feet (1.35 acres) and contain the proposed new 4-5 story 61,286 square foot building. The subject property is located in an R6 zoning district. Figure 1 shows the site location.

A Limited Phase II Environmental Investigation was completed by Hillmann Consulting, LLC in March 2019 at the Site. Eight borings were advanced 6-10 feet below ground surface (bgs) with eight soil samples and three groundwater samples collected to observe subsurface conditions at the Site. Subsurface material consisted of mainly urban fill throughout each boring. Boring advancement was terminated following encountering groundwater approximately 6.5 feet bgs. 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.

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.

In summary, the soil 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 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 or historic fill material.

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.

Based on the results and subsurface characterization, proposed site redevelopment activities that consist of removal of existing soil and groundwater shall be disposed of in accordance with federal, state, and local regulations. The Phase II soil analysis completed at the Site indicates the soil can be disposed of as non-hazardous solid waste/urban fill; however, full characterization and acceptance of solid waste is dependent on the receiving facility. In the event that groundwater or a hotspot is encountered during intrusive activities, sampling and dewatering activities for groundwater should be followed as part of this plan.

The Phase II (including the sampling location diagram and summary tables) is included as Attachment A.

SOIL & MATERIALS MANAGEMENT PLAN

This Soil & Materials Management Plan (SMMP) has been developed to address the proposed soil waste excavation, relocation, grading, sediment and erosion control, staging area, handling, stockpiling and placement of any waste/fill excavated and encountered at 135 Main Street, Poughkeepsie New York (Site). Below, the proposed measures for typical waste sampling, laboratory chemical analysis, and disposal/reuse are outlined. Any future intrusive work that will disturb residual soil/fill beneath the property, including modifications or repairs to the existing composite cover system, should be performed in compliance with this (SMMP). All intrusive construction work should be compliant with this SMMP, Federal, State and local regulations.

Stockpile Methods

If stockpiles are used to isolate excavated soil or other solid material such as concrete or asphalt they are to be removed as soon as practicable. Excavated soils that will be stockpiled at on grade surfaces should be covered at a minimum with double layers of 6-mil minimum sheeting prior to daily site departure or before precipitation events to eliminate storm runoff. While stockpiles are in place, they will be inspected daily, and before and after every storm event. The stockpiles will be kept covered at all times with appropriately anchored plastic tarps or other anchoring mechanism. Broken or ripped tarps will be promptly replaced.

All stockpile activities should be compliant with applicable laws and regulations. Soil stockpile areas shall be appropriately graded to control runoff in accordance with applicable laws and regulations. Stockpiles of excavated soils and other materials shall be located at least of 50 feet from the property boundaries, where possible. Hay bales or equivalent should surround soil stockpiles except for areas where access by equipment is required. Silt fencing and hay bales shall be used as needed near catch basins, surface waters and other discharge points.

Waste Characterization of Excavated Materials

Soil/fill or other excavated media that is transported off-Site for disposal should be sampled in a manner required by the receiving facility, and in compliance with applicable laws and regulations. Typical soil characterization analysis comprises of TAL/TCL+30 compounds which include volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), metals,

polychlorinated biphenyls (PCBs), pesticides, and total cyanide. Additional soil characterization analyses may include TCLP metals and RCRA characteristics. The specific sample requirements should be provided by the applicable soil disposal facility.

Stabilized Construction Entrance

Steps shall be taken to ensure that trucks departing the site will not track soil, fill or debris off-Site. Such actions may include use of cleaned asphalt or concrete pads or use of stone or other aggregate-based egress paths between the truck inspection station and the property exit. A gravel pad at the entrance of the site should be at least 6-12 inches thick where vehicles are to be staged. This gravel pad should be continually refreshed as needed to separate vehicles from bare soil. Measures are to be taken to ensure that adjacent roadways will be kept clean of project related soils, fill and debris.

Materials Excavation, Load-Out, and Departure

The appointed representative of the Responsible Party overseeing the soil excavation work should:

- Field screen soil (visually, olfactory, photo-ionization detector, if applicable) outward for contamination;
- Oversee excavation and load-out of excavated material;
- Ensure that there is a party responsible for the safe execution of invasive and other work performed under this work plan;
- Ensure that Site development-related and maintenance activity grading cuts will not interfere with, or otherwise impair or compromise adjacent properties and/or structures;
- Ensure that the presence of utilities and easements on the Site has been investigated and any identified risks from work proposed under this plan are properly addressed by appropriate parties;
- Ensure that all outbound trucks or vehicles are set up on a thick 6–12-inch gravel pad prior to entry for load out. Gravel pad should be refreshed as needed;
- Loaded outbound trucks are to be inspected and cleaned by brushing and/or power washing if necessary, including tires, before leaving the Site;
- Ensure that all egress points for truck and equipment transport from the Site will be kept clean of Site-derived materials during soil transport.

- Locations where vehicles exit the Site shall be inspected daily for evidence of soil tracking off premises. Cleaning of the site entry, public walkway, and adjacent streets are to be performed as needed to maintain a clean condition with respect to Site-derived materials.

Off-Site Materials Transport

Loaded vehicles leaving the Site must comply with all applicable materials transportation requirements (including appropriate covering, manifests, and placards) in accordance with applicable laws and regulations. Including use of licensed haulers in accordance with 6 NYCRR Part 364. If loads contain wet material capable of causing leakage from trucks, truck liners are to be used. Queuing of trucks should be performed on-Site, when possible, in order to minimize off Site disturbance. Off-Site queuing should be minimized.

Materials Disposal Off-Site

All impacted soil/fill or other waste excavated and removed from the Site should be managed as regulated material and disposed in accordance with applicable laws and regulations. Historic fill and contaminated soils taken off-Site shall be handled as solid waste and should not be disposed at a Part 360-16 Registration Facility (also known as a Soil Recycling Facility). Waste characterization should be performed for off-Site disposal in a manner required by the receiving facility and in conformance with its applicable permits prior to soil load out. A manifest system for off-Site transportation of exported materials should be employed and kept on record at least 3 years after shipping. If hazardous waste is later derived from on-Site activities this waste shall be stored, transported, and disposed of in compliance with applicable laws and regulations.

Materials Reuse On-Site

If existing material is slated to be reused onsite the soil should be non-contaminated and in compliance with applicable regulations and site use. All excavated soil intended for reuse during any future repair or construction purposes should be placed in the same excavation it was derived from or be disposed off-site unless otherwise approved beforehand.

Organic matter (wood, roots, stumps, etc.) or other waste derived materials (i.e. tires) from clearing and grubbing of the Site will not be buried on-Site. Soil or fill excavated from the site for grading or other purposes will not be reused within a cover soil layer or within landscaping berms.

Hotspot Demarcation

Any contamination hotspots found during construction activity, shall be remediated. If invasive remedial activities are needed, the top of the residual soil/fill should be defined by one of three methods: (1) placement of a demarcation layer. The demarcation layer will consist of geosynthetic fencing or equivalent material to be placed on the surface of residual soil/fill to provide an observable reference layer; (2) a land survey of the top elevation of residual soil/fill before the placement of cover soils, pavement and associated sub-soils, or other materials or structures; (3) all materials beneath the approved cover will be considered impacted and subject to site management after the remedy is complete. Demarcation may be established by one or any combination of these three methods. As appropriate, a map showing the method of demarcation for the Site should be made available.

Import of Backfill Soil from Off-Site Sources

In the event that soil importation is needed for backfilling purposes, this section presents the recommendations for imported materials.

All imported soils should be approved and cover soil quality objectives for this Site. Imported soils should not exceed groundwater protection standards established in Part 375 and must meet the criteria for specific use in accordance with NYSDEC restricted-residential use soil cleanup objectives. A process should be established to evaluate sources of backfill and cover soil to be imported to the Site, and include an examination of source location, current and historical use(s), and any applicable documentation. Material from industrial sites, spill sites, environmental remediation sites or other potentially contaminated sites are not to be imported to the Site.

The following potential sources may be used pending attainment of backfill and cover soil quality objectives:

- Clean soil from construction projects at non-industrial sites in compliance with applicable laws and regulations;

- Clean soil from roadway or other transportation-related projects in compliance with applicable laws and regulations;
- Clean recycled concrete aggregate (RCA) from facilities permitted or registered by the regulations of NYSDEC.

Recycled concrete aggregate (RCA) used should be imported from facilities permitted or registered by NYSDEC. The appointed representative is responsible to ensure that the facility is compliant with 6NYCRR Part 360 registration and permitting requirements for the period of acquisition of RCA. RCA imported from compliant facilities will not require additional testing, unless required by NYSDEC under its terms for operation of the facility. RCA imported to the Site must be derived from recognizable and uncontaminated concrete. RCA material is not acceptable for, and will not be used as cover material.

Dewatering/ Fluids Management

Previous Phase II Subsurface investigation indicated depth to groundwater at approximately 6-6.5 feet below ground surface. If excavation activities are to occur, dewatering is likely to be necessary during construction activities.

If necessary, all liquids to be removed from the Site, including dewatering fluids, are to be handled, transported and disposed in accordance with applicable laws and regulations. Liquids discharged into the Poughkeepsie sewer system must receive prior approval by the Town of Poughkeepsie. Discharge to the Town of Poughkeepsie sewer system will require an authorization and sampling data demonstrating that the groundwater meets the City's discharge criteria.

If applicable, dewatering fluid should be pretreated as necessary to meet the Town of Poughkeepsie discharge criteria. If needed, dewatering for this site should utilize a pumping system, settling tanks, possibly a treatment system prior to discharge into the city sewer system. If discharge to the Poughkeepsie sewer system is not appropriate, the dewatering fluids will be managed by transportation and disposal at an off-Site treatment facility. All required permits should be obtained from Town of Poughkeepsie prior to any discharge of groundwater into the sewer system. Discharge of water generated during construction to surface waters (i.e. a stream or river) is

prohibited without a SPDES permit issued by New York State Department of Environmental Conservation.

Stormwater Pollution Prevention

Erosion and sediment control measures identified in this remedial plan (silt fences and barriers, and hay bale checks) are to be installed around the entire perimeter of the construction area and inspected once a week and after every storm event to ensure that they are operating appropriately. Discharge locations are to be inspected to determine whether erosion control measures are effective in preventing significant impacts to receptors. All necessary repairs shall be made immediately. Accumulated sediments are to be removed as required to keep the barrier and hay bale check functional. Undercutting or erosion of the silt fence toe anchor should be repaired immediately with appropriate backfill materials. Manufacturer's recommendations should be followed for replacing silt fencing damaged due to weathering.

Contingency Plan for Unknown Contamination Sources

This contingency plan is developed for the construction to address the discovery of unknown structures or contaminated media during excavation; if encountered. Identification of unknown contamination source areas during invasive Site work should be promptly communicated to the appointed site representative. Petroleum spills will be reported to the NYSDEC Spill telephone Hotline 1-800-457-7362. If previously unidentified contaminant sources are found during on-Site excavation or development-related excavation, sampling should be performed on contaminated source material and surrounding soils. Chemical analytical testing is recommended to be performed for TAL metals, TCL volatiles and semi-volatiles, TCL pesticides and PCBs, as appropriate.

If an underground storage tank is encountered during invasive activities the contingency plan to properly address is as follows:

- Notify State and local officials
- Find a NYS Contractor licensed for tank removal
- Excavate to top of the tank
- Drain and remove all product from the tank and product lines

- Inert the tank to mitigate explosive risks; don gas monitoring if entry is needed
- Prepare tank for disposal

Odor Control

All necessary means are to be employed to prevent on- and off-Site odor nuisances. At a minimum, procedures will include: (a) limiting the area of open excavations; (b) shrouding open excavations with tarps and other covers; and (c) use of foams to cover exposed odorous soils. If odors develop and cannot be controlled by these means, additional means to eliminate odor nuisances should include: (d) direct load-out of soils to trucks for off-Site disposal; and (e) use of chemical odorants in spray or misting systems.

The odor control plan must be capable of controlling emissions of nuisance odors. If nuisance odors are identified, work is to be halted, and the source of odors must be identified and corrected. Work should not resume until all nuisance odors have been abated. Implementation of all odor controls, including halt of work, will be the responsibility of appointed representative.

Dust Control

Dust management during invasive on-Site work should include, at a minimum:

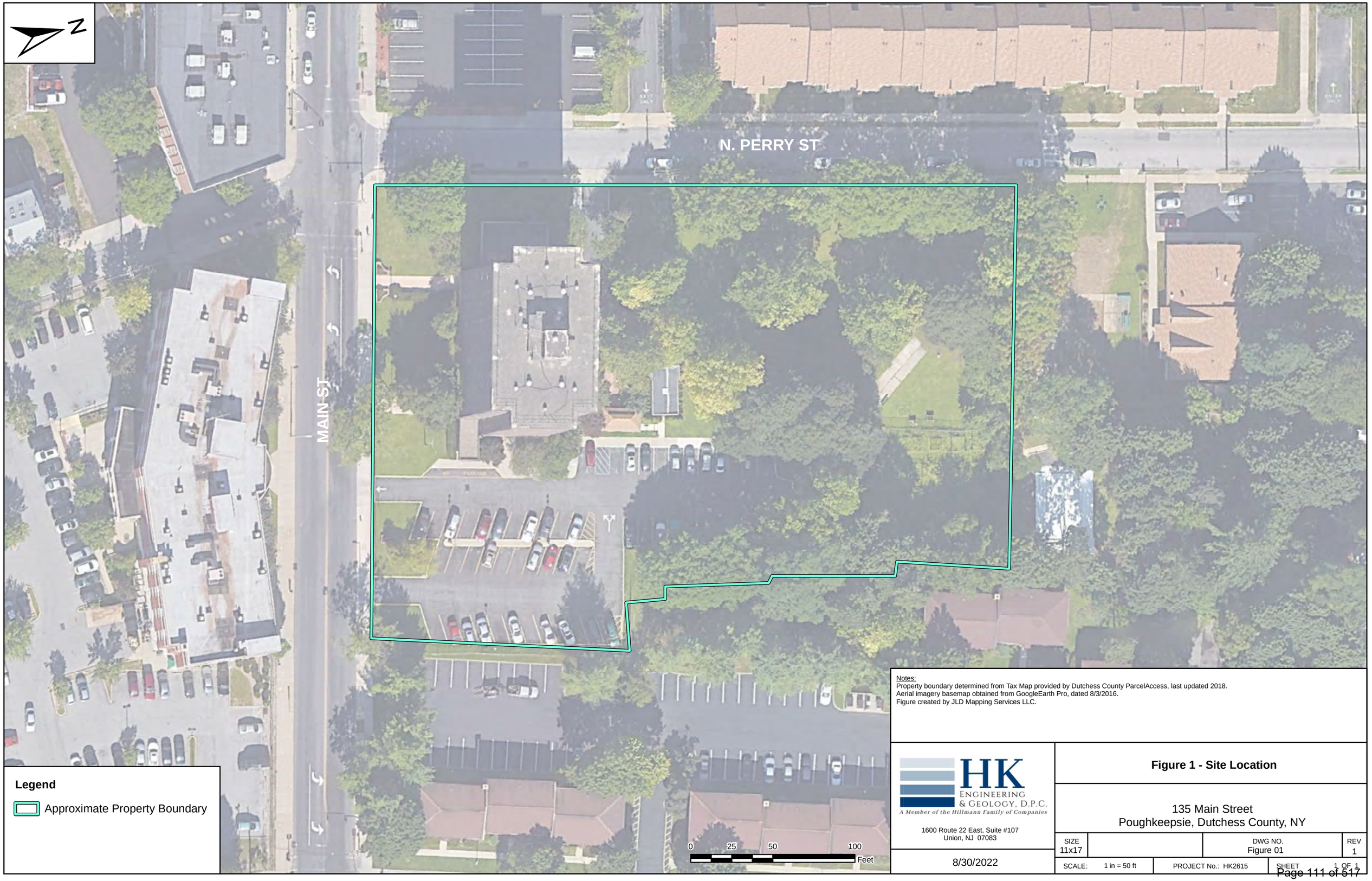
- Use of a dedicated water spray methodology for roads, excavation areas and stockpiles;
- Use of properly anchored tarps to cover soil/fill stockpiles;
- Exercise extra care during dry and high-wind periods; and
- Use of asphalt millings, gravel or recycled concrete aggregate on egress and other roadways to provide a clean and dust-free road surface.

If nuisance dust emissions are identified, work should be halted and the source of dust must be identified and corrected. Work will not resume until all nuisance dust emissions have been abated. Implementation of all dust controls, including halt of work, will be the responsibility of the appointed representative.

Noise

Noise control will be exercised during the remedial program. All remedial work will conform, at a minimum, to New York State noise control standards.

FIGURES



Legend

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.

HK ENGINEERING & GEOLOGY, D.P.C.
A Member of the Hillmann Family of Companies

1600 Route 22 East, Suite #107
Union, NJ 07083

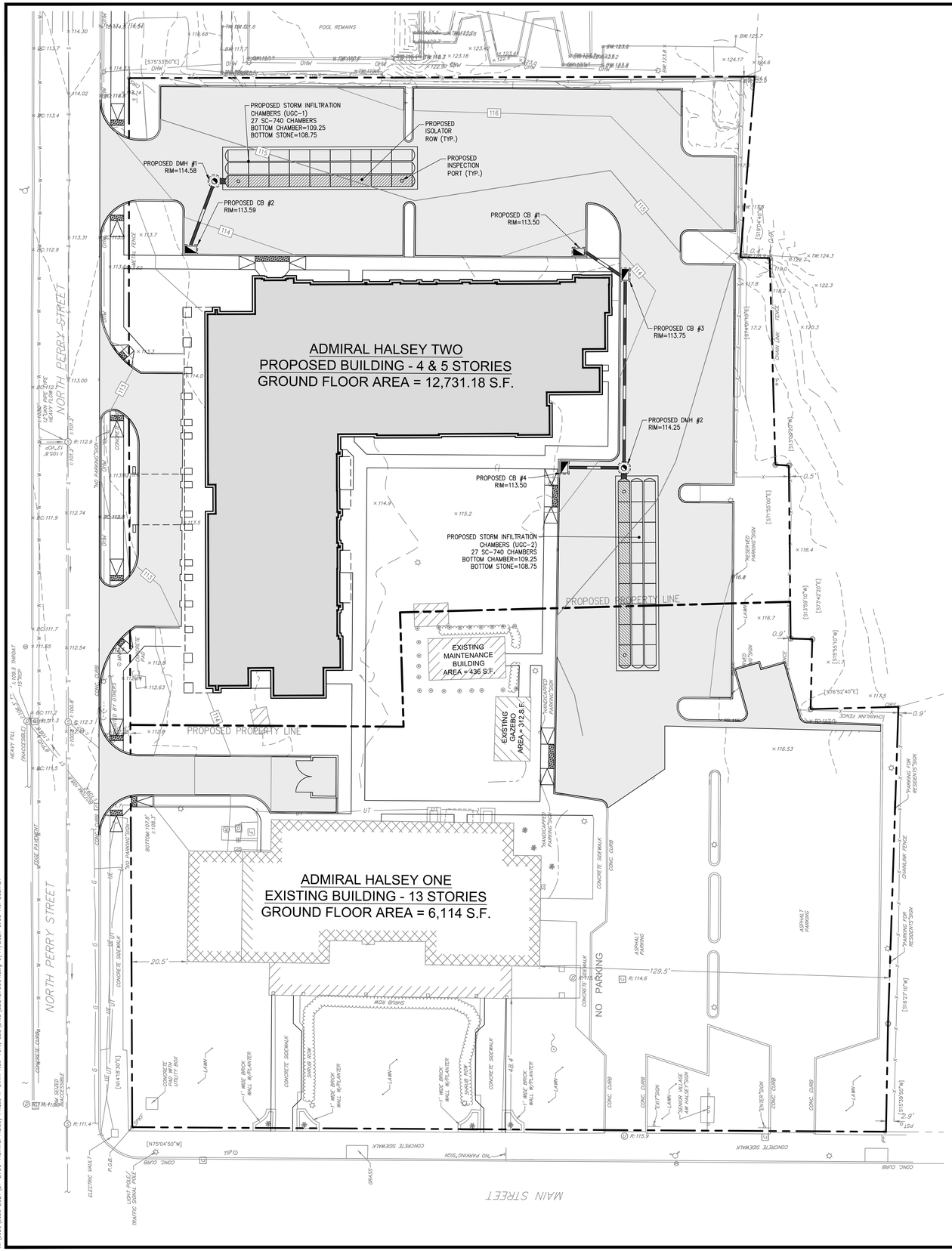
8/30/2022

Figure 1 - Site Location

135 Main Street
Poughkeepsie, Dutchess County, NY

SIZE		DWG NO.	REV
11x17		Figure 01	1

SCALE:	PROJECT No.:	SHEET
1 in = 50 ft	HK2615	1 OF 1



LEGEND

PROPOSED ASPHALT

PROPOSED STORM PIPE

GRAPHIC SCALE

20 10 0 20

SCALE IN FEET

Revisions		
#	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.

SITE DRAINAGE PLAN

ADMIRAL HALSEY II

125 MAIN STREET
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NEW YORK

Design/Calcs	BS	CAD File	SD21273001.dwg	Sheet No.
Drawn	SMC	Project No.	20-2370	SD-1
Checked	KFC	Date	2021-06-22	
Approved	REM	Scale	1"=20'	

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ATTACHMENT A

Phase II Subsurface Investigation Report

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.

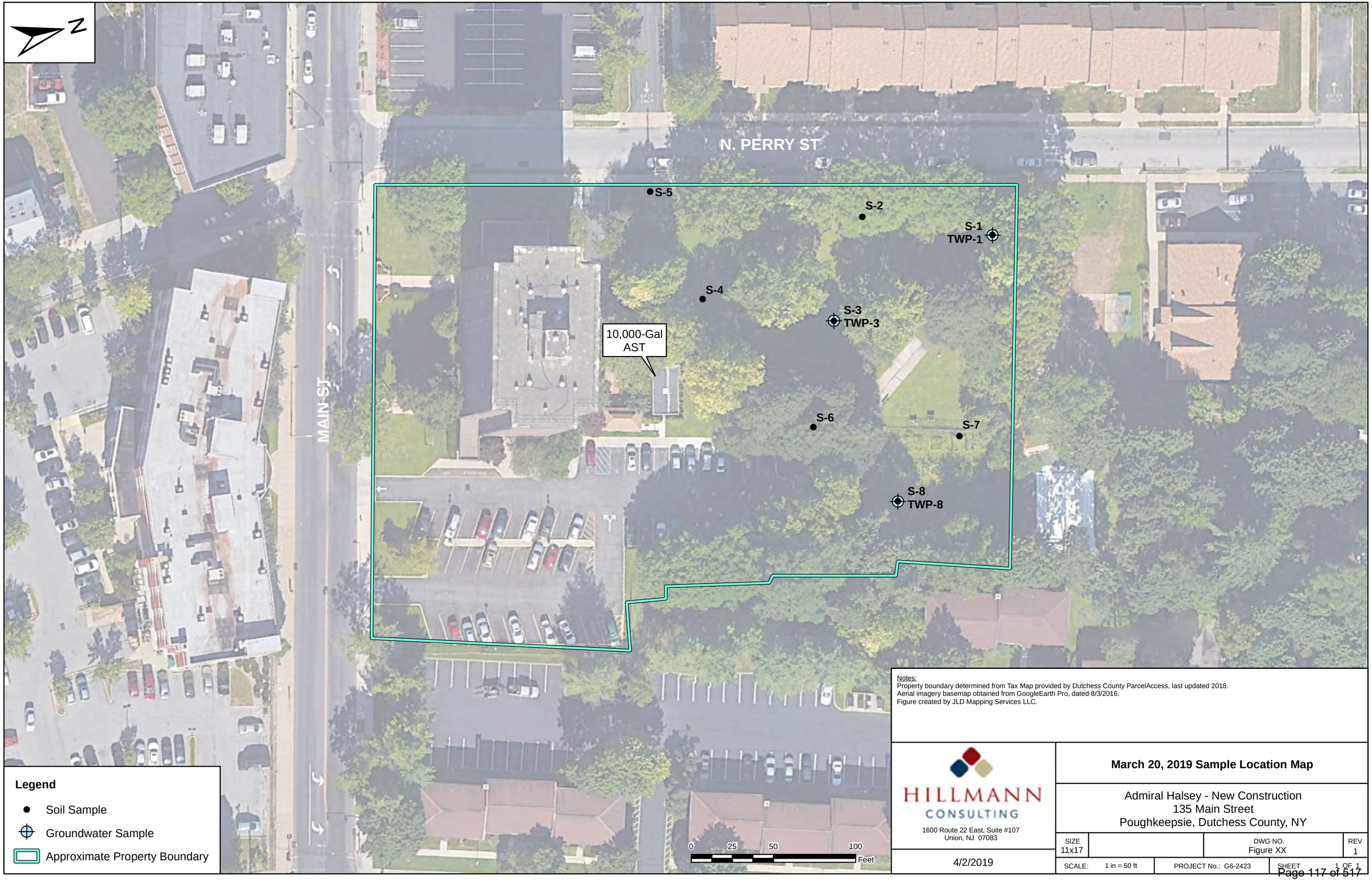
We thank you for the opportunity to provide you with our services. If you have any questions or comments, please feel free to contact us at any time.

Sincerely,

Hillmann Consulting, LLC

Ryan K. Powell, P.G.
Environmental Scientist

Chris Hirschmann, CHMM
Director, Environmental Services



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	0.0016	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 9-10' Brown/ Grey Sand, moist, staining observed, feint petroleum odor	6.75'	PID Readings: 9-10' = 10.9ppm Samples Collected: **Soil Sample S-1 collected 5-6' bgs** **TWP-1 water sample collected** **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 Samples Collected: **Soil Sample S2 5-6' bgs**
SB3	Refusal on rock at 8'	0-8' Fill Material, wet at	4.5'	No PID Readings Samples Collected: **Soil Sample S3 5-6' bgs** **TWP-3 water sample collected from temp well point** **Gauged: Static Water = 6.23' bgs**
SB4	Boring Terminated at 6'	0-6' Fill material, wet at 4.5'	4.5'	No PID Readings: Samples Collected: **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) Samples Collected: **Soil Sample S-5 collected 5-6' bgs**
SB6	Boring Terminated at 7'	0-6' Fill material, wet at 4'	4'	No PID Readings Samples Collected: ***Soil Sample* S-6 collected 5-*6' bgs***
SB7	Boring Terminated at 6'	0-6' Fill material, wet at 4'	4'	No PID Readings Samples Collected: **Soil Sample S-7 collected 3-4' bgs**
SB8	Boring Terminated at 10'	0-10' Fill Material; wet at 5'	5'	No PID Readings Samples Collected: **Soil Sample S-8 collected 5-6' bgs** **TWP-8 water sample collected** **Gauged: Static Water = 6.17' bgs**

Attachment A

March 2019 Soil & Groundwater

Laboratory Analysis

ANALYTICAL REPORT

Lab Number:	L1911169
Client:	Hillmann Consulting, LLC 1600 Route 22 East 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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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
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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 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						
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
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						
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.) 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	Sample Specific Comments	Total Bottle
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		

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
R K Powell	3-21-19 1112	[illegible]	3-21-19 1112
[illegible]	3-21-19 1630	D. Santos MM	3/21/19 1900
D. Santos MM	3/21/19 2240	[illegible]	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

These samples have been previously analyzed by Alpha ☐

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 # GC-2423

Site Information
Is this site impacted by Petroleum? Yes ☐
Petroleum Product:

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.

ANALYSIS
TAL/TCL+30

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TAL/TCL+30	Sample Specific Comments
11169-11	TWP-8	3-20-19	1225	GW	RKP	X	

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 1172		3-21-19 1172
	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)

Appendix B:

Parking Report

400 Columbus Avenue
Suite 180E
Valhalla New York 10595
Main: 877 627 3772
colliersengineering.com

Colliers
Engineering
& Design

September 2, 2022

Mr. Joseph Lozada
Omni New York
909 Third Avenue, 21st Floor
New York, NY 10022

Admiral Halsey II - 135 Main Street
Colliers Engineering & Design Project No. 22003478A

Dear Mr. Lozada:

As requested, this report supplements our previous report of April 15, 2022, and provides additional historical information on parking and site operations as well as further information and clarification regarding the proposed Admiral Halsey II building that was requested by the City of Poughkeepsie Zoning Board of Appeals. Specifically, this letter confirms that our analysis of the parking demand for the Admiral Halsey I and II buildings have considered the specific circumstances of the applicable regulatory agreements for each building, and have also considered historic data regarding tenant characteristics in Admiral Halsey I, as well as historic aerial photographs showing historic parking usage at the site.

We have also considered the anticipated parking requirements associated with the Admiral Halsey II 72-unit senior apartment development. 36 of the 72 units will be occupied by Frail Elderly, a special population defined by having one or more physical impairment that require services so that the resident may continue to live independently. Figure No. 1A (Appendix A) identifies the site location. In addition, we have reviewed the Poughkeepsie City Code requirements as well as data published by the Institute of Transportation Engineers (ITE) regarding parking criteria and how the existing parking utilization relates to the proposed project.

Admiral Halsey I, the existing building, and Admiral Halsey II, the proposed building, are both age-restricted and income-restricted residential buildings of independent living. Neither building is "assisted living." The following is a summary of the compiled information and our recommendations with regards to parking.

1. Existing Parking Condition Surveys (Tables No. 1, P-1, P-2, and P-3)

   Observations of existing parking utilization during peak time periods for both Weekday and Saturday conditions were undertaken by representatives of Colliers Engineering & Design at the existing Admiral Halsey I facility (119 one-bedroom apartments). The purpose was to identify the current parking utilization at the site in relation to the number of existing residential units at that facility. The surveys of the site were collected on Thursday, April 7th,

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and Saturday, April 9, 2022. It should be noted that at the time of the surveys, the dwelling units were all leased.

As summarized in Table No. 1 for the parking areas at the existing site, which contains some 55 spaces (including 2 handicapped spaces), a total peak utilization of 38 occupied spaces was observed on a Weekday and 36 spaces on a Weekend were found. See Tables P-1, P-2, and P-3 (Appendix B). In addition, we reviewed some of the other historical parking usage data provided by the management company for the facility, which also showed similar peak utilization with 36 spaces occupied on the Weekday and a maximum peak of 40 spaces occupied on a Saturday in December. These are referenced in the summary contained in Table No. 1. In addition, to further document past usage at the site, we have included various historical aerial photographs covering the period 1980 through 2021, which indicate similar levels of usage (see Appendix C).

2. Other Historical and Operational Characteristics

Operational and historical information that was provided by Omni is summarized herein and was considered as part of our parking review.

The regulatory agreement applicable to Admiral Halsey I, in effect until 2047, provides that each 1 bedroom apartment may be occupied by up to two income eligible persons, one of whom must be either over the age of 62 or qualify as "disabled." Almost all units at Admiral Halsey I are occupied by only one person. Only 4 units out of the 119 apartments are occupied by couples. There are no minors in any of the apartments.

We were specifically asked to confirm that our study considered this aspect of the tenant mix, and to consider whether the eligibility of disabled tenants would increase the potential parking demand from the Admiral Halsey I building. The statutory definition of disabled is included in Appendix E ("Inability to engage in any substantial, gainful activity by reason of any medically determinable physical or mental impairment"). While disabled tenants are thus generally unable to sustain permanent employment, they are able to live independently in buildings like Admiral Halsey I, and do not require assisted living.

Percentage of disabled tenants in Adm. Halsey I:

The following chart shows the number of disabled tenants in Admiral Halsey I, and the percentage of the total tenant population consisting of disabled tenants.

	2013	2016	2018	2020	8/2022
No. of Non-Senior Income Eligible Disabled Persons	7	16	13	23	24
% of total Residents*	6%	13%	10%	18%	19%

* Assumes 125 residents per year.

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Our parking observations were done at a time when the Applicant had the highest number of non-senior disabled persons living in the building to date, and the parking utilization continued to conform to levels analyzed over the life of the building. The current parking demand, including the 19% disabled residents, is consistent with the historical parking demand dating back to 1980 as evidenced by Appendix C. Based on the statutory definition, the existing parking utilization observations and historical date, the disabled residents do not increase Admiral Halsey I's parking demand as compared to the demand attributed to income qualifying senior (over 62) tenants.

The Admiral Halsey II building will have 24 studio apartments and 48 1 bedroom apartments. Both the studios and the 1 bedroom apartments allow occupancy by 1-2 persons under LITHC guidelines. As presently proposed,[1] the Regulatory Agreement for Building II will be different than the one for Building I. Occupancy will be based on income qualification and each unit will require that a primary tenant be over the age of 62.

Additionally, 36 of the 72 apartments in Admiral Halsey II will be occupied by those meeting the definition of "frail elderly" as defined under the State ESSHI program A frail elderly person is defined as "any person who is age 55 or older, who is enrolled in Medicaid and requires assistance with one or more activities of daily living." However, the frail elderly are able to live in independent housing, and should not be misunderstood as requiring assisted living care. Attached as **Appendix** E is a letter from Mary Linge of Hudson River Housing (HRH), describing the planned operation of Admiral Halsey II and the ESSHI program. As noted in that letter, if a tenant exhibited a need for substantial outside care, this would impact a resident's eligibility to continue as an ESSHI participant and would likely indicate a need for a move to an assisted living facility. As part of the programming for Admiral Halsey II, HRH will be providing a full-time Care Manager to assist the frail elderly residents with daily activities, avoiding any theoretical additional demand on parking. Public comment at recent hearings has included expressed concern as to whether a frail elderly population would generate high levels of visitor parking. Although there is no available data specifically addressed to the "frail elderly" standard, the available parking data for residential facilities of all types housing aged and infirm populations generally shows a disappointingly low level of visitation to the occupants. We would not expect this to be a material source of parking demand.

3. Design and Operational Features that will reduce parking demand at Admiral Halsey I and II:

Certain factors would tend to reduce parking demand in a senior/disabled/frail elderly project. The project is in an urban area, with many conveniences available within walking distance. To some extent tenants in the specified demographic characteristics would be less inclined to prioritize car ownership than other age groups or characteristics.

[1] The Regulatory Agreement is executed after land use approvals and prior to occupancy. The Agreement is expected to run for a 50 year period, i.e. through approximately 2072.

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The most concrete factor that would tend to reduce parking demand is that the Project will be providing a full time van, seven days a week, which will be available to tenants in both the existing Admiral Halsey I building and the proposed Admiral Halsey II building, to take them to requested venues, such as shopping, medical appointments, movies, or other recreation and entertainment.

4. City of Poughkeepsie Code

The City of Poughkeepsie Code requirement for a multifamily dwelling is 0.5 spaces per dwelling unit for senior (62 or older) apartments plus 10% for visitors, which equates to a total Code requirement of 40 spaces required for the 72 dwelling units proposed at Admiral Halsey II. categories. Based on the total proposed 191 dwelling units on the combined site (119-AHI + 72-AHII), the required parking for the overall complex would be a total of 106 spaces.

However, based on the existing actual peak observed utilization, which equated to a ratio of 0.34 spaces per apartment, some 65 spaces would be required to accommodate the peak demand. However, an additional 3 spaces above the observed utilization ratio are being provided for a total of 68 parking spaces.

5. ITE Parking Standards

The Institute of Transportation Engineers (ITE) publishes information regarding parking for various land uses and stratifies those relative to the type of units, i.e., midrise apartments, apartments for active adults/age restricted, and this information is provided for both Weekday and Weekend conditions. Copies of the typical peak parking demands based on ITE are attached in Appendix D.

As can be seen, the average peak parking ratio for a typical non-age restricted midrise building would be between 0.08 to 0.42 spaces per dwelling unit, which would be similar to that observed at the existing complex.

Moreover, the ITE information provides general data that cannot take into account the particular features of an individual building site or setting. In the present situation, the nature of the urban setting, where many features are very close-by, and the availability of the full time, seven day a week, van to serve tenants of both buildings, would render the lower range of the statistical numbers more applicable.

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6. Summary and Conclusions

Based on all the above described circumstances, including the tenant mix and demographic characteristics, the urban setting, the available van for use of all tenants on site, and the existing parking utilization observations at the existing Admiral Halsey I facility, which indicates a peak parking utilization ratio of 0.34 spaces per dwelling unit, the proposed 33 spaces for the Admiral Halsey II 72 dwelling units or a total of 68 spaces for the total 191 dwelling unit facility (AHI+AHII), should adequately accommodate peak parking demands at the site. Factors including the available van, and the nature of the population including frail elderly will tend to make the demand even lower than 0.34 spaces per dwelling unit.

Sincerely,

Colliers Engineering & Design CT, P.C.

Philip Grealy, Ph.D., P.E.
Geographic Discipline Leader

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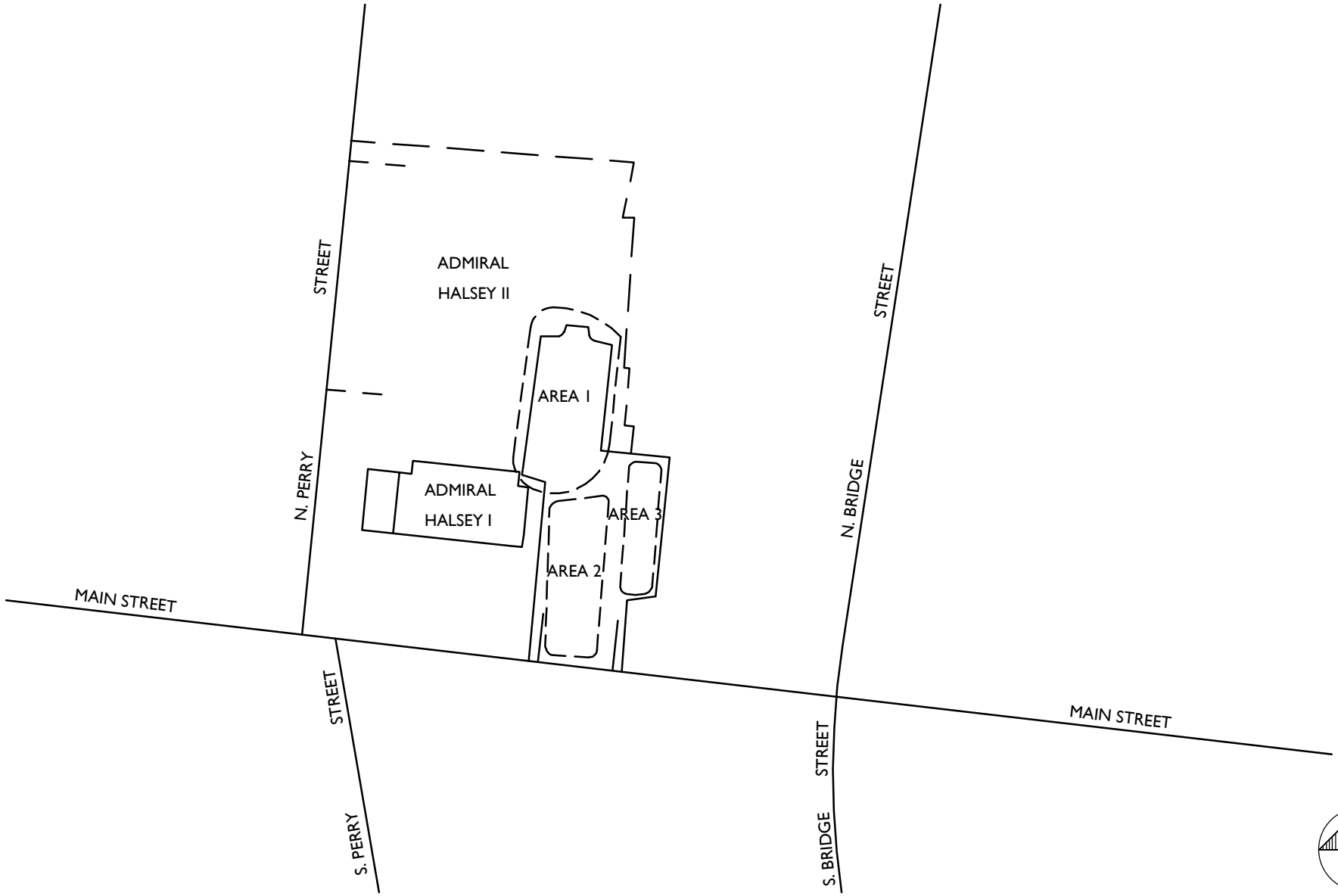
Admiral Halsey II

Appendix A | Site Location & Parking Area Map



NOTE: LINE DIAGRAM NOT TO SCALE

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REV	DATE	DRAWN BY	DESCRIPTION
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ADMIRAL HALSEY II

CITY OF POUGHKEEPSIE
DUTCHESS COUNTY
NEW YORK

811 Know what's below. Call before you dig.

PROTECT YOURSELF
ALL STATES REQUIRE NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN ANY STATE

FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: WWW.CALL811.COM

Colliers Engineering & Design
WESTCHESTER
400 Columbus Avenue,
Suite 180E
Valhalla, NY 10595
Phone: 914.347.7500
COLLIERS ENGINEERING & DESIGN CT, P.C. DOING BUSINESS AS MASER CONSULTING ENGINEERING & LAND SURVEYING

TRAFFIC IMPACT STUDY

SCALE:	DATE:	DRAWN BY:	CHECKED BY:
AS SHOWN	4/6/22	R.H.	P.J.G.

PROJECT NUMBER:	DRAWING NAME:
22003478A	220406RH_FIGURE

SHEET TITLE:
SITE LOCATION & PARKING AREA MAP

SHEET NUMBER:
1A

3478A\Reports\Traffic\Figures\220406RH_FIGURE.dwg\1 By: RHILARIO

Colliers Engineering & Design

Admiral Halsey II

Appendix B | Tables

Table No. 1

Summary of Hourly Occupied Parking Observations

Admiral Halsey I City of Poughkeepsie, NY	Spaces Occupied By Time Of Day		
	10:00 AM	3:00 PM	7:00 PM
Existing Parking Lot Capacity (55 Total Parking Spaces)			
Tuesday 5/24/21	34	30	32
Saturday 5/29/21	28	32	31
Tuesday 11/30/21	34	32	32
Wednesday 12/1/21	32	25	31
Friday 12/3/21	32	36	35
Saturday 12/4/21	36	32	40

NOTES:

1) OBSERVATION BASED ON SITE FACILITY MANAGEMENT.

Admiral Halsey I City of Poughkeepsie, NY	Spaces Occupied By Time Of Day			
	6:00 AM	10:00 AM	3:00 PM	7:00 PM
Existing Parking Lot Capacity (55 Total Parking Spaces)				
Thursday 4/7/22	36	33	33	31
Saturday 4/9/22	35	34	28	36

NOTES:

1) OBSERVATION BASED ON COLLIERS ENGINEERING & DESIGN.

TABLE P-1

SUMMARY OF ADMIRAL HALSEY PARKING SPACE UTILIZATION (WEEKDAY AM CONDITIONS)

JOB # 22003478A
LOCATION: POUGHKEEPSIE, NY
DAY: THURSDAY
DATE: 04/07/22
TIME: 6:00 AM - 10:00 AM

		PARKING AREA CAPACITY (1)			TOTAL	
		1	2	3	OCCUPIED	UNOCCUPIED
TOTAL SPACES		22	21	12	55	
TIME		SPACES OCCUPIED				
6:00 AM	6:30 AM	11	18	7	**36**	**19**
6:30 AM	7:00 AM	11	18	6	**35**	**20**
7:00 AM	7:30 AM	11	18	6	**35**	**20**
7:30 AM	8:00 AM	10	17	5	**32**	**23**
8:00 AM	8:30 AM	10	17	5	**32**	**23**
8:30 AM	9:00 AM	12	16	5	**33**	**22**
9:00 AM	9:30 AM	13	15	5	**33**	**22**
9:30 AM	10:00 AM	14	14	5	**33**	**22**

(1) PARKING AREAS SHOWING SPACES AVAILABLE DURING EACH TIME INTERVAL BY AREA AND FOR OVERALL AREA. SEE FIGURE 1A FOR IDENTIFICATION OF EACH AREA.

TABLE P-2

SUMMARY OF ADMIRAL HALSEY PARKING SPACE UTILIZATION (WEEKDAY PM CONDITIONS)

JOB # 22003478A
LOCATION: POUGHKEEPSIE, NY
DAY: THURSDAY
DATE: 04/07/22
TIME: 3:00 PM - 7:00 PM

		PARKING AREA CAPACITY (1)			TOTAL	
		1	2	3	OCCUPIED	UNOCCUPIED
TOTAL SPACES		22	21	12	55	
TIME		SPACES OCCUPIED				
3:00 PM	3:30 PM	16	12	5	**33**	**22**
3:30 PM	4:00 PM	17	14	5	**36**	**19**
4:00 PM	4:30 PM	16	16	6	**38**	**17**
4:30 PM	5:00 PM	13	15	6	**34**	**21**
5:00 PM	5:30 PM	12	13	6	**31**	**24**
5:30 PM	6:00 PM	12	13	6	**31**	**24**
6:00 PM	6:30 PM	12	15	6	**33**	**22**
6:30 PM	7:00 PM	11	14	6	**31**	**24**

(1) PARKING AREAS SHOWING SPACES AVAILABLE DURING EACH TIME INTERVAL BY AREA AND FOR OVERALL AREA. SEE FIGURE 1A FOR IDENTIFICATION OF EACH AREA.

TABLE P-3

SUMMARY OF ADMIRAL HALSEY PARKING SPACE UTILIZATION (WEEKEND SAT CONDITIONS)

JOB # 22003478A
LOCATION: POUGHKEEPSIE, NY
DAY: SATURDAY
DATE: 04/09/22
TIME: 10:00 AM - 1:00 PM

		PARKING AREA CAPACITY (1)			TOTAL	
		1	2	3	OCCUPIED	UNOCCUPIED
TOTAL SPACES		22	21	12	55	
TIME		SPACES OCCUPIED				
10:00 AM	10:30 AM	12	16	6	**34**	**21**
10:30 AM	11:00 AM	12	14	5	**31**	**24**
11:00 AM	11:30 AM	13	13	5	**31**	**24**
11:30 AM	12:00 PM	11	14	4	**29**	**26**
12:00 PM	12:30 PM	8	15	4	**27**	**28**
12:30 PM	1:00 PM	8	14	4	**26**	**29**

(1) PARKING AREAS SHOWING SPACES AVAILABLE DURING EACH TIME INTERVAL BY AREA AND FOR OVERALL AREA. SEE FIGURE 1A FOR IDENTIFICATION OF EACH AREA.

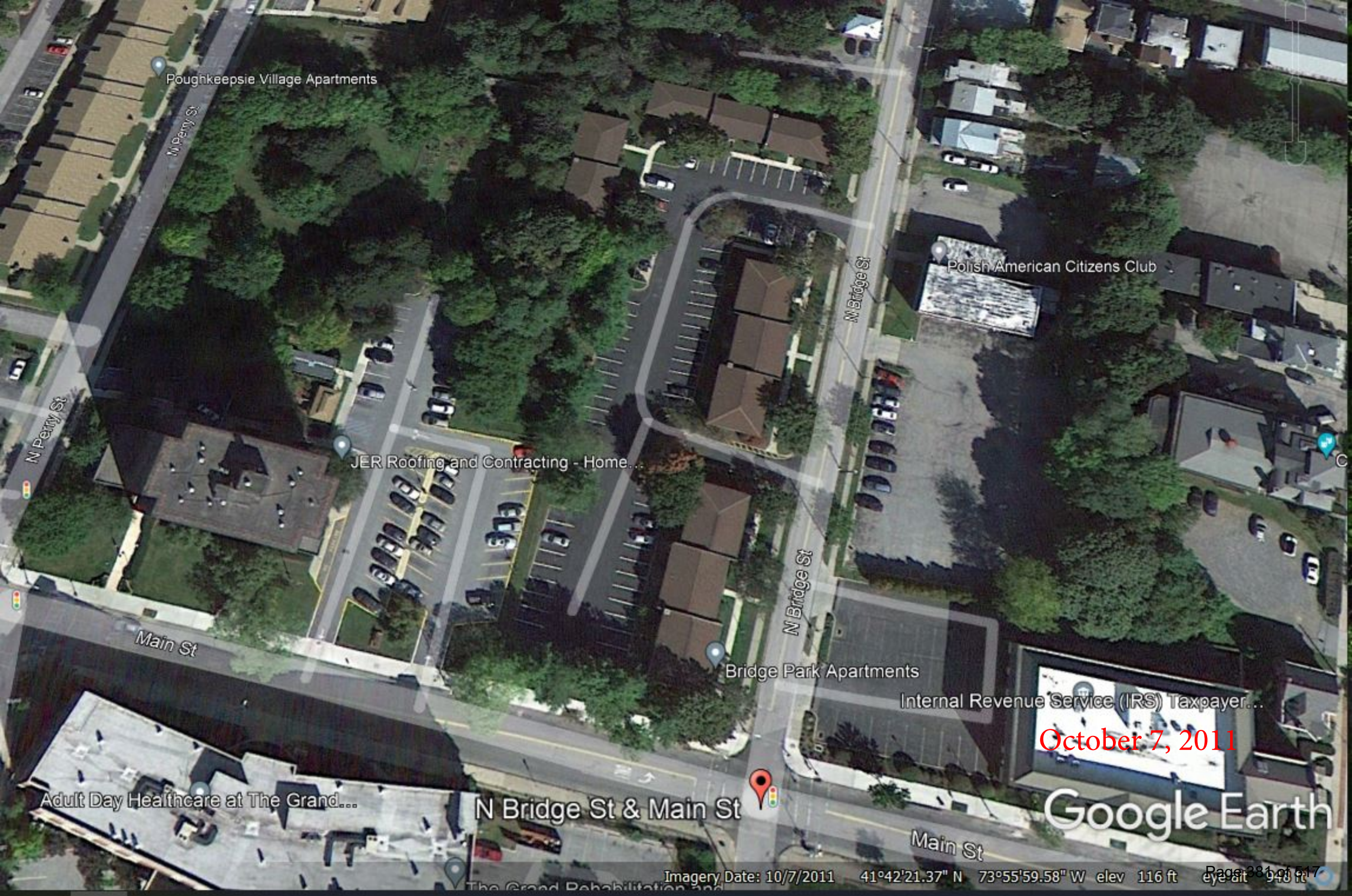
Colliers Engineering & Design

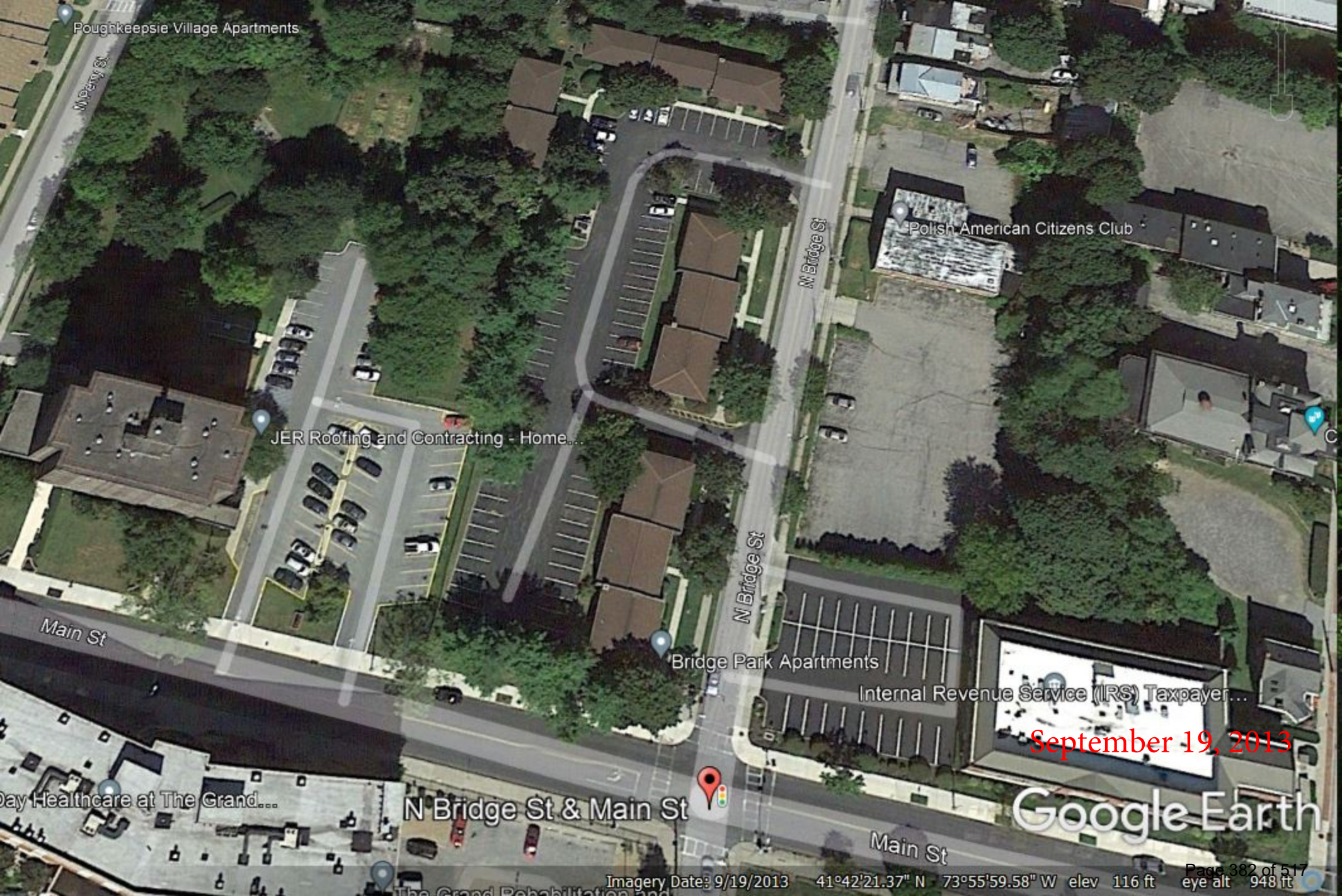
Admiral Halsey II

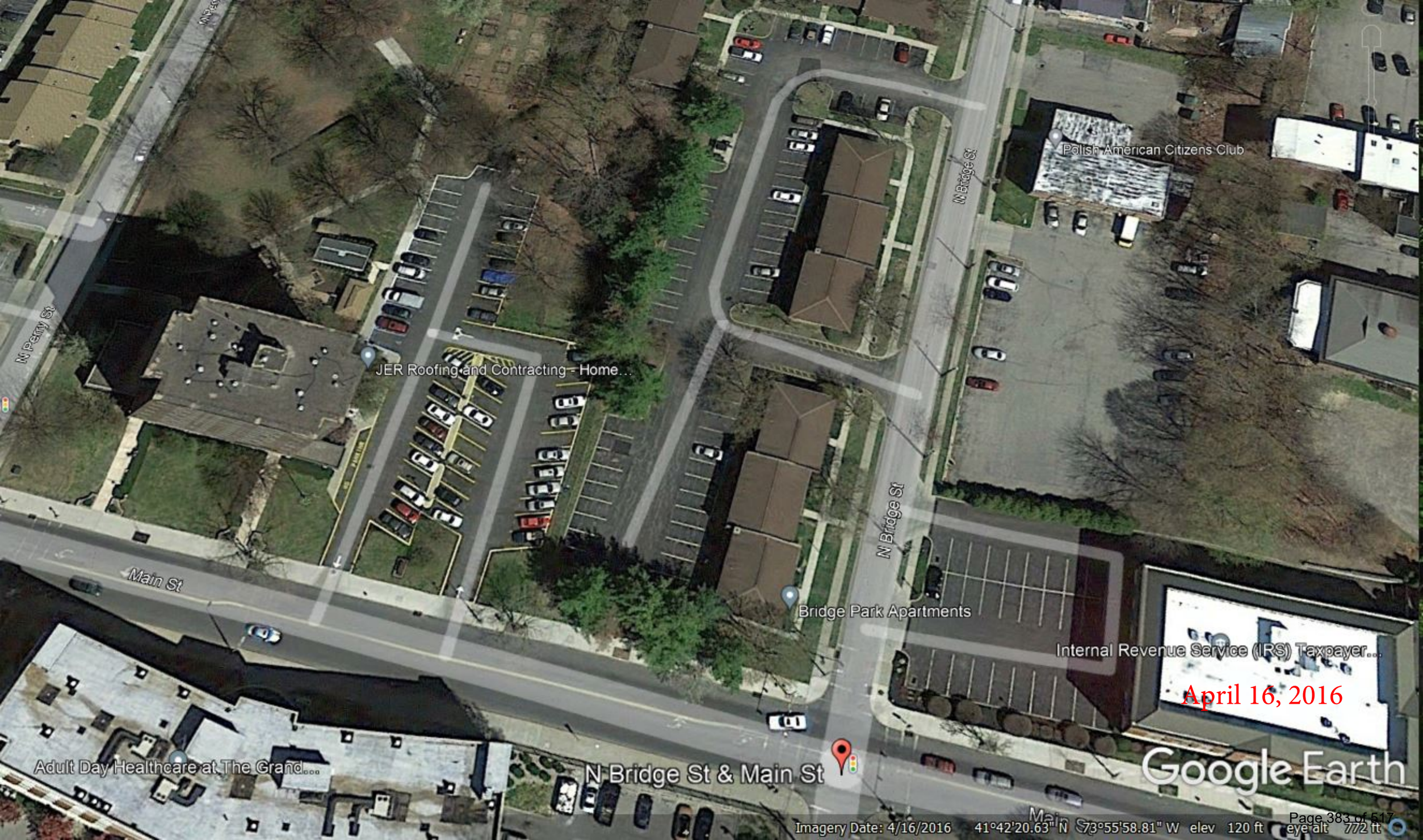
Appendix C | Historical Aerial Site Images

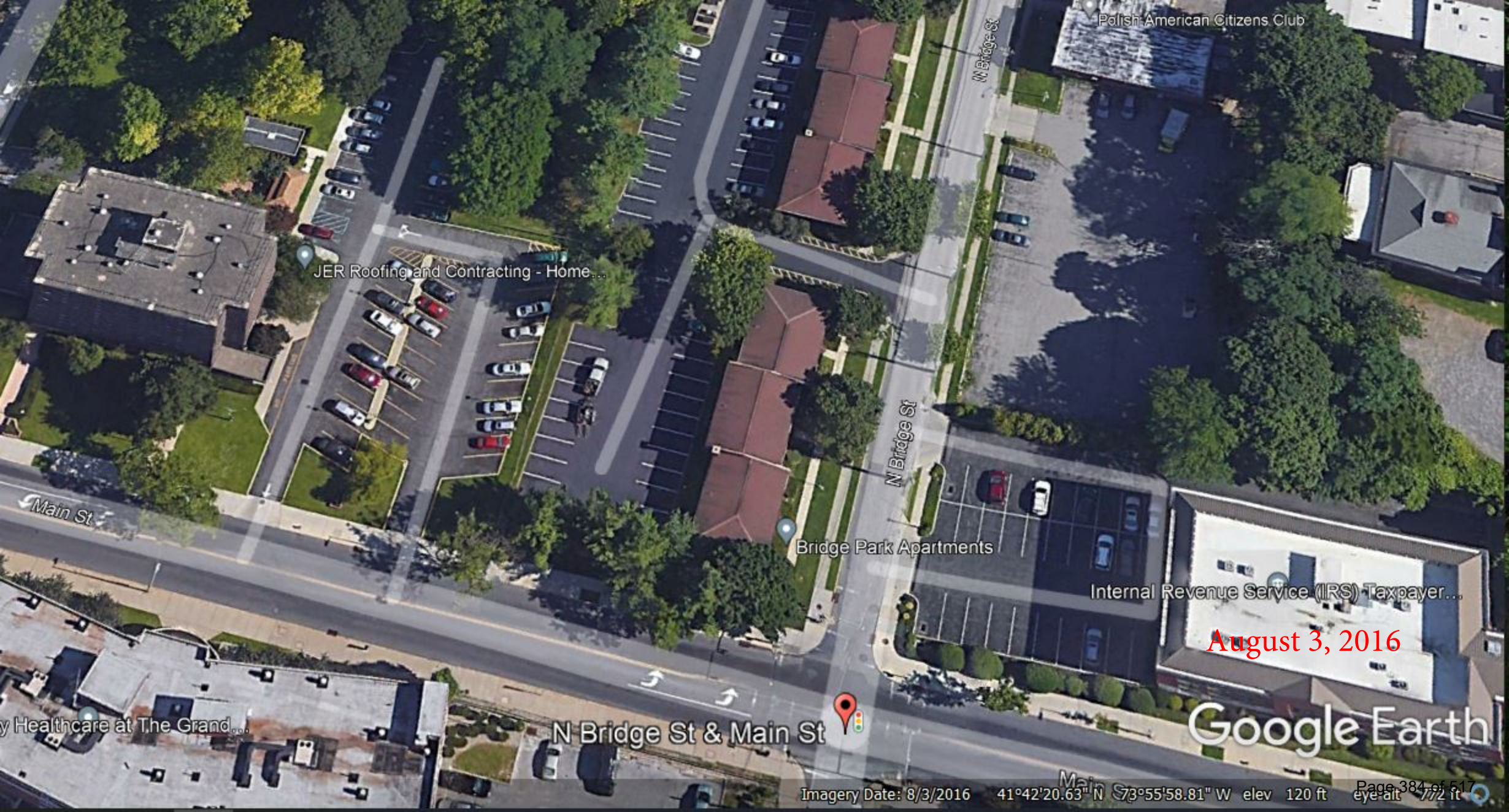
Poughkeepsie Village Apartments
JER Roofing and Contracting - Home...
Polish American Citizen Club
N Bridge St
Main St
Bridge Park Apartments
N Bridge St & Main St
Adult Day Healthcare at The Grand...
The Grand Rehabilitation and...
Image © 2022 New York GIS
March 31, 2004
Google Earth
Imagery Date: 3/31/2004 41°42'20.43" N 73°56'00.61" W elev 120 ft

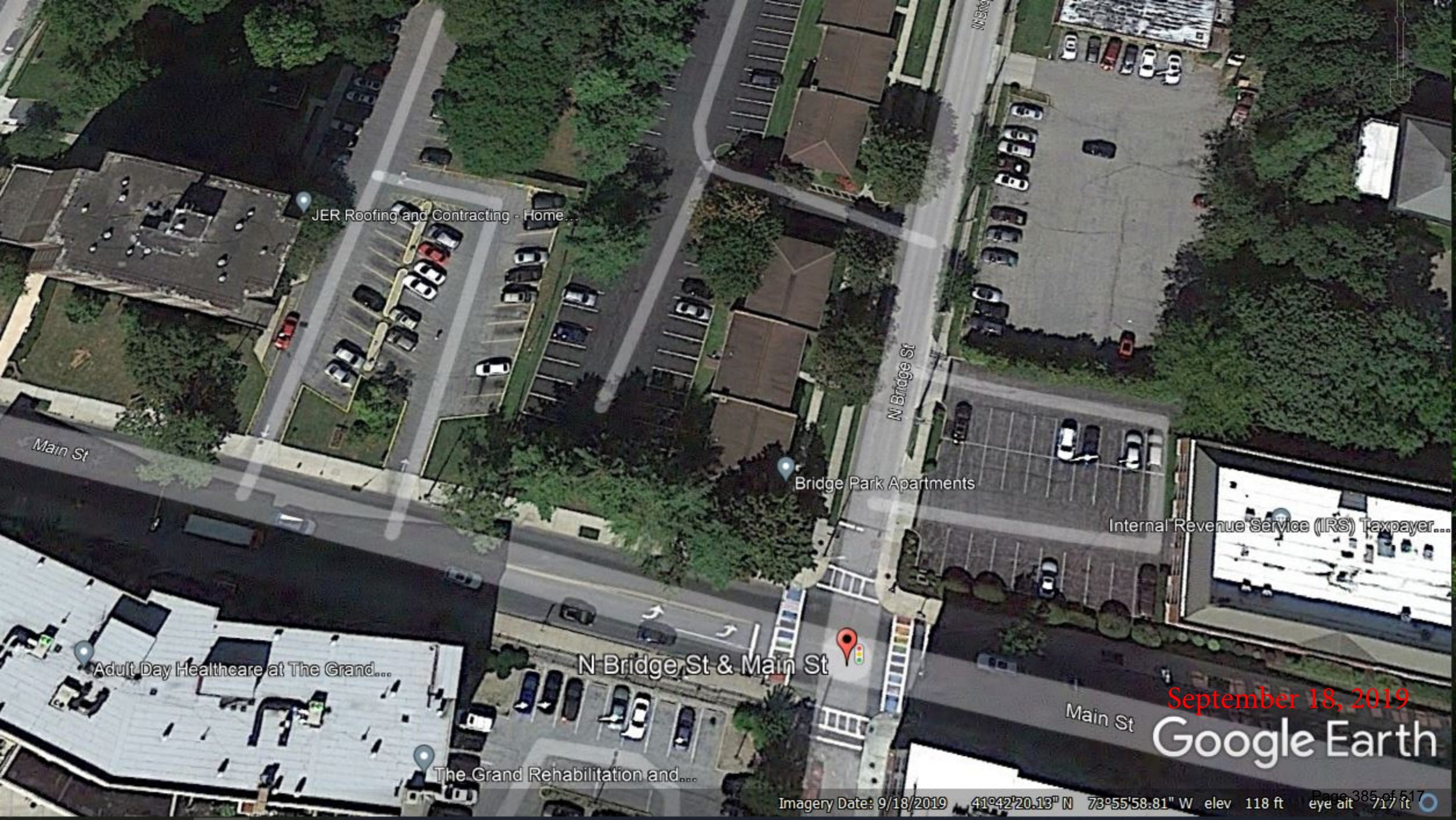
Poughkeepsie Village Apartments
Polish American Citizens
N Bridge St
JER Roofing and Contracting - Home...
Main St
Bridge Park Apartments
N Bridge St
Main St
N Bridge St & Main St
September 30, 2006
Adult Day Healthcare at The Grand...
Image © 2022 Maxar Technologies
Main St
Google Earth
Imagery Date: 9/30/2006 41°42'20.32" N 73°56'00.15" W elev 118 ft eye alt 631 ft


Poughkeepsie Village Apartments
N Perry St
N Perry St
JER Roofing and Contracting - Home...
N Bridge St
Polish American Citizens Club
N Bridge St
Main St
Bridge Park Apartments
Internal Revenue Service (IRS) Taxpayer...
October 7, 2011
Adult Day Healthcare at The Grand...
N Bridge St & Main St
Main St
Google Earth
Imagery Date: 10/7/2011 41°42'21.37" N 73°55'59.58" W elev 116 ft eye alt 948 ft


Poughkeepsie Village Apartments
N Perry St
N Bridge St
Polish American Citizens Club
JER Roofing and Contracting - Home...
N Bridge St
Main St
Bridge Park Apartments
Internal Revenue Service (IRS) Taxpayer...
September 19, 2013
Day Healthcare at The Grand...
N Bridge St & Main St
Main St
Google Earth
Imagery Date: 9/19/2013 41°42'21.37" N 73°55'59.58" W elev 116 ft eye alt 948 ft


N Perry St
JER Roofing and Contracting - Home...
Polish American Citizens Club
N Bridge St
Main St
Bridge Park Apartments
Internal Revenue Service (IRS) Taxpayer...
April 16, 2016
Adult Day Healthcare at The Grand...
N Bridge St & Main St
Google Earth
Imagery Date: 4/16/2016 41°42'20.63" N 73°55'58.81" W elev 120 ft eye alt 772 ft


Polish American Citizens Club
N Bridge St
JER Roofing and Contracting - Home...
Main St
N Bridge St
Bridge Park Apartments
Internal Revenue Service (IRS) Taxpayer...
August 3, 2016
Healthcare at The Grand...
N Bridge St & Main St
Google Earth
Imagery Date: 8/3/2016 41°42'20.63" N 73°55'58.81" W elev 120 ft eye alt 772 ft


JER Roofing and Contracting - Home...
Main St
N Bridge St
Bridge Park Apartments
Internal Revenue Service (IRS) Taxpayer...
Adult Day Healthcare at The Grand...
N Bridge St & Main St
Main St
The Grand Rehabilitation and...
September 18, 2019
Google Earth
Imagery Date: 9/18/2019 41°42'20.13" N 73°55'58.81" W elev 118 ft eye alt 717 ft

135 MAIN ST

- 2016 CIR
- 2015 NAIP
- 2014 TC
- 2014 CIR
- 2013 TC
- 2013 CIR
- 2011 NAIP
- 2009 TC
- 2009 CIR
- 2004 TC
- 2004 CIR
- 2000 TC
- 1995 CIR
- 1990 BW
- **1980 BW**
- 1970 BW
- 1955 BW
- 1940s BW
- 1936 BW

135 MAIN ST

- 2016 CIR
- 2015 NAIP
- 2014 TC
- 2014 CIR
- 2013 TC
- 2013 CIR
- 2011 NAIP
- 2009 TC
- 2009 CIR
- 2004 TC
- 2004 CIR
- 2000 TC
- 1995 CIR
- **1990 BW**
- 1980 BW
- 1970 BW
- 1955 BW
- 1940s BW
- 1936 BW

Aerial Viewer | Dutchess County NY

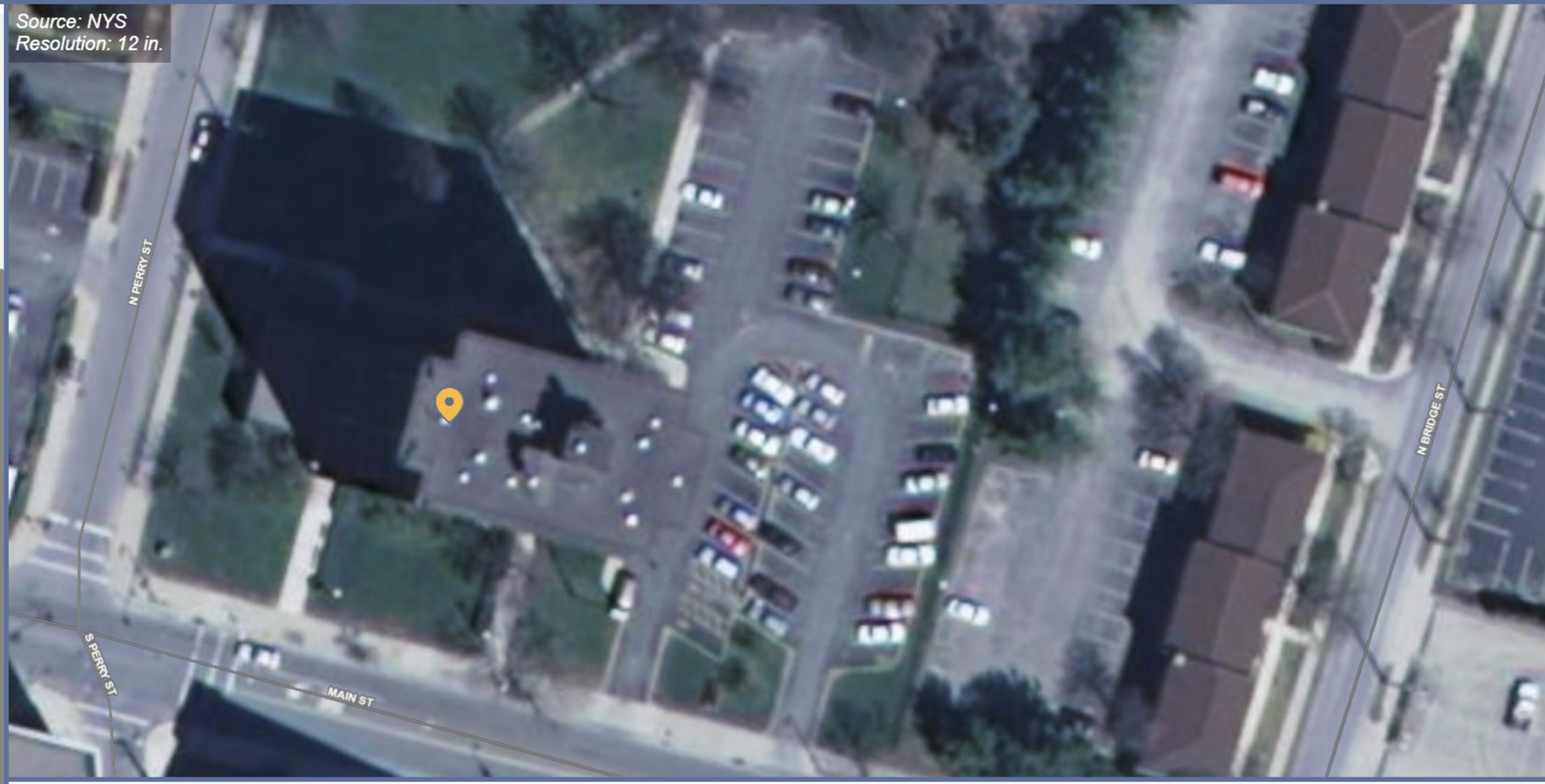
135 MAIN ST

- 2016 CIR
- 2015 NAIP
- 2014 TC
- 2014 CIR
- 2013 TC
- 2013 CIR
- 2011 NAIP
- 2009 TC
- 2009 CIR
- 2004 TC
- 2004 CIR
- **2000 TC**
- 1995 CIR
- 1990 BW
- 1980 BW
- 1970 BW
- 1955 BW
- 1940s BW
- 1936 BW

Aerial Viewer | Dutchess County NY

135 MAIN ST

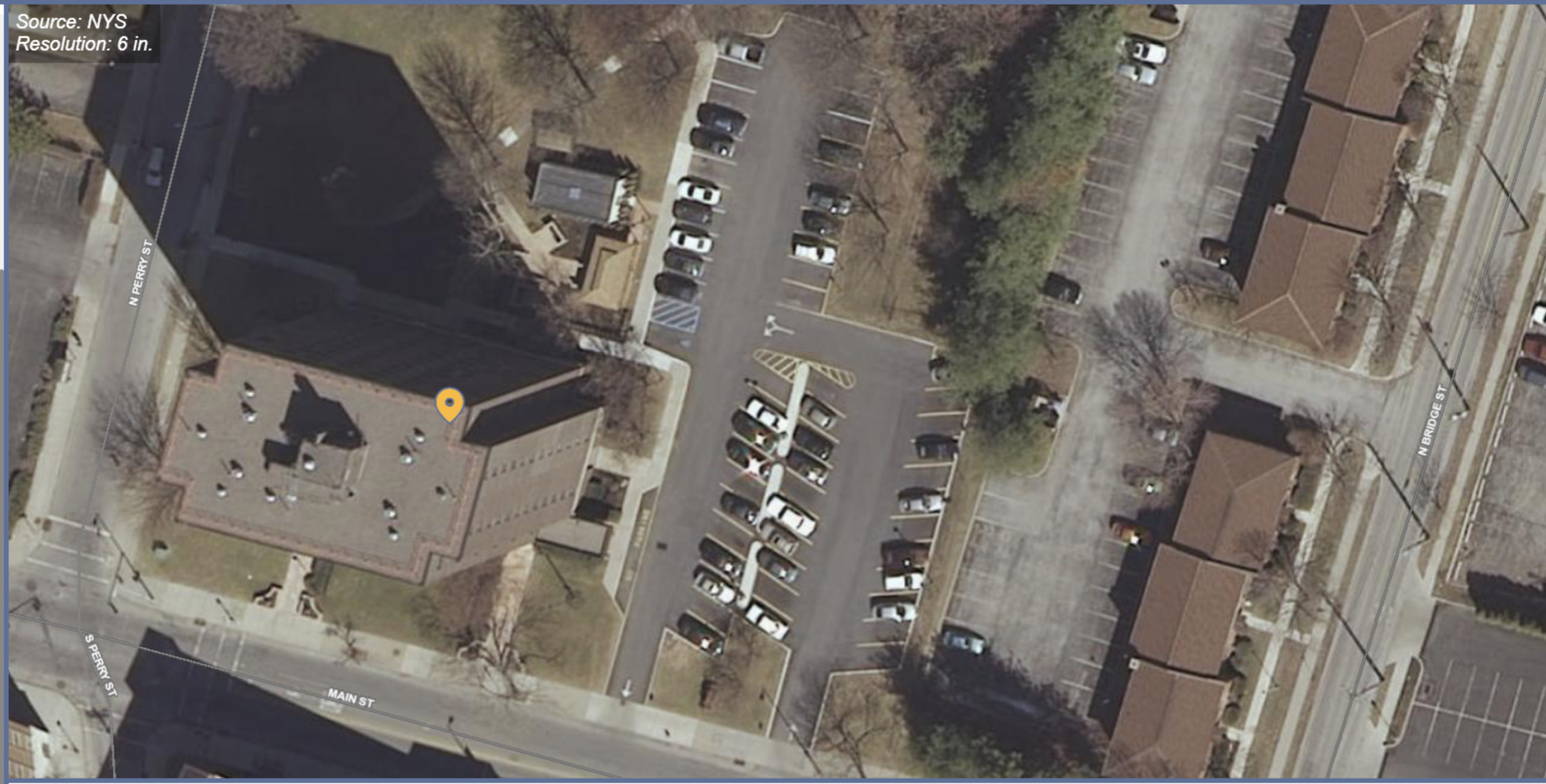
2016 CIR
2015 NAIP
2014 TC
2014 CIR
2013 TC
2013 CIR
2011 NAIP
2009 TC
2009 CIR
2004 TC
2004 CIR
2000 TC
1995 CIR
1990 BW
1980 BW
1970 BW
1955 BW
1940s BW
1936 BW



Aerial Viewer | Dutchess County NY

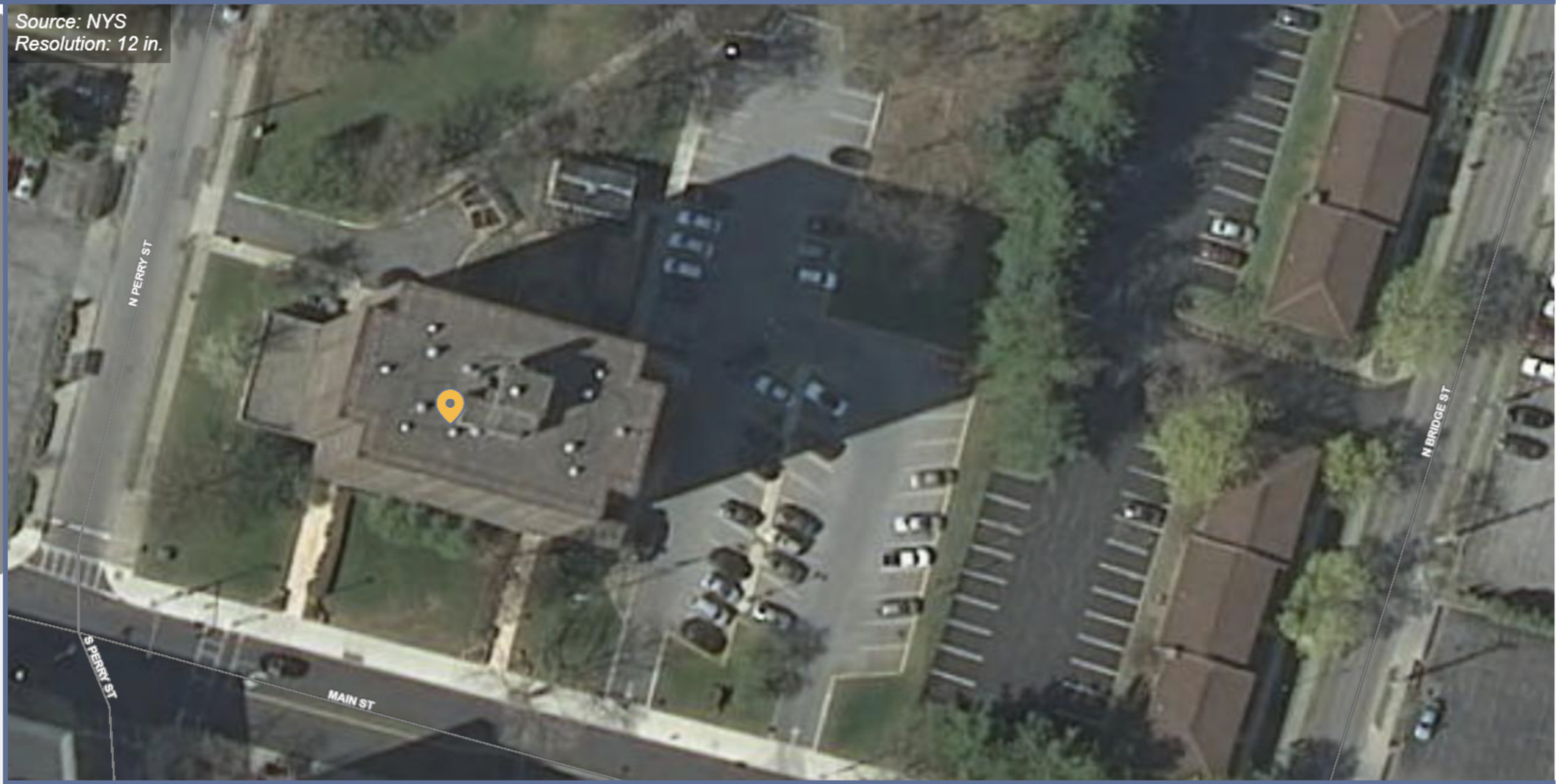
135 MAIN ST

- 2016 CIR
- 2015 NAIP
- 2014 TC
- 2014 CIR
- 2013 TC
- 2013 CIR
- 2011 NAIP
- **2009 TC**
- 2009 CIR
- 2004 TC
- 2004 CIR
- 2000 TC
- 1995 CIR
- 1990 BW
- 1980 BW
- 1970 BW
- 1955 BW
- 1940s BW
- 1936 BW



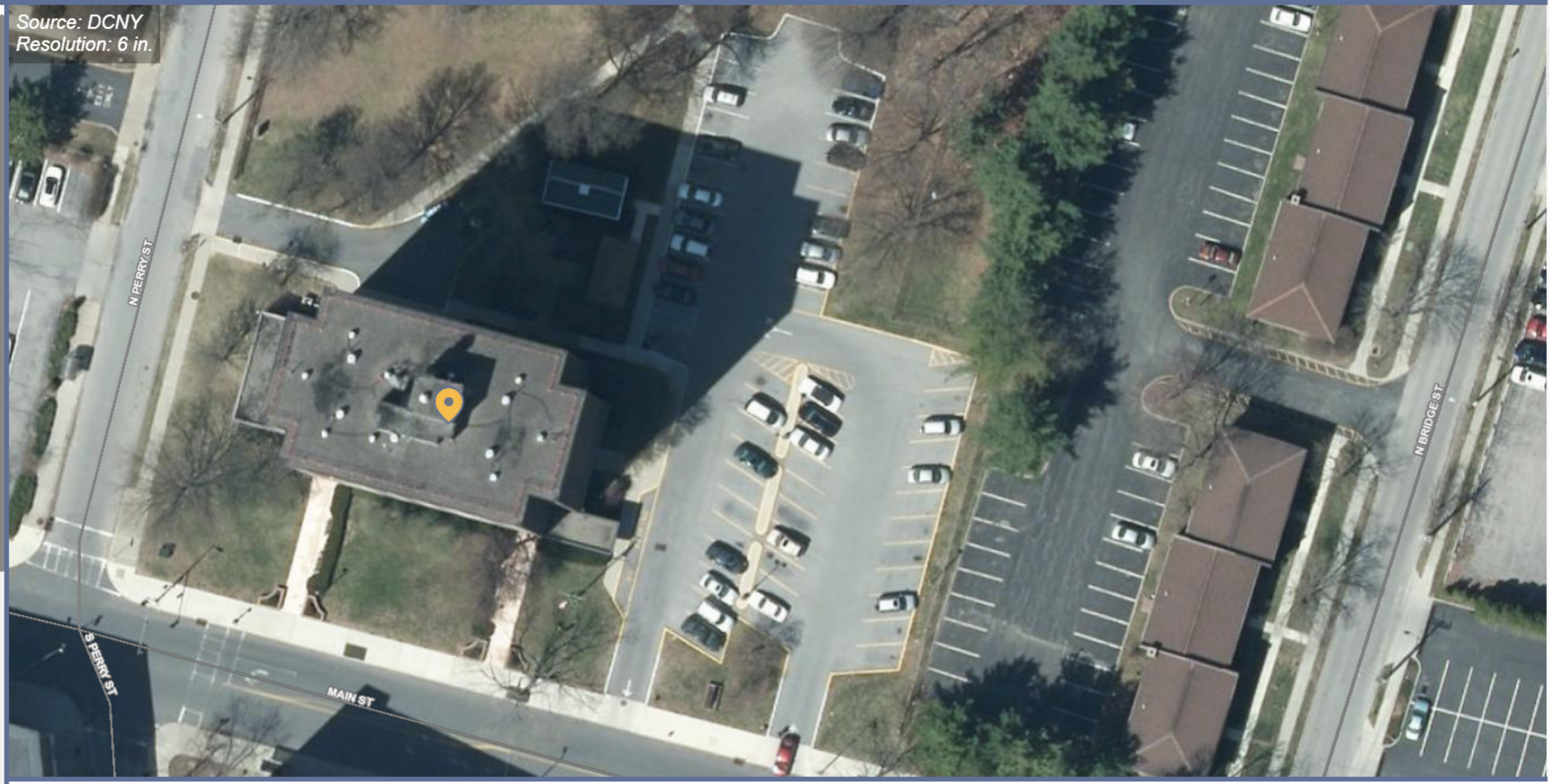
Flights

- 2021 TC
- 2021 CIR
- 2020 TC
- 2020 CIR
- 2019 NAIP
- 2017 NAIP
- 2016 TC
- 2016 CIR
- 2015 NAIP
- 2014 TC
- 2014 CIR
- **2013 TC**
- 2013 CIR
- 2011 NAIP
- 2009 TC
- 2009 CIR
- 2004 TC



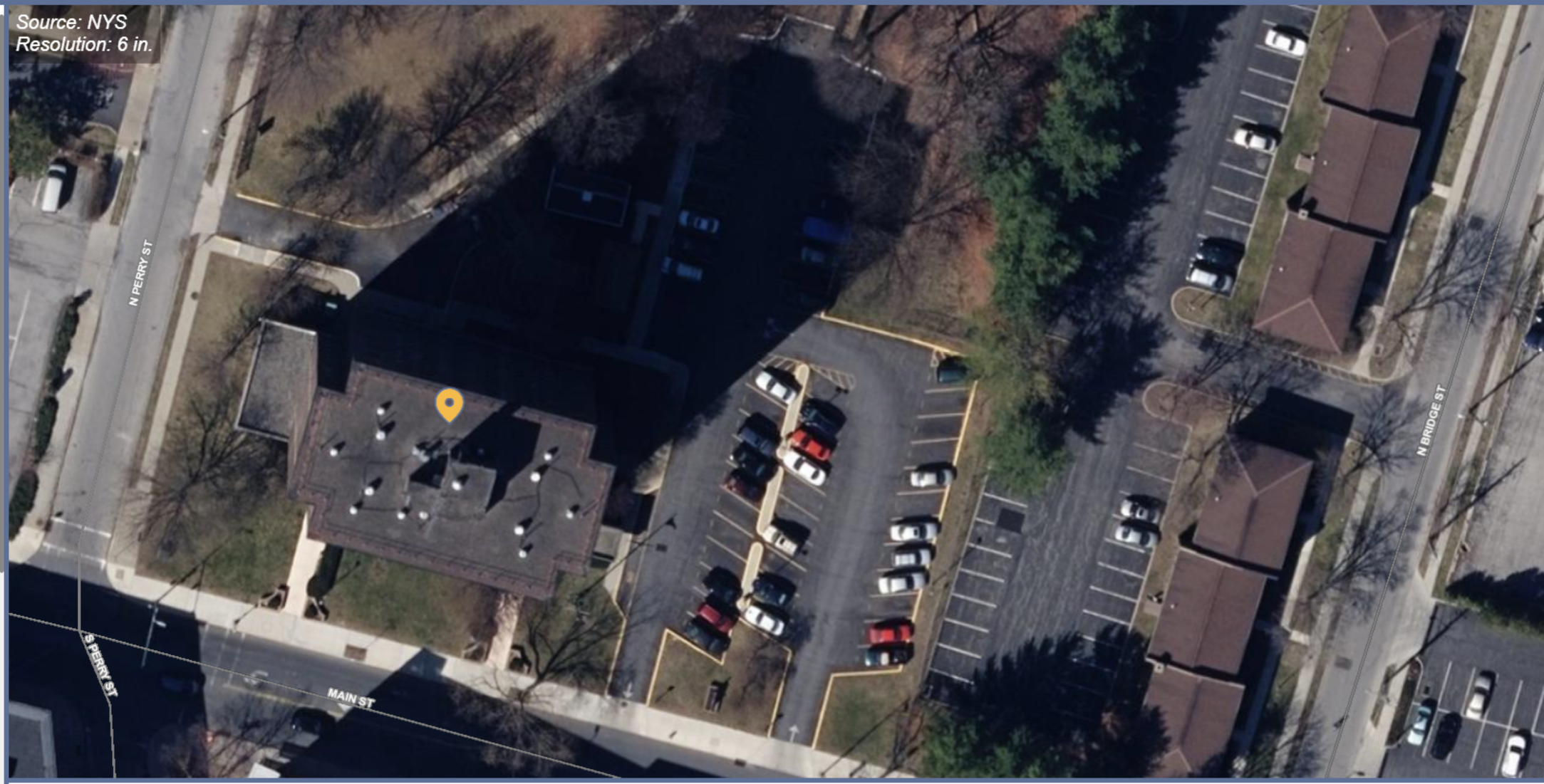
Flights

- 2021 TC
- 2021 CIR
- 2020 TC
- 2020 CIR
- 2019 NAIP
- 2017 NAIP
- 2016 TC
- 2016 CIR
- 2015 NAIP
- **2014 TC**
- 2014 CIR
- 2013 TC
- 2013 CIR
- 2011 NAIP
- 2009 TC
- 2009 CIR
- 2004 TC



Flights

- 2021 TC
- 2021 CIR
- 2020 TC
- 2020 CIR
- 2019 NAIP
- 2017 NAIP
- **2016 TC**
- 2016 CIR
- 2015 NAIP
- 2014 TC
- 2014 CIR
- 2013 TC
- 2013 CIR
- 2011 NAIP
- 2009 TC
- 2009 CIR
- 2004 TC

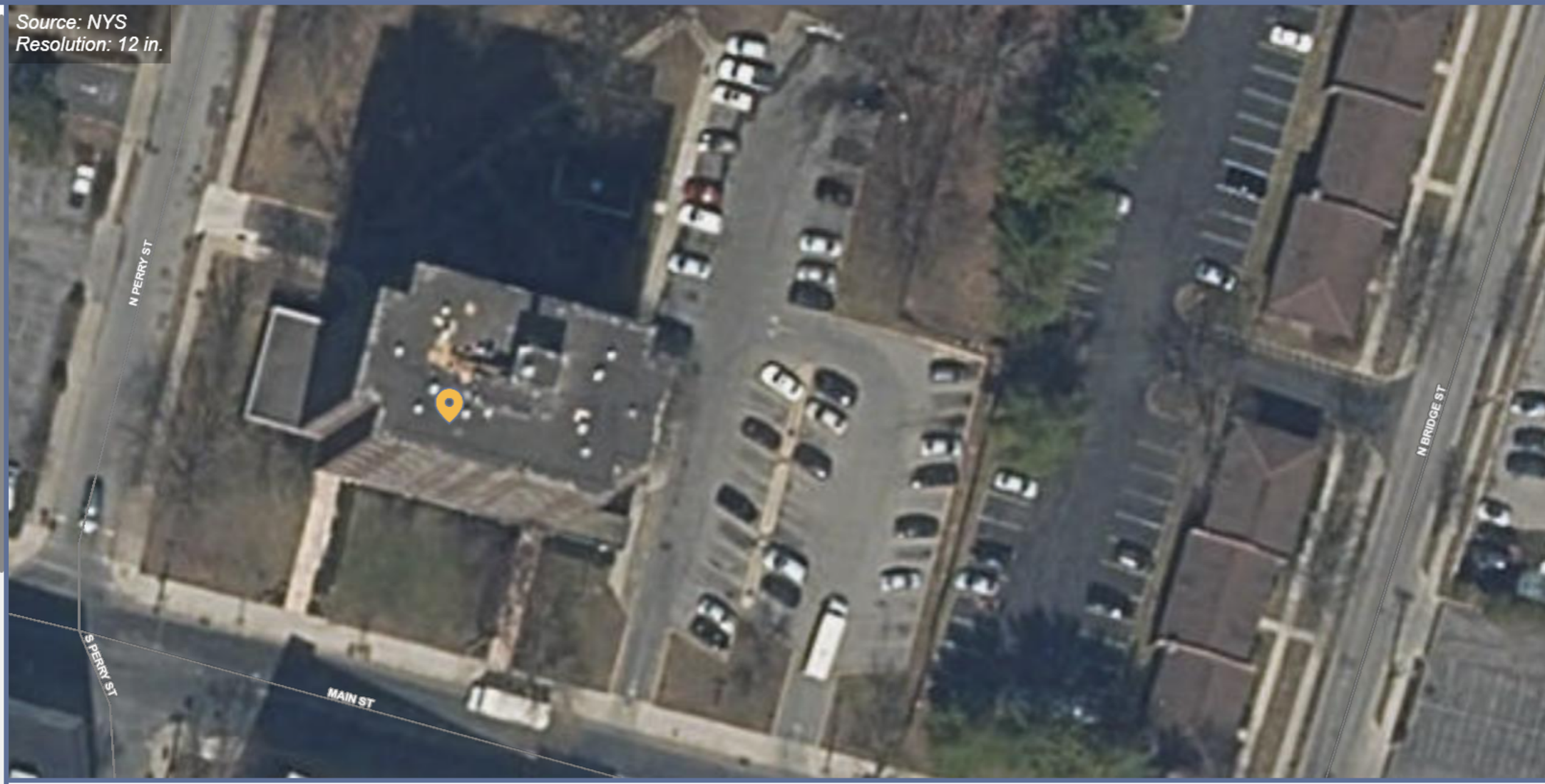


Flights

- 2021 TC
- 2021 CIR
- **2020 TC**
- 2020 CIR
- 2019 NAIP
- 2017 NAIP
- 2016 TC
- 2016 CIR
- 2015 NAIP
- 2014 TC
- 2014 CIR
- 2013 TC
- 2013 CIR
- 2011 NAIP
- 2009 TC
- 2009 CIR
- 2004 TC

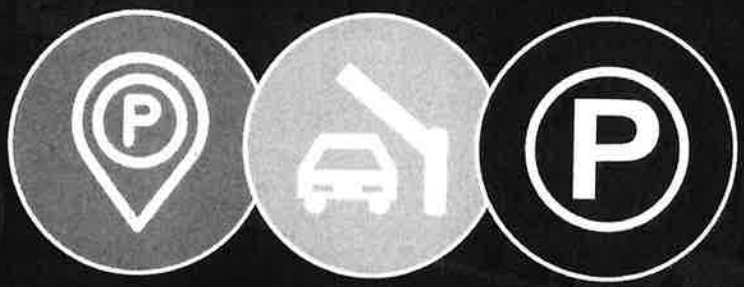
Flights

- **2021 TC**
- 2021 CIR
- 2020 TC
- 2020 CIR
- 2019 NAIP
- 2017 NAIP
- 2016 TC
- 2016 CIR
- 2015 NAIP
- 2014 TC
- 2014 CIR
- 2013 TC
- 2013 CIR
- 2011 NAIP
- 2009 TC
- 2009 CIR
- 2004 TC



Admiral Halsey II

Appendix D | ITE Parking Rates



Parking Generation Manual

5th Edition

JANUARY 2019

INSTITUTE OF TRANSPORTATION ENGINEERS

Land Use: 221 Multifamily Housing (Mid-Rise)

Description

Mid-rise multifamily housing includes apartments, townhouses, and condominiums located within the same building with at least three other dwelling units and with between three and 10 levels (floors) of residence. Multifamily housing (low-rise) (Land Use 220), multifamily housing (high-rise) (Land Use 222), and affordable housing (Land Use 223) are related land uses.

Time of Day Distribution for Parking Demand

The following table presents a time-of-day distribution of parking demand on a weekday (one general urban/suburban study site), a Saturday (two general urban/suburban study sites), and a Sunday (one dense multi-use urban study site).

	Percent of Peak Parking Demand		
Hour Beginning	Weekday	Saturday	Sunday
12:00–4:00 a.m.	100	100	100
5:00 a.m.	94	99	–
6:00 a.m.	83	97	–
7:00 a.m.	71	95	–
8:00 a.m.	61	88	–
9:00 a.m.	55	83	–
10:00 a.m.	54	75	–
11:00 a.m.	53	71	–
12:00 p.m.	50	68	–
1:00 p.m.	49	66	33
2:00 p.m.	49	70	40
3:00 p.m.	50	69	27
4:00 p.m.	58	72	13
5:00 p.m.	64	74	33
6:00 p.m.	67	74	60
7:00 p.m.	70	73	67
8:00 p.m.	76	75	47
9:00 p.m.	83	78	53
10:00 p.m.	90	82	73
11:00 p.m.	93	88	93

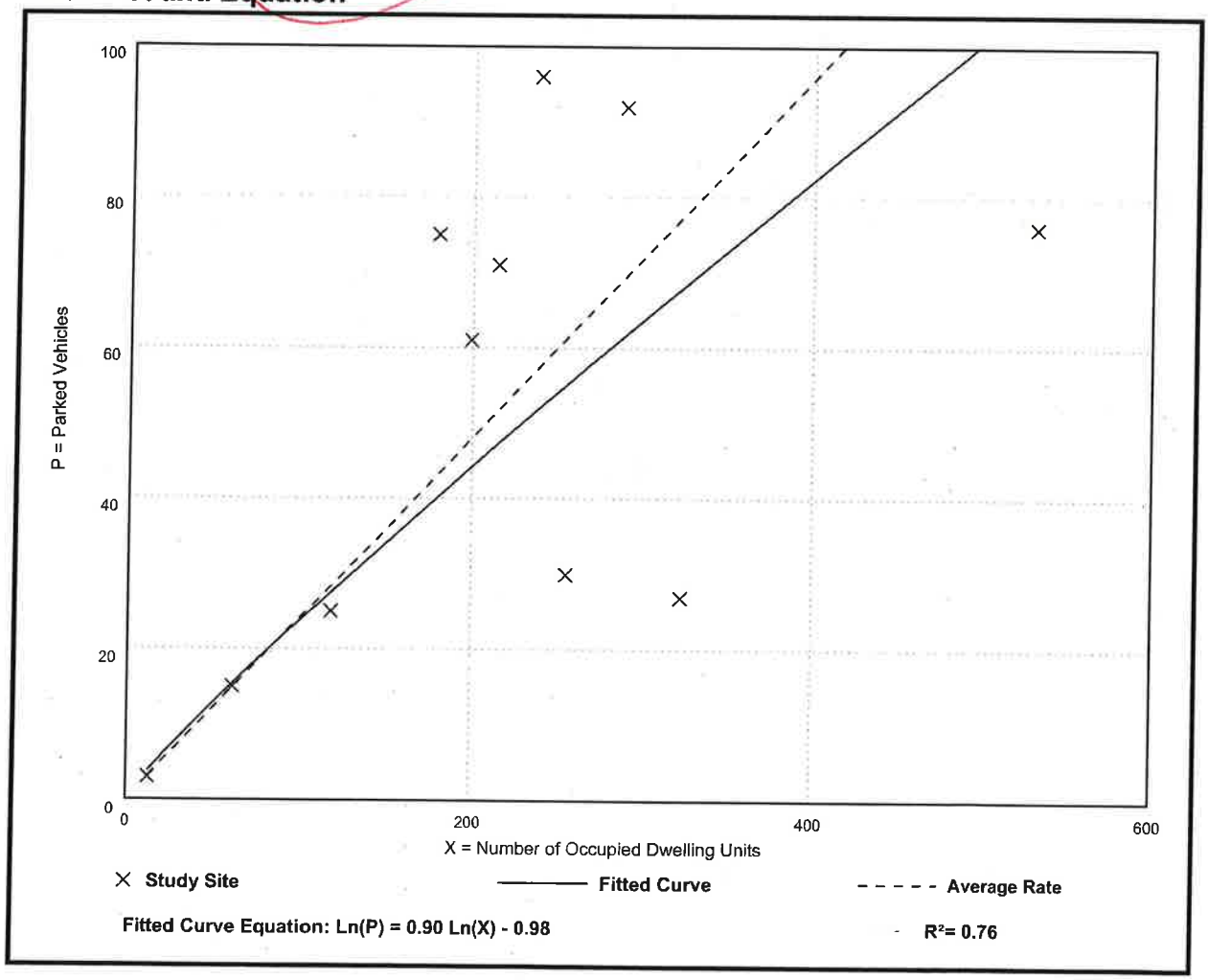
Multifamily Housing (Mid-Rise)
(221)

Peak Period Parking Demand vs: Occupied Dwelling Units
On a: Weekday (Monday - Friday)
Setting/Location: Center City Core
Peak Period of Parking Demand: 10:00 p.m. - 5:00 a.m.
Number of Studies: 11
Avg. Num. of Occupied Dwelling Units: 220

Peak Period Parking Demand per Occupied Dwelling Unit

Average Rate	Range of Rates	33rd / 85th Percentile	95% Confidence Interval	Standard Deviation (Coeff. of Variation)
0.24	0.08 - 0.42	0.21 / 0.41	***	0.12 (50%)

Data Plot and Equation



Colliers Engineering & Design

Admiral Halsey II

Appendix E| Hudson River Housing, Inc. Letter

Hudson River Housing, Inc.

313 Mill Street
Poughkeepsie, NY 12601
(845) 454-5176 (P)
(845) 485-1641 (F)
www.hudsonriverhousing.org

NeighborWorks® CHARTERED MEMBER

Board of Directors

President
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Vice-President
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Charles Nicols
Tom Pape
Diane Ruffin
Carol Stevens
Lorna Thompson
Norma Vizcarondo
Thomas Zurhellen

Executive Director
Christa Hines

July 26, 2022

Scott Parker, Chairperson
City of Poughkeepsie Zoning Board of Appeals
Municipal Building, P.O. Box 300
Poughkeepsie, NY 12602

RE: ZBA Request for Information May 10, 2022, Admiral Halsey II

Dear Mr. Parker,

The ZBA has requested additional information concerning which of the identified groups will be served at the Admiral Halsey II building, and to address the relevance, if any, of the ESSHI tenant population on parking demand for the building, whether by explicit restriction on car ownership, or by practice.

Hudson River Housing, Inc. (HRH) administers numerous housing opportunities across Dutchess County and beyond that assist low- and moderate-income households in securing safe and affordable housing. One resource that assists us in doing this is New York State's Empire State Supportive Housing Initiative (ESSHI). This Initiative serves various specific vulnerable populations who face housing insecurity.

HRH will be supporting the residents of thirty-six (36) apartments at Admiral Halsey II through ESSHI. These residents will meet the State's criteria for what is characterized as "Frail Elderly/Senior". The State defines this as "any person who is age 55 or older, who is enrolled in Medicaid and requires assistance with one of more activities of daily living". All residents of Admiral Halsey II are required to be 62 years of age or older. The remainder of the apartments in Admiral Halsey II will be occupied by income eligible seniors. It should be noted that both the ESSHI frail elderly/senior apartments and the income eligible senior apartments are independent living units, not assisted living.

None of the Admiral Halsey II residents will be restricted as to car ownership. However, our long experience housing seniors has shown that the traditional demand for parking is greatly diminished for these residents due to a higher propensity of eyesight & mobility issues, as well as limited means to maintain a car and insurance. To mitigate this, HRH's plans for Admiral Halsey II include acquiring a van and providing a full time driver to provide transportation for residents seven days a week to get to medical appointments, shopping, leisure, etc. Residents will not be dependent on a car to get where they need to go. This service will not be exclusive to the ESSHI residents, but all the residents of Admiral Halsey II.

There has been some public comment that the ESSHI residents will be primarily served by outside aides who will put additional pressure on parking demand, we do not anticipate this. As noted

above, the ESSHI apartments are independent living units, not assisted living. Assisted living units require a much higher level of care than those residing in the ESSHI units. Additionally, HRH's staffing plan for Admiral Halsey II includes a Care Manager on site 8 hours a day, seven days a week. The Care Manager will assist the ESSHI residents with any daily activities that they struggle to perform themselves. This could include housekeeping, preparing meals and personal hygiene. The goal of this Initiative in serving the Frail Elderly/Senior population is to keep these residents living independently by promoting a safe and healthy environment and providing staff to deliver in-house programs and services to keep our residents engaged and as active as possible. Any need for a high-level of outside care would impact a resident's eligibility to continue as an ESSHI participate and likely indicate a need for a move to an assisted living facility.

Should you require any additional information, please don't hesitate to reach out. Thank you.

Sincerely,

Mary Linge

Mary F. Linge
Director of Real Estate Development

Definition of Disabled:

DEFINITION OF DISABLED
A disabled person is defined in 24 CFR Section 912.2(a) as an individual who is under a disability as defined in Section 223 of the Social Security Act or in Section 102 (b)(5) of the Developmental Disabilities Services and Facilities Construction Amendments of 1970.

Section 223 of the Social Security Act defines disability as:
Inability to engage in any substantial, gainful activity by reason of any medically determinable physical or mental impairment which can be expected to result in death or which has lasted or can be expected to last for a continuous period of not less than 12 months; or

In the case of an individual who has attained the age of 55 and is blind (within the meaning of "blindness" as defined in Section 416(i)(1) of this title), inability by reason of such blindness to engage in substantial gainful activity requiring skills or abilities comparable to those of any gainful activity in which he has previously engaged with some regularity and over a substantial period of time."

THE CITY OF POUGHKEEPSIE
FIRE DEPARTMENT

505 MAIN STREET
POUGHKEEPSIE, NY 12601
TEL: 845-451-4079 FAX: 845-451-4191
FIRE CHIEF JOSEPH FRANCO

Date: September 7, 2022
Subj: 135 Main Street project at rear of property

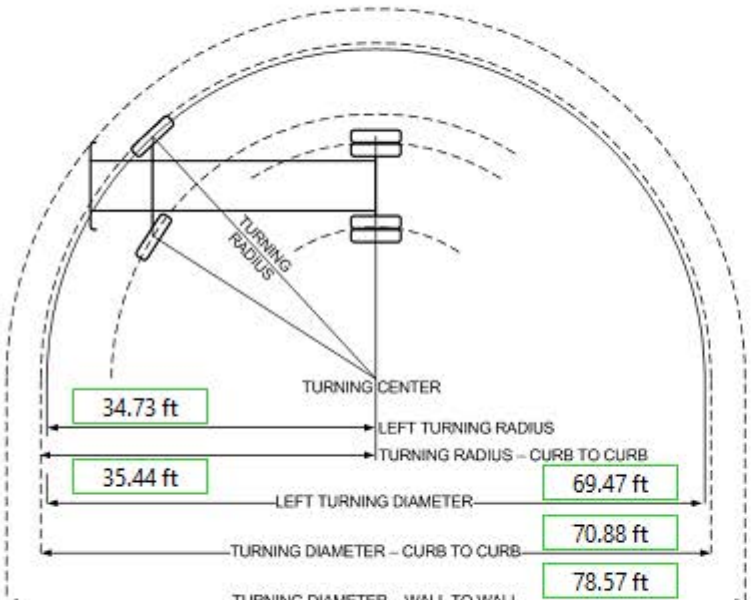
The following are my current concerns regarding what I know of this project.

Where is water being sourced for sprinkler and standpipe? North Perry Street does not have the capacity to provide enough water for this project. Tapping the water mains at Main Street would be the alternative.

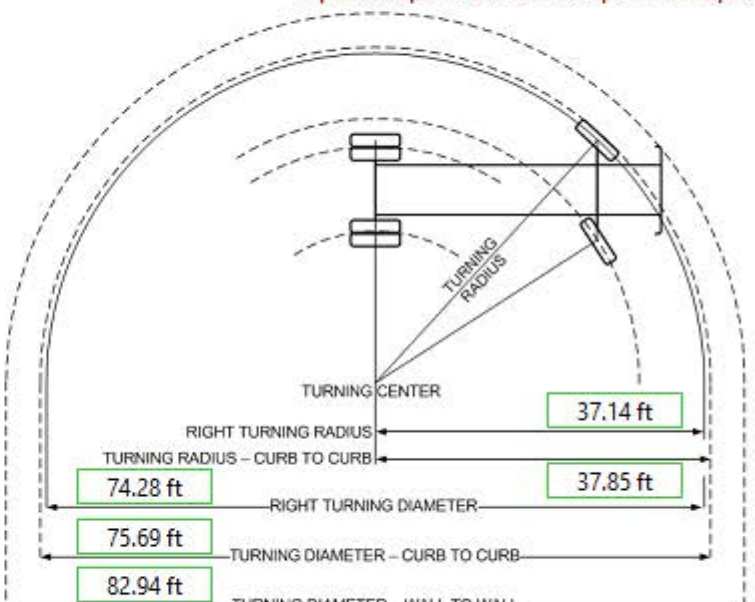
Please use the Fire Department turning specs and dimensions for Tower Ladder 2, these are the most restrictive of all of our apparatus. It will be necessary to be able to access this project from all sides given its height and set back away from City streets.

Thank You,

Joseph Franco
Fire Chief



This turning radius calculation is incomplete due to addition of an unpublished option. Please submit to Spartan for completion.



The turn radius is an estimate given for reference only. Real world results depend on tire type, speed, weight distribution, alignment, mfg. tolerance stackups, turn stop settings, etc. The chassis manufacturer makes no claim as to the accuracy of this tool.

APPLICATION TO THE PLANNING BOARD
CITY OF POUGHKEEPSIE, NEW YORK

Application for Site Plan, Special Permit & Facade Approval

OFFICE USE ONLY

CODE: PLSF

ID #RB2022-020

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:** 117 N. Hamilton Strreet

II. **PROPERTY OWNER:** See Attachment A
ADDRESS: _____

_____

_____ (state and zip code)

PHONE NUMBER: _____ (include area code)

III. **NAME OF APPLICANT:** Baxter Development Corp. Attn: Eric Baxter

ADDRESS: 278 Mill Street, 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:** Rohde, Soyka & Andrews, Consulting Engineers, PC

ADDRESS: 40 Garden Street

Poughkeepsie

NY 12601 (state and zip code)

PHONE NUMBER: 845-452-7515 (include area code)

V. **PROPOSED USE or FAÇADE CHANGE** (Summarize proposed use or uses):_____

Wholesale storage, warehousing, manufacturing, creative, retail, contracting businesses

VI. **ZONING DISTRICT:** I-1

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

RECEIVED

JUN – 6 2022

Revised January 2018: Previous Editions Obsolete

APPLICATION TO THE PLANNING BOARD
CITY OF POUGHKEEPSIE, NEW YORK

Application for Site Plan, Special Permit & Façade Approval
Attachment A

OWNERSHIP:

- PARCEL: 266293
  117 N Hamilton, LLC
  186 Cottage Street
  Poughkeepsie, 12601
  Size: 0.43 Acres
  Telephone : 845-465-0207
  Email: truforminc@verizon.net

- PARCEL: 271278
  North Hamilton Parcel, LLC
  278 Mill St., Suite 100
  Poughkeepsie, NY 12601
  Size: 1.20 Acres
  Telephone: 845-471-1047
  Email: eric@baxterbuilt.com

PROJECT INFORMATION

New construction: X (yes)_____ (no)

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

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

Alteration:_____ (yes) _____ (no)

Cost of Construction: $_____

LOT AND BULK INFORMATION:

Lot area: 1.63 (acres) 71,003 (square feet)

Building Footprint: 19,957 (proposed square feet for new construction)

_____ (existing square feet for change of use/expansion)

_____ (additional proposed square feet for expansion)

_____ (total building footprint, square feet)

Lot Coverage: 28 (percentage, building coverage only)

Gross Floor Area: 23,422 (proposed square feet for new construction)

_____ (existing square feet for change of use/expansion)

_____ (additional proposed square feet for expansion)

_____ (total gross floor area, square feet)

Building Height: 1 (stories) 32 (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: 24

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

C) Waiver Requested: _____ (Yes) X (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) _____ (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: _____

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: WAREHOUSE

B) Number of shifts (if any): ONE

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

E) Number of work bays (if automobile repair): NA - NOT APPLICABLE

F) Days/Hours of operation: 6 DAYS PER WEEK - 8-10 HOURS PER DAY 7a-5p

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, _____, 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.

_____ 6/1/22

Signature of Applicant Date

BAXTER

DEVELOPMENT

September 20, 2022

The City of Poughkeepsie New York Planning & Zoning
62 Civic Center Plaza, 2nd Floor
Poughkeepsie, NY 12601

Re: 117 North Hamilton Street

To Whom it may concern,

We write to you regarding our upcoming project at 117 North Hamilton Street and in response to the Engineering, Fire Dept and Architectural feedback posed for our team coming out of the last submission to the Planning Board in July 2022.

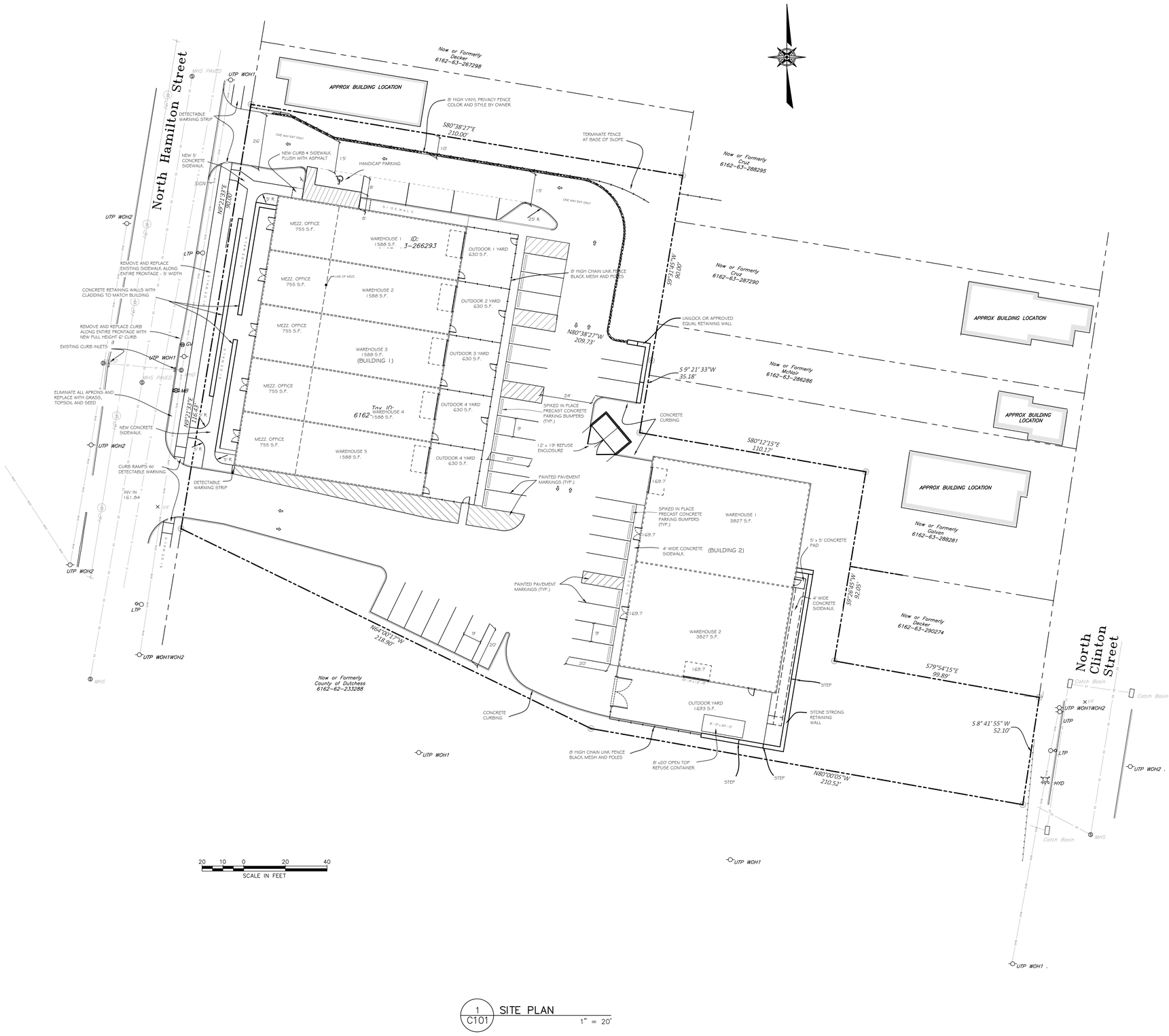
This feedback has been addressed and incorporated into the following revised drawings:

- Site plan
- Landscape plan
- Utility plan
- Erosion plan
- Renderings
- Elevations
- ESC details
- Detailed drawings (highlight catch basin, storm sewer, manholes, erosion control, retaining wall, valve box & curb cut, sidewalk)

If anything still remains unclear after your review of the submitted materials, please let us know.

Eric Baxter

Vice President
Baxter Development Corp.



1 C101 SITE PLAN
1" = 20'

NO.	DATE	REVISION	BY
4	9/2/22	PER COMMENTS/ SITE CHANGE	JVA
3	8/4/22	PER COMMENTS	JVA
2	7/5/22	PER CITY COMMENTS	JVA
1	5/3/22	PER COMMENTS	JVA

NORTH ARROW

© Alteration of this drawing, except by a Licensed Professional Engineer or Architect is illegal. Add alterer's name, address and date of alteration.
• The user of this drawing shall verify all dimensions shown hereon and shall report any discrepancies to the author of this drawing.
• This line is one inch long

DRAWN BY: KMC
CHECKED BY: JVA
DATE: JULY 22, 2022
SCALE: 1" = 20'

ROHDE, SOYKA & ANDREWS
Consulting Engineers PC
40 Garden Street Poughkeepsie, N.Y. 12601
(845) 452-7515
Fax: (845) 452-6525

117 NORTH HAMILTON
NORTH HAMILTON STREET
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NEW YORK

SITE PLAN

PROJECT NUMBER: 21-786-01

DRAWING NUMBER: C101
2 OF 10

DEVELOPMENT

June 1, 2022

City of Poughkeepsie Planning Board
62 Civic Center Plaza
2nd Floor
Poughkeepsie, NY 12601

Re: 117 North Hamilton Street

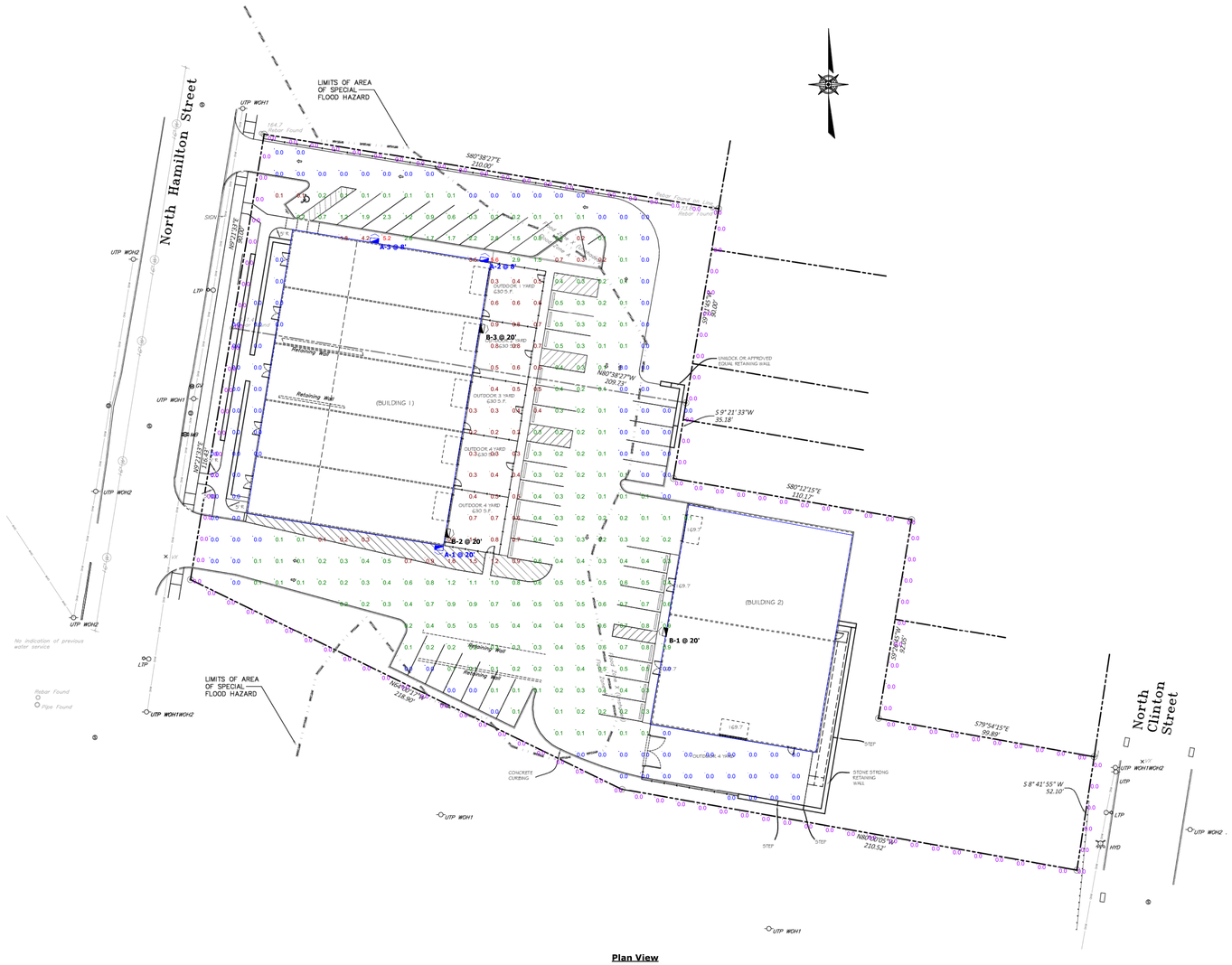
To Whom it may concern,

We write to you regarding our upcoming project at 117 N Hamilton Street and in response to the questions and comments posed by the Planning Board.

Attached are the updated drawings to reflect our responses to the comments and questions from the planning board.

Thank you,

Eric Baxter
Vice President
Baxter Development Corp.



Plan View
Scale - 1" = 30ft

Note
Acuity Brands Lighting Inc. This document contains confidential and proprietary information of Acuity Brands Lighting. This document may only be used by or for the benifit of Acuity Brands Lighting's representitives and Customers.
This application design is not a professional engineering drawing and the design, including reported data and calulated results, is provided for informational purposes only,without any warrenty as to accuracy, completeness, safety or otherwise. The design is the result of calculations made using Visual lighting application software, photometric/radiometric data measured in a labrarory, and certian computational and modeling assumptions.
Far-field photometric/radiometric data may have been used to perform one or more calculations. Photometric/radiometric data is typically collected under far-field measurement conditions;far-field data is generally not representitive of near-field geometric conditions. When using the far-field photometric/rodiometric data, the Visual software applies certian generallizing assuptions to approximate near-field performance.. These assumptions may result in significant inaccuracies in individual calculated luminous and/or radiant power quantities in areas where a source is in close proximity to a particular surface or pont.
The modeling of radiant flux exchange used in the Visual software requires a uniform exitance accross each reflecting surface. The Visual software approximates the uniform surface exitance condition by adaptively subdividing surfaces with non-uniform exitance into subsurfaces with sufficently uniform exitance gradiant. Practical restrictions, due to computer hardware limitations, may prevent the subdivision procedure from subdividing surfaces with high exitance gradients into subsurfaces with sufficiently uniform exitance gradients, introducing potential discretization error into the calculated values.
Calulations performed by Visual softwarw assume that all reflected flux is reflected in a perfectly diffuse(Lambertian) and spectrally uniform manner across the spectral range being analyzed. If actual reflectance characteristics differ from these assumptions, observed luminous and/or radiant power quantities may differ from the predicted quantities.
As a result of the computional limitations and simplifying modeling assumptions described above,and/or variations in actual product performance from tested product samples, the accuracy of calculated outut values identifying expected radiometric quantities and any resulting derived radiation dose calculation may be adversely affected.
In addition, the accuracy of the application design may be adversely affected if information about the physical space provided to Acuity Brands Lighting is incomplete, inaccurate, outdated or not in the required format (includiing but not limited to floor plans, space layout, reflected ceiling plans, physical structures, electrical design or specifications) if incorrect assumptions are made because of because such are not appropriate for the space. Furthermore, actual actual field performance may differ from performance calculated using laboratory measurement as a result of miscalculations related to defiiciencies in the information provided about the physical space, degregation factors in the end-user enviroment(including, but not limited to, voltage variation and dirt accumulation), or other possible variations in field conditions. Finially, lamp lumen depriciation and/or depriciation in lamp radiant intensity may result in performance over time that differs performance calculated using a new lamp. Light loss factors may have been used in the application design to estimate such depreciation, but flaws in these estimates may also result in performance over time that differ from the calculated performance.
It is the obligation of the end-user to consult with appropriately qualified Proffesional Engineer (s) to determine whether this application design meets the applicable requirements for performance,code compliance, safety,suitabilty and effectiveness for use in a particular application. In no event will Acuity Brands Lighting be responsible for any loss resulting from any use of this design.

HOLOPHANE
LEADER IN LIGHTING SOLUTIONS

Catalog Number:
Notes:
Type:

HLWPC2
Wallpack® Full Cutoff LED

Mechanical
- Heavy gauge A360 cast aluminum (aluminum with < 1% copper)
- Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering
- Mounts to a standard 4-inch J-box
- Swivel kit for pendant mount applications mounts to 4" recessed J-box
- Wet location listed
- IP65 rated housing, down light only
- Knockouts for conduit entry (1/2", 3/4", 1") on each side and top, accepts ¾" add-'l" conduit
- ¼" threaded plugs are pointed on each side
- Vibrating for surface mount: SJ.
- Vibrating for pendant mount: SK or L7, excludes swivel kit
- Bird-tread for pendant mount

Electrical
- Suitable for UL or CSA
- Rated for -40°C (-40°F) minimum ambient.
- A programmable electronic driver within 0-10V control loads
- Available in 120-277V 50/60Hz and 347-480V 50/60Hz.
- Standard LED's shall have a minimum of 70 CRI available in 3000K, 4000K and 5000K CCT
- Amber LED option shall limited wavelength amber and no phosphor corrected ambers 3 weeks at least 40 hours
- Operating temperature: Luminaire operating temperature in an ambient temperature ranging from -30°C (-4°F) to 50°C (86°F), available with P10 thru P40 performance packages, non-CCI compliant.
- The electronic system for a single circuit shall be designed to meet ANSI/IEEE C62.41.2 and includes a 20kV/10kA (standard) with an optional 10kV/5kA surge protection

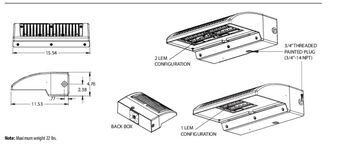
Optical
The tight engine housing is IP66 rated. The acrylic optical system consist of the following LS. distribution:
- Type II (vertic), III (medium), IF (rectangle) & M (wide)
- Asymetric

Controls
- Field adjustable output (AO)
- Bi-level with photocontrol (PE)
- Button sensor & ambient photocontrol combination for mounting hei- ght 9'-16' (3M-5C) and high (15'-30') (M6SPC) mounting heights

Certifications and Standards
- Luminaire shall be UL or CSA listed per CSA luminaire standards
- Suitable for operation in an ambient temperature up to 40°C/104°F per UL or CSA certification
- Design lights Consortium® (DLC qualified product. Not all versions of this product may be DLC qualified. Please check the DLC website to confirm which version comply.Only DPA luminaires with 4 lenses are qualified.
- LM-79 compliant
- The projected LED Lumen Maintenance shall be based only on IES LM-80-08 and TM-21

Warranty
5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/CustomerResources/Terms_and_conditions.asp

Note: Actual performance may differ as a result of end-user environment and application.
All values are design or typical values, measured under laboratory conditions at 25 °C.
Specifications subject to change without notice.



Note: Maximum weight 22 lbs.

AcuityBrands. | Holophane | 1925 Columbia Rd, Granville, OH 43023 | Phone: 866.4HOPHANE | www.holophane.com | 8/29/12
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Note
Please note this analysis does not comply with IESNA RP-8-18 levels for parking and pedestrian safety. Acuity Brands Lighting will not be liable for any issues that may arise from the installation of this design. An alternative design can be provided if requested through your acuity Agent.

Note
Background Image Disclaimer
Please note this design utilizes an image format or converted image such as a PDF or JPEG formats for the background shown. These types of formats can vary in accuracy and possibly resulting in deficiencies of actual readings in the field. Acuity Brands strongly suggest the use of Auto Cad formats for all design request.

Note
1. Readings shown are based on a total LLF of as shown at grade. Data references
the extrapolated performance projections in a 25c ambient based on 10,000 hrs of
LED testing (per IESNA LM-80-08 and projected per IESNA TM-21-11).
2. Please refer to the "luminaire locations" table for mounting heights.
3. Product information can be obtained at www.Acuity Brands.com

Luminaire Locations

No.	Label	Location X	Y	Z	MH	Orientation	Tilt
1	A	89.00	-13.00	20.00	20.00	186.34	0.00
2	A	110.00	121.00	8.00	8.00	9.46	0.00
3	A	59.00	130.00	8.00	8.00	5.19	0.00
1	B	194.00	-52.00	20.00	20.00	282.26	0.00
2	B	93.00	-6.00	20.00	20.00	101.31	0.00
3	B	109.00	89.00	20.00	20.00	101.31	0.00

Statistics

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
PARKING LOT	X	0.4 fc	5.2 fc	0.0 fc	N/A	N/A
PROPERTY LINE	X	0.0 fc	0.0 fc	0.0 fc	N/A	N/A
SITE CALCULATIONS	+	0.4 fc	5.6 fc	0.0 fc	N/A	N/A

Schedule

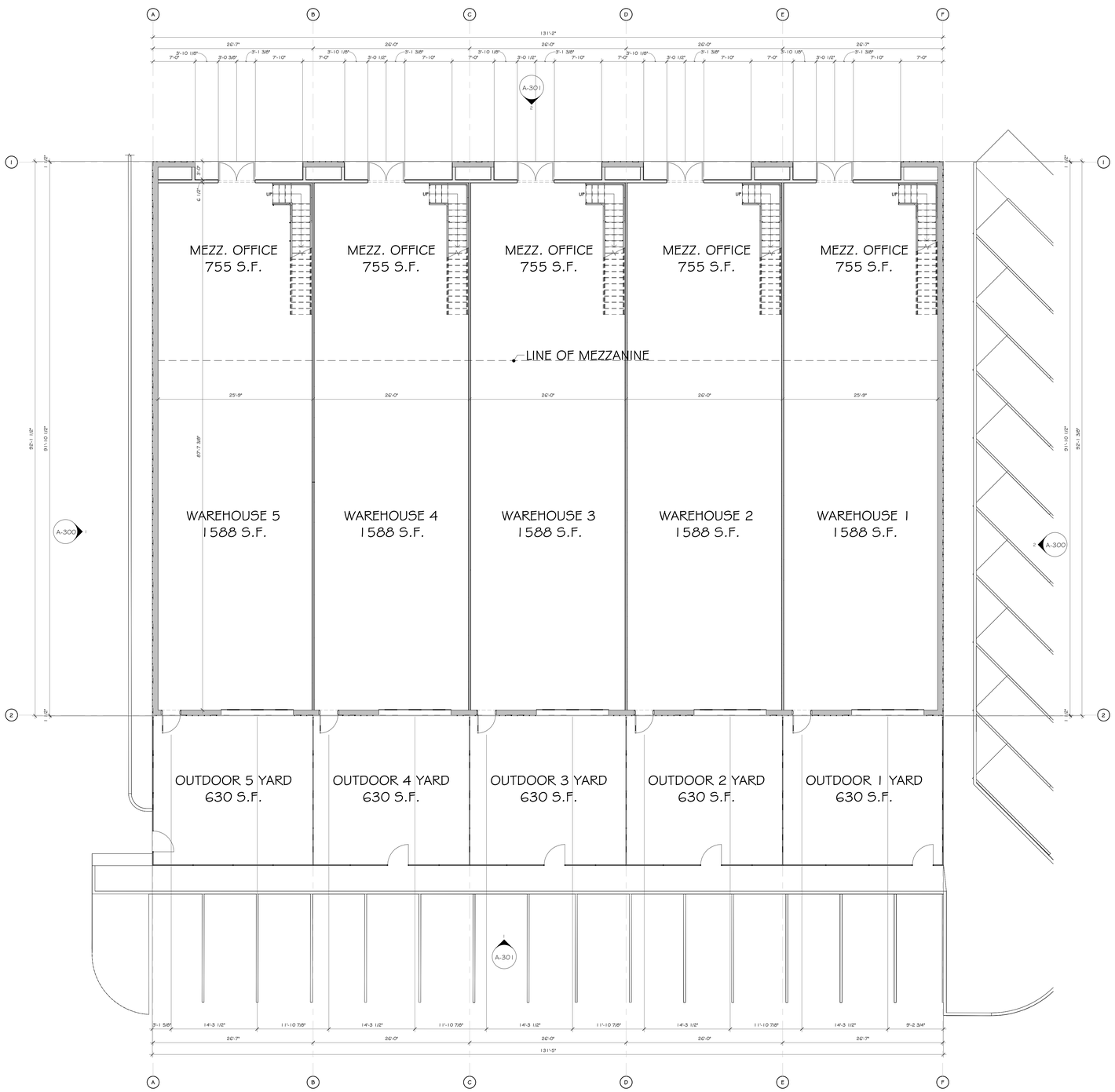
Symbol	Label	QTY	Catalog Number	Description	Number Lamps	Lumens per Lamp	LLF	Wattage
	A	3	HLWPC2 P10 40K XX T2M	Wallpack Full Cutoff LED, LED Performance Package P10, 4000 series CCT, Voltage, Type II Medium	1	3110	0.9	28
	B	3	HLWPC2 P10 40K XX TFTM	Wallpack Full Cutoff LED, LED Performance Package P10, 4000 series CCT, Voltage, Forward Throw Medium	1	3209	0.9	28

ACUITY BRANDS DESIGN SERVICES
LIGHTING | CONTROLS | ASSEMBLIES

117 NORTH HAMILTON STREET
POUGHKEEPSIE, NY 12601

Designer
R.A. MCILRATH
Date
6/1/2022
Scale
As Shown
Drawing No.
206527-1 A1
Summary

1 of 1



1 BUILDING 1 FLOOR PLAN
1/8" = 1'-0"

CONSTRUCTION NOTES

NOTE: NOT ALL NOTES MAY BE USED ON THIS DRAWING.

WINDOW / DOOR NOTES:

1. ALL WINDOWS ARE BASED UPON USING ANDERSEN 200 SERIES W/ DUAL PANE HIGH PERFORMANCE LOW E, GLAZING WINDOWS AND DOOR ASSEMBLIES SHALL BE LABELLED AND CERTIFIED BY THE MANUFACTURER NOT TO EXCEED 0.3 CFM/SF AND SWINGING DOORS SHALL HAVE NO MORE THAN 0.5 CFM PER SQUARE FOOT OF LEAKAGE.
2. G.C. TO CONFIRM ALL DOOR AND WINDOW ROUGH OPENING SIZES PRIOR TO ORDERING.
3. CONFIRM HEAD HEIGHT AND SILL HEIGHT W/ OWNER IN FIELD TO DETERMINE SPECIAL CONDITIONS IN KITCHEN AND ON 2ND FLOOR.
4. GLAZING W/ IN 18" W/ FLOOR REQUIRED TO BE TEMPERED.

NOTES:

ALL BATHROOMS # LAVS. NOT HAVING OPERABLE WINDOWS OR HAVING LESS THAN 1.5 S.F. OF WINDOW VENT SPACE SHALL BE MECHANICAL VENTED TO THE EXTERIOR AND TERMINATE USING A WEATHERPROOF BAFFLE DEVICE. (SEE FOLLOWING CFM REQUIREMENTS) INTERMITTENT VENTILATION REQUIRES A MIN. OF 50 CFM (23.6 LIS) WHILE CONTINUOUS VENTILATION REQUIRES 20 CFM (9.4 LIS).

WALL NOTES:

1. ALL MTL. STUD WALLS, PROVIDE COLD ROLLED CHANNEL @ EV. 4'-0" VERT.
2. ALL MTL STUD WALLS OVER 12'-0" # ALL BEARING WALLS, INSTALL DIAGONAL X-BEARING AT 45° ANGLE @ CORNER # ENDS. USE 2". 16 G.A. GALVANIZED STRAPS W/ (4) #10 TEK SCREWS @ ENDS # ONE @ EACH STUD INSTALL COLD ROLLED CHANNEL @ 4' AND 8'.
3. ALL DIMENSIONS ARE TO ROUGH FRAMING.
4. CLOSED CELL SPRAY FOAM INSUL. MAY BE SUBSTITUTED FOR BATT INSULATION GIVEN THAT AN IGNITION BARRIER IS PROVIDED.
5. STRUCTURAL SPECIFICATION OF METAL FRAMING MEMBERS/GAUGES AND ANY BRACING SUPERSEDE THE ARCHITECTURAL DRAWINGS.

PROJECT

PROJECT

N O R T H

KEY PLAN

AREA OF CONSTRUCTION

CONSTRUCTION DOCUMENT

REVISIONS:

NUM.	DATE	DESCRIPTION

ANDERSON DESIGN GROUP

ARCHITECTURE
PLANNING
INTERIORS

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WWW.ADGARCHITECT.COM
CONTACT@ADGARCHITECT.COM

Project: BAXTER 117 N HAMILTON
117 NORTH HAMILTON ST., CITY OF POUGHKEEPSIE
COUNTRY OF DUTCHESS, NEWYORK

Drawing Name: BUILDING 1 FLOOR PLAN

Drawn: IDEA | Scale: AS NOTED | Project: 22102 | Date: 03/02/22

DRAFT - NOT FOR CONSTRUCTION

Drawing Number: A-201

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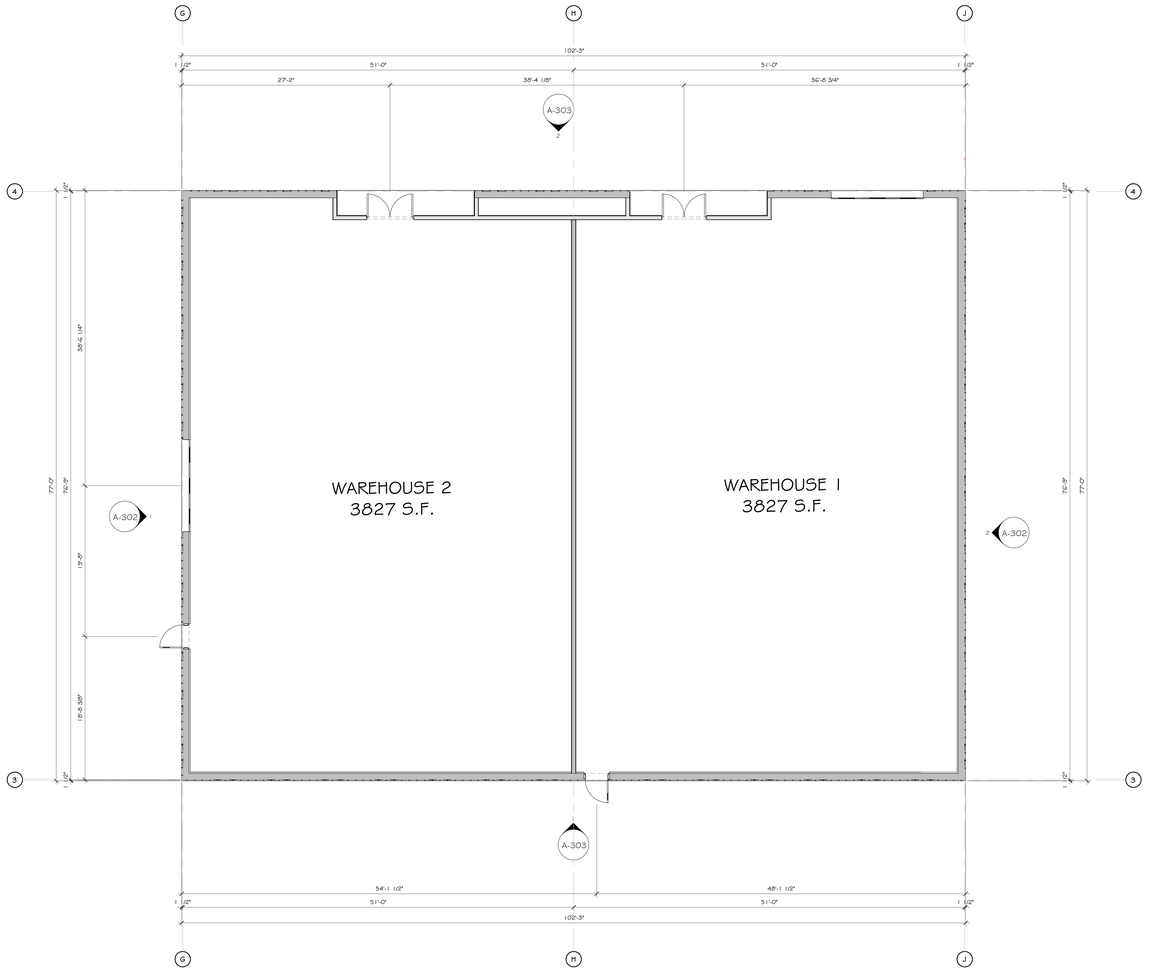

1 BUILDING 2 FLOOR PLAN
1/8" = 1'-0"

CONSTRUCTION NOTES

NOTE: NOT ALL NOTES MAY BE USED ON THIS DRAWING

WINDOW / DOOR NOTES:

1. ALL WINDOWS ARE BASED UPON USING ANDERSEN 200 SERIES W/ DUAL PANE HIGH PERFORMANCE LOW E, GLAZING WINDOWS AND DOOR ASSEMBLIES SHALL BE LABELLED AND CERTIFIED BY THE MANUFACTURER NOT TO EXCEED 0.3 CFM/SF AND SWINGING DOORS SHALL HAVE NO MORE THAN 0.5 CFM PER SQUARE FOOT OF LEAKAGE.
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5. STRUCTURAL SPECIFICATION OF METAL FRAMING MEMBERS/GAUGES AND ANY BRACING SUPERSEDE THE ARCHITECTURAL DRAWINGS.

PROJECT

NORTH

KEY PLAN

AREA OF CONSTRUCTION

CONSTRUCTION DOCUMENT

REVISIONS:

NUM.	DATE	DESCRIPTION

ANDERSON DESIGN GROUP

ARCHITECTURE
PLANNING
INTERIORS

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CONTACT@ADGARCHITECT.COM

Project: BAXTER 117 N HAMILTON
117 NORTH HAMILTON ST., CITY OF POUGHKEEPSIE
COUNTRY OF DUTCHESS, NEWYORK

Drawing Name: BUILDING 2 FLOOR PLAN

Drawn: IDEA | Scale: AS NOTED | Project: 22102 | Date: 03/02/22

DRAFT - NOT FOR CONSTRUCTION

Drawing Number: A-202

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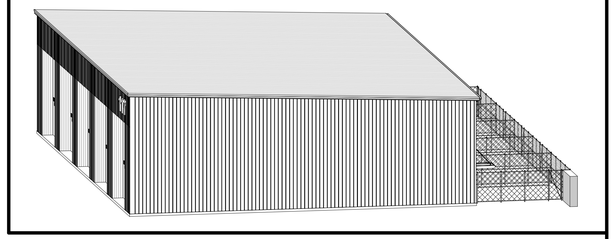
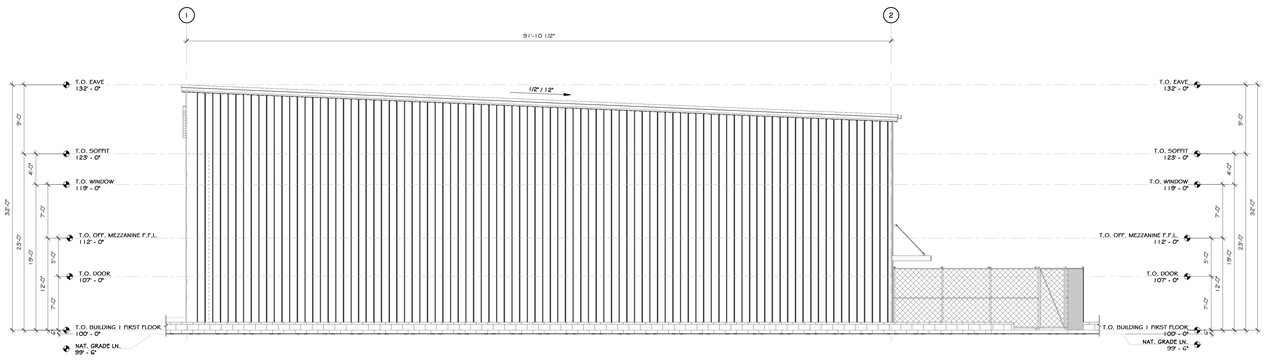
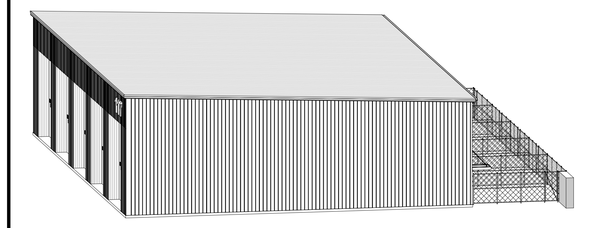
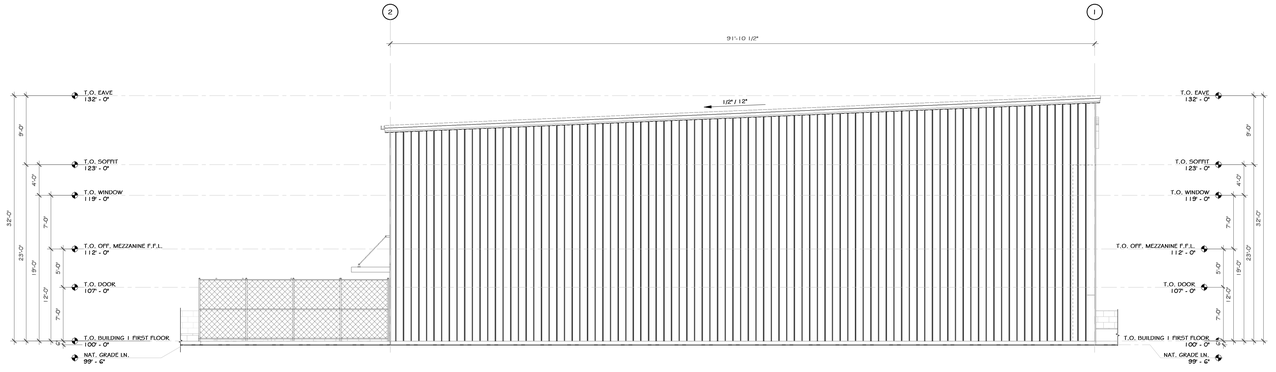




1 SOUTH ELEVATION
1/8" = 1'-0"





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

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CONSTRUCTION NOTES

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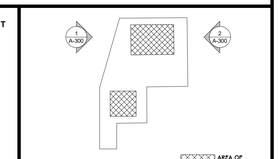
PROJECT

NORTH



100% **SCHEMATIC DESIGN**

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WWW.ADGARCHITECT.COM
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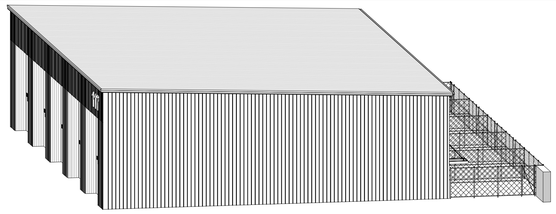
Project: 117 NORTH HAMILTON
117 NORTH HAMILTON ST., POUGHKEEPSIE, NY 12601

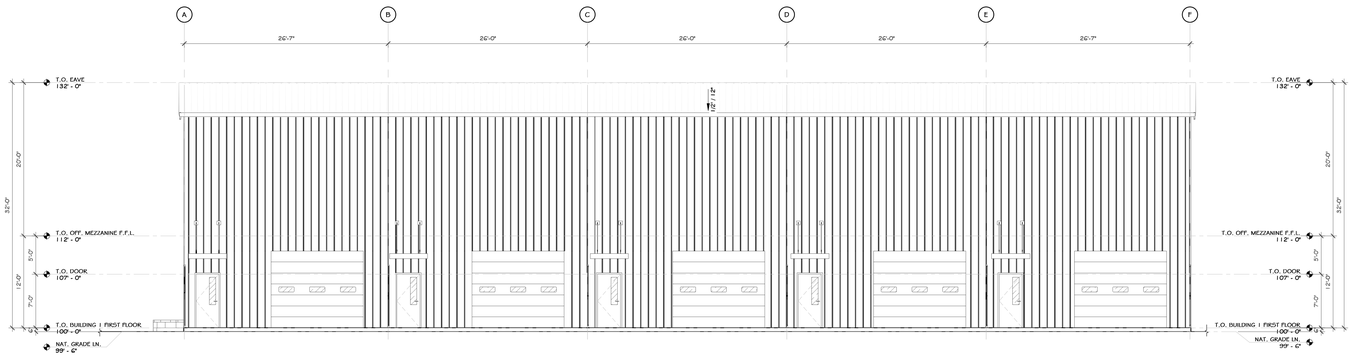
Drawing Name: BUILDING 1 EXTERIOR ELEVATIONS

Drawn: IDEA | Scale: AS NOTED | Project: 22102 | Date: 05/31/22

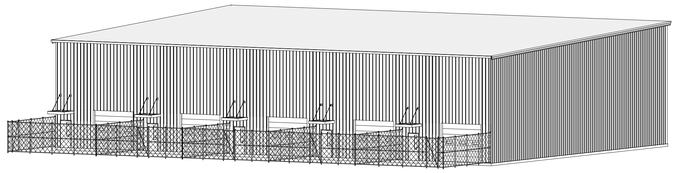
REGISTERED ARCHITECT JASON T. ANDERSON 05-31-2022 031127 STATE OF NEW YORK

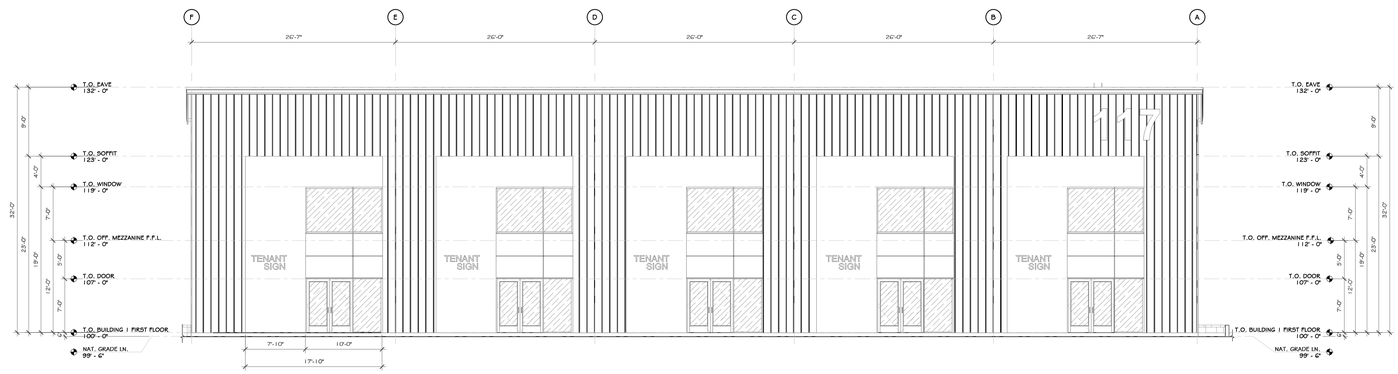
Drawing Number: A-300-PB





1 EAST ELEVATION
1/8" = 1'-0"





2 WEST ELEVATION
1/8" = 1'-0"

CONSTRUCTION NOTES

NOTE: NOT ALL NOTES MAY BE USED ON THIS DRAWING

PROJECT

NORTH

KEY PLAN

AREA OF CONSTRUCTION

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117 NORTH HAMILTON ST., POUGHKEEPSIE, NY 12601

Drawing Name: BUILDING 1 EXTERIOR ELEVATIONS

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JASON T. ANDERSON REGISTERED ARCHITECT 033127 STATE OF NEW YORK
05-31-2022

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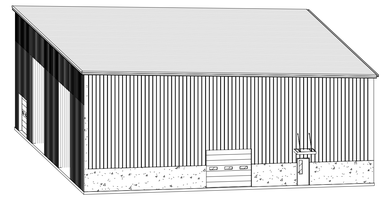
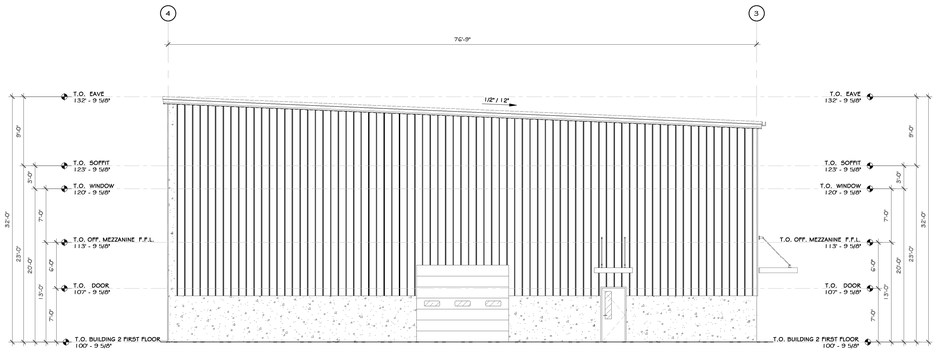
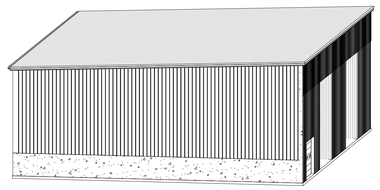
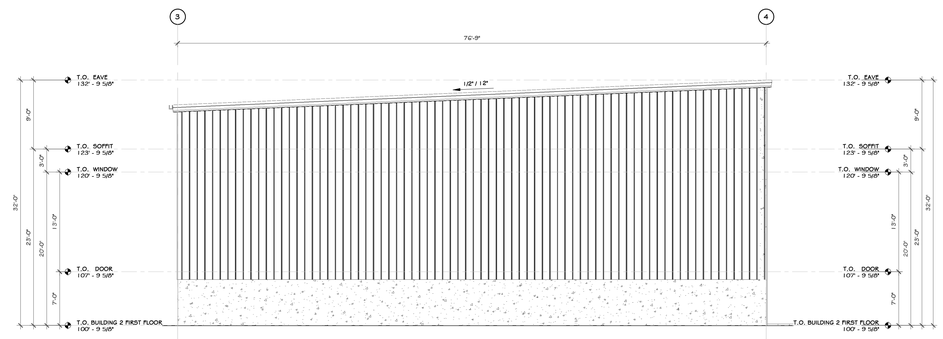




1 SOUTH ELEVATION
1/8" = 1'-0"





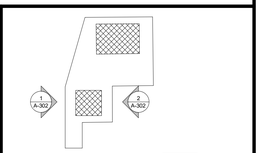
2 NORTH ELEVATION
1/8" = 1'-0"

CONSTRUCTION NOTES

NOTE: NOT ALL NOTES MAY BE USED ON THIS DRAWING

PROJECT

N O R T H



100% **SCHEMATIC DESIGN**

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Project: 117 NORTH HAMILTON
117 NORTH HAMILTON ST., POUGHKEEPSIE, NY 12601

Drawing Name: BUILDING 2 EXTERIOR ELEVATIONS

Drawn: IDEA | Scale: AS NOTED | Project: 22102 | Date: 05/31/22

REGISTERED ARCHITECT JASON T. ANDERSON 033127 STATE OF NEW YORK
05.31.2022

Drawing Number: A-302-PB

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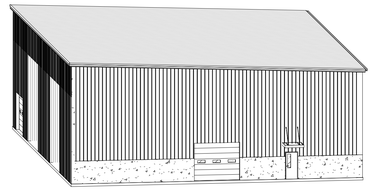
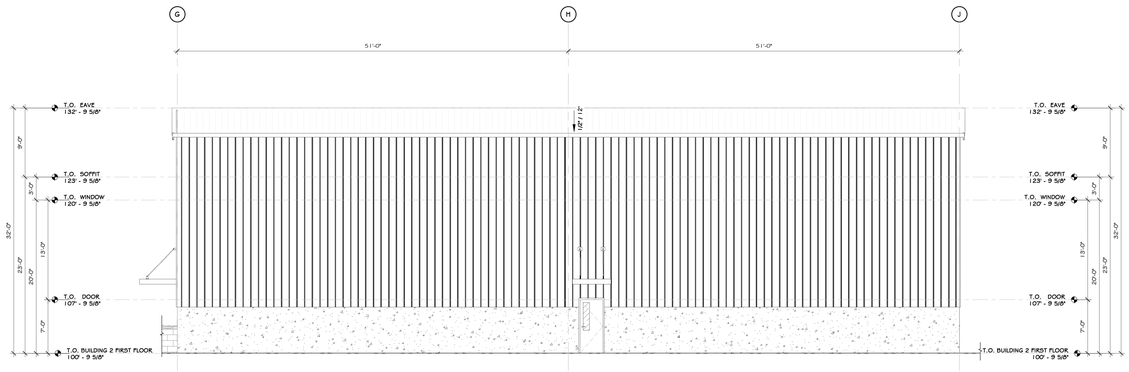
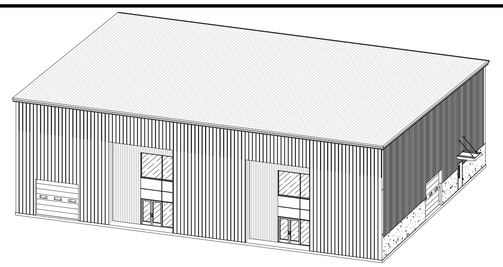
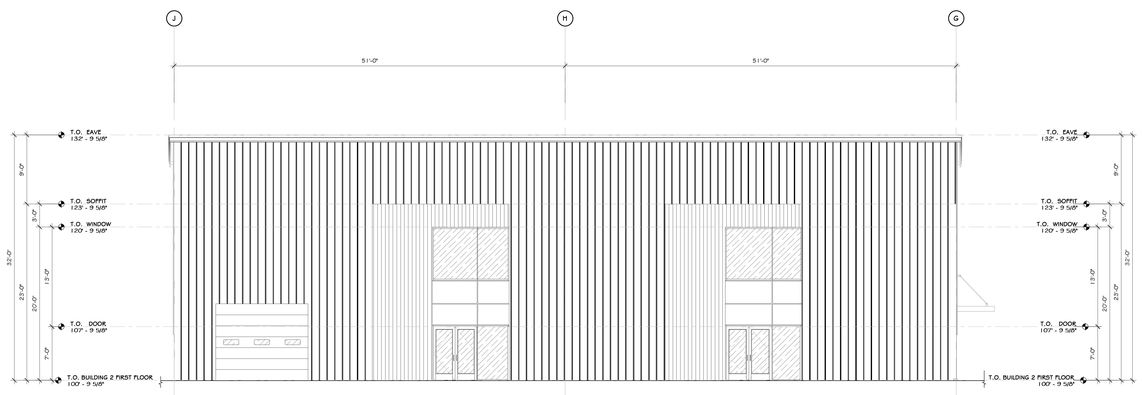




1 EAST EELEVATION
1/8" = 1'-0"





2 WEST ELAVATION
1/8" = 1'-0"

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CONSTRUCTION NOTES

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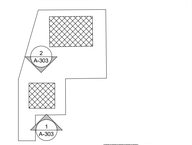
PROJECT

NORTH



KEY PLAN

AREA OF CONSTRUCTION

100% **SCHEMATIC DESIGN**

REVISIONS:

NUM.	DATE	DESCRIPTION

ANDERSON DESIGN GROUP

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Project: 117 NORTH HAMILTON
117 NORTH HAMILTON ST., POUGHKEEPSIE, NY 12601

Drawing Name: BUILDING 2 EXTERIOR ELEVATIONS

Drawn: IDEA | Scale: AS NOTED | Project: 22102 | Date: 05/31/22

JASON T. ANDERSON — REGISTERED ARCHITECT — 039127 — STATE OF NEW YORK

05-31-2022

Drawing Number: A-303-PB

1 EXTERIOR RENDERING

2 EXTERIOR RENDERING

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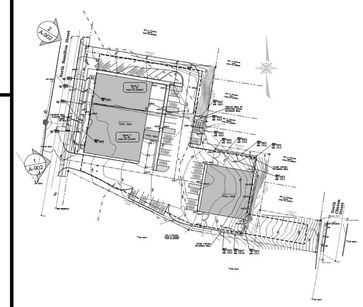
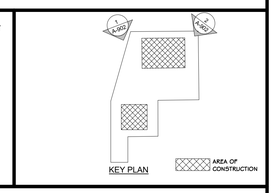


PROJECT NORTH



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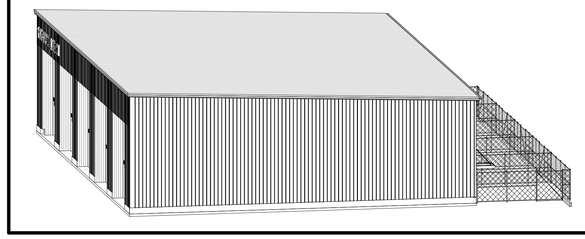
Project: 117 NORTH HAMILTON
117 NORTH HAMILTON ST., POUGHKEEPSIE, NY 12601

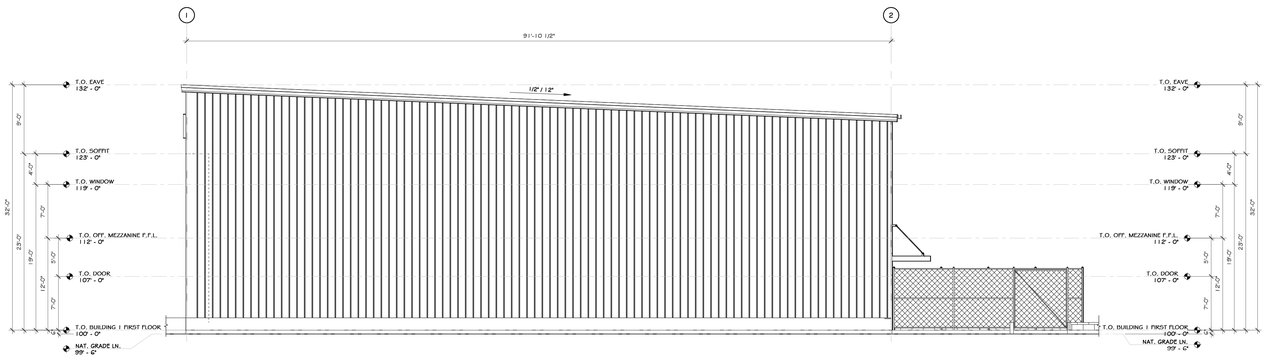
Drawing Name: EXTERIOR RENDERING

Drawn: IDEA | AS NOTED | Project: 22102 | Date: 05/31/22

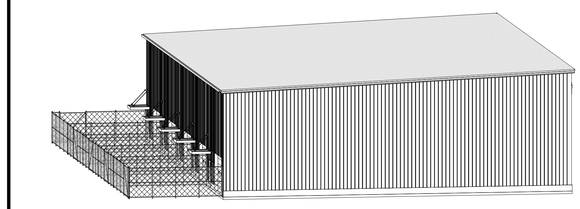
REGISTERED ARCHITECT JASON T. ANDERSON 033127 STATE OF NEW YORK 05.31.2022

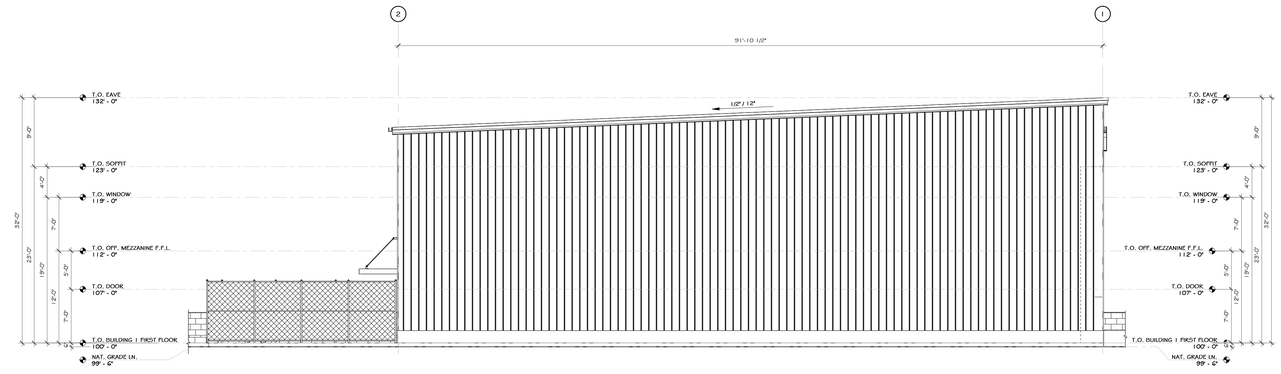
Drawing Number: A-902-PB





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





2 NORTH ELEVATION
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PROJECT

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Project: 117 NORTH HAMILTON
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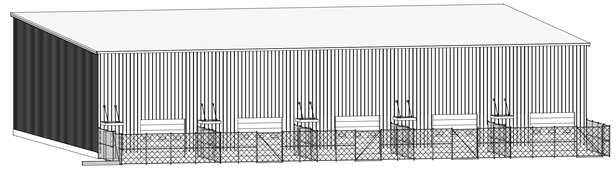
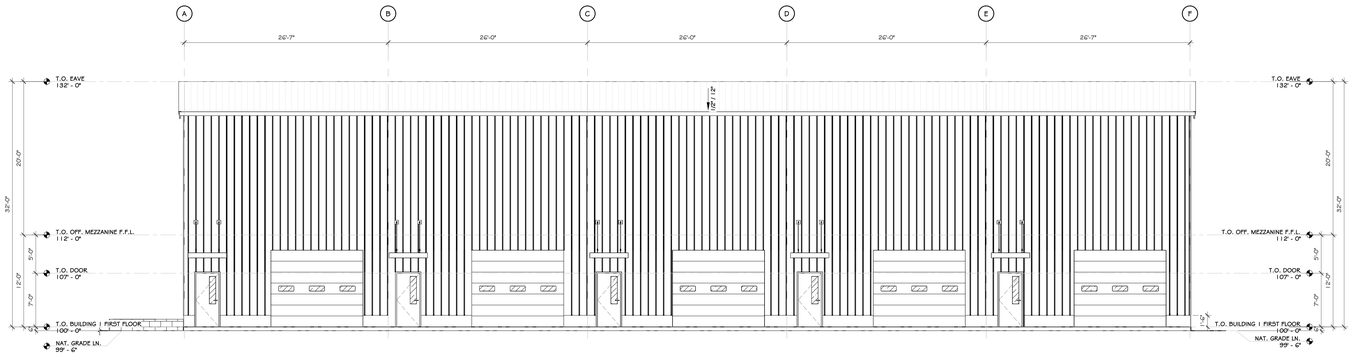
Drawing Name: BUILDING 1 EXTERIOR ELEVATIONS

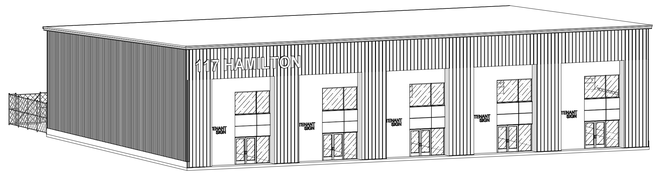
Drawn:	Scale:	Project:	Date:
IDEA	AS NOTED	22102	05/31/22

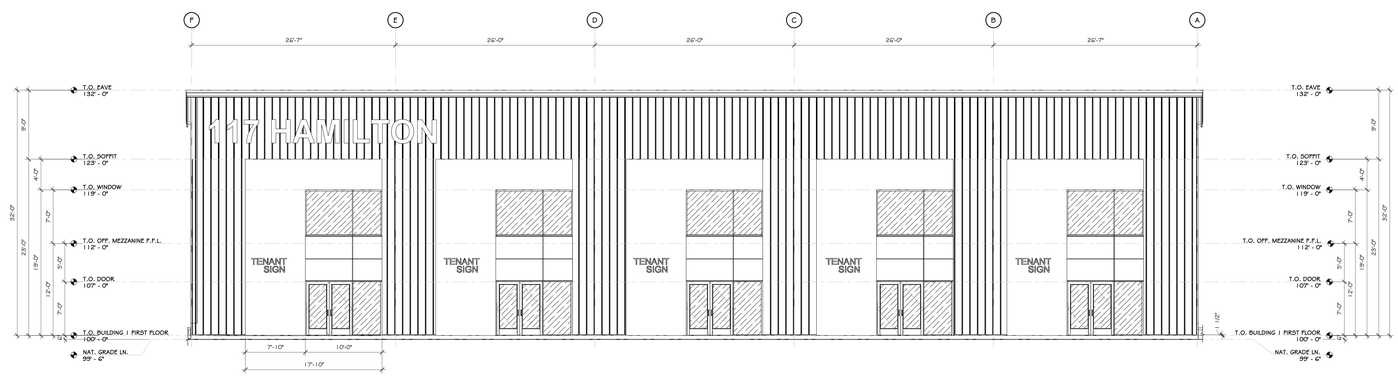
Drawing Number: A-300-PB





1 EAST ELEVATION
1/8" = 1'-0"





2 WEST ELEVATION
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PROJECT

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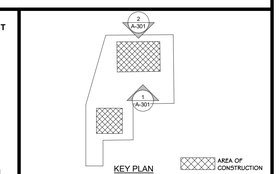

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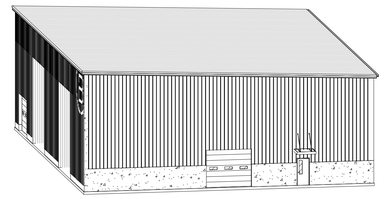
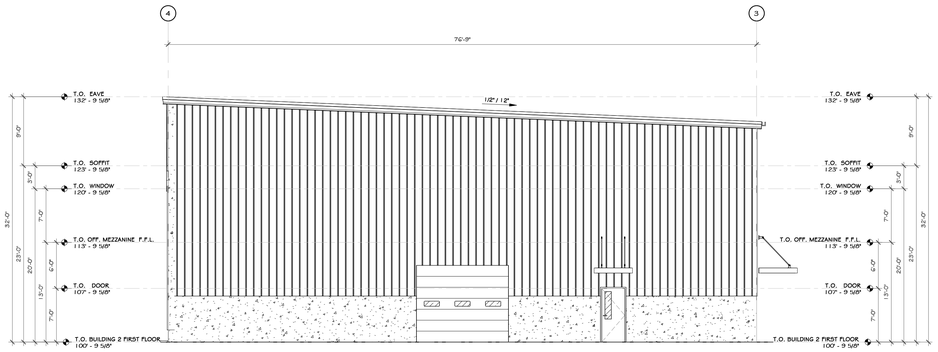
Drawing Name: BUILDING 1 EXTERIOR ELEVATIONS

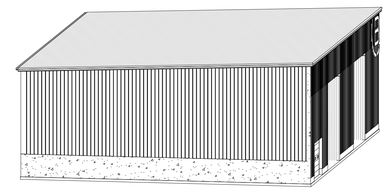
Drawn:	Scale:	Project:	Date:
IDEA	AS NOTED	22102	05/31/22

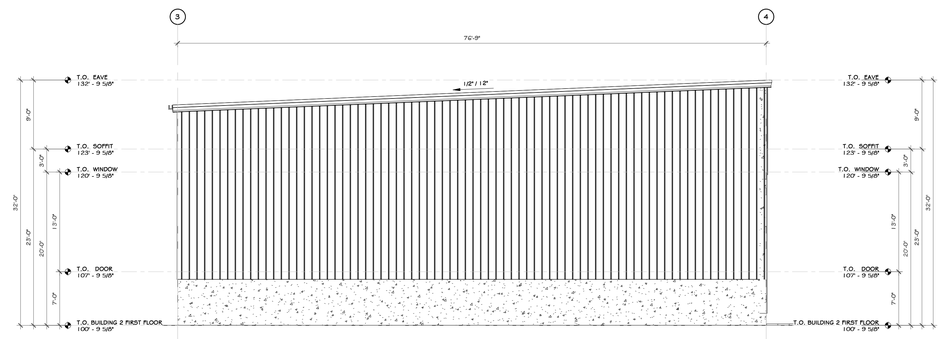
Drawing Number: A-301-PB





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



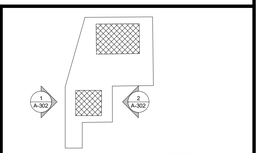


2 NORTH ELEVATION
1/8" = 1'-0"

CONSTRUCTION NOTES

NOTE: NOT ALL NOTES MAY BE USED ON THIS DRAWING

PROJECT NORTH



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117 NORTH HAMILTON ST., POUGHKEEPSIE, NY 12601

Drawing Name: BUILDING 2 EXTERIOR ELEVATIONS

Drawn:	Scale:	Project:	Date:
IDEA	AS NOTED	22102	05/31/22

Drawing Number: A-302-PB

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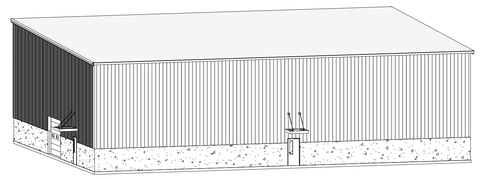
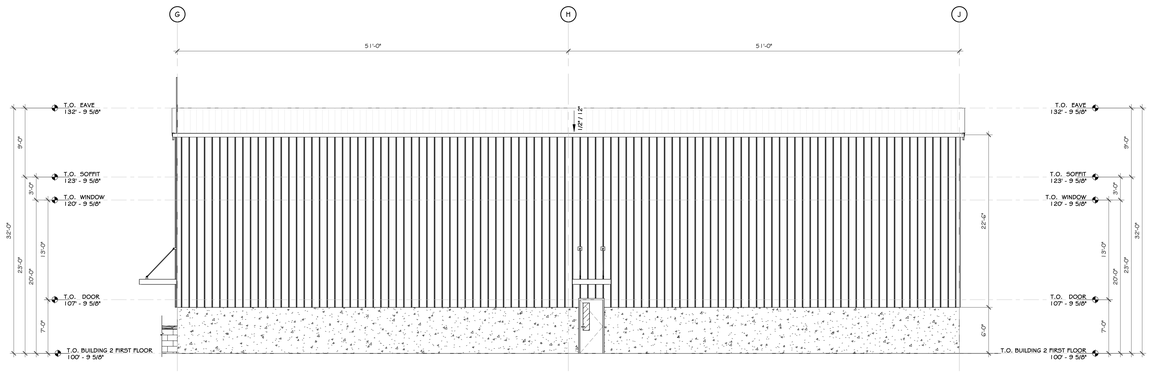
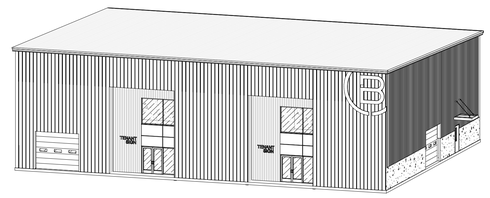
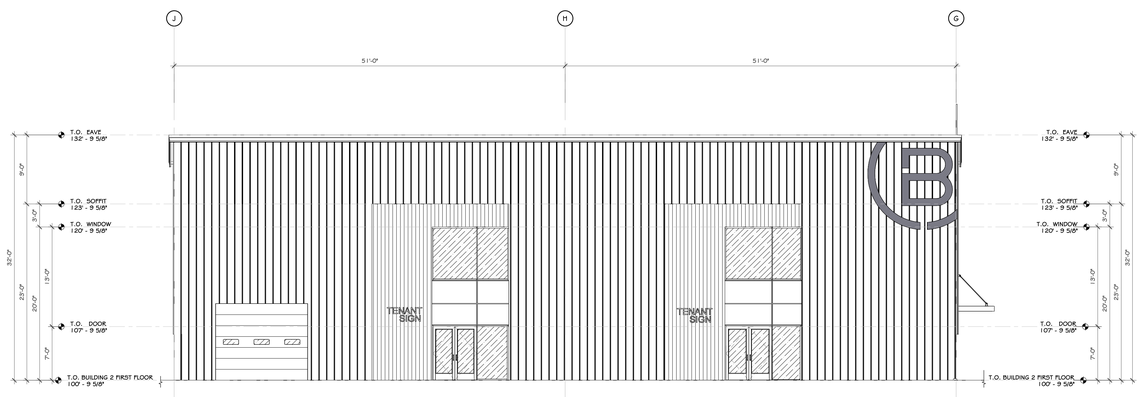




1 EAST EELEVATION
1/8" = 1'-0"





2 WEST ELAVATION
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CONSTRUCTION NOTES

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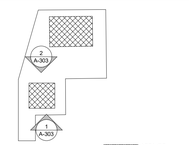
PROJECT

NORTH



KEY PLAN

AREA OF CONSTRUCTION

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Project: 117 NORTH HAMILTON
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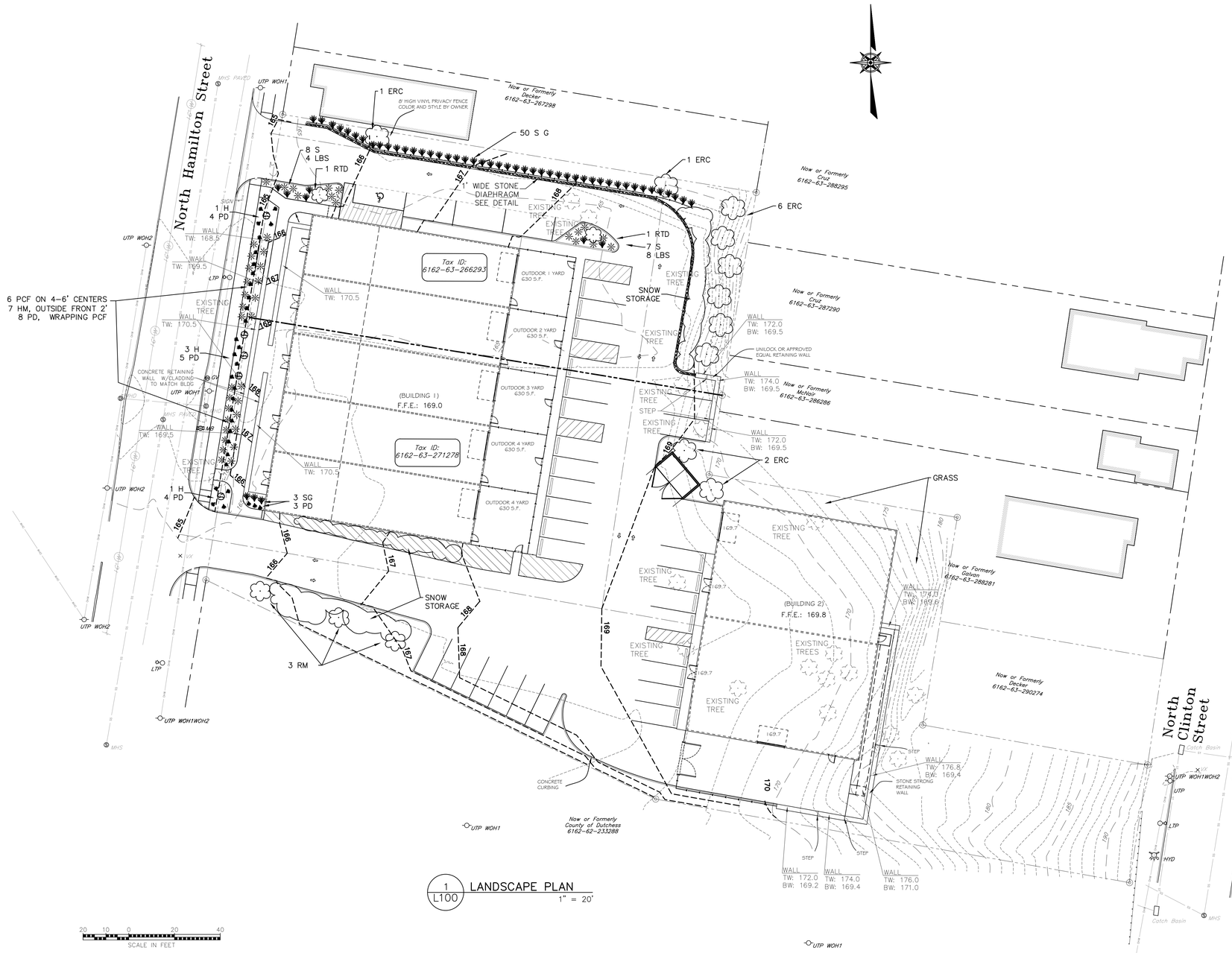
Drawing Name: BUILDING 2 EXTERIOR ELEVATIONS

Drawn:	Scale:	Project:	Date:
IDEA	AS NOTED	22102	05/31/22

Drawing Number: A-303-PB



1 L100 LANDSCAPE PLAN
1" = 20'

NOTES

1. PROTECT ALL EXISTING VEGETATION TO REMAIN FROM DAMAGE DURING CONSTRUCTION.
2. USE EXTREME CAUTION TO PROTECT UTILITIES.
3. ALL PLANT MATERIAL SHALL BE NURSERY GROWN UNLESS OTHERWISE NOTED.
4. QUANTITIES GIVEN ON THE PLANTING LIST ARE FOR REFERENCE ONLY. THE CONTRACTOR SHALL VERIFY ALL QUANTITIES SHOWN ON THE LIST AND SHALL BE RESPONSIBLE FOR FURNISHING ALL MATERIALS REQUIRED TO COMPLETE THE PLANS.
5. THE CONTRACTOR SHALL VERIFY ALL GRADES, DIMENSIONS AND EXISTING CONDITIONS, AND REPORT ANY DISCREPANCIES TO THE ENGINEER.
6. ALL BEDS AND TREE SAUCERS AND OTHER AREAS NOTED SHALL RECEIVE 2 INCHES (MINIMUM) OF APPROVED MULCH (SHREDDED CEDAR).
7. CONTRACTOR SHALL GUARANTEE ALL PLANT MATERIAL FOR ONE YEAR FROM TIME OF ENGINEER'S FINAL WRITTEN APPROVAL.
8. TOP SOIL MIX SHALL INCLUDE:
   - 3 PARTS SCREENED TOPSOIL
   - 1PART SAND
   - 1 PART HUMUS
   - 5 LBS. SUPERPHOSPHATE PER CU. YD. OF MIX
9. CONTRACTOR TO COORDINATE PLANTING, SEEDING AND TREE WORK WITH OTHER TRADES.
10. CONTRACTOR IS RESPONSIBLE FOR RESTORING ALL AREAS DISTURBED DUE TO PLANTING OPERATIONS.

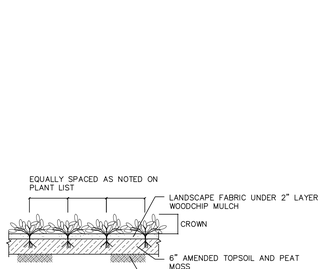
LEGEND

- EXISTING TREE
- PROPOSED TREE
- PROPOSED SHRUB
- PROPOSED GRASSES
- PROPOSED PERENNIALS

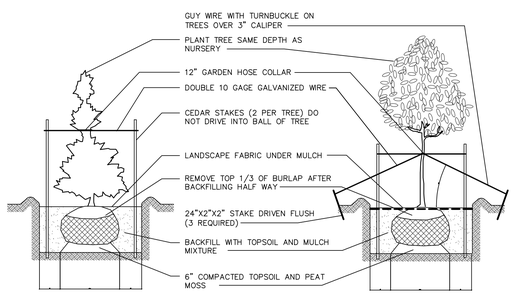
PLANT LIST

QTY	KEY	BOTANICAL NAME	COMMON NAME	SIZE	COMMENTS
Trees					
10	ERC	*Juniperus virginiana*	Eastern Red Cedar	5-6'	B&B
3	RM	*Acer rubrum*	Red Maple	2-2.5" C	B&B
Shrubs					
2	RTD	*Cornus alba* "siberica"	Red Twig Dogwood	3 – 5' Hgt	1 Gal
5	H	*Hydrangea paniculata* "little quick fire"	Hydrangea	3 – 5' Hgt	1 Gal
Grasses					
50	SG	*Panicum virgatum* "Shenandoah"	Switch Grass	1 Gal	18" O.C.
32	PD	*Sporobolus heteroepis*	Prairie Dropseed	1 Gal	18" O.C.
6	LBS	*Carex sprengelii*	Long Beaked Sedge	1 Gal	18" O.C.
Perennials					
12	PCF	*Echineacea purpurea*	Purple Cone Flower	2 Gal	
14	HM	*Agastache* "Summer Sky"	Hummingbird Mint	2 Gal	
15	S	*Sedum herbstfreude* "autumn joy"	Stonecrop	2 Gal	

ALL AREAS NOT OTHERWISE COVERED BY ASPHALT, BUILDINGS OR LANDSCAPE PLANTINGS, SHALL BE TOPSOILED, SEEDED WITH LAWN (GRASS) PLANTED.



2 L100 GROUNDCOVER PLANTING
NO SCALE



3 L100 PLANTING
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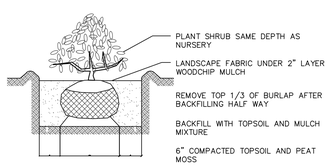
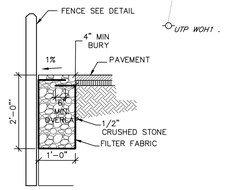


4 L100 SHRUB PLANTING
NO SCALE



5 L100 STONE DIAPHRAGM
NO SCALE

NO.	DATE	REVISION	BY
3	9/2/22	PER COMMENTS/ SITE CHANGE	JVA
2	7/5/22	PER CITY COMMENT	JVA
1	5/27/22	PER OWNER COMMENT	JVA

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- This line is one inch long

DRAWN BY: KMC
CHECKED BY: JVA
DATE: APRIL 2022
SCALE: 1" = 20'

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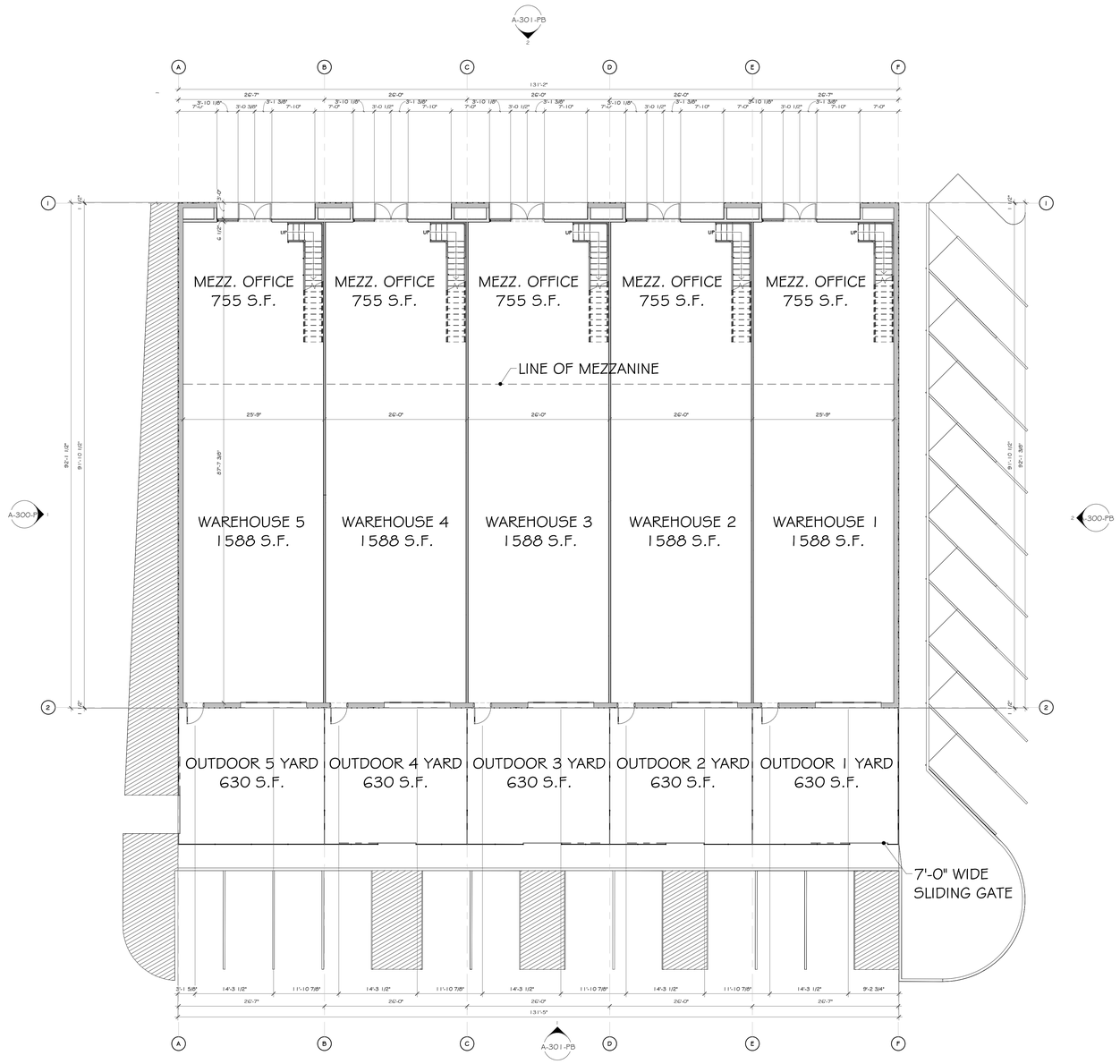
117 NORTH HAMILTON
NORTH HAMILTON STREET
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NEW YORK

LANDSCAPE PLAN

PROJECT NUMBER: 21-786-01

DRAWING NUMBER: L100
10 OF 10



1 BUILDING 1 FLOOR PLAN
1" = 10'-0"

CONSTRUCTION NOTES

NOTE: NOT ALL NOTES MAY BE USED ON THIS DRAWING

PROJECT

NORTH

KEY PLAN

AREA OF CONSTRUCTION

100% PLUNNING BOARD SUBMISSION

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Project: 117 NORTH HAMILTON
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Drawing Name: BUILDING 1 FLOOR PLAN

Drawn:	Scale:	Project:	Date:
IDEA	AS NOTED	22102	05/31/22

Drawing Number: A-201-PB

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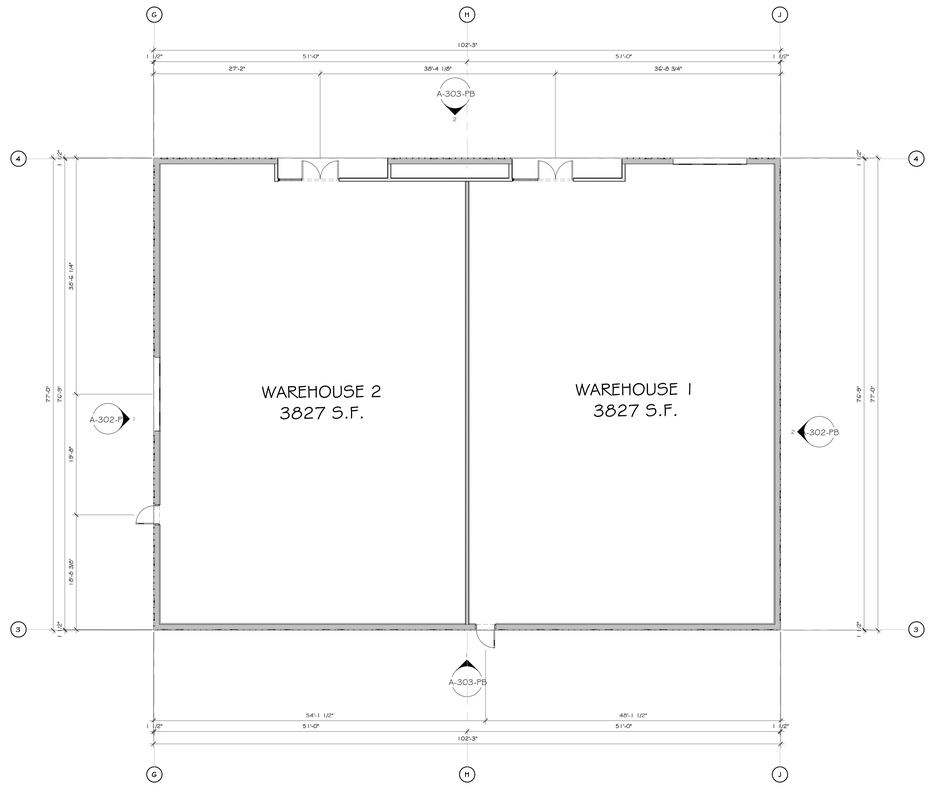


1 BUILDING 2 FLOOR PLAN
1" = 10'-0"

CONSTRUCTION NOTES

NOTE: NOT ALL NOTES MAY BE USED ON THIS DRAWING

WINDOW / DOOR NOTES:

1. ALL WINDOWS ARE BASED UPON USING ANDERSEN 200 SERIES W/ DUAL PANE HIGH PERFORMANCE LOW E, GLAZING WINDOWS AND DOOR ASSEMBLIES SHALL BE LABELLED AND CERTIFIED BY THE MANUFACTURER NOT TO EXCEED 0.3 CFM/SF AND SWINGING DOORS SHALL HAVE NO MORE THAN 0.5 CFM PER SQUARE FOOT OF LEAKAGE.
2. G.C. TO CONFIRM ALL DOOR AND WINDOW ROUGH OPENING SIZES PRIOR TO ORDERING.
3. CONFIRM HEAD HEIGHT AND SILL HEIGHT W/ OWNER IN FIELD TO DETERMINE SPECIAL CONDITIONS IN KITCHEN AND ON 2ND FLOOR.
4. GLAZING W/ IN 18" W/ FLOOR REQUIRED TO BE TEMPERED.

NOTES:

ALL BATHROOMS & LAVS. NOT HAVING OPERABLE WINDOWS OR HAVING LESS THAN 1.5 S.F. OF WINDOW VENT SPACE SHALL BE MECHANICAL VENTED TO THE EXTERIOR AND TERMINATE USING A WEATHERPROOF BAFFLE DEVICE. (SEE FOLLOWING CFM REQUIREMENTS) INTERMITTENT VENTILATION REQUIRES A MIN. OF 50 CFM (23.6 L/S) WHILE CONTINUOUS VENTILATION REQUIRES 20 CFM (9.4 L/S).

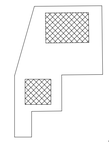
WALL NOTES:

1. ALL MTL. STUD WALLS, PROVIDE COLD ROLLED CHANNEL @ EV. 4'-0" VERT.
2. ALL MTL. STUD WALLS OVER 12'-0" & ALL BEARING WALLS, INSTALL DIAGONAL X-BEARING AT 45° ANGLE @ CORNER & ENDS. USE 2", 16 G.A. GALVANIZED STRAPS W/ (4) #10 TEK SCREWS @ ENDS & ONE @ EACH STUD INSTALL COLD ROLLED CHANNEL @ 4' AND 8'.
3. ALL DIMENSIONS ARE TO ROUGH FRAMING.
4. CLOSED CELL SPRAY FOAM INSUL. MAY BE SUBSTITUTED FOR BATT INSULATION GIVEN THAT AN IGNITION BARRIER IS PROVIDED.
5. STRUCTURAL SPECIFICATION OF METAL FRAMING MEMBERS/GAUGES AND ANY BRACING SUPERSEDE THE ARCHITECTURAL DRAWINGS.

PROJECT

PROJECT NORTH

N O R T H



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Project: 117 NORTH HAMILTON
117 NORTH HAMILTON ST., POUGHKEEPSIE, NY 12601

Drawing Name: BUILDING 2 FLOOR PLAN

Drawn:	Scale:	Project:	Date:
IDEA	AS NOTED	22102	05/31/22

Drawing Number: A-202-PB

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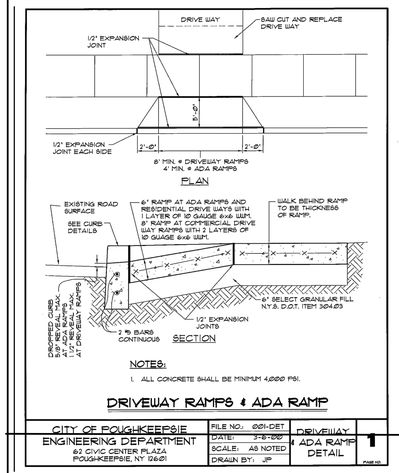
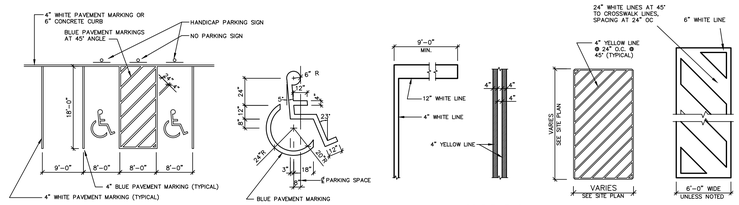


NOTES:

1. ALL CONCRETE SHALL BE MINIMUM 4,000 PSI.

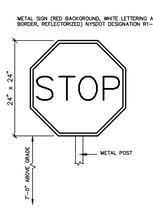
DRIVEWAY RAMPS & ADA RAMP

CITY OF POUGHKEEPSIE ENGINEERING DEPARTMENT 62 CIVIC CENTER PLAZA POUGHKEEPSIE, NY 12601	FILE NO.: 001-DET	DRIVEWAY & ADA RAMP DETAIL 1
	DATE: 3-8-00	
	SCALE: AS NOTED	
	DRAWN BY: JP	PAGE NO.

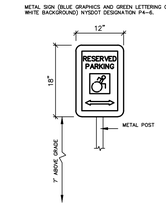


NOTE: PAVEMENT MARKINGS ARE TO CONFORM TO THE LATEST EDITION OF NYS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

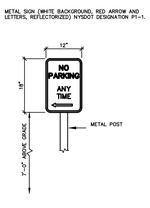
2 C500 PAINTED PAVEMENT MARKINGS
NO SCALE



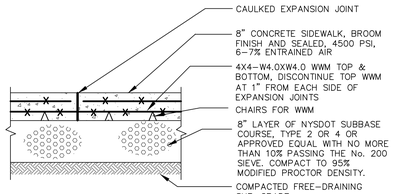
3 C500 STOP SIGN
NO SCALE



4 C500 HANDICAP SIGN
NO SCALE

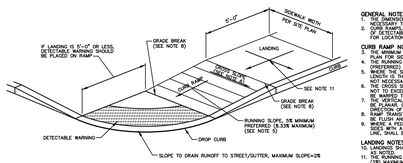


5 C500 NO PARKING SIGN
NO SCALE



1. SCORING PATTERN AND EDGE TOOLING TO MATCH CAMPUS STANDARD. SCORED JOINTS EVERY 10' O.C., UNLESS NOTED OTHERWISE. CAULKED JOINTS EVERY 2nd JOINT
2. ALL COLD JOINTS TO BE DOWELED WITH #4 BAR AT 12" ON CENTER.

6 C500 HEAVY DUTY CONCRETE WALK
NO SCALE

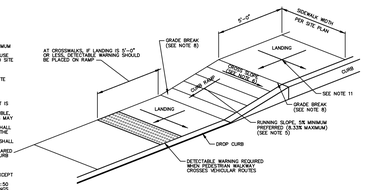


7 C500 CURB RAMP AT END OF SIDEWALK
NO SCALE

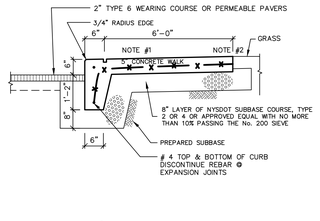
GENERAL NOTES:
1. THE DIMENSIONS AND SLOPES PRESENTED IN THE DETAILS ARE THE MINIMUM REQUIRED TO MEET THE NYS DOT STANDARDS.
2. CURB RAMPS, LANDINGS AND BLENDED TRANSITIONS MAY REQUIRE THE USE OF DETECTABLE WARNINGS. REFER TO DETECTABLE WARNING DETAIL AND SITE PLAN LOCATIONS.

CURB RAMP NOTES:
3. THE RUNNING SLOPE FOR SIDEWALK CURB RAMPS IS 5'-0". REFER TO SITE PLAN FOR SIDEWALK WIDTHS.
4. THE RUNNING SLOPE OF A CURB RAMP SHALL BE 1:20 (5%) MINIMUM PREFERRED AND 1:12 (8.33%) MAXIMUM.
5. WHERE THE SLOPE OF THE ROADWAY EXCEEDS 8.33% THE CURB RAMP LENGTH IS THE LENGTH NECESSARY TO MEET THE EXISTING SIDEWALK. IT IS RECOMMENDED THAT THE RAMP LENGTH NOT EXCEED 15'-0".
6. THE CROSS SLOPE OF THE CURB RAMPS SHOULD BE AS FLAT AS POSSIBLE, NOT TO EXCEED 1:50 (2%). THE CROSS SLOPE AT MIDBLOCK CROSSINGS MAY BE WARPED TO MEET STREET GRADE.
7. THE VERTICAL ALIGNMENT OF ANY CURB RAMP, EXCLUDING THE FLARES, SHALL BE PLANAR. GRADE BREAKS SHALL BE FLUSH AND PERPENDICULAR TO THE DIRECTION OF TRAVEL.
8. RAMP TRANSITIONS BETWEEN WALKS, LANDINGS, GUTTERS, OR STREETS SHALL BE FLUSH AND FREE OF ABRUPT VERTICAL CHANGES (1/4" MAX).
9. WHERE AN ACCESSIBLE PEDESTRIAN PATH CROSSES THE CURB RAMP, FLARED SIDES WITH A SLOPE OF 1:10 MAXIMUM, MEASURED PARALLEL TO THE CURB LINE, SHALL BE PROVIDED.

LANDING NOTES:
10. LANDINGS SHALL HAVE A MINIMUM CLEAR DIMENSION OF 5'-0"x5'-0" EXCEPT AT DOORS.
11. THE RUNNING AND CROSS SLOPES ON LANDINGS AT INTERSECTIONS IS 1:50 (2%) MAXIMUM. THE RUNNING AND CROSS SLOPES AT MIDBLOCK CROSSINGS MAY BE WARPED TO MEET STREET GRADE.

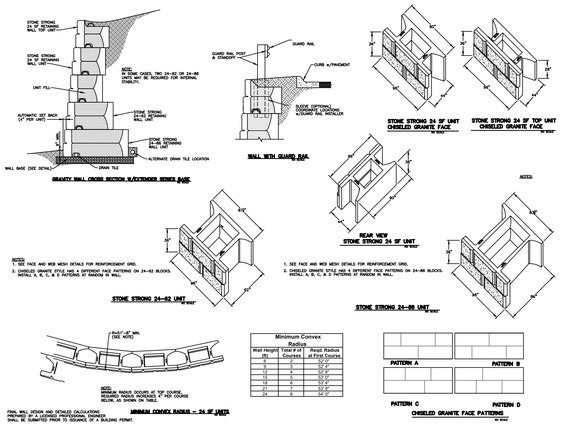


8 C500 CURB RAMP FOR CONTINUING SIDEWALK
NO SCALE



NOTE #1. 5" CONCRETE WALK PER DETAIL 14/C500
8" CONCRETE WALK PER DETAIL 6/C500

9 C500 CONCRETE CURB AND SIDEWALK
NO SCALE

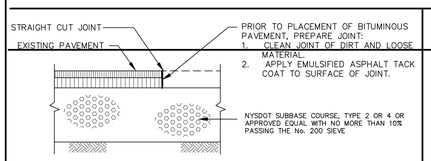


NOTES:
1. SEE FACE AND WEB MESH DETAILS FOR REINFORCEMENT GRID.
2. CHISELED GRANITE STYLE HAS A DIFFERENT FACE PATTERN ON 24-42 BLOCKS. INSTALL A, B, C, & D PATTERNS AT RANDOM IN WALL.

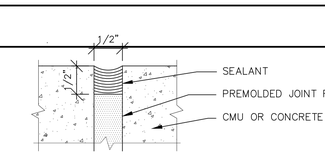
Minimum Convex Radius

Wall Height (ft)	Total # of Courses	Mean Radius at Face Course
6	3	24'-0"
9	4	32'-0"
12	5	40'-0"
15	6	48'-0"
18	7	56'-0"
21	8	64'-0"
24	9	72'-0"

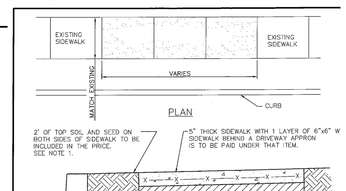
FINAL WALL DESIGN AND DETAILED CALCULATIONS PREPARED BY A LICENSED PROFESSIONAL ENGINEER SHALL BE SUBMITTED PRIOR TO ISSUANCE OF A BUILDING PERMIT.



10 C500 SAWCUT
NO SCALE



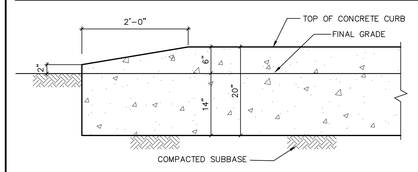
11 C500 CAULKED EXPANSION JOINT
NO SCALE



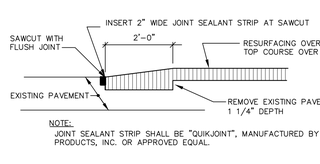
NOTES:
1. ALL CONCRETE SHALL BE MINIMUM 4,000 PSI.
2. WHERE MATERIAL IS NOT USED THE CITY OF POUGHKEEPSIE WILL BE CREDITED IN AREAS WHERE MORE THAN THE SPECIFIED AMOUNT OF MATERIAL IS USED. MAJOR GRADE CHANGES WILL BE APROVED BY THE CITY ENGINEERING DEPT. AND WILL BE PAID UNDER APPROPRIATE ITEMS.
3. UPON COMPLETION OF CURING ALL CONCRETE SURFACES SHALL BE COATED WITH SODIUM CHLORIDE INHIBITING SEALER AS REQ'D.

SIDEWALK DETAIL REPLACE & NEW

CITY OF POUGHKEEPSIE ENGINEERING DEPARTMENT 62 CIVIC CENTER PLAZA POUGHKEEPSIE, NY 12601	PROJECT: 001-DET	SIDEWALK DETAIL
	DATE: 5-16-06	
	SCALE: AS NOTED	
	DRAWN BY: JP	

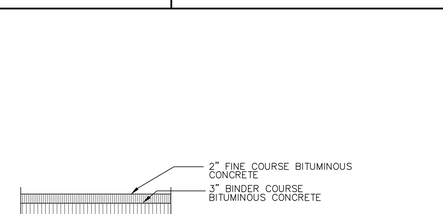


12 C500 CURB END
NO SCALE

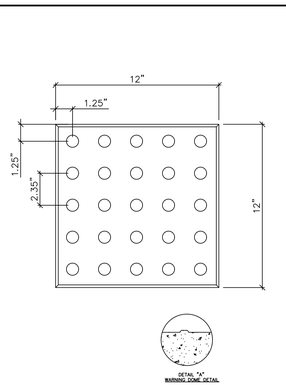


NOTE:
JOINT SEALANT STRIP SHALL BE "QUIKJOINT", MANUFACTURED BY QUIKPAVE PRODUCTS, INC. OR APPROVED EQUAL.

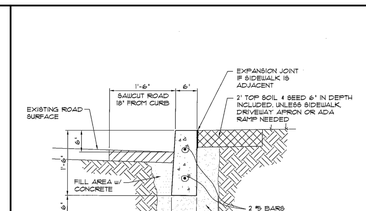
13 C500 PAVEMENT KEY
NO SCALE



15 C500 BITUMINOUS CONCRETE PAVEMENT
NO SCALE



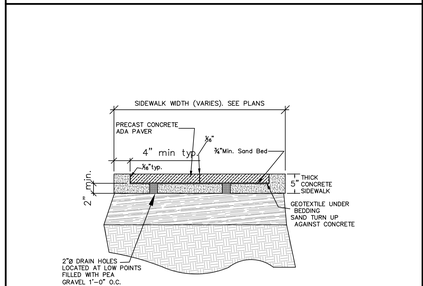
16 C500 ADA 12" PAVER
NO SCALE



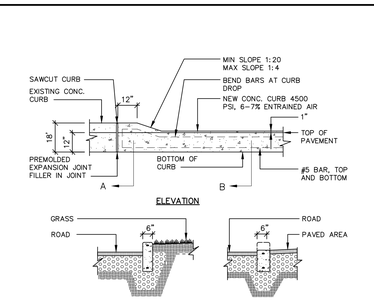
NOTE:
1. CONCRETE SHALL BE MINIMUM 4,000 PSI

FORMED CURB DETAIL

CITY OF POUGHKEEPSIE ENGINEERING DEPARTMENT 62 CIVIC CENTER PLAZA POUGHKEEPSIE, NY 12601	FILE NO.: 001-DET	FORMED CURB DETIAL 1
	DATE: 3-6-00	
	SCALE: AS NOTED	
	DRAWN BY: JP	PAGE NO.

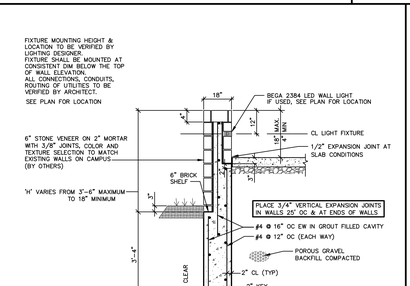


18 C500 ADA PAVER INSTALLATION DETAIL
NO SCALE



NOTE: ALONG CURB RAMPS, SLOPE OF DROP CURB TO MATCH CURB RAMP.

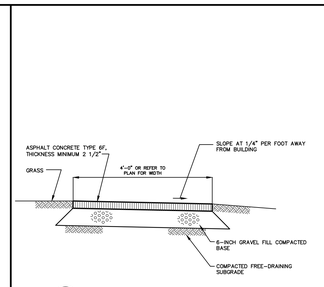
19 C500 DROP CURB
NO SCALE



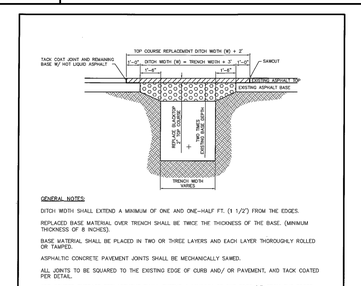
'H'	'A'	'B'
3'-6"	1'-0"	2'-6"
4'-6"	1'-6"	3'-0"
5'-6"	2'-0"	3'-6"

NOTE:
1. SITTING WALLS ARE NOT STRUCTURALLY CONNECTED TO THE BUILDING FOUNDATION.
2. 4" DIAMETER SCUPPERS AS REQUIRED BY SITE PLAN OR AS OTHERWISE INDICATED BY THE ENGINEER.
3. LIGHTING – AS REQUIRED BY SITE PLAN OR OTHERWISE INDICATED BY THE ARCHITECT.

20 C500 SITTING WALL
NO SCALE



21 C500 ASPHALT SIDEWALK
NO SCALE



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.

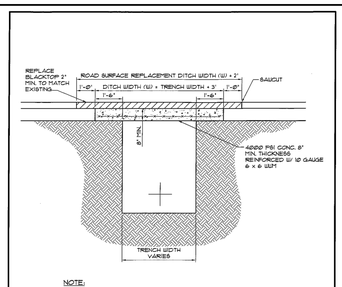
ALL JOINTS TO BE SQUARED TO THE EXISTING EDGE OF CURB AND/ OR PAVEMENT, AND TACK COATED PER DETAIL.

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 62 CIVIC CENTER PLAZA POUGHKEEPSIE, NY 12601	FILE NO.: 001-DET	FLEXIBILE PAVEMENT DETAIL 1
	DATE: 2-27-12	
	SCALE: AS NOTED	
	DRAWN BY: JP	PAGE NO.



NOTE:
CONTRACTOR TO PROVIDE ALL NECESSARY PLATING TO FACILITATE CONCRETE CURING OPERATIONS

RIGID PAVEMENT AND TRENCH LIMITS DETAIL
SCALE: N.T.S.

CITY OF POUGHKEEPSIE ENGINEERING DEPARTMENT 62 CIVIC CENTER PLAZA POUGHKEEPSIE, NY 12601	FILE NO.: 001-DET	RIGID PAVEMENT DETAIL 1
	DATE: 5-16-06	
	SCALE: AS NOTED	
	DRAWN BY: JP	PAGE NO.

NO.	DATE	REVISION	BY
2	9/2/22	PER COMMENTS / SITE CHANGE	JVA
1	5/3/22	PER COMMENTS	JVA

NORTH ARROW

• Alteration of this drawing, except by a Licensed Professional Engineer or Architect is illegal. Add alteration by a Professional Engineer or Architect must have his signature and date of alteration.
• The user of this drawing shall verify all dimensions shown on the drawing.
• This line is one inch long

DRAWN BY:	KMC
CHECKED BY:	JVA
DATE:	FEB 2022
SCALE:	AS NOTED

ROHDE, SOYKA & ANDREWS
Consulting Engineers PC
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40 Garden Street

117 NORTH HAMILTON STREET
NORTH HAMILTON STREET
DUTCHESS COUNTY, NEW YORK

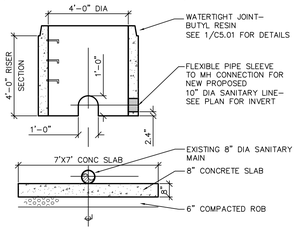
DETAILS #1

PROJECT NUMBER: 21-786-01

DRAWING NUMBER: C500

6 OF 9

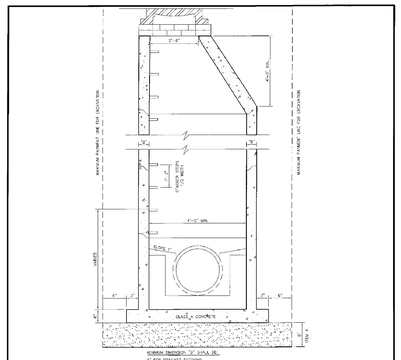
(RISER SECTIONS TO BE PROVIDED TO GRADE)



NOTES:

1. EXISTING SANITARY LINE TO BE EXCAVATED TO A DEPTH OF 14–INCHES +/– BELOW PIPE.
2. 7–FT X 7–FT CONCRETE SLAB SHALL BE POURED AND CENTERED BENEATH PIPE. CONCRETE SHALL BE 4000 PSI FIBER REINFORCED. FIBERS TO BE POLY PROPYLENE FIBERS FOR CONCRETE AT NOT LESS THAN 1.0 LB/CY
3. DOGHOUSE SECTION SHALL BE LOWERED IN PLACE OVER THE EXISTING 8" SANITARY LINE.
4. CONCRETE SHALL BE POURED TO A DEPTH OF 6–INCHES AND THE FORMING OF THE CHANNEL FOR THE PROPOSED 10–INCH SANITARY LINE SHALL BE COMPLETED.
5. THE INLET AND OUTLET OF THE DOGHOUSE SHALL BE CEMENTED AND TAR COATED TO INSURE WATER TIGHTNESS.
6. THE MANHOLE WILL THEN BE HYDROSTATICALLY OR VACUUM TESTED PRIOR TO BACKFILLING TO ENSURE WATER TIGHTNESS.
7. THE EXISTING 8–INCH MAIN WILL BE REMOVED FOR THE COMPLETION OF THE CHANNEL WITH ADDITIONAL CONCRETE

3 / C501 DOGHOUSE MANHOLE
NO SCALE



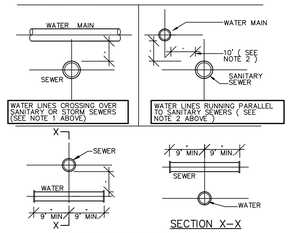
PRECASTE CONICAL TOP SECTIONS SHALL BE 4' IN DIAMETER AND SHALL HAVE WALL THICKNESS OF 5" FOR 4'-0" HIGH SECTIONS AND 7" FOR 8'-0" HIGH INTERMEDIATE SECTIONS MAY BE 1'-0" 2'-0" 4'-0" HIGH

NEW MANHOLE DETAIL
NOT TO SCALE
REMOVE AND REPLACE EXISTING MANHOLE WITH MANHOLE SECTIONS

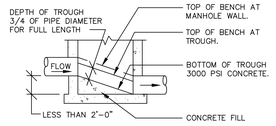
CITY OF POUGHKEEPSIE ENGINEERING DEPARTMENT 62 CIVIC CENTER PLAZA POUGHKEEPSIE, NY 12601	FILE NO.: MANHOLE DATE: 7-2-02 SCALE: N.T.S. DRAWN BY: JP	TYPICAL MANHOLE DETAIL	1 PAGE NO.

GENERAL NOTES

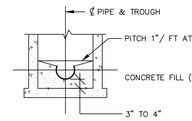
1. WATER LINES CROSSING OVER SANITARY OR STORM SEWERS SHALL HAVE A MINIMUM VERTICAL SEPARATION OF 18 INCHES FROM TOP OF SEWER TO BOTTOM OF WATER LINE.
2. WATER LINES RUNNING PARALLEL TO SANITARY SEWERS SHALL MAINTAIN A VERTICAL SEPARATION OF 18 INCHES ABOVE THE SEWER AND A HORIZON– TAL SEPARATION OF 10 FEET FROM THE SEWER. SANITARY SEWERS LOCA– ED NEARER THAN THIS MINIMUM SEPARATION REQUIREMENT SHALL BE DUCTILE IRON, CLASS 52, CEMENT LINED, MECHANICAL JOINT PRESSURE PIPE.
3. WATER LINES CROSSING UNDER SANITARY OR STORM SEWERS SHALL HAVE:
   A. A MINIMUM VERTICAL SEPARATION OF 18" FROM TOP OF WATER LINE TO BOTTOM OF SEWER (UNLESS SHOWN OTHERWISE).
   B. ADDITIONAL STRUCTURAL SUPPORT FOR THE SEWER TO PREVENT DEFLECTION.
   C. THE 18 FOOT LENGTH OF WATER PIPE SHALL BE CENTERED AT THE POINT OF CROSSING SUCH THAT THE JOINTS WILL BE EQUIDISTANT FROM THE SEWER.



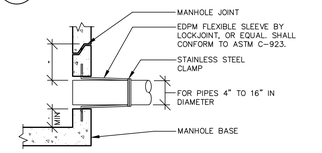
5 / C501 WATER AND SEWER SEPARATION DISTANCES
NO SCALE



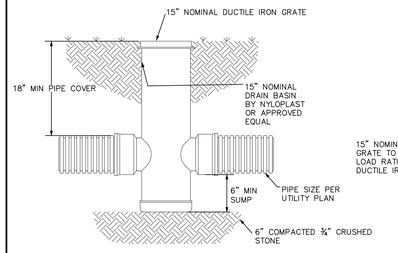
6 / C501 SECTION ALONG MANHOLE TROUGH
NO SCALE



7 / C501 SECTION THRU MANHOLE TROUGH
NO SCALE

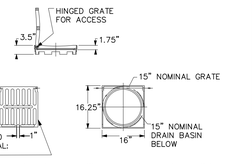


8 / C501 FLEXIBLE CONNECTION AT MANHOLE FOR PIPES 4" TO 16"
NO SCALE

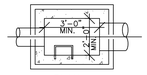


NOTE:
BACK–FILL MATERIAL FOR THE SIDES OF THE STRUCTURE SHALL BE NATIVE MATERIAL IF SUITABLE, (NO PARTICLES LARGER THAN 4" IN DIAMETER). BACK–FILL SHALL BE PLACED UNIFORMLY IN 12" LIFTS AND COMPACTED TO A MINIMUM OF 90%

9 / C501 DRAINBASIN – GRASSED AREAS
NO SCALE



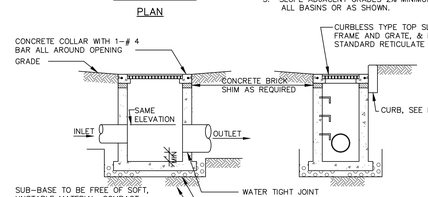
DRAINBASIN STANDARD GRATE
FOR MH–1 USE SOLID COVER



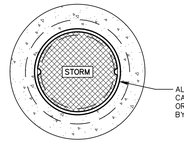
PLAN

NOTES

1. ALL BASINS ARE TO BE PRECAST CONCRETE DESIGNED FOR H–20 HIGHWAY LOADING PLUS PLUS 25% IMPACT.
2. ALL COMPONENTS TO CONFORM TO NYSDOT NYSDOT SPECIFICATIONS, LATEST EDITION.
3. SLOPE ADJACENT GRADES 2% MINIMUM TO ALL BASINS OR AS SHOWN.

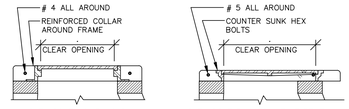


14 / C501 CURBLESS TYPE CATCHBASIN (ROADS AND PARKING AREAS)
NO SCALE



ALL LIDS TO BE HEAVY DUTY CAST IRON, LETTERED 'STORM' OR 'SANITARY SEWER', TYPE C PATTERN BY NEENAH, OR EQUAL

PLAN

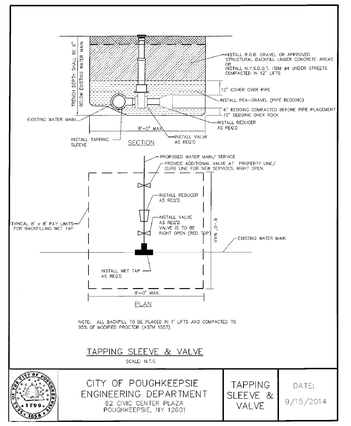


CATALOGUE NO. R–1642 FOR STORM MANHOLES
TYPE 'A' LID & FRAME

CATALOGUE R–6078 WITH TYPE–E LOCK FOR CAST IN PLACE CONDITION
TYPE 'B' LID & FRAME

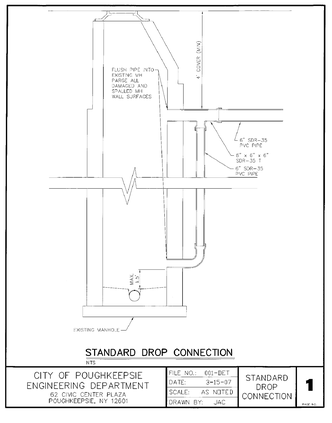
SECTION

10 / C501 MANHOLE LID & FRAME
NO SCALE



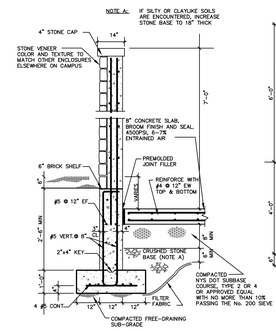
TAPPING SLEEVE & VALVE

CITY OF POUGHKEEPSIE ENGINEERING DEPARTMENT 62 CIVIC CENTER PLAZA POUGHKEEPSIE, NY 12601	TAPPING SLEEVE & VALVE	DATE: 9/15/2014

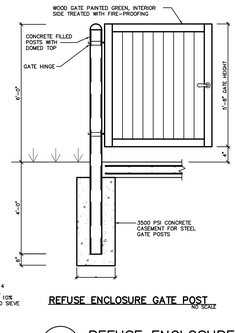


STANDARD DROP CONNECTION

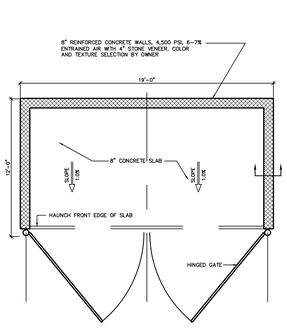
CITY OF POUGHKEEPSIE ENGINEERING DEPARTMENT 62 CIVIC CENTER PLAZA POUGHKEEPSIE, NY 12601	FILE NO.: 601–DET DATE: 3–15–97 SCALE: AS NOTED DRAWN BY: JAC	STANDARD DROP CONNECTION	1 PAGE NO.



REFUSE ENCLOSURE WALL SECTION
NO SCALE



REFUSE ENCLOSURE GATE POST
NO SCALE



REFUSE ENCLOSURE PLAN
NO SCALE

15 / C500 REFUSE ENCLOSURE
NO SCALE

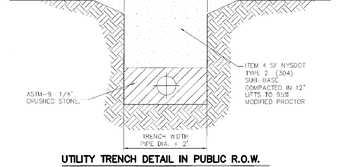
PLAN

COPOLYMER POLYPROPYLENE PLASTIC MANHOLE STEP INSTALLED IN MANHOLE WALL WITH FLEX–LOK INSERT, BY MA INDUSTRIES, INC, PEACHTREE CITY, A GEORGIA OR EQUAL

NO, 3 DEFORMED STEEL ROD

SECTION A–A

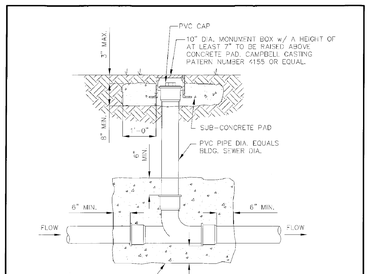
11 / C501 PLASTIC MANHOLE STEP
NO SCALE



UTILITY TRENCH DETAIL IN PUBLIC R.O.W.
SCALE: 1/4" = 1'–0"

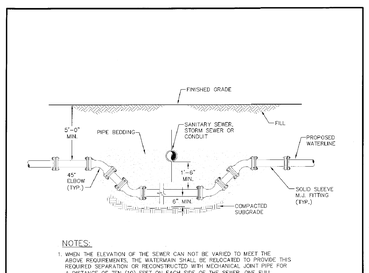
NOTES:
1. DITCH WIDTH SHALL EXTEND A MINIMUM OF ONE AND ONE–HALF FT. FROM THE EDGES OF THE TRENCH.
2. REPLACED BASE MATERIAL OVER TRENCH SHALL BE ITEM 4 COMPACTED IN 12" LIFTS.
3. PIPE BEDDING SHALL BE A MINIMUM OF 6" ABOVE AND BELOW PIPE
4. ALL JOINTS SHALL BE MECHANICALLY SEAMED.
5. ALL JOINTS SHALL 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. BINDER COURSE ASPHALT PAVEMENT TO BE PLACED IN TWO LIFTS.

CITY OF POUGHKEEPSIE ENGINEERING DEPARTMENT 62 CIVIC CENTER PLAZA POUGHKEEPSIE, NY 12601	PROJECT: ESRP DATE: 10–30–2018 SCALE: NTS DRAWN BY: JAC	TRENCH AND PAVEMENT DETAIL	4 PAGE NO.



RESIDENTIAL CLEAN–OUT DETAIL
SCALE: 3/4"=1'–0"

CITY OF POUGHKEEPSIE ENGINEERING DEPARTMENT 62 CIVIC CENTER PLAZA POUGHKEEPSIE, NY 12601	RESIDENTIAL SANITARY CLEAN–OUT	DATE: 9/22/2014



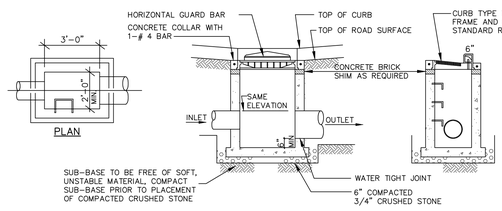
NOTES:
1. WHEN THE ELEVATION OF THE SEWER CAN NOT BE VARIED TO MEET THE ABOVE REQUIREMENTS, THE WATERMAIN SHALL BE RELOCATED TO PROVIDE THIS REQUIRED SEPARATION OR RECONSTRUCTED WITH MECHANICAL JOINT PIPE FOR A DISTANCE OF TEN (10) FEET ON EACH SIDE OF THE SEWER. ONE FULL LENGTH OF WATERMAIN SHALL BE CENTERED OVER THE SEWER SO THAT BOTH JOINTS WILL BE AS FAR AWAY FROM THE SEWER AS POSSIBLE.
2. WHEN IT IS IMPOSSIBLE TO OBTAIN VERTICAL SEPARATION AS STIPULATED ABOVE, BOTH THE WATERMAIN AND THE SEWERMAIN SHALL BE CONSTRUCTED OF SUP–ION OR OF MECHANICAL PIPE JOINTS, CAST IRON PIPE OR SDR 26 PVC COMPLYING WITH PUBLIC WATER SUPPLY DESIGN STANDARDS OF THE AGENCY AND BE PRESSURE TESTED TO 150 PSI TO ASSURE WATER TIGHTNESS.

WATERLINE OFFSET DETAIL
SCALE: N.T.S.

CITY OF POUGHKEEPSIE ENGINEERING DEPARTMENT 62 CIVIC CENTER PLAZA POUGHKEEPSIE, NY 12601	FILE NO.: 001–DET DATE: 3–6–00 SCALE: AS NOTED DRAWN BY: JP	WATERLINE OFFSET	1 PAGE NO.

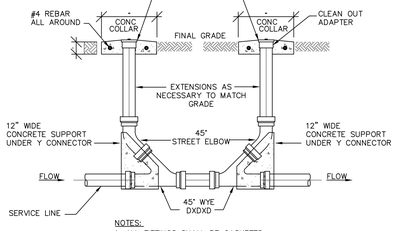
NOTES

1. ALL BASINS ARE TO BE PRECAST CONCRETE DESIGNED FOR H–20 HIGHWAY LOADING PLUS PLUS 25% IMPACT.
2. ALL COMPONENTS TO CONFORM TO NYSDOT NYSDOT SPECIFICATIONS, LATEST EDITION.
3. SLOPE ADJACENT GRADES 2% MINIMUM TO ALL BASINS OR AS SHOWN.



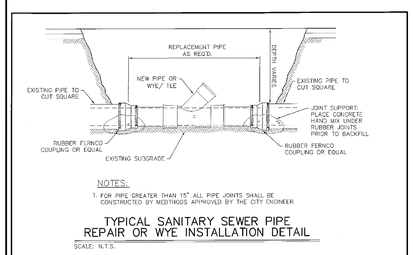
PLAN

15 / C501 CURB TYPE CATCHBASIN
NO SCALE



NOTES:
1. ALL FITTINGS SHALL BE GASKETED.
2. CLEAN OUTS SHALL BE SAME DIAMETER (D) AS SERVICE LINE.

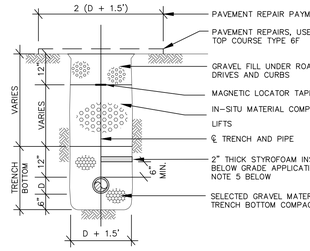
16 / C501 DOUBLE CLEANOUT
NO SCALE



NOTES:
1. FOR PIPE GREATER THAN 15" ALL PIPE JOINTS SHALL BE CONSTRUCTED BY MEETINGS APPROVED BY THE CITY ENGINEER

TYPICAL SANITARY SEWER PIPE REPAIR OR WYE INSTALLATION DETAIL
SCALE: N.T.S.

FILE: *.DWG DATE: 03–02–2009 SCALE: AS NOTED DRAWN BY: JTK	TYPICAL SANITARY SEWER PIPE REPAIR OR WYE INSTALLATION DETAIL	CITY OF POUGHKEEPSIE ENGINEERING DEPARTMENT 62 CIVIC CENTER PLAZA POUGHKEEPSIE, NY 12601	1 PAGE NO.



NOTE
1. REMOVE ALL ROCKS GREATER THAN 2" IN ANY DIMENSION FROM IN–SITU MATERIAL PRIOR TO BACKFILLING AND COMPACTING.
2. 5'–0" MIN COVER FROM TOP OF PIPE TO FINISHED GRADE FOR WATER. 4'–6" MIN COVER FROM TOP OF PIPE TO FINISHED GRADE FOR SEWER.
3. PLACE MAGNETIC LOCATOR TAPE 12" BELOW FINISHED GRADE FOR WATER AND SEWER.
4. BEDDING, PIPE ZONE MATERIAL AND TRENCH BACKFILL TO CONFORM TO TOWN OF POUGHKEEPSIE WATER NOTE #18 FOR WATER AND SANITARY AND SEWER NOTE #10 FOR SEWER. TOWN OF POUGHKEEPSIE NOTES ARE LOCATED ON C–4.
5. IF REQUIRED AND AUTHORIZED BY THE ENGINEER OR THE TOWN, INSULATION SHALL BE INSTALLED PER THIS NOTE AND DETAIL. INSULATION SHALL BE CENTERED ON THE PIPE AND EXTEND THE WIDTH OF THE TRENCH OR 2' MINIMUM WHICHEVER IS LESS.

13 / C501 TRENCHING
NO SCALE

BY	NO.	DATE	REVISION

NORTH ARROW

• Alteration of this drawing, except by a Licensed Professional Engineer or Architect in furtherance of his/her professional duties, is in violation of law. A licensed professional shall affix his/her signature and date of alteration.
• The user of this drawing shall verify all dimensions shown on the drawing and shall report any discrepancies to the Engineer and date of alteration.
• This line is one inch long when printed on a full size drawing

DRAWN BY:	KMC
CHECKED BY:	JVA
DATE:	FEB 2022
SCALE:	AS NOTED

ROHDE, SOYKA & ANDREWS
Consulting Engineers PC
Poughkeepsie, N.Y. 12601
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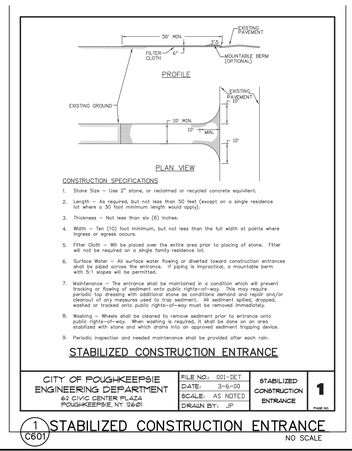
Fax: (845) 452–2810
40 Garden Street

117 NORTH HAMILTON
NORTH HAMILTON STREET
POUGHKEEPSIE, TOWN OF
DUTCHESS COUNTY, NEW YORK

DETAILS #2

PROJECT NUMBER: 21–786–01

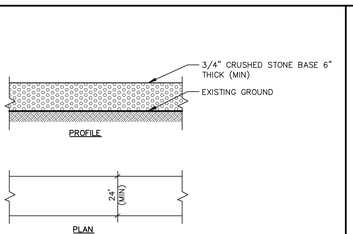
DRAWING NUMBER: C501
7 OF 9



STABILIZED CONSTRUCTION ENTRANCE

CITY OF POUGHKEEPSIE ENGINEERING DEPARTMENT 62 CIVIC CENTER PLAZA POUGHKEEPSIE, NY 12601	FILE NO.: 001-SET DATE: 3-6-00 SCALE: AS NOTED DRAWN BY: JP	STABILIZED CONSTRUCTION ENTRANCE	1 PAGE NO.

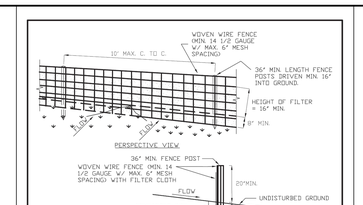
1 C601 STABILIZED CONSTRUCTION ENTRANCE
NO SCALE



NOTE:

1. STONE-SIZE: USE NYS DOT SUB-BASE TYPES 1,2,3,4 OR EQUIVALENT AS SPECIFIED. LARGER STONE CAN BE USED IN AREAS WITH HEAVY CONSTRUCTION EQUIPMENT TRAFFIC.
2. THICKNESS: NOT LESS THAN SIX (6) INCHES.
3. WIDTH: 24' MINIMUM.
4. DRAINAGE: PROVIDE SURFACE DRAINAGE AND DIVERT EXCESS RUNOFF TO STABILIZED AREAS.
5. ROAD GRADE: A MAXIMUM OF 12% IS RECOMMENDED, ALTHOUGH GRADES OF UP TO 15% ARE POSSIBLE FOR SHORT DISTANCES.
6. MAINTENANCE: INSPECT CONSTRUCTION ROADS PERIODICALLY. TOP DRESS WITH NEW GRAVEL AS NEEDED.

2 C601 STABILIZED CONSTRUCTION ROAD AND PARKING AREAS
NO SCALE



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 OVER-LAPPED 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.

CITY OF POUGHKEEPSIE ENGINEERING DEPARTMENT 62 CIVIC CENTER PLAZA POUGHKEEPSIE, NY 12601	SILT FENCE	DATE: 9/18/2014

3 C601 SILT FENCE
NO SCALE

EROSION AND SEDIMENT CONTROL NOTES

1. THE CONSTRUCTION MANAGER IS TO COORDINATE AND BE RESPONSIBLE FOR SITE EROSION AND SEDIMENT CONTROL. THE CONSTRUCTION MANAGER MAY DELEGATE EROSION AND SEDIMENT CONTROL DUTIES TO CONTRACTORS OR SUBCONTRACTORS BASED UPON THE FIRM WITH THE APPROPRIATE EQUIPMENT OR WHO IS RESPONSIBLE FOR CREATING A VIOLATION (IE SEDIMENT TRACKING, KNOCKING DOWN SILT FENCE, BY-PASSING STABILIZED CONSTRUCTION ENTRANCE, ETC). THE CONSTRUCTION MANAGER IS RESPONSIBLE FOR THE DAY TO DAY IMPLEMENTATION OF THE SWPPP AND PREVENTING SEDIMENT-LADEN DISCHARGES FROM THE CONSTRUCTION SITE.
2. ALL EROSION AND SEDIMENT CONTROL PRACTICES ARE TO BE INSTALLED PRIOR TO SOIL DISTURBANCE, OR IN THEIR PROPER SEQUENCE, AND MAINTAINED UNTIL PERMANENT PROTECTION OR STABILIZATION IS ESTABLISHED. VEGETATED AREAS ARE CONSIDERED TO HAVE ACHIEVED FINAL STABILIZATION ONCE 80% COVERAGE DENSITY HAS BEEN ACHIEVED.
3. ANY DISTURBED AREAS THAT WILL BE LEFT EXPOSED MORE THAN TEN (10) DAYS, AND NOT SUBJECT TO CONSTRUCTION TRAFFIC, WILL IMMEDIATELY RECEIVE A TEMPORARY SEEDING AND MULCHED WITH STRAW OR EQUIVALENT MATERIAL AT A RATE OF TWO (2) TONS PER ACRE, ACCORDING TO STATE STANDARDS.
4. PERMANENT VEGETATION TO BE SEEDED OR SODDED ON ALL EXPOSED AREAS WITHIN TEN (10) DAYS AFTER FINAL GRADING. MULCHING IS REQUIRED ON ALL SEEDING. WHEN HYDROSEEDING, REFER TO MANUFACTURER'S INSTRUCTIONS.
5. ALL WORK IS TO BE DONE IN ACCORDANCE WITH THE "NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL," LATEST EDITION.
6. IMMEDIATELY FOLLOWING INITIAL DISTURBANCE OR ROUGH GRADING, ALL CRITICAL AREAS SUBJECT TO EROSION (I.E., STEEP SLOPES) WILL RECEIVE A TEMPORARY SEEDING IN COMBINATION WITH STRAW MULCH OR A SUITABLE EQUIVALENT, AT A RATE OF TWO (2) TONS PER ACRE, ACCORDING TO STATE STANDARDS OR EROSION CONTROL MATTING.
7. THE STANDARD FOR STABILIZED CONSTRUCTION ENTRANCE REQUIRES THE INSTALLATION OF A STONE PAD OF 2" STONE A MINIMUM OF 6" THICK, AT ALL CONSTRUCTION DRIVEWAYS, PRIOR TO INITIAL SITE DISTURBANCE. THE OWNER IS TO PROVIDE THE LOCATION OF THE STABILIZED CONSTRUCTION ENTRANCE. THE OWNER SHALL DESIGNATE AN AREA OR AREAS FOR CONSTRUCTION VEHICLE PARKING.
8. AT THE TIME THE SITE PREPARATION FOR PERMANENT VEGETATIVE STABILIZATION IS GOING TO BE ACCOMPLISHED, ANY SOIL THAT WILL NOT PROVIDE A SUITABLE ENVIRONMENT TO SUPPORT ADEQUATE VEGETATIVE GROUND COVER, SHALL BE REMOVED OR TREATED IN SUCH A WAY THAT IT WILL PERMANENTLY ADJUST THE SOIL CONDITIONS AND RENDER IT SUITABLE FOR VEGETATIVE GROUND COVER. IF THE REMOVAL OR TREATMENT OF THE SOIL WILL NOT PROVIDE SUITABLE CONDITIONS, NONVEGETATIVE MEANS OF PERMANENT GROUND STABILIZATION WILL HAVE TO BE EMPLOYED.
9. UNFILTERED DEWATERING IS NOT PERMITTED. TAKE ALL NECESSARY PRECAUTIONS DURING ALL DEWATERING OPERATIONS TO MINIMIZE SEDIMENT TRANSFER. ANY DEWATERING METHODS USED MUST BE IN ACCORDANCE WITH STATE STANDARDS. DO NOT DISCHARGE DOWN STEEP SLOPES.
10. SHOULD THE CONTROL OF DUST AT THE SITE BE NECESSARY, THE SITE WILL BE SPRINKLED UNTIL THE SURFACE IS WET, TEMPORARY VEGETATIVE COVER SHALL BE ESTABLISHED OR MULCH SHALL BE APPLIED IN ACCORDANCE WITH STATE STANDARDS FOR EROSION CONTROL.
11. ALL SOIL WASHED, DROPPED, SPILLED, OR TRACKED OUTSIDE THE LIMIT OF DISTURBANCE OR ONTO PARKING LOTS, SIDEWALKS OR PUBLIC RIGHTS-OF-WAY SHALL BE REMOVED IMMEDIATELY.
12. THE PROPERTY OWNER SHALL BE RESPONSIBLE FOR ANY EROSION AND SEDIMENTATION THAT MAY OCCUR OFF-SITE AS A RESULT OF CONSTRUCTION OF THE PROJECT.
13. STOCKPILE AND STAGING LOCATIONS DETERMINED IN THE FIELD SHALL BE PLACED WITHIN THE LIMITS OF DISTURBANCE ACCORDING TO THE CERTIFIED PLAN. STAGING AND STOCKPILES NOT LOCATED WITHIN THE LIMITS OF DISTURBANCE WILL REQUIRE A REVISED EROSION AND SEDIMENT CONTROL PLAN. THE OWNER RESERVES THE RIGHT TO DETERMINE WHEN A NEW AND SEPARATE EROSION AND SEDIMENT CONTROL PLAN WILL BE REQUIRED FOR THESE ACTIVITIES.
14. ALL SOIL STOCKPILES ARE TO BE TEMPORARILY STABILIZED IN ACCORDANCE WITH THE EROSION AND SEDIMENT CONTROL PLAN. SURROUND THE SOIL STOCKPILE WITH A RING OF SILT FENCE. DO NOT LOCATE A STOCKPILE AREA WITHIN 100 FEET OF A WETLAND BOUNDARY. DO NOT LOCATE A STOCKPILE AREA CLOSER THAN 20 FEET TO THE TOP OF A STEEP SLOPE. TEMPORARILY SEED OR COVER THE SOIL STOCKPILE IF IT WILL NOT BE DISTURBED FOR TEN (10) DAYS.
15. ALL PERMANENT EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED BY THE PROPERTY OWNER, AND SHALL BECOME THEIR RESPONSIBILITY.
16. PAVEMENT AREAS ARE TO BE KEPT CLEAN AT ALL TIMES. ALL ROADS/DRIVEWAYS ARE TO BE SWEPT CLEAN AT THE END OF EACH WORKDAY OR AS MAY OTHERWISE BE DICTATED BY THE WORK BEING PERFORMED. PLEASE ALSO SEE NOTE 11. ALL PARKING LOTS, AND ACTIVE PEDESTRIAN WALKS ARE TO BE KEPT CLEAN ON A CONTINUOUS BASIS WHICH MAY REQUIRE MORE FREQUENT SWEEPING.
17. DURING CONSTRUCTION, ANY ADDITIONAL CONTROL MEASURES AS DEEMED NECESSARY TO PREVENT EROSION OR CONTROL SEDIMENT BEYOND THOSE MEASURES SHOWN ON THE APPROVED PLAN SHALL BE INSTALLED OR EMPLOYED AT THE DIRECTION OF THE ENGINEER, THE OWNER, THE PROJECT MANAGER OR THE CONSTRUCTION MANAGER.
18. AFTER CONSTRUCTION IS COMPLETE AND FINAL STABILIZATION HAS BEEN ACHIEVED, REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL PRACTICES. INSPECT ALL PREVIOUSLY SEEDED GRASS/LAWN AREAS FOR BARE OR THIN SPOTS AND RE-SEED AND MULCH AS NEEDED.
19. IN ACCORDANCE WITH GP-0-20-001, A FINAL STABILIZATION INSPECTION AND SIGN-OFF BY THE LOCAL MS4 IS REQUIRED BEFORE THE NOTICE OF TERMINATION (NOT) CAN BE FILED WITH NYSDEC.

CONSTRUCTION SEQUENCE

1. PRE-CONSTRUCTION

A. PRE-CONSTRUCTION MEETING
1. CONSTRUCTION MANAGERS, CONTRACTORS AND SUBCONTRACTORS PERFORMING EARTH-DISTURBING ACTIVITIES MUST ATTEND PRE-CONSTRUCTION MEETING. THE MEETING IS TO BE COORDINATED BY THE CONSTRUCTION MANAGERS.

2. CONSTRUCTION MANAGERS, CONTRACTORS, AND SUBCONTRACTORS PERFORMING EARTH DISTURBING ACTIVITIES MUST PROVIDE SIGNED CONTRACTOR CERTIFICATIONS AND IDENTIFY THE "TRAINED CONTRACTOR WHO WILL BE ON-SITE ON A DAILY BASIS IN ACCORDANCE WITH NYSDEC SPDES GENERAL PERMIT FOR STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITIES, GP-0-20-001. THE TRAINING CERTIFICATE NUMBER FOR THE "TRAINED CONTRACTOR" MUST BE PROVIDED IN ACCORDANCE WITH CITY OF POUGHKEEPSIE.

3. IN ADDITION, THE "QUALIFIED INSPECTOR," SWPPP PREPARER, MS4 EROSION & SEDIMENT CONTROL INSPECTOR, AND OWNER'S REPRESENTATIVE MUST ATTEND THE PRE-CONSTRUCTION MEETING.

B. MARK LIMITS OF DISTURBANCE

C. DIVERT OFF-SITE, CLEAN RUNOFF FROM ENTERING AREAS TO BE DISTURBED.

D. ESTABLISH CONSTRUCTION ENTRANCE(S)
1. ANY SEDIMENT TRACKED ONTO PUBLIC OR PRIVATE ROADWAYS, PARKING LOTS OR SIDEWALKS OUTSIDE THE CONSTRUCTION AREA IS TO BE CLEANED/REMOVED ON A DAILY BASIS.
2. PRESERVE EXISTING ASPHALT WHERE POSSIBLE FOR USE AS CONSTRUCTION ENTRANCES AND CONSTRUCTION ROUTES.

E. ESTABLISH CONTRACTOR PARKING AND STAGING AREAS, IN ACCORDANCE WITH OWNER'S PREFERENCES. PROVIDE CONTRACTOR PARKING AND STAGING AREA STABILIZATION PRIOR TO USE.

F. INSTALL EROSION CONTROL MEASURES, SUCH AS SILT FENCE AND CATCHBASIN INLET PROTECTION, BEFORE LAND GRADING BEGINS.
1. SILT FENCE IS TO BE INSTALLED PARALLEL TO CONTOURS

G. INSTALL TREE PROTECTION FENCING.

2. CONSTRUCTION

A. LIMIT INITIAL GRADING TO AREAS THAT ARE NEEDED FOR EROSION AND SEDIMENT CONTROL.

B. STOCKPILE TOPSOIL AWAY FROM DRAINAGE PATHS, WATERBODIES AND THE TOP OF STEEP SLOPES. STABILIZE AS SOON AS POSSIBLE.

C. AVOID DISTURBANCE OF STEEP SLOPES
1. IF DISTURBANCE ON STEEP SLOPES IS REQUIRED, MINIMIZE AREA TO BE DISTURBED AND AMOUNT OF TIME SOIL WILL BE DISTURBED. PLAN STEEP SLOPE DISTURBANCE DURING DRY WEATHER AND WHEN SOILS ARE NOT SATURATED. STABILIZE STEEP SLOPE DISTURBANCE AT THE END OF EACH WORKDAY. PROVIDE FINAL STABILIZATION AS SOON AS WORK ON THE STEEP SLOPE IS COMPLETED.

D. COMMENCE GENERAL SITE CONSTRUCTION

E. STABILIZE EXPOSED SOIL AS SOON AS POSSIBLE. IN AREAS WHERE SOIL DISTURBANCE ACTIVITY HAS BEEN TEMPORARILY OR PERMANENTLY CEASED, TEMPORARY AND/OR PERMANENT SOIL STABILIZATION MEASURES SHALL BE INSTALLED AND/OR IMPLEMENTED WITHIN TEN (10) DAYS FROM THE DATE THE SOIL DISTURBANCE ACTIVITY CEASED.

F. DIRECT ANY SEDIMENT RUNOFF INTO SEDIMENTATION TRAPS. IF THERE IS A SEDIMENTATION PROBLEM IN AN AREA WHERE THERE IS NO SEDIMENTATION TRAP CALLED FOR ON THE PLAN, CREATE A SEDIMENTATION TRAP AND NOTE ITS LOCATION ON THE STORMWATER DRAWING.

G. PREVENT SEDIMENT FROM BEING TRANSPORTED OFF-SITE.

H. ANY SEDIMENT TRACKED ONTO ROADS, PARKING LOTS, OR ACTIVE PEDESTRIAN WALKS SHALL BE SWEPT, AS NEEDED, BUT NOT LESS THAN ONE (1) TIME PER DAY.

3. MAINTENANCE AND INSPECTION DURING CONSTRUCTION

A. ALL EROSION AND SEDIMENT CONTROL MEASURES MUST BE MAINTAINED ON A REGULAR SCHEDULE DURING CONSTRUCTION.

B. INSPECTIONS MUST BE PERFORMED AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS BY QUALIFIED PROFESSIONAL AS OUTLINED IN GP-0-20-001.

C. CONTRACTORS RESPONSIBLE FOR EROSION AND SEDIMENT CONTROL ARE TO INSPECT ALL PRACTICES AT LEAST ONCE A WEEK AND AFTER EVERY RAIN EVENT.

D. ENSURE THAT ALL PRACTICES ARE OPERATING AS DESIGNED.

E. ENSURE THAT NO SEDIMENT IS BEING TRANSPORTED OFF-SITE OR IS ENTERING THE DRAINAGE SYSTEM.

F. LOOK FOR EVIDENCE OF EROSION IN DISTURBED PORTIONS OF THE SITE.

G. ENSURE THAT SEDIMENT IS NOT BEING TRACKED ONTO PUBLIC OR PRIVATE ROADS, PARKING LOTS OR SIDEWALKS OUTSIDE THE CONSTRUCTION AREA.

H. RETAIN COPIES OF INSPECTION REPORTS ON-SITE WITH THE SWPPP. CONSTRUCTION MANAGER IS TO MAINTAIN SWPPP AND INSPECTION REPORTS ON-SITE.

4. FINAL GRADING & LANDSCAPING

A. ONCE CONSTRUCTION IS NEARING COMPLETION, IDENTIFY THE FINAL GRADING AND STABILIZATION PLAN.

B. ALL BARE AREAS MUST RECEIVE COVER. PERMANENT TOPSOIL AND VEGETATION SHOULD BE PLACED WHERE APPROPRIATE. REFER TO LANDSCAPING PLANS.

C. AREAS USED FOR CONSTRUCTION STAGING AND AREAS THAT WERE PREVIOUSLY IMPERVIOUS AND ARE NOW LAWN AREA ARE TO BE DE-COMPACTED PRIOR TO SPREADING OF TOPSOIL, SEED AND MULCH. REFER TO SWPPP FOR ADDITIONAL INFORMATION ON DE-COMPACTION.

D. OTHER AREAS SHALL RECEIVE COVER, SUCH AS STONE, MULCH OR RIPRAP, AS APPROPRIATE.

E. STABILIZATION MUST BE UNDERTAKEN NO LATER THAN 10 DAYS AFTER CONSTRUCTION ACTIVITY HAS CEASED.

F. FINAL PLANTING SCHEDULE TO BE DETERMINED BY LANDSCAPE ARCHITECT. IF CONSTRUCTION IS NEARING COMPLETION AT A TIME OF YEAR WHEN PLANTING IS NOT RECOMMENDED, PROVIDE TEMPORARY SEED AND MULCH IN PLACE OF LANDSCAPING UNTIL CONDITIONS ARE APPROPRIATE FOR FINAL PLANTING.

G. REMOVE TEMPORARY EROSION CONTROL MEASURES THAT WILL INTERFERE WITH FINAL GRADING AND LANDSCAPING.

5. POST-CONSTRUCTION

A. ENSURE THAT THE PERMANENT PRACTICES UTILIZED DURING CONSTRUCTION ARE SUITABLE TO FIT POST-CONSTRUCTION SITE CONDITIONS.

B. MINIMIZE THE RISK OF CONCENTRATED FLOW AND EROSION.

C. CLEAN AND PREPARE PERMANENT PRACTICES TO BE TURNED OVER TO THE OWNER/OPERATOR. PREPARE MANUAL AND DISCUSS OPERATION AND MAINTENANCE OF THE PERMANENT PRACTICE WITH THE OWNER/OPERATOR OR REPRESENTATIVE.

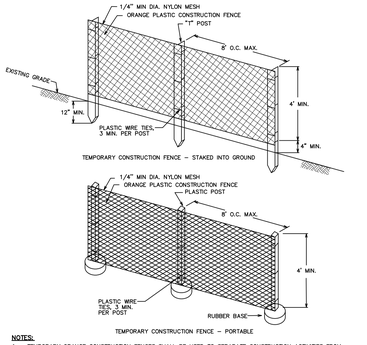
D. REMOVE TEMPORARY EROSION AND SEDIMENT CONTROL PRACTICES, SUCH AS SILT FENCE.

E. INSPECT PREVIOUSLY SEEDED GRASS/LAWN AREAS FOR BARE OR THIN SPOTS. RE-SEED AND MULCH AS NEEDED. WITH REMOVAL OF TEMPORARY E&SC PRACTICES, SUCH AS SILT FENCE, SEED AND MULCH AS NEEDED.

F. IN ACCORDANCE WITH GP-0-20-001, A FINAL STABILIZATION INSPECTION AND SIGN-OFF BY THE LOCAL MS4 IS REQUIRED BEFORE THE NOTICE OF TERMINATION (NOT) CAN BE FILED WITH NYSDEC.

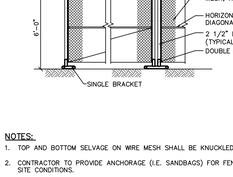
EROSION AND SEDIMENT CONTROL MEASURES INSPECTION FREQUENCY

MEASURE	INSPECTION FREQUENCY	REPLACEMENT
SILT FENCE	ONCE PER WEEK/AFTER RAIN EVENT	WHEN BULGING, TORN OR KNOCKED DOWN.
STABILIZED CONSTRUCTION ENTRANCE	ONCE PER WEEK/AFTER RAIN EVENT	TOPDRESS STONE WHEN THERE IS EVIDENCE OF SEDIMENT TRACKED OUTSIDE CONSTRUCTION AREA. FULL REPLACEMENT WHEN TOPDRESSING IS NO LONGER EFFECTIVE.
CATCHBASIN INLET PROTECTION	ONCE PER WEEK/AFTER RAIN EVENT	RE-SHAPE STONE AS NEEDED. REMOVE BUILT-UP SEDIMENT AFTER 50% OF STORAGE VOLUME IS FILLED.
STONE CHECK DAM	ONCE PER WEEK/AFTER RAIN EVENT	RE-SHAPE STONE AS NEEDED. REPLACE STONE AS NEEDED. REMOVE BUILT-UP SEDIMENT.
TREE PROTECTION FENCING	ONCE PER WEEK/AFTER RAIN EVENT	REPLACE FENCE IF TORN OR KNOCKED DOWN.
ROAD SWEEPING	AS NEEDED. MULTIPLE TIMES PER DAY IF SEDIMENT IS TRACKED ONTO ROADS OUTSIDE CONSTRUCTION AREA.	
DUST CONTROL	AS NEEDED	
SOIL STOCKPILE	ONCE PER WEEK/AFTER RAIN EVENT	RE-SEED & MULCH IF BARE SPOTS ARE VISIBLE. REPLACE SILT FENCE WHEN BULGING, TORN OR KNOCKED DOWN
LITTER	DAILY	LITTER IS TO BE PICKED UP AT THE END OF EVERY WORK DAY, TO PREVENT LITTER FROM BEING BLOWN OFF-SITE OR ENTERING WATERWAYS. CONSTRUCTION MANAGER TO ENSURE CONTRACTORS AND SUBCONTRACTORS ARE USING WASTE RECEPTACLES PROVIDED. CONSTRUCTION MANAGERS TO PROVIDE ADDITIONAL WASTE RECEPTACLES AS NEEDED.



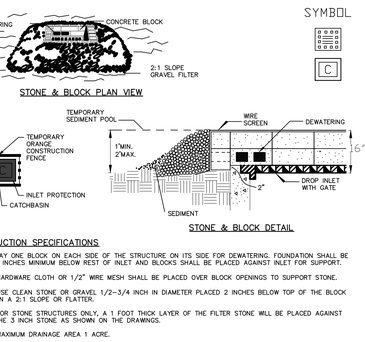
NOTES:
1. TEMPORARY ORANGE CONSTRUCTION FENCES SHALL BE USED TO SEPARATE CONSTRUCTION ACTIVITIES FROM PEDESTRIANS.
2. ALL TEMPORARY ORANGE CONSTRUCTION FENCING SHALL BE PLASTIC, 48" MINIMUM HEIGHT AND ORANGE IN COLOR.
3. TEMPORARY ORANGE CONSTRUCTION FENCE USED TO SEPARATE SIDEWALKS FROM CONSTRUCTION ACTIVITIES SHALL HAVE MINIMUM ENCROACHMENT TO THE SIDEWALK.
4. CONTRACTOR TO PROVIDE ANCHORAGE (I.E. SANDBAGS) FOR FENCE IF REQUIRED BY SITE CONDITIONS.

4 C601 TEMPORARY ORANGE CONSTRUCTION FENCE
NO SCALE



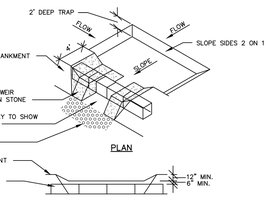
NOTES:
1. TOP AND BOTTOM SELVAGE ON WIRE MESH SHALL BE KNUCKLED.
2. CONTRACTOR TO PROVIDE ANCHORAGE (I.E. SANDBAGS) FOR FENCE IF REQUIRED BY SITE CONDITIONS.
3. ATTACH OPAQUE SCREEN TO FENCE; MINIMUM 2-FT GAP BETWEEN GROUND SURFACE AND BOTTOM OF OPAQUE SCREEN.

5 C601 TEMPORARY CHAIN LINK PANEL FENCE DURING CONSTRUCTION
NO SCALE



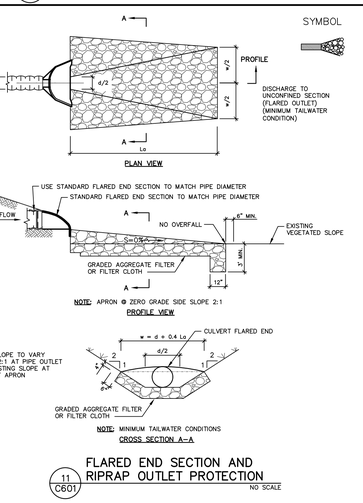
CONSTRUCTION SPECIFICATIONS
1. LAY ONE BLOCK ON EACH SIDE OF THE STRUCTURE ON ITS SIDE FOR DEWATERING. FOUNDATION SHALL BE 2 INCHES MINIMUM BELOW REST OF INLET AND BLOCKS SHALL BE PLACED AGAINST INLET FOR SUPPORT.
2. HARDWARE CLOTH OR 1/2" WIRE MESH SHALL BE PLACED OVER BLOCK OPENINGS TO SUPPORT STONE.
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.
5. MAXIMUM DRAINAGE AREA 1 ACRE.
6. PROTECT INLET PROTECTION FROM DAMAGE BY CONSTRUCTION TRAFFIC; SURROUND WITH TEMPORARY ORANGE CONSTRUCTION FENCE.
7. IN PAVED AREAS, ELIMINATE CONCRETE BLOCK FOR DEWATERING. USE STONE/GRAVEL FILTER.

6 C601 STONE AND BLOCK DROP INLET PROTECTION
NO SCALE

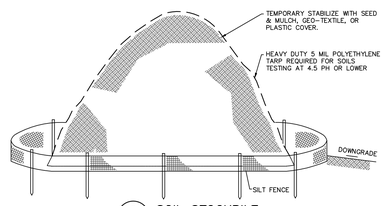


CONSTRUCTION SPECIFICATIONS
1. AREA UNDER EMBANKMENT SHALL BE CLEARED, GRUBBED, AND STRIPPED OF ANY VEGETATION AND ROOT MATERIAL. THE TRAP AREA SHALL BE CLEARED.
2. THE FILL MATERIAL FOR THE EMBANKMENT SHALL BE FREE OF ROOTS OR OTHER WOODY VEGETATION AS WELL AS OVERSIZED STONES, ROCKS, ORGANIC MATERIAL OR OTHER QUESTIONABLE MATERIAL. THE EMBANKMENT SHALL BE COMPACTED BY TRAVERSING WITH EQUIPMENT WHILE IT IS BEING CONSTRUCTED.
3. SEDIMENT SHALL BE REMOVED AND TRAP RESTORED TO ITS ORIGINAL DIMENSION WHEN THE SEDIMENT HAS ACCUMULATED TO 1/2 THE DESIGN DEPTH OF THE TRAP. REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.
4. THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN AND REPAIRS MADE AS NECESSARY.
5. CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND WATER POLLUTION IS MINIMIZED.
6. THE STRUCTURE SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.
7. ALL CUT AND FILL SLOPES SHALL BE 2 ON 1 OR FLATTER.
8. THE CRUSHED STONE USED IN THE OUTLET SHALL MEET AASHTO DESIGNATION M43, SIZE NO. 2, OR 24 OR ITS EQUIVALENT SUCH AS MSHA NO. 2 GRAVEL MEETING THE ABOVE GRADATION MAY BE USED IF CRUSHED STONE IS NOT AVAILABLE. CRUSHER RUN IS NOT ACCEPTABLE.

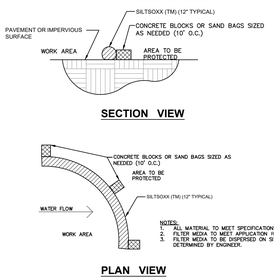
7 C601 STONE OUTLET SEDIMENT TRAP
NO SCALE



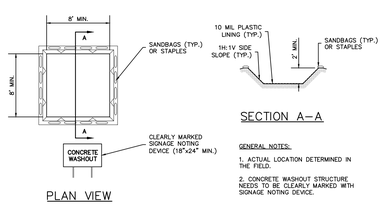
11 C601 FLARED END SECTION AND RIPRAP OUTLET PROTECTION
NO SCALE



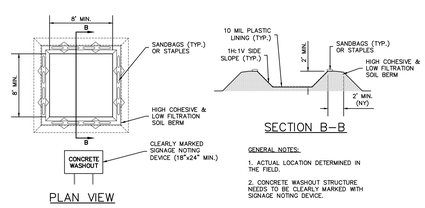
9 C601 SOIL STOCKPILE
NO SCALE



SILTSOXX (tm) SEDIMENT CONTROL ON PAVEMENT
1 G-1
NO SCALE



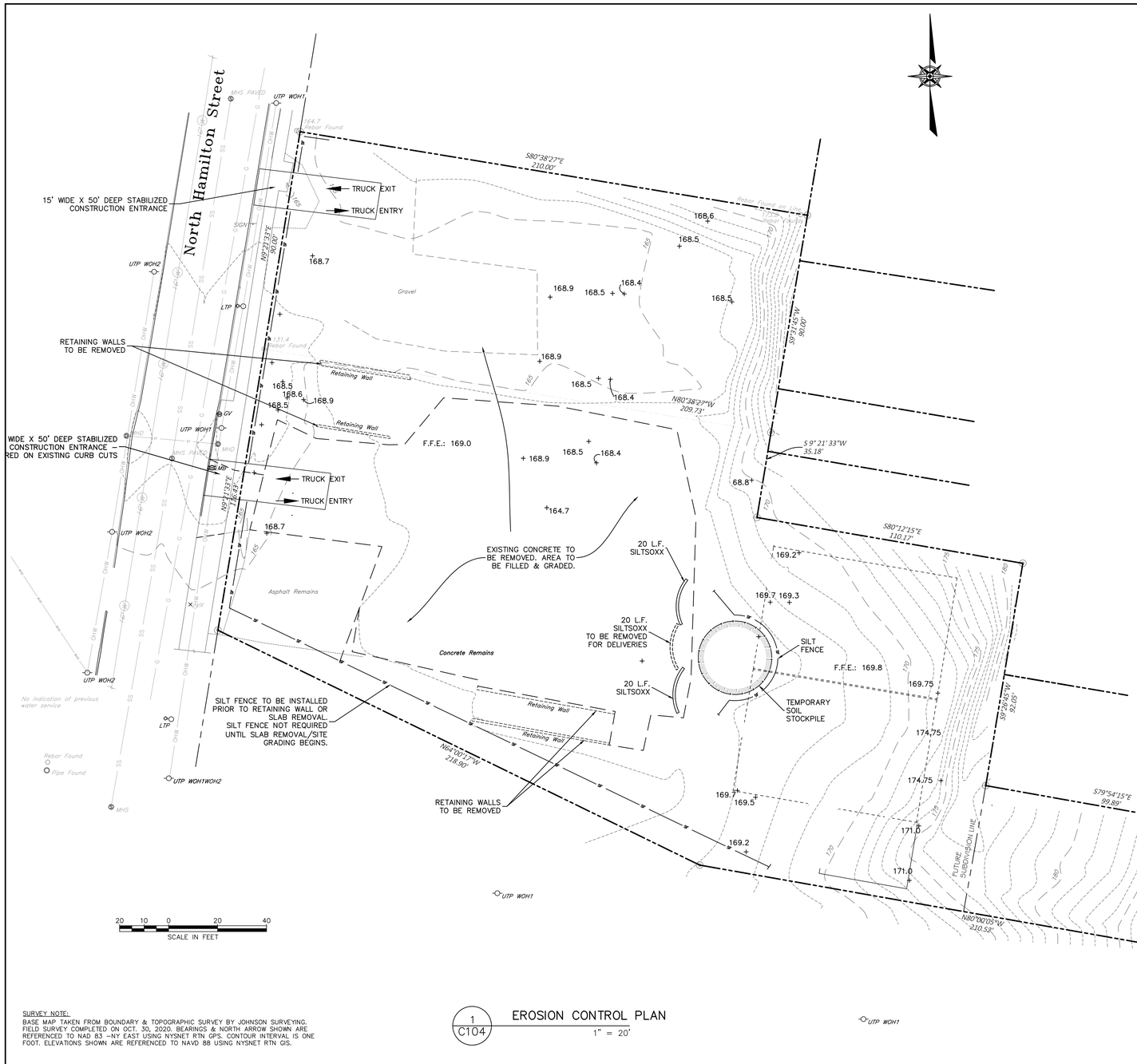
BELOW GRADE WASHOUT STRUCTURE



ABOVE GRADE WASHOUT STRUCTURE

WASHOUT NOTES

1. ALL CONCRETE WASHOUT FACILITIES SHALL BE INSPECTED DAILY. DAMAGED OR LEA



SURVEY NOTE:
BASE MAP TAKEN FROM BOUNDARY & TOPOGRAPHIC SURVEY BY JOHNSON SURVEYING. FIELD SURVEY COMPLETED ON OCT. 30, 2020. BEARINGS & NORTH ARROW SHOWN ARE REFERENCED TO NAD 83 -NY EAST USING NYSNET RTN GPS. CONTOUR INTERVAL IS ONE FOOT. ELEVATIONS SHOWN ARE REFERENCED TO NAVD 88 USING NYSNET RTN GIS.

1 / C104 EROSION CONTROL PLAN
1" = 20'

LEGEND

- EX. FLOOD ZONE LIMIT
- EX. PROPERTY LINE
- EX. ADJACENT PROPERTY LINE
- EX. MINOR CONTOUR
- EX. MAJOR CONTOUR
- EX. RETAINING WALL
- EX. FENCE
- EX. ASPHALT LIMIT
- EX. GRAVEL LIMIT
- EX. CONCRETE LIMIT
- EX. CONCRETE CURB
- EX. OVERHEAD WIRES WITH UTILITY POLE
- EX. SANITARY SEWER LINE & MANHOLE
- EX. STORMWATER LINE & DRAINAGE MANHOLE
- EX. GAS LINE WITH GAS VALVE
- EX. WATER LINE
- EX. LIGHT POLE
- EX. MAILBOX
- EX. HYDRANT
- EX. CATCH BASIN
- EX. SIGN
- SILTSOXX (TM)
- SILT FENCE
- SOIL STOCKPILE
- 15' WIDE X 50' LONG STABILIZED CONSTRUCTION ENTRANCE

EROSION AND SEDIMENT CONTROL NOTES

1. THE OWNER IS TO COORDINATE AND BE RESPONSIBLE FOR SITE EROSION AND SEDIMENT CONTROL. THE OWNER MAY DELEGATE EROSION AND SEDIMENT CONTROL DUTIES TO CONTRACTORS OR SUBCONTRACTORS BASED UPON THE FIRM WITH THE APPROPRIATE EQUIPMENT OR WHO IS RESPONSIBLE FOR CREATING A VIOLATION (IE SEDIMENT TRACKING, KNOCKING DOWN SILT FENCE, BY-PASSING STABILIZED CONSTRUCTION ENTRANCE, ETC). THE OWNER IS RESPONSIBLE FOR THE DAY TO DAY IMPLEMENTATION OF THE SWPPP AND PREVENTING SEDIMENT-LADEN DISCHARGES FROM THE CONSTRUCTION SITE.
2. ALL EROSION AND SEDIMENT CONTROL PRACTICES ARE TO BE INSTALLED PRIOR TO SOIL DISTURBANCE, OR IN THEIR PROPER SEQUENCE, AND MAINTAINED UNTIL PERMANENT PROTECTION OR STABILIZATION IS ESTABLISHED. VEGETATED AREAS ARE CONSIDERED TO HAVE ACHIEVED FINAL STABILIZATION ONCE 80% COVERAGE DENSITY HAS BEEN ACHIEVED.
3. ANY DISTURBED AREAS THAT WILL BE LEFT EXPOSED MORE THAN TEN (10) DAYS, AND NOT SUBJECT TO CONSTRUCTION TRAFFIC, WILL IMMEDIATELY RECEIVE A TEMPORARY SEEDING AND MULCHED WITH STRAW OR EQUIVALENT MATERIAL AT A RATE OF TWO (2) TONS PER ACRE, ACCORDING TO STATE STANDARDS.
4. PERMANENT VEGETATION TO BE SEEDED OR SODDED ON ALL EXPOSED AREAS WITHIN TEN (10) DAYS AFTER FINAL GRADING. MULCHING IS REQUIRED ON ALL SEEDING. WHEN HYDROSEEDING, REFER TO MANUFACTURER'S INSTRUCTIONS.
5. ALL WORK IS TO BE DONE IN ACCORDANCE WITH THE "NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL," LATEST EDITION.
6. IMMEDIATELY FOLLOWING INITIAL DISTURBANCE OR ROUGH GRADING, ALL CRITICAL AREAS SUBJECT TO EROSION (I.E., STEEP SLOPES) WILL RECEIVE A TEMPORARY SEEDING IN COMBINATION WITH STRAW MULCH OR A SUITABLE EQUIVALENT, AT A RATE OF TWO (2) TONS PER ACRE, ACCORDING TO STATE STANDARDS OR EROSION CONTROL MATTING.
7. SHOULD THE CONTROL OF DUST AT THE SITE BE NECESSARY, THE SITE WILL BE SPRINKLED UNTIL THE SURFACE IS WET. TEMPORARY VEGETATIVE COVER SHALL BE ESTABLISHED OR MULCH SHALL BE APPLIED IN ACCORDANCE WITH STATE STANDARDS FOR EROSION CONTROL.
8. ALL SOIL WASHED, DROPPED, SPILLED, OR TRACKED OUTSIDE THE LIMIT OF DISTURBANCE OR ONTO LOCAL ROADS, PARKING LOTS, SIDEWALKS OR PUBLIC RIGHTS-OF-WAY SHALL BE REMOVED IMMEDIATELY.
9. THE PROPERTY OWNER SHALL BE RESPONSIBLE FOR ANY EROSION AND SEDIMENTATION THAT MAY OCCUR OFF-SITE AS A RESULT OF CONSTRUCTION OF THE PROJECT.
10. STOCKPILE AND STAGING LOCATIONS DETERMINED IN THE FIELD SHALL BE PLACED WITHIN THE LIMITS OF DISTURBANCE ACCORDING TO THE CERTIFIED PLAN. STAGING AND STOCKPILES NOT LOCATED WITHIN THE LIMITS OF DISTURBANCE WILL REQUIRE A REVISED EROSION AND SEDIMENT CONTROL PLAN. THE OWNER RESERVES THE RIGHT TO DETERMINE WHEN A NEW AND SEPARATE EROSION AND SEDIMENT CONTROL PLAN WILL BE REQUIRED FOR THESE ACTIVITIES.
11. ALL SOIL STOCKPILES ARE TO BE TEMPORARILY STABILIZED IN ACCORDANCE WITH THE EROSION AND SEDIMENT CONTROL PLAN. SURROUND THE SOIL STOCKPILE WITH A RING OF SILT FENCE. DO NOT LOCATE A STOCKPILE AREA WITHIN 100 FEET OF A WETLAND BOUNDARY. DO NOT LOCATE A STOCKPILE AREA CLOSER THAN 20 FEET TO THE TOP OF A STEEP SLOPE. TEMPORARILY SEED OR COVER THE SOIL STOCKPILE IF IT WILL NOT BE DISTURBED FOR TEN (10) DAYS.
12. PAVEMENT AREAS ARE TO BE KEPT CLEAN AT ALL TIMES. ALL ROADS/DRIVEWAYS ARE TO BE SWEPT CLEAN AT THE END OF EACH WORKDAY OR AS MAY OTHERWISE BE DICTATED BY THE WORK BEING PERFORMED. ALL CAMPUS ROADS, PARKING LOTS, AND ACTIVE PEDESTRIAN WALKS ARE TO BE KEPT CLEAN ON A CONTINUOUS BASIS WHICH MAY REQUIRE MORE FREQUENT SWEEPING.
13. DURING IMPORTATION OF FILL, ANY ADDITIONAL CONTROL MEASURES AS DEEMED NECESSARY TO PREVENT EROSION OR CONTROL SEDIMENT BEYOND THOSE MEASURES SHOWN ON THE APPROVED PLAN SHALL BE INSTALLED OR EMPLOYED AT THE DIRECTION OF THE ENGINEER, THE PROJECT MANAGER, OR THE OWNER.

EROSION & SEDIMENT MAINTENANCE REQUIREMENTS

MEASURE	FREQUENCY	REQUIRED MAINTENANCE
SILT FENCE	ONCE PER WEEK OR AFTER A STORM EVENT	REMOVE ACCUMULATED SEDIMENT. REPAIR/RESET WHEN TORN OR KNOCKED DOWN
SILTSOXX	ONCE PER WEEK OR AFTER A STORM EVENT	REMOVE ACCUMULATED SEDIMENT. RESET /STABILIZE. REPLACE TORN OR DAMAGED SECTIONS. DISPOSE OF PER MANUFACTURERS RECOMMENDATION
SOIL STOCKPILE	ONCE PER WEEK OR AFTER A STORM EVENT	RESEED/MULCH VISIBLE BARE SPOTS. REMOVE ACCUMULATED SEDIMENT FROM SILT FENCE. REPAIR/RESET WHEN SILT FENCE IS TORN OR KNOCKED DOWN
DUST CONTROL	AS NEEDED	SWEEP SURFACES. WET AFFECTED AREA

CONSTRUCTION SEQUENCE

1. CLEAN AND PREPARE SITE – REMOVE LITTER AND DEBRIS, CLEAN CONCRETE SURFACE.
2. INSTALL REQUIRED EROSION AND SEDIMENT CONTROL MEASURES.
3. STABILIZE STOCKPILE AND SITE ANYTIME THE IMPORTATION OF FILL OR GRADING CEASES FOR ONE WEEK (7 CONSECUTIVE DAYS) AND UPON COMPLETION OF THE IMPORT OF FILL AND/OR GRADING.

NO.	DATE	REVISION	BY
2	9/2/22	PER COMMENTS / SITE CHANGE	JVA
1	6/3/22	PER COMMENTS	JVA

NORTH ARROW

• Alteration of this drawing, except by a Licensed Professional Engineer or Architect in limited accordance with Section 7209 of the NYS Education Law, is illegal. Any alteration by a Professional Engineer or Architect must have their seal, signature and date of alteration.
• The user of this drawing shall verify all dimensions shown on the drawing before any construction.
• This line is one inch long

DRAWN BY: AGL
CHECKED BY: JVA
DATE: JUNE 2021
SCALE: 1" = 20'

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CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NEW YORK

GRADING/EROSION CONTROL PLAN

PROJECT NUMBER: 21-786-01

DRAWING NUMBER: C104
5 OF 10

1 EXTERIOR RENDERING OPTION 3
VIEW 1

2 EXTERIOR RENDERING OPTION 3
VIEW 2

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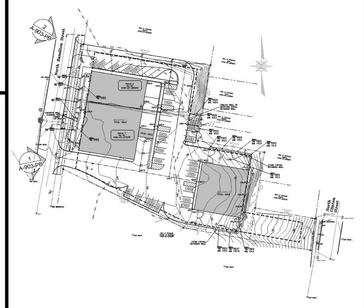
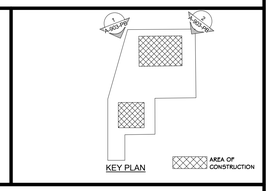
CONSTRUCTION NOTES

NOTE: NOT ALL NOTES MAY BE USED ON THIS DRAWING



PROJECT NORTH



SCHEMATIC DESIGN

REVISIONS:

NUM.	DATE	DESCRIPTION
1	09-06-22	RESPONSES TO PLANNING BOARD COMMENTS

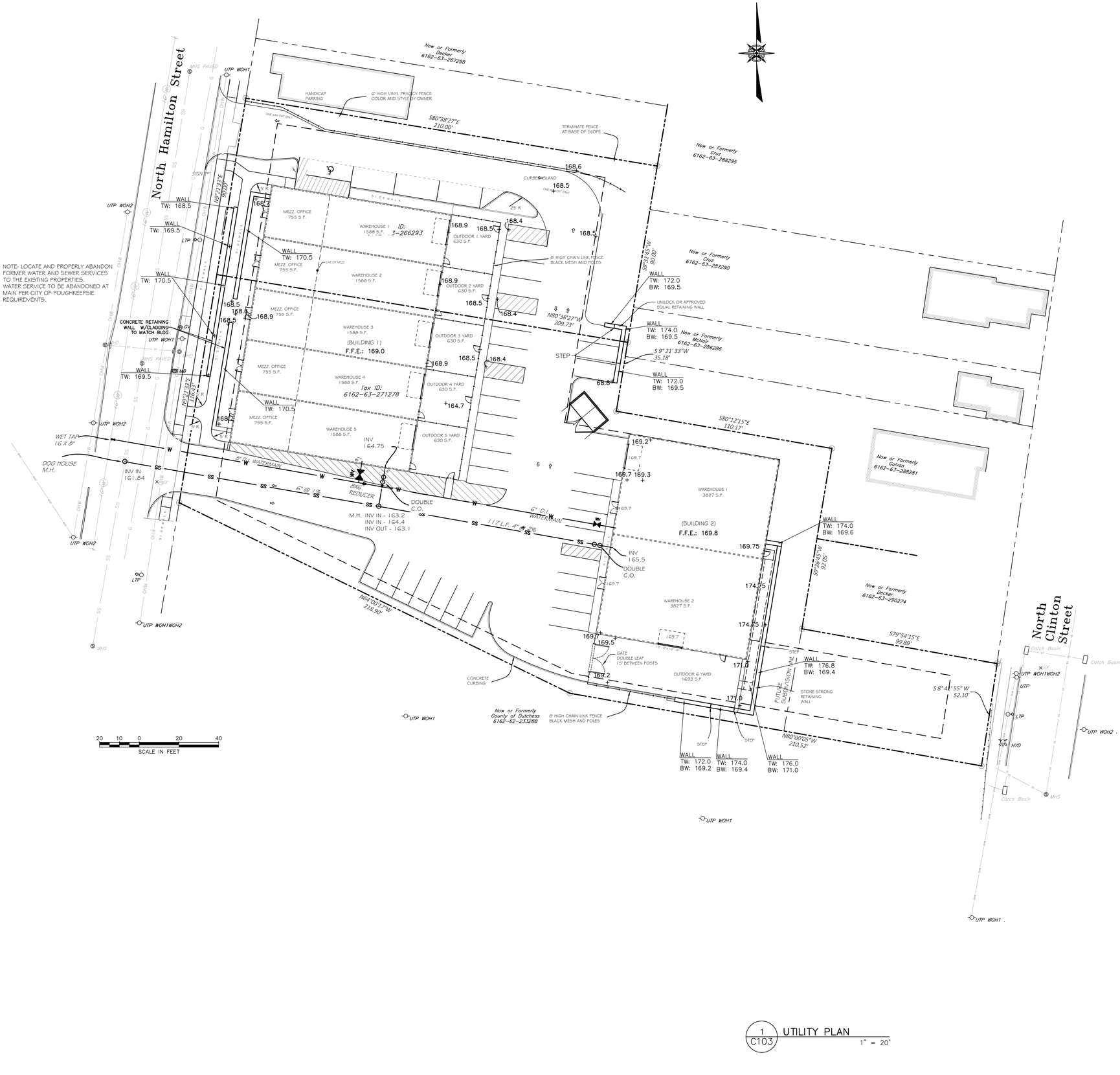
ANDERSON DESIGN GROUP
ARCHITECTURE
PLANNING
INTERIORS
25 WALLKILL AVE • MONTGOMERY • NY 12549
O. 845. 294.2724 | F.888.305.6442
WWW.ADGARCHITECT.COM
CONTACT@ADGARCHITECT.COM

Project: 117 NORTH HAMILTON
117 NORTH HAMILTON ST., POUGHKEEPSIE, NY 12601

Drawing Name: EXTERIOR RENDERINGS (OPTION 3)

Drawn:	Scale:	Project:	Date:
IDEA	AS NOTED	22102	08/31/22

Drawing Number: A-903-PB



1 C103 UTILITY PLAN 1" = 20'

NO.	DATE	REVISION	BY
1	6/5/22	PER COMMENTS	JVA

NORTH ARROW

- Alteration of this drawing, except by a Licensed Professional Engineer or Architect in lieu of alteration by a Professional Engineer or Architect is illegal. Any alteration must be stamped and signature and date of alteration.
- The user of this drawing shall verify all dimensions shown thereon and the scale of this drawing.
- This line is one inch long

DRAWN BY: KMC
CHECKED BY: JVA
DATE: MARCH 2022
SCALE: 1" = 20'

ROHDE, SOYKA & ANDREWS
Consulting Engineers PC
40 Garden Street Poughkeepsie, N.Y. 12601
(845) 452-7515
Fax (845) 452-2535

117 NORTH HAMILTON
NORTH HAMILTON STREET
CITY OF POUGHKEEPSIE
DUTCHESS COUNTY, NEW YORK

UTILITY PLAN

PROJECT NUMBER: 21-786-01

DRAWING NUMBER: C103

4 OF 10

DEVELOPMENT

June 1, 2022

City of Poughkeepsie Planning Board
62 Civic Center Plaza
2nd Floor
Poughkeepsie, NY 12601

Re: 117 North Hamilton Street

To Whom it may concern,

We write to you regarding our upcoming project at 117 N Hamilton Street and in response to the questions and comments posed by the Planning Board.

Attached is a resubmittal of the SEQRA from March 9th, 2022 as it remained unchanged.

Thank you,

Eric Baxter
Vice President
Baxter Development Corp.

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 1 is accurate and complete.

A. Project and Applicant/Sponsor Information.

Name of Action or Project: 117 N Hamilton		
Project Location (describe, and attach a general location map): 117 N Hamilton Street, City of Poughkeepsie, Dutchess County, - easterly side of N Hamilton St., approx. 250' north of its intersection with High St.		
Brief Description of Proposed Action (include purpose or need): The action involves Site Plan approval for the redevelopment of vacant land with construction of two (2), one tall story, multi-tenant warehouse facilities, 15,712 and 7710 square feet, to be connected to existing City water and sewer facilities, including outdoor access-controlled storage areas with landscaping, paved parking and maneuvering areas involving two (2) existing lots of record which are to be combined into one lot totaling 1.63 acres . Portions of the site are in an area of special flood hazard with no identified base flood elevation which requires a flood plain development permit and for which structures are required to be elevated 3'0" above the highest adjacent grade.		
Name of Applicant/Sponsor: Baxter Development Corp., Attn: Eric Baxter	Telephone: 845-471-1047 E-Mail: eric@baxterbuilt.com	
Address: 278 Mill Street, Suite 100		
City/PO: Poughkeepsie	State: NY	Zip Code: 12601
Project Contact (if not same as sponsor; give name and title/role):	Telephone: E-Mail:	
Address:		
City/PO:	State:	Zip Code:
Property Owner (if not same as sponsor): SEE ATTACHED ADDITIONAL INFORMATION	Telephone: 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 Counsel - Rezone Tax parcel 266293	12.20.2022 Approved
b. City, Town or Village Planning Board or Commission ☑Yes☐No	City Planning Board- Site Plan	
c. City, Town or Village Zoning Board of Appeals ☑Yes☐No	City Zoning Board - Possible Area Variance	
d. Other local agencies ☑Yes☐No	Building Inspector - Flood Plain Development Permit	
e. County agencies ☐Yes☐No		
f. Regional agencies ☐Yes☐No		
g. State agencies ☐Yes☐No		
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?
Light Industrial - I-1

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? Previously approved I-1 for Tax Parcel 266293

C.4. Existing community services.

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

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

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

d. What parks serve the project site?
All City of Poughkeepsie Park Facilities

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)? commercial - warehousing, contractor storage

b. a. Total acreage of the site of the proposed action? 1.6 acres
b. Total acreage to be physically disturbed? 1.39 acres
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? 1.63 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: 6 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 2

ii. Dimensions (in feet) of largest proposed structure: 32' height; 92.125' width; and 131.17' length

iii. Approximate extent of building space to be heated or cooled: 23,422 gross 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.

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? _____ 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: 7 units at 4 employees per unit times 15 gpd per employee

i. Total anticipated water usage/demand per day: 420 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 Water Service Area
- 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: 7 units at 4 employees per unit times 15 gpd per employee

i. Total anticipated liquid waste generation per day: 420 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: Joint City/Town wastewater treatment facility
- 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 1.2 acres (impervious surface) 0.57 IMPERVIOUS EXISTING TO BE REDEVELOPED

_____ Square feet or 1.63 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)?

ON-SITE STORMWATER MANGAMENT FACILITIES DISCHARGE TO GROUND WATER

- 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: customary electric usage

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

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 am - 4:30 pm
- Saturday: 7 am - 4:30 pm (possible)
- Sunday: _____
- Holidays: _____

ii. During Operations:

- Monday - Friday: 7 am - 5 pm
- Saturday: 7 am - 5 pm (possible)
- Sunday: _____
- 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:

DURING CONSTRCUTION ONLY - DURING WORKING HOURS ONLY

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:

Building mounted LED lighting aimed downward - greater than 50' to nearest occupied structure

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: recycling existing concrete to be removed
- Operation: _____

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

- Construction: Royal Carting
- Operation: Royal Carting

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): Dutchess County Jail facility

ii. If mix of uses, generally describe:

some surrounding residential - mixed uses single and multifamily

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	0.57	1.20	+0.63
• Forested	0.58	0.15	-0.43
• Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural)	0.24	0	-0.24
• 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)	0.24	0	-0.24
• Other Describe: Lawn/Landscaping		0.28	+0.28

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:

Inner City Parcels - Several Poughkeepsie City Schools, numerous churches, and the Dutchess County Jail

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): B00036, C314130, C314131, C314134, B00020, 3141...

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

See Attachments for current status of each involved site.

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? 5.0+/- 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:

DxB-Dutchess Cardigan Urban	75 %
BeC-Bernardston silt loam	24 %
Ur-Urban land	1 %

d. What is the average depth to the water table on the project site? Average: 5.0+/- 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%: _____ % 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 Fall Kill 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. 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: _____

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: _____

ii. Nature of, or basis for, designation (e.g., established highway overlook, state or local park, state historic trail or scenic byway, etc.): _____

iii. Distance between project and resource: _____ 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.

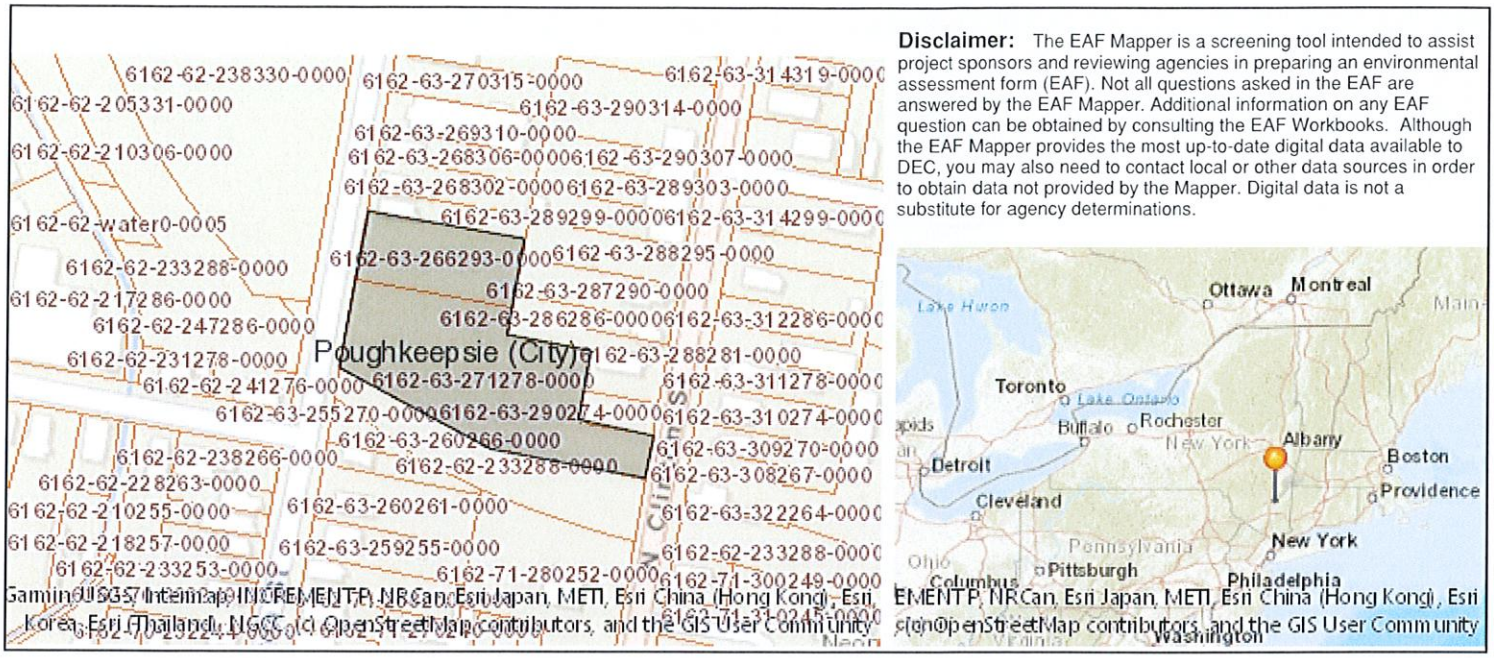
G. Verification

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

Applicant/Sponsor Name Baxter Development Corp. Date 3.29.2022

Signature _____ Title VICE PRESIDENT

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]	Yes
E.1.h.iii [Within 2,000' of DEC Remediation Site - DEC ID]	B00036, C314130, C314131, C314134, 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]	No
E.3.i. [Designated River Corridor]	No

117 N HAMILITON
CITY OF POUGHKEEPSIE

LONG ENVIRONMENTAL ASSESSMENT FORM
PART 1 – PROJECT INFORMATION

ADDITIONAL INFORMATION
March 29, 2022

OWNERSHIP:

- PARCEL: 266293
  117 N Hamilton, LLC
  186 Cottage Street
  Poughkeepsie, 12601
  Size: 0.43 Acres
  Telephone : 845-465-0207
  Email: truforminc@verizon.net

- PARCEL: 271278
  North Hamilton Parcel, LLC
  278 Mill St., Suite 100
  Poughkeepsie, NY 12601
  Size: 1.20 Acres
  Telephone: 845-471-1047
  Email: eric@baxterbuilt.com

Dutchess County
New York

117 N Hamilton

Dutchess County, NY

Printed by:
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Internet
11/4/2021

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: 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

Location: The Former Hamilton Reproduction site is a 1.96-acre site located in an urban area in the City of Poughkeepsie. The site consists of four tax parcels: 150 North Hamilton Street (portion of parcel), 182 North Hamilton Street, 104 Parker Avenue, and 108 Parker Avenue. Site Features: The 108 Parker Avenue parcel was redeveloped into a four-story office building, housing the Dutchess County Sheriff Department. The 150 North Hamilton Street, 182 North Hamilton Street, and 104 Parker Avenue parcels are undergoing redevelopment as part of the Dutchess County Law Enforcement Center expansion. Current Zoning and Land Use: The site is currently active and is zoned for commercial use. The surrounding parcels are currently used for a combination of commercial and residential uses. The nearest residential area is 0.1 miles east and northeast of the site along Hamilton Street. Past Use of the Site: From 1913 until 1992 the site was used for various manufacturing operations including buttons, clothing, electronics manufacturing and assembling, and printing. Prior uses that appear to have led to site contamination include machining, parts cleaning, a leaking underground storage tank, and release of wastewater into a storm water system. Site Geology and Hydrogeology: The bedrock underlying the site is the Austin Glen shale and greywacke formation. The weathered shale bedrock was observed between 1 to 20 feet bgs. The overburden soils range in thickness from 1 to 15 feet, and consist of tightly packed sandy silts, gravel and fill materials. An unconfined aquifer is found in soils deeper than six feet at the site. Local groundwater is towards the south following local topography. Generally, groundwater flow in the area is estimated to flow to the southwest towards the nearby Fallkill Creek.

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(a)anthracene
dibenz[a,h]anthracene
lead
chromium
chrysene
indeno(1,2,3-cd)pyrene
arsenic
benzo(a)pyrene
benzo(k)fluoranthene
xylene (mixed)

Site Environmental Assessment

Post-Remediation: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were SVOCs, chlorinated VOCs and BTEX constituents, found in soil, groundwater, and the drainage system sediment and water. Prior to Remediation: Soil, groundwater and the drainage system sediments and water were analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), metals, polychlorinated biphenyls (PCBs), and pesticides. Based upon investigations conducted to date, the primary contaminants of concern include chlorinated VOCs, SVOCs, and BTEX constituents. Soil- Several chlorinated VOCs were found to exceed their respective soil cleanup objectives (SCOs), in and around a catch basin at the southwest corner of the former building. Tetrachloroethane (PCE) was found at a maximum concentration of 18 parts per million(ppm), with an SCO of 1.4 ppm. Trichloroethene had a maximum concentration of 3.1 ppm (SCO of 0.7 ppm); cis-1,2-dichloroethene had a maximum concentration of 3.2 ppm (SCO of 0.3 ppm); and 1,1,1-trichloroethane had a maximum concentration of 0.8 ppm (SCO 0f 0.76 ppm). The SVOCs detected that exceeded their SCOs were benzo(a)anthracene at a maximum concentration of 4.8 ppm (SCO of 0.22 ppm); benzo(a)pyrene at 9.8 ppm (SCO of .006); benzo(b)fluoranthene at 15 ppm (SCO of 1.1 ppm); benzo(k)fluoranthene at 13 ppm (SCO of 1.1 ppm); dibenzo(a,h)anthracene at 0.46 ppm (SCO of 0.014 ppm); indeno(1,2,3-cd)pyrene at 5 ppm (SCO of 3.2 ppm); and chrysene at 12 ppm (SCO of 0.4 ppm). Data does not indicate any off-site impacts in soil related to this site. Groundwater- The VOCs that exceeded their SCOs were benzene at a maximum concentration of 120 parts per billion (ppb), with a guidance value (GV)of 1 ppb; 1,1-dichloroethane at 93 ppb (GV of 5 ppb); cis-1,2-dichloroethene at 440 ppb (GV of 5 ppb); ethylbenzene at 78 ppb (GV of 5 ppb); PCE at 1,100 ppb (GV of 5 ppb); toluene at 27 ppb (GV of 5 ppb); 1,1,1-trichloroethane at 110 ppb (GV of 5 ppb); trichloroethene at 510 ppb (GV of 5 ppb); trichlorofluoromethane at 8.3 ppb (GV of 5 ppb); vinyl chloride at 34 ppb (GV of 2 ppb); xylene at 64 ppb (GV of 5 ppb). The only SVOC that exceeded its guidance value (10 ppb) was naphthalene at 14 ppb. Data does not indicate any off-site impacts in groundwater related to this site. Surface Water (site drainage system)- the following contaminants were found to exceed their guidance values of 5 ppb: 1,1-dichloroethane at 53 ppb; 1,1,1-trichloroethane at 5.4 ppb; and trichlorofluoromethane at 5.6 ppb.

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

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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: Crannell Square
Site Code: C314130
Program: Brownfield Cleanup Program
Classification: C
EPA ID Number:

Location

DEC Region: 3
Address: 35 Catharine Street
City: Poughkeepsie Zip: 12601
County: Dutchess
Latitude: 41.703861111
Longitude: -73.924555556
Site Type:
Estimated Size: 1.109 Acres

Site Owner(s) and Operator(s)

Current Owner Name: Crannell Square Housing Development Fund Company, Inc.
Current Owner(s) Address: c/o Hudson River Housing, Inc., 313 Mill Street
Poughkeepsie,NY, 12601
Current Owner Name: Crannell Square Limited Partnership
Current Owner(s) Address: 57 Route 6, Suite 207
Baldwin Place,NY, 10505

Site Document Repository

Name: Poughkeepsie Public Library
Address: 93 Market Street
Poughkeepsie,NY 12601

Site Description

Location: The site is located at 35 Catharine Street in the City of Poughkeepsie, Dutchess County, New York, on a 1.109-acre parcel. The site is a portion of tax lot parcel: Section 6162, Block 78, Lot 157094. The site is a rectangular, with approximately 235 feet of frontage on the southern side of Mill Street (Route 44/55 arterial) and approximately 220 feet of frontage on the eastern side of Catharine Street. The site approximately 0.85 miles east of the Hudson River. Site Features: The site is currently being redeveloped into a multi-story apartment complex with a planned parking lot and landscaped areas. A majority of the structure has already been erected. Current Zoning and Land Use: The site is zoned C-2 (Central Commercial District). C-2 zoning allows for multiple dwellings in new structures at urban density (R-6), provided that the first floor is devoted to retail or service use. Currently, the site is used as a municipal parking lot. The surrounding properties are zoned for commercial uses. Past Use of the Site: The site has been used for commercial and residential purposes from as early as 1887 until circa 1960 when all former on-site structures were demolished. Previous uses included: an automotive repair facility, large private garage, warehouse, school, a hotel and multiple dwellings. Notable past commercial uses at adjoining properties and in the surrounding area include manufacturing and automotive repair facilities. The site was developed by the city as a municipal parking lot by 1963. Site Geology and Hydrogeology: Site soils consist of a fill layer extending to 4 feet below ground surface (bgs), overlying brown medium sands to a depth of approximately 10 feet bgs. Soils greater than 10 feet bgs generally consist of native clayey silt. No bedrock was encountered during the investigation of the site, which included borings to a depth of 20 feet bgs. Groundwater depth ranges from 13.3 to 15.4 feet below grade. Groundwater generally flows to the northeast. No waterbodies or wet areas are on the site or in the immediate vicinity of the site.

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(b)fluoranthene
benzo(a)pyrene
benzo(a)anthracene
chrysene
mercury
carbon tetrachloride

arsenic
benzo(k)fluoranthene
chloroform
trichloroethene (TCE)
indeno(1,2,3-cd)pyrene
tetrachloroethene (PCE)
dibenz[a,h]anthracene
lead

Site Environmental Assessment

Remediation at the site is complete. Prior to remediation, the primary contaminants of concern included SVOCs and metals in soil, and VOCs in soil vapor. Remedial actions have successfully achieved soil cleanup objectives for unrestricted use. Prior to Completion of Remediation: Soil and groundwater samples were analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), metals, total petroleum hydrocarbons (TPH), pesticides, and the emerging contaminants per-and-polyfluoroalkyl substances (PFAS) and 1,4-dioxane. Soil vapor samples were analyzed for VOCs. Based on investigations conducted to date, the primary contaminants of concern include metals and polycyclic aromatic hydrocarbons (PAHs) in soil and VOCs in groundwater and soil vapor. Soil: A total of 44 soil samples were collected at 16 locations at depths ranging from 0 to 20 feet below ground surface (bgs). Several SVOCs and metals were identified in soils at concentrations that exceed their restricted residential soil cleanup objectives (RRSCOs) and unrestricted soil cleanup objectives (USCOs) including benzo[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, benzo[k]fluoranthene, chrysene, dibenzo(a,h)anthracene, indeno(1,2,3-c,d)pyrene, lead, mercury, and arsenic. The highest concentration of an SVOC encountered was chrysene at a concentration of 7.77 parts per million (ppm) at a depth of 5 feet bgs compared to the RRSCO of 3.9 ppm. The highest concentrations of metals encountered were 3,110 ppm of lead at 3 feet bgs, compared to the RRSCO of 400, 3.94 ppm of mercury at 4 feet bgs compared to the RRSCO of 0.81 ppm, and 32.2 ppm of arsenic at 15 feet bgs compared to the RRSCO of 16. Metal exceedances were generally encountered within the top 5 feet bgs, with some deeper exceedances of arsenic extending up to 20 feet bgs. PFAS were detected in soil samples throughout the site to depths of 20 feet bgs. The greatest concentration of total PFAS encountered in soil was 1.54 parts per billion (ppb) at the 0-5 feet bgs interval. There were no VOCs, PCBs or pesticides detected in site soils. There is no indication that site-related soil contamination extends off-site. Groundwater: Groundwater samples were collected from six monitoring wells located throughout the site. The VOC chloroform was detected in one monitoring well in exceedance of groundwater standards at a concentration of 13 parts per billion (ppb), compared to the groundwater quality standard of 7 ppb; this is a common by-product of chlorination and may be indicative of leaking water lines in the area. The only other VOCs detected in groundwater were at trace levels as follows: carbon tetrachloride in one well at an estimated concentration 0.32 ppb, and trichloroethene (TCE) in one well as an estimated concentration of 0.29 ppb, compared to their groundwater standard of 5 ppb for each.

The laboratory reported these concentrations as estimated values because they are detected below the laboratory¿s contract required quantitation limit and therefore can only be confirmed as present, but not quantified. One SVOC, benzo(b) fluoranthene was detected at 0.01 ppb compared to a standard of 0.002 ppb. For metals, magnesium, manganese, and/or sodium were detected in several overburden wells across the site above their respective groundwater standards, while there was one marginal detection each for cobalt (total 6.7 ppb compared to a standard of 5 ppb), and thallium (total 0.73 ppb compared to a standard of 0.5 ppb). The SVOC and metals are considered to represent typical urban background conditions (associated with presence of historic fill), are naturally occurring, or are due to road salt application. No exceedances were found above the 10 parts per trillion (ppt) screening level for either perfluorooctanoic acid (PFOA) or perfluorooctanesulfonic acid (PFOS). The highest detection of PFOS and PFOA were 9.14 ppt and 6.04 ppt, respectively in one well at the southeast corner of the site. Based on the soil data and the northeasterly groundwater flow direction, and there is no apparent on-site source for PFOA/PFOS in site groundwater. Overall, groundwater quality appears to reflect typical urban background conditions and is likely of similar condition in off-site areas. As such, there is no concern for off-site migration. Soil Vapor: Nine soil vapor samples were collected across the site under the parking lot area. Trace to low level VOC contamination was noted in site soil vapor, with levels up to 5.3 micrograms per cubic meter (ug/m3) of tetrachloroethylene (PCE), 0.67 ug/m3 of trichloroethene (TCE), and 0.51 ug/m3 of carbon tetrachloride.

Site Health Assessment

People are not drinking the contaminated groundwater because the area is served by a public water supply that is not affected by site related contamination. Direct contact with any contaminated soils is not a concern because all soil contamination at the site was removed and replaced with clean fill. In addition, soil vapor intrusion is no longer expected to be a potential concern for on-site or offsite buildings.

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: Standard Gage & Coal Storage Site
Site Code: C314131
Program: Brownfield Cleanup Program
Classification: A
EPA ID Number:

Location

DEC Region: 3
Address: 58 Parker Avenue & 164 Garden Street
City: Poughkeepsie Zip: 12601
County: Dutchess
Latitude: 41.711277778
Longitude: -73.924638889
Site Type:
Estimated Size: 2.466 Acres

Site Owner(s) and Operator(s)

Current Owner Name: Northside Junction, LLC
Current Owner(s) Address: One Civic Center Plaza, Suite 200
Poughkeepsie,NY, 12601

Site Document Repository

Name: Poughkeepsie Public Library - Adriance Memorial Library
Address: 93 Market Street
Poughkeepsie,NY 12601

Site Description

Site Location: The Site is comprised of two parcels, 58 Parker Avenue (Lot 148369) and 164 Garden Street (Lot 177385) in Poughkeepsie, New York. The Site is located in a mixed commercial, industrial, residential and recreational use neighborhood. Site Features: The site is 2.46 acres and the two

parcels are separated by a historical rail spur which is owned by the county. The Parker Avenue Parcel is developed with a former manufacturing facility, historically owned and operated by the Standard Gage Company. The Garden Street Parcel is developed with a single-story 6,000 square foot commercial warehouse. Three unregistered USTs were removed in 2008 and replaced with one (1) 1,000-gallon tank and two (2) 500-gallon tanks. Current Zoning and Land Use: The Site is split between two zoning districts ¿ the Parker Avenue Parcel is zoned in the G-CM (Gateway Commercial Mixed-Use) district and the Garden Street Parcel is zoned in the G-OM (Gateway Office Manufacturing) district. Both districts are consistent with the proposed use, since each district permits office space, community squares, greenways, and recreational uses. Past Use of the Site: Penn Central Railroad owned and operated the land north of the Site and the land separating the two parcels in the late 1880¿s. In 1913, the Anchor Bolt & Nut Company, a manufacturer of Farming Tools, Bolts and Nuts operated on the parcel on Parker Avenue. A 2-story structure labeled R.B. Kelley & Son Coal Elevator on the Garden Street portion of the site is depicted on the 1913 Sanborn Map. By 1950, Standard Gage Co. Inc. was operating at 58 Parker Avenue with multiple 1- to 2-story structures. Standard Gage Co., Inc. operated on this Parcel (which also had a historic address of 70 Parker Avenue) for more than 50 years until approximately 2001. The company was a RCRA 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). By 1950, the Garden Street Parcel was still being operated as a coal storage facility, which included four (4) structures. TEK Bearing Co, Inc. appears to have been the operator on the Garden Street Parcel from 1970 to 1980. From approximately 1980 through 2014, Harmon and Castella Printing was operating in the Bearing Warehouse structure. In 2010, this property was shared between two (2) companies, Harmon and Castella Printing and Castle HRS Drawn Carriage SVC. The Garden Street Parcel has a spill history. NYSDEC Spill #0804049 was opened when a 550-gallon UST was discovered to be leaking and a 1,000-gallon UST was discovered with a penetration. A total of 16.09 tons of petroleum-impacted soil was excavated from the tank grave and later disposed. The Garden Street Parcel has one (1) 1,000-gallon tank and two (2) 500-gallon tanks present. The tanks are in the process of being properly registered as of 2021. Site Geology and Hydrogeology: The topography slopes downward to the south southwest toward the Fall Kill Creek. The Fall Kill Creek is located immediately south of Brookside Avenue, down-gradient of the property, which flows from east to west toward the Hudson River.

Contaminants of Concern (Including Materials Disposed)

Contaminant Name/Type

methylene chloride

tetrachloroethene (PCE)

cis-1,2-dichloroethene
perfluorooctanoic acid
trichloroethene (TCE)
arsenic
perfluorooctane sulfonic acid
1,1,1-Trichloroethane(TCA)
benzo(a)anthracene
chromium
mercury

Site Environmental Assessment

Soil and groundwater and soil were analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), metals, polychlorinated biphenyls (PCBs), per- and polyfluoroalkyl substances (PFAS), and pesticides. Based upon investigations conducted to date, the primary contaminants of concern include arsenic, mercury, chromium and PFAS in soil and trichloroethylene (TCE) and Cis-1,2-Dichloroethylene and PFAS in groundwater. Soil - Arsenic was found in ten locations in shallow soil across the property. Chromium is found in shallow soil, predominantly in the area around Building A. Mercury was identified in deep soils in five locations. PFAS was identified in shallow soil north and west of Building A. Maximum concentrations of arsenic found on site (approximately 38 ppm) exceed the soil cleanup objective (SCO) for restricted residential use (16 ppm). Maximum concentrations of mercury found on site (5 ppm) exceed the soil cleanup objective (SCO) for restricted residential use (0.73 ppm). Maximum concentrations of chromium (600 ppm) exceed the soil cleanup objective (SCO) for restricted residential use (180ppm). PFOS was measured in surface soil at concentrations ranging from 1.2 ppb to 1.95 ppb, exceeding the guidance value for unrestricted use of 0.88 ppb. Data does not indicate any off-site impacts in soil related to this site. Groundwater - The primary contaminants of concern in groundwater are TCE and Cis-1,2-DCE. TCE is present at a maximum concentration of 22.4 ppb and Cis-1,2-DCE is present at 132 ppb in bedrock south of Building A. TCE and its associated degradation products are found in groundwater at the southern end of the site near building A, slightly exceeding groundwater standards (typically 5 ppb). TCE from the site has migrated down-gradient to the site boundary and off-site at concentrations ranging from 6 to 9 ppb slightly exceeding the groundwater standard of 5ppb. Two off-site groundwater wells monitor off-site impacts on the southern portion of the site. For PFAS, perfluorooctanoic acid (PFOA) and perfluorooctanesulfonic acid (PFOS) were reported at concentrations of up to 17.7 and 17.1 parts per trillion (ppt), respectively, exceeding the Maximum Contaminant Level (drinking water standard) of 10 ppt in groundwater." Soil Vapor - TCE was detected in soil vapor at elevated concentrations and was also detected in sub-slab samples at concentrations up to 3,700 micrograms per cubic meter. Concentrations of TCE in sub-slab samples indicate that mitigation of vapors is likely needed in buildings south of Building A. Data indicates off-site impacts in soil vapor related to this site may exist on the south eastern boundary of the site. Special Resources Impacted/Threatened: A Fish and Wildlife Impact Analysis (FWIA) was performed in 2021 and

concluded that appropriate remediation measures to remove or contain the contaminated soils and groundwater would be necessary to prevent potential offsite contamination.

Site Health Assessment

People are not drinking contaminated groundwater associated with the site because the area is served by a public water supply that is not affected by site-related contamination. People may contact contaminated soils if they dig below the onsite building foundation and ground surface/site cover. Volatile organic compounds in the 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 the movement of radon gas from the subsurface into the indoor air of buildings, is referred to as soil vapor intrusion. The site is vacant so inhalation of site contaminants in indoor air via soil vapor intrusion is not a current concern but is a concern for any site buildings on the site when the site is redeveloped for re-use and occupancy. Soil vapor intrusion is a potential concern for at least one nearby off-site building, and needs further evaluation.

For more Information: E-mail Us

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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: Wallace Campus
Site Code: C314134
Program: Brownfield Cleanup Program
Classification: A
EPA ID Number:

Location

DEC Region: 3
Address: 319, 325, 327-329 & 331 Main Street
City: Poughkeepsie Zip: 12601
County: Dutchess
Latitude: 41.703661111
Longitude: -73.925775
Site Type:
Estimated Size: 2.48 Acres

Site Owner(s) and Operator(s)

Current Owner Name: Key Main LLC
Current Owner(s) Address: 80 Washington Street, Suite 400
Poughkeepsie,NY, 12601
Current Owner Name: IIC Properties Inc.
Current Owner(s) Address: 14 Catherine Street
Poughkeepsie,NY, 12601
Current Owner Name: Wallace Campus Manager LLC
Current Owner(s) Address: 48-02 25th Ave, Suite 400
Astoria,NY, 11103

Site Document Repository

Name: Adriance Memorial Library
Address: 93 Market Street
Poughkeepsie,NY 12601

Site Description

Location: The ¿Wallace Campus¿ BCP 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. The site is a 2.48-acre commercial property, which is abutted by Mill Street to the north and Main Street to the south. Site Features: The southern portion of 319 Main Street currently contains a two-story building (former restaurant and club), 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. Current Zoning and Land Use: The site tax lots are zoned C-2, central commercial district (residential use is excluded), and portions of the site fall within the Poughkeepsie Innovation District (PID) Historic Core and Urban Village Zones.The site consists of a several vacant and active commercial and light manufacturing uses, located on four tax lots. Past Use of the Site: Information regarding site environmental history was obtained from a July 2020 Phase I ESA, which included review of historical maps, ownership and occupant records, local records, regulatory records and previous subsurface investigations. A Phase II ESA was subsequently issued in October 2020. The site, first developed prior to 1887, has primarily been a commercial site with some limited residential use. The most significant commercial uses are generally associated with 331 Main Street, including automotive repair, machining operations, furniture finishing, laundry activities (potentially involving chlorinated solvents), and use of gasoline USTs. A limited Phase II Subsurface Investigation performed in 2013 for the northeastern portion of 331 Main Street did not document any storage tanks or contaminated soil, but elevated levels of lead were found in groundwater at 331 Main Street. The buildings at 319 Main Street and 325 Main Street are currently vacant; 327-329 Main Street building is currently in use as an office building and 331 Main Street is in use as an office building and for light manufacturing. Additional investigative work was conducted in 2020, including geophysical survey, advancement of 24 soil borings to a maximum depth of 15 feet below grade surface (bgs) across the site, the installation of 3 permanent groundwater monitoring wells, and the installation of 6 soil vapor probes. Soils located along the eastern and northern portions of 319 Main Street, within a layer of fill materials that extends to approximately 7 feet bgs, contain polycyclic aromatic hydrocarbons (PAHs) and lead above restricted residential use (RRU) soil cleanup objectives (SCOs), and lead and mercury were reported above RRU SCOs in soil at other portions of the site. Site Geology and Hydrogeology: State geological data indicate that local soils are likely to be derived from glacial till deposits, which overlie metamorphic bedrock. Soils observed during subsurface investigations generally consisted of variable-texture fill (unsorted sand containing debris, primarily brick and concrete, with some coal and ash) to approximately 1 to 7 feet bgs, underlain by sands with gravel to depths of 15 feet bgs, with two borings showing layers of clayey-silt below 12 feet bgs. Soils generally below 8 feet bgs appeared to

be native, undisturbed material. Bedrock was not encountered. Groundwater was documented in wells at approximately 15 to 17 feet below the casings and direction of flow was determined to be easterly.

Contaminants of Concern (Including Materials Disposed)

Contaminant Name/Type

indeno(1,2,3-cd)pyrene
benzo(a)pyrene
benzo(k)fluoranthene
copper
chrysene
manganese
methylene chloride
nickel
perfluorooctane sulfonic acid
zinc
lead
mercury
sodium
benzo(a)anthracene
perfluorooctanoic acid
acetone
benzo(b)fluoranthene

Site Environmental Assessment

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.

Site Health Assessment

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.

For more Information: E-mail Us

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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: 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

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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: 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

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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: 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

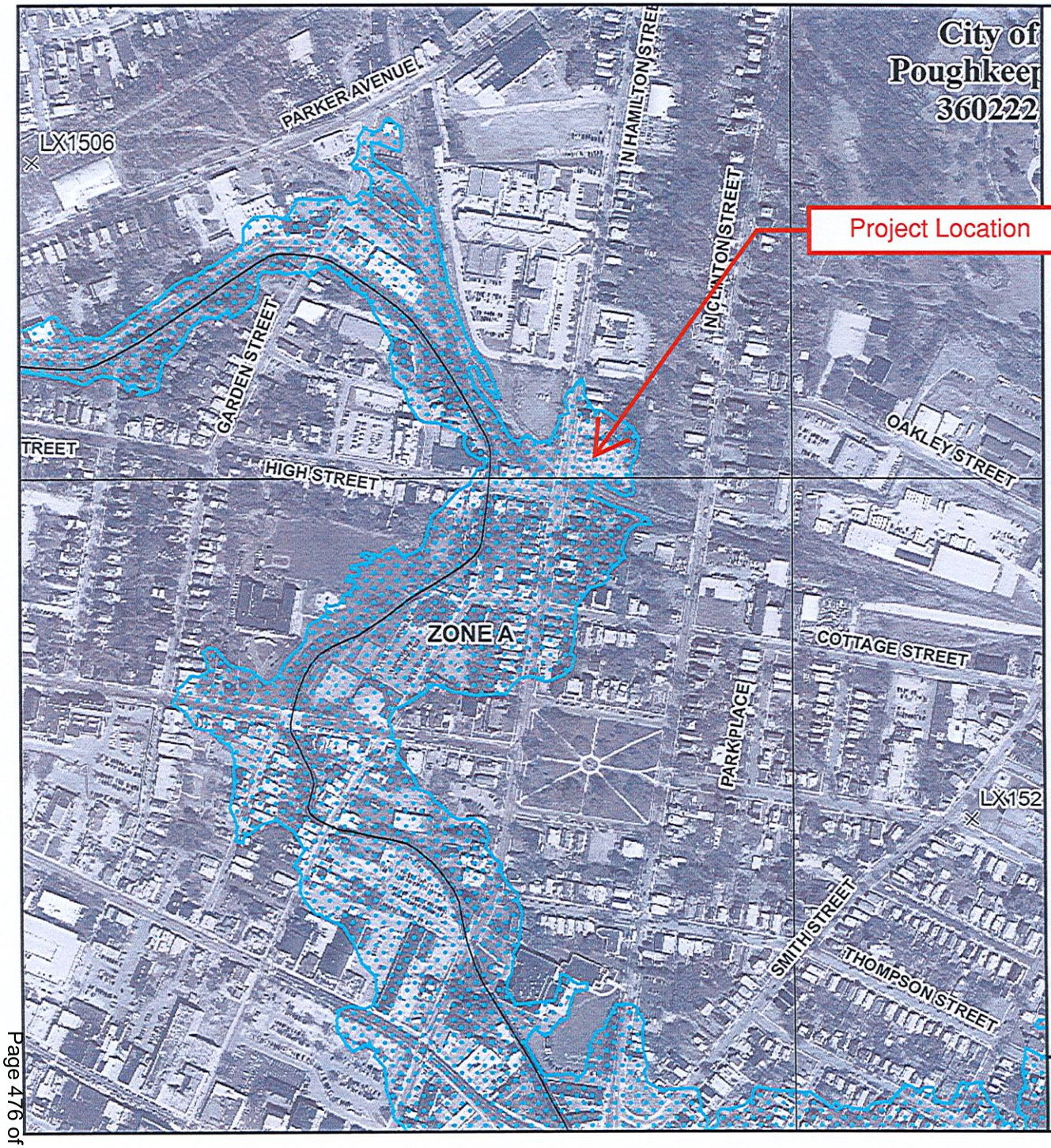
USEPA performed an emergency response action to identify, remove and dispose of hazardous materials abandoned in the facility buildings. By March 2011, all of the staged and containerized wastes were shipped off-site for disposal and EPA demobilized from the site. The USEPA evaluated the results of the test pitting and soil sampling 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



MAP SCALE 1" = 500'

250 0 500 1000 FEET

150 0 150 300

NFIP

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0358E

FIRM

FLOOD INSURANCE RATE MAP

for DUTCHESS COUNTY, NEW YORK
(ALL JURISDICTIONS)

CONTAINS:

COMMUNITY	NUMBER
POUGHKEEPSIE, CITY OF	360222
POUGHKEEPSIE, TOWN OF	361142

PANEL 358 OF 602
MAP SUFFIX: E
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
36027C0358E

EFFECTIVE DATE
MAY 2, 2012

Federal Emergency Management Agency

This is an official FIRMette showing a portion of the above-referenced flood map created from the MSC FIRMette Web tool. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For additional information about how to make sure the map is current, please see the Flood Hazard Mapping Updates Overview Fact Sheet available on the FEMA Flood Map Service Center home page at https://msc.fema.gov.

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: 1:995 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 18, Sep 1, 2021

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
BeC	Bernardston silt loam, 8 to 15 percent slopes	0.4	24.1%
DxB	Dutchess-Cardigan-Urban land complex, undulating, rocky	1.3	75.6%
Ur	Urban land	0.0	0.3%
Totals for Area of Interest		**1.7**	**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

BeC—Bernardston silt loam, 8 to 15 percent slopes

Map Unit Setting

National map unit symbol: 9rdn
Elevation: 0 to 1,000 feet
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: Farmland of statewide importance

Map Unit Composition

Bernardston and similar soils: 80 percent
Minor components: 20 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Bernardston

Setting

Landform: Till plains, hills, drumlinoid ridges
Landform position (two-dimensional): Shoulder
Landform position (three-dimensional): Crest
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Loamy, acid, dense till derived mainly from phyllite, shale, slate, and schist

Typical profile

H1 - 0 to 8 inches: silt loam
H2 - 8 to 27 inches: silt loam
H3 - 27 to 80 inches: silt loam

Properties and qualities

Slope: 8 to 15 percent
Depth to restrictive feature: 15 to 30 inches to densic material
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)
Depth to water table: About 18 to 24 inches
Frequency of flooding: None
Frequency of ponding: None
Available water supply, 0 to 60 inches: Low (about 4.8 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 3e
Hydrologic Soil Group: C/D
Ecological site: F144AY007CT - Well Drained Dense Till Uplands
Hydric soil rating: No

Minor Components

Punsit

Percent of map unit: 5 percent
Hydric soil rating: No

Pittstown
Percent of map unit: 5 percent
Hydric soil rating: No

Stockbridge
Percent of map unit: 5 percent
Hydric soil rating: No

Unnamed soils, fine-loamy
Percent of map unit: 3 percent
Hydric soil rating: No

Sun
Percent of map unit: 1 percent
Landform: Depressions
Hydric soil rating: Yes

Canandaigua
Percent of map unit: 1 percent
Landform: Depressions
Hydric soil rating: Yes

DxB—Dutchess-Cardigan-Urban land complex, undulating, rocky

Map Unit Setting
National map unit symbol: 9rfr
Elevation: 20 to 1,000 feet
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
Dutchess and similar soils: 30 percent
Cardigan and similar soils: 25 percent
Urban land: 20 percent
Minor components: 25 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Dutchess

Setting
Landform: Ridges, hills
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Crest
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Loamy till derived mainly from phyllite, slate, schist, and shale

Typical profile
H1 - 0 to 8 inches: silt loam

H2 - 8 to 28 inches: silt loam
H3 - 28 to 86 inches: channery silt loam

Properties and qualities

Slope: 1 to 6 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 1.98 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water supply, 0 to 60 inches: High (about 9.6 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 2e
Hydrologic Soil Group: B
Ecological site: F144AY034CT - Well Drained Till Uplands
Hydric soil rating: No

Description of Cardigan

Setting

Landform: Ridges, hills
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Crest
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Loamy till or colluvium derived from phyllite, slate, shale, and schist

Typical profile

H1 - 0 to 8 inches: channery silt loam
H2 - 8 to 20 inches: channery loam
H3 - 20 to 30 inches: channery silt loam
H4 - 30 to 34 inches: unweathered bedrock

Properties and qualities

Slope: 1 to 6 percent
Depth to restrictive feature: 20 to 40 inches to lithic bedrock
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water supply, 0 to 60 inches: Low (about 4.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 2e
Hydrologic Soil Group: C
Ecological site: F144AY034CT - Well Drained Till Uplands
Hydric soil rating: No

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

Percent of map unit: 10 percent
Hydric soil rating: No

Georgia

Percent of map unit: 5 percent
Hydric soil rating: No

Nassau

Percent of map unit: 5 percent
Hydric soil rating: No

Massena

Percent of map unit: 4 percent
Hydric soil rating: No

Sun

Percent of map unit: 1 percent
Landform: Depressions
Hydric soil rating: Yes

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

Rock outcrop

Percent of map unit: 1 percent
Hydric soil rating: Unranked

Unnamed soils, undisturbed

Percent of map unit: 1 percent
Hydric soil rating: Unranked

References

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Dutchess County
New York

117 N Hamilton-Wetlands

Dutchess County, NY

Printed by:
ParcelAccess

0 110 220 ft

ParcelAccess
Internet
11/5/2021

THE CITY OF POUGHKEEPSIE

DEPARTMENT OF PUBLIC WORKS & ENGINEERING

SITE PLAN REVIEW

Form #1

1. Date: June 7, 2022

2. Name of Site Plan: 117 North Hamilton

3. Address or Location: 117 North Hamilton Street

4. Owner: 117 N Hamilton, LLC

5. Engineer/ Architect: Rohde, Soyka & Andrews

6. Yes ☐ No ☐ The site plan as forwarded by the Planning Department is acceptable and will be signed off on with no condition(s).

7. Yes ☐ No ☐ The site plan as forwarded by the Planning Department is acceptable and has been signed off on with no condition(s).

8. Yes ☒ No ☐ The applicant should be notified that the Dept. of Public Works/Engineering requires the following comment(s) be addressed:

ENGINEERING SITE PLAN REVIEW COMMENTS:

1. Show existing catch basins, storm sewer, and manholes at North Hamilton Street near the south side of site. Show Invert Elevations of nearest storm sewer on utility plan.
2. Submit Storm Water Pollution Prevention Plan (SWPPP) for review and approval. Show proposed storm water facilities on site plan.
3. It is recommended that the silt fence be extended beyond the limits shown on the Erosion Control Plan.
4. Submit stability calculation and details for retaining walls greater than 5'.
5. Indicate what existing valve box and curb box at curb-cut services, verify water services have been abandoned at main.
6. Abandon existing aprons/drop curbs. Replace with 6" curb, top soil/seed and 5' wide sidewalk.
7. Replace all sidewalk in disrepair along property front.
8. Replace broken curb at property front.

Joseph T. Kane,
Assistant Civil Engineer

Note: If #6 or #7 above are checked "yes" there is no need to go on to Form #2.

THE CITY OF POUGHKEEPSIE
FIRE DEPARTMENT
505 MAIN STREET
POUGHKEEPSIE, NY 12601
TEL: 845-451-4079 FAX: 845-451-4191
FIRE CHIEF JOSEPH FRANCO

SITE PLAN REVIEW FORM

CITY OF POUGHKEEPSIE
FIRE DEPARTMENT
LT. BRIAN HAY
FIRE INSPECTION DIVISION
845-451-4206 OFFICE
845-451-4079 MAIN
845-451-4191 FAX
FIREINSPECTIONS@CITYOFPOUGHKEEPSIE.COM
505 MAIN STREET POUGHKEEPSIE, NY 12601

TO: Planning Board

FROM: Fire Chief Franco

DATE: July 19, 2022

ADDRESS: 117 N Hamilton St.

_____ The site plan is acceptable and will be signed without conditions.

The site plan cannot be approved as submitted. The following comments must be addressed or conditions satisfied:

_X_ Location of Knox Box entry system will be provided by the applicant with a quantity and location approved by the Fire Official. A master key system shall be provided and keys supplied on completion of construction.

_X_ If a standpipe/sprinkler system is required, the location of the Fire Department connection shall be noted, and verification that the existing water supply can meet the system demand provided.

_(X)_ Roadways shall be a minimum of 26' wide and cap at supporting 75,000 lbs. Aerial devices shall be able to negotiate gates, entrances and set-up on premises. Rolled curbing not in excess of 5" on inside turning radius shall be noted. Additional data available from the Fire Department.

_X_ An approved rapid entry system shall be installed to open any gates.

_X_ If a Fire Alarm system is required, the location of the annunciator panel shall be noted on the construction drawing at the location approved by the Fire Official.

_X_ 911 address to be noted on façade, a minimum of 6" in height in contrasting colors.

OTHER COMMENTS:

X

As drawn, fire apparatus will not be able to access the north driveway and make the turn to get to the back of the building.

July 19, 2022

City of Poughkeepsie Planning Board
Attn: Robert Levine, Chairman
63 Civic Center Plz
Poughkeepsie, NY 12601

cc: Natalie Quinn, Development Director

RE: 2022-020: 117 North Hamilton Street

MASS DESIGN GROUP

1 Chandler Street #101
Boston, MA 02118

289 Main Street #101
Poughkeepsie, NY 12601

hello@massdesigngroup.org
+1 857 233 5788
+1 845 473 4003

massdesigngroup.org

Dear City of Poughkeepsie Planning Board,

An architectural workshop was convened on July 7, 2022 with Jason Anderson, Eric Baxter, Lauren Rutkowski, Natalie Quinn, and Christopher Kroner.

We understand that the construction of this facility is a pre-engineered metal building construction, and that Anderson Design Group (Montgomery NY) is working within the manufacturer's assembly parameters. We find the palette of the dark front and silver/gray metal rear to be an attractive solution to helping each building have a clear identity, and we observe that the graphics proposed have been decreased to help the rear building diminish in appearance from the original proposal.

Materials and Methods

1. One suggestion we discussed with the design team is to **lift the corrugated metal siding from the ground at the same height as the landscape retaining wall**, and that may allow the building to appear a bit smaller in proportion and integrate with the landscape components.
2. We understand that in lieu of wood planks, a proposed aluminum 22' "Longboard" plank is currently being suggested/substituted for the rendered wood shown in the facades. We also discussed the design team's decision not to include that material on the side walls at each doorway recess. **More product information and material samples would help explain this for further planning board review.**

Lighting

The workshop discussed the lighting strategy of downlights versus wall mounted lighting. We interpret the design to use downlights exclusively in order to keep the building appearance clean and modern without adornments, which feels supportable in this particular massing, assuming the lighting levels are sufficient.

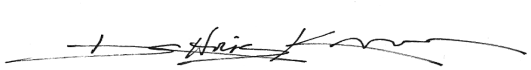
Landscape and Site Concerns

1. The planning board may want to recommend adding trees to the front yard strip to help reinforce the rhythm of the front entryways, and help alleviate the height of the building facade.
2. Fencing along the rail spur trail was discussed and we suggested that the fencing be upgraded to be more opaque to help shield the visual impact of the rear building yard's storage operations.
3. It was discussed whether permeable paving could be incorporated into the site plan, and the design team agreed to consider that further.

4. Building address signage was discussed briefly, and while that may come as a future application for signage review, alternate locations for the address signs were offered as part of the landscape walls. **Design team offered to continue to refine.**
5. **The applicant should please clarify HVAC configuration, electrical and gas meter service and meter locations for planning board review.**

We look forward to the evolution of this design of this inventive project, and are available for further followup or clarifications as needed..

Sincerely,



Chris Kroner
Principal
ckroner@mass-group.org

CITY OF POUGHKEEPSIE POLICE DEPARTMENT

SITE PLAN REVIEW

DATE: 07/08/2022

PROJECT NAME: 117 N HAMILTON STREET

PROJECT ADDRESS: 117 N HAMILTON STREET

☒ **THE SITE PLAN IS ACCEPTABLE AND WILL BE SIGNED WITH NO CONDITIONS**

☐ **THE SITE PLAN IS UNACCEPTABLE.**

CONDITIONS:

RECEIVED
JUL 11 2022

APPROVED BY CHIEF THOMAS PAPE OR AGENT:	DATE:
Sgt SGT. E. ACKEN #112	07/08/2022

BUILDING DEPARTMENT

CITY OF POUGHKEEPSIE
62 CIVIC CENTER PLAZA, 2ND FLOOR
POUGHKEEPSIE, NY 12601
Phone: (845) 451-4007 Fax: (845) 451-4006

Eric Philipp
Building Inspector

SITE PLAN REVIEW

DATE: 7-122

PROJECT ADDRESS: 117 N Hamilton St

PROJECT NAME:

OWNER: Baxter Development Corp

ENGINEER/ARCHITECT: Rohde, Soyka & Andrews, Consulting Engineers, PC

☑ **The site plan is acceptable and will be signed with no conditions.**

☐ **The site plan cannot be approved as submitted. The following comments must be addressed or conditions satisfied:**

_____

_____

_____

_____

_____

_____

Eric Philipp
Building Inspector

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: 176 Rinaldi Blvd, Poughkeepsie, NY 12601

II. PROPERTY OWNER: Poughkeepsie Waterfront Development LLC
ADDRESS: 176 Rinaldi Blvd
Poughkeepsie
New York 12601 (state and zip code)
PHONE NUMBER: _____ (include area code)

III. NAME OF APPLICANT: Joesph A Bonura Jr.
ADDRESS: 176 Rinaldi Blvd
Poughkeepsie
New York 12601 (state and zip code)
PHONE NUMBER: 845.486.4700 (include area code)
EMAIL ADDRESS: jab@bonurahospitality.com

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

IV. CONSULTANT: Tinkelman Architecture
ADDRESS: 33 Arlington Avenue, 2nd Floor
Poughkeepsie, NY 12603 (state and zip code)
PHONE NUMBER: 845.473.0200 (include area code)

V. PROPOSED USE or FAÇADE CHANGE (Summarize proposed use or uses):
Accessory structure (Wedding Cottage) to Restaurant & Catering Facility

VI. ZONING DISTRICT: W - Waterfront

(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: $_____TBD_____

LOT AND BULK INFORMATION:

Lot area: _____5.47_____ (acres) _____ (square feet)

Building Footprint: _____1,000 sf_____ (proposed square feet for new construction)

_____ (existing square feet for change of use/expansion)

_____ (additional proposed square feet for expansion)

_____47,612 sf_____ (total building footprint, square feet)

Lot Coverage: _____19.98%_____ (percentage, building coverage only)

Gross Floor Area: _____1,800 sf_____ (proposed square feet for new construction)

_____ (existing square feet for change of use/expansion)

_____ (additional proposed square feet for expansion)

_____48,412 sf_____ (total gross floor area, square feet)

Building Height: _____2_____ (stories) _____+/- 27_____ (feet)

Floor Area Ratio: _____0.203_____ (ratio of gross floor area divided by lot area)

VIII. PROJECT PARKING INFORMATION

A) Number of Off-Street Parking Spaces required: _____156 (no change)_____

B) Number of Off-Street Parking Spaces provided: _____181 (no change)_____

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: _____
(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: _____
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):

Accessory Structure adjacent to Existing Restaurant & Catering Facility:

The applicant is submitting plans for an accessory building on the parcel in order to compliment the restaurant / outdoor wedding facility. This proposal will not increase any of the existing guest count but to better serve outdoor weddings with dedicated toileting facilities along with a bridal suite and furniture storage.

XVII. APPLICANT CERTIFICATION

I, Joseph A Bonura Jr., 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

8/23/2022

Date

August 23, 2022

Chairman Robert Levine
Honorable Members of the City of Poughkeepsie Planning Board
City of Poughkeepsie
62 Civic Center Plaza
Poughkeepsie, NY 12601

RE: 176 Rinaldi Blvd – Site Plan Review
Parcel # 131300-6061-26-744884
Poughkeepsie, NY 12601

Dear Chairman Levine and Members of the Planning Board,

I hope this letter finds you well.

Please accept this letter and accompanying documents as our submission to the Planning Board for the above referenced project. The documents submitted with this package include: a Site Plan drawing set, an Elevation drawing set, a Short Form EAF, and supplemental materials.

The Site Plan Drawing set, which is dated August 23, 2022, includes the following drawings:

1. PZ-TS TITLE SHEET
2. PZ-EC EXISTING CONDITIONS PHOTOS
3. V101 TOPOGRAPHIC SURVEY
4. PZ-01 SITE PLAN – EXISTING CONDITIONS
5. PZ-02 SITE PLAN - PROPOSED
6. PZ-03 EXTERIOR ELEVATIONS
7. PZ-03a EXTERIOR ELEVATIONS
8. PZ-04 RENDERINGS
9. PZ-05 RENDERINGS

The applicant is submitting this package for Site Plan approval to construct an accessory building on the listed parcel to compliment the Poughkeepsie Waterfront Development LLCs restaurant / outdoor wedding facility at The Grandview. This proposal will not call to increase any of the existing business plans for additional guests, but to better serve the outdoor wedding facility by providing toileting facilities, dedicated bridal suite, and furniture storage.

Additionally, a proposed free-standing portico is planned to serve the guests of the restaurant / outdoor wedding facility, to allow better site circulation and stagger arrival / pick ups.

All existing utilities including electrical service, water service, sanitary sewer, and stormwater collection are to be connected to existing service connections within the restaurant building and tied-into the new structure as part of this application.

The plans have been revised to address comments from the City of Poughkeepsie Planning Board. The following are responses to comments:

<u>City of Poughkeepsie Site Plan Check Sheet Comments dated 8/9/22:</u>

1. The additional check for the balance of $120.00 will be provided with this submission.

2. This property is owned by the City of Poughkeepsie (Parcel # 131300-6061-26-744884) in which the applicant (Poughkeepsie Waterfront Development LLC) has a 99 year lease in place.
3. This project is part of the growing portfolio of the applicant / owners event & hospitality ventures and is in good financial position to complete the work as described in this application.
4. The lines of the existing property have been revised to make it clear where they are in relation to adjacent lots.
5. A note has been added to PZ-01 to indicate that all easements are existing, and that no existing easements will be affected by this proposed project, as all easements are outside of the project work area.
6. PZ-01- Site Plan has been revised to include descriptions of buildings on adjacent properties (located on North Side of Hurlihe Street).
7. PZ-01 / PZ-02 have been revised to better show the existing utilities on the property.
8. The project site is outside of the FEMA flood plain, and a FEMA flood plain map has been provided on the PZ-TS - Title Sheet.
9. Drawings have been revised to describe cardinal directions on Exterior Elevations along with providing material selections for façade, doors, windows, and roofing.
10. The proposed landscaping will be minor due to existing landscaping throughout the existing site property. A drawing has been provided (PZ-EC – Existing Conditions Photos) to highlight the current state of landscaping and the reasoning for minimal new plantings.
11. While the extent of the site grading will be minimal, topography has been revised on PZ-02 to highlight the new grades that will be proposed surrounding the new structure.
12. The current and proposed use for this project is a restaurant. The restaurant facility also is accompanied with a catering and outdoor wedding venue. The application and drawings are revised to document the project as such.
13. The total proposed gross square footage of the Wedding Cottage is 1,800 sf and will be reflected as such throughout the application.

If you have any additional comments or concerns, please do not hesitate to contact our office at your earliest convenience.

Respectfully submitted,

Tinkelman Architecture

Steven Tinkelman, AIA
Managing Member

CC: Natalie Quinn, City of Poughkeepsie

PROJECT TITLE:

GRANDVIEW WEDDING COTTAGE

PROJECT ADDRESS:

176 RINALDI BLVD.
POUGHKEEPSIE, NY 12601

CLIENT:

POUGHKEEPSIE WATERFRONT DEVELOPMENT, LLC

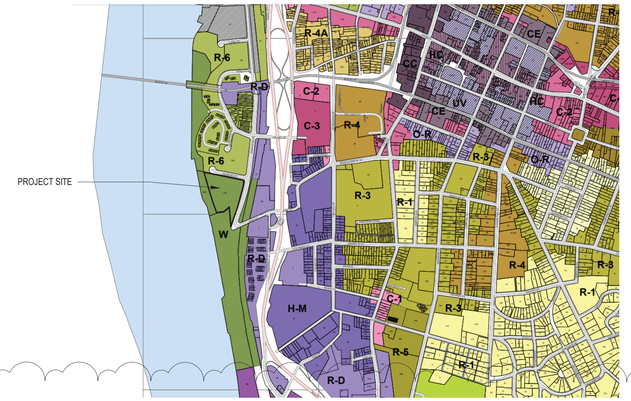
CLIENT ADDRESS:

176 RINALDI BLVD.
POUGHKEEPSIE, NY 12601

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

ZONING DISTRICT MAP: NTS



LOCATION MAP: 1" = 400'

ADJOINING PROPERTY OWNERS

I.D. NO.	GRID NO.	ZONE	NAME - PRIMARY ADDRESS
SITE	744884	W	POUGHKEEPSIE WATERFRONT DEVELOPMENT, LLC 176 RINALDI BLVD POUGHKEEPSIE, NY 12601
1	714887	W	CITY OF POUGHKEEPSIE PO BOX 300 POUGHKEEPSIE, NY 12602
2	752749	W	CITY OF POUGHKEEPSIE 62 CIVIC CENTER PLAZA POUGHKEEPSIE, NY 12602
3	791838	R-D	PINE STREET MEDICAL BLDG INC 1351 ROUTE 55 LAGRANGEVILLE, NY 12540
4	797885	R-D	CITY OF POUGHKEEPSIE 62 CIVIC CENTER PLAZA POUGHKEEPSIE, NY 12602
5	803922	R-D	CITY OF POUGHKEEPSIE 62 CIVIC CENTER PLAZA POUGHKEEPSIE, NY 12602
6	756939	R-6	HUDSON TERRACE OWNERS 4 BRIDGE STREET BROADALBIN, NY 12025
7	714887	W	CITY OF POUGHKEEPSIE PO BOX 300 POUGHKEEPSIE, NY 12602

CERTIFICATIONS

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

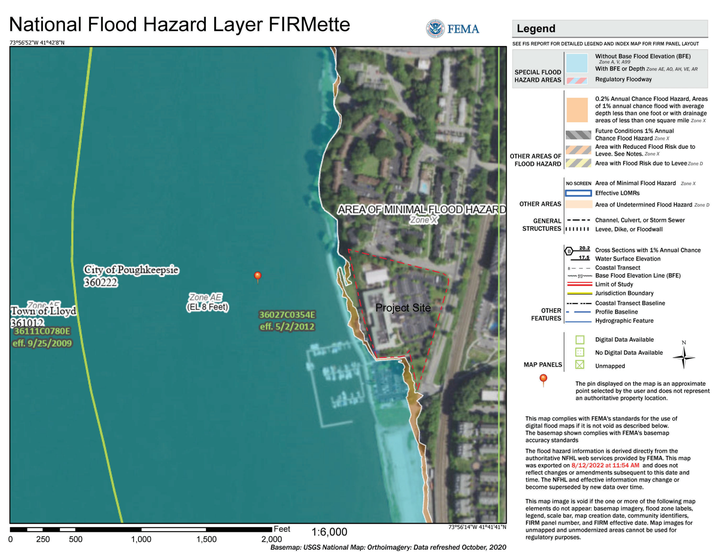
Police Chief

Building Inspector

City Engineer

Commissioner of Public Works

FLOOD PLAN MAP: NTS



DRAWING INDEX

Sheet Number	Sheet Name
0 - COVER	
PZ-TS	TITLE SHEET
1 - GENERAL	
PZ-EC	EXISTING CONDITIONS PHOTOS
V101	SITE SURVEY
2 - ARCHITECTURAL	
PZ-01	SITE PLAN - EXISTING CONDITIONS
PZ-02	SITE PLAN - PROPOSED
PZ-03	EXTERIOR ELEVATIONS
PZ-03a	EXTERIOR ELEVATIONS
PZ-04	RENDERINGS
PZ-05	RENDERINGS

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CLIENT NAME:

POUGHKEEPSIE WATERFRONT DEVELOPMENT, LLC
176 RINALDI BLVD.
POUGHKEEPSIE, NY 12601

PROJECT NAME:

GRANDVIEW WEDDING COTTAGE

176 RINALDI BLVD.
POUGHKEEPSIE, NY 12601

REGISTERED ARCHITECT STEVEN TINKELMAN 16526 STATE OF NEW YORK

NO.	SUBMISSION DESCRIPTION	DATE
2	PLANNING BOARD COMMENTS	2022.08.23
1	PLANNING BOARD SUBMISSION	2022.07.26

TITLE SHEET

Date: 2022.08.23
Proj. No: Y2211.10
Drawn By: JL

PZ-TS

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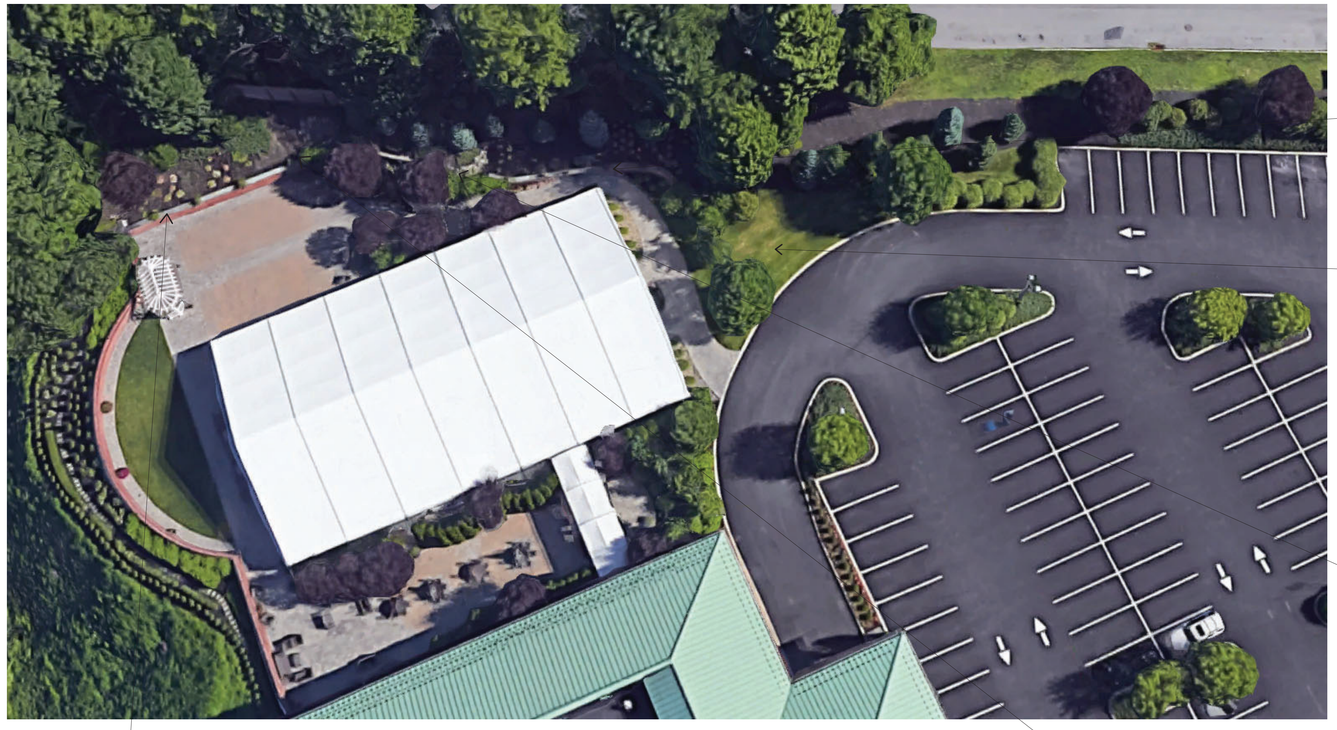

2

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POUGHKEEPSIE WATERFRONT DEVELOPMENT, LLC
176 RINALDI BLVD.
POUGHKEEPSIE, NY 12601

PROJECT NAME:
GRANDVIEW WEDDING COTTAGE

176 RINALDI BLVD.
POUGHKEEPSIE, NY 12601

REGISTERED ARCHITECT PREVEN TINKELMAN 16526 STATE OF NEW YORK

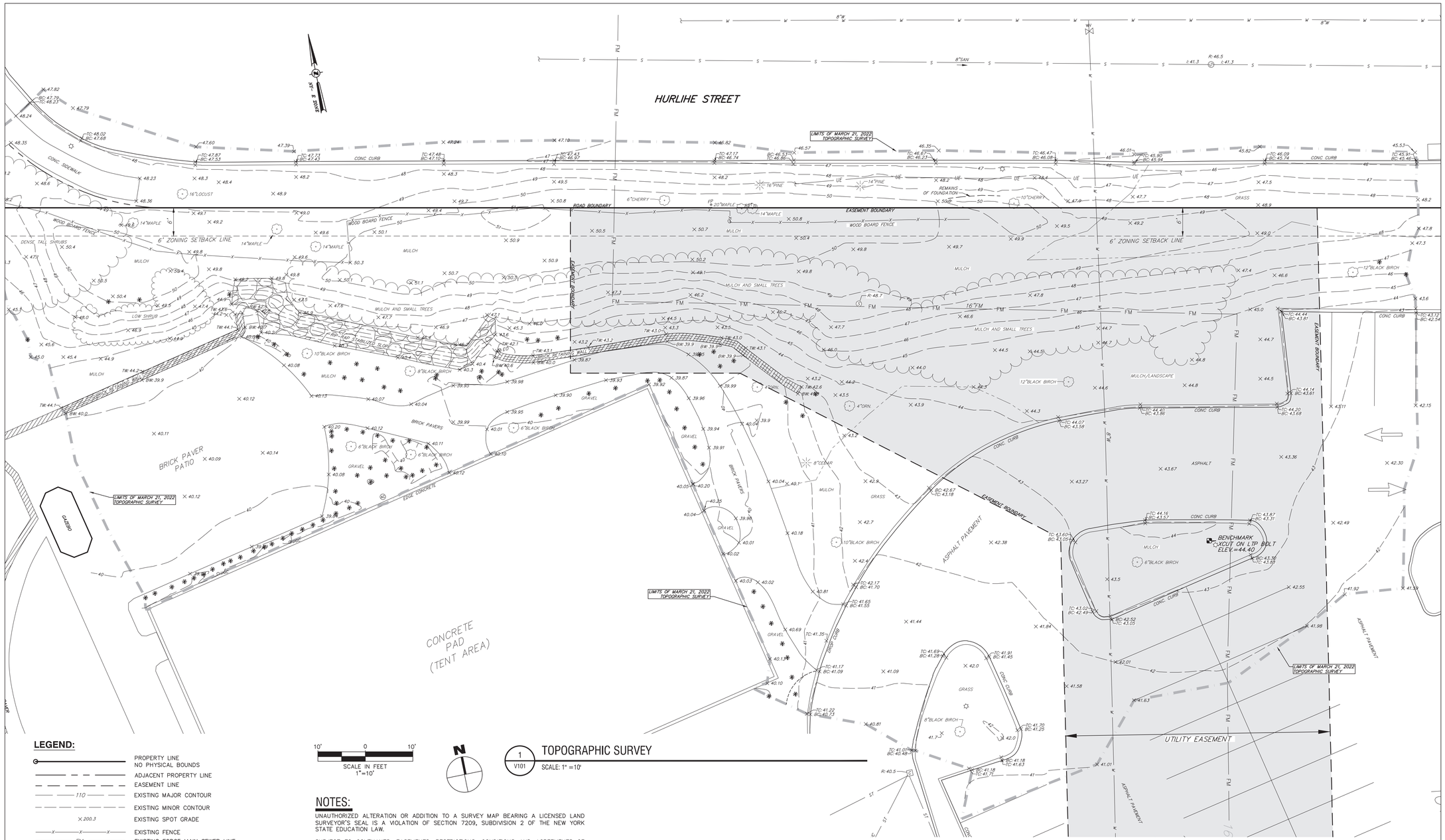
NO.	SUBMISSION DESCRIPTION	DATE
2	PLANNING BOARD COMMENTS	2022.08.23

EXISTING CONDITIONS PHOTOS

Date: 2022.08.23
Proj. No: Y2211.10
Drawn By: JL

PZ-EC

8/24/2022 8:19:24 AM



LEGEND:

- PROPERTY LINE / NO PHYSICAL BOUNDS
- ADJACENT PROPERTY LINE
- EASEMENT LINE
- 110 — EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- × 200.3 — EXISTING SPOT GRADE
- EXISTING FENCE
- FM — EXISTING FORCE MAIN SEWER LINE
- S — 8" SAN — EXISTING UNDERGROUND SEWER LINE
- ST — 15" RCP — EXISTING UNDERGROUND STORM LINE
- W — EXISTING WATER LINE
- UE — EXISTING UNDERGROUND ELECTRIC LINE
- SIDEWALK — EXISTING SIDEWALK
- CONC. CURB — EXISTING CURB
- EXISTING TREE LINE
- EXISTING HEDGE LINE
- EXISTING AIR CONDITION COMPRESSOR
- EXISTING SANITARY MANHOLE
- EXISTING FENCE POST
- EXISTING CONIFEROUS TREE
- EXISTING DECIDUOUS TREE
- EXISTING SHRUB
- ×BC: 200.3 — EXISTING SPOT GRADE BOTTOM CURB
- ×TC: 200.3 — EXISTING SPOT GRADE TOP CURB
- ×BW: 200.3 — EXISTING SPOT BOTTOM WALL
- ×TW: 200.3 — EXISTING SPOT TOP WALL
- ×R: 216.3 — EXISTING RIM ELEVATION
- ×I: 200.3 — EXISTING INVERT ELEVATION
- EXISTING CATCH BASIN
- EXISTING LIGHT POLE

10' 0 10'
SCALE IN FEET
1"=10'

1 V101 TOPOGRAPHIC SURVEY
SCALE: 1" =10'

NOTES:

UNAUTHORIZED ALTERATION OR ADDITION TO A SURVEY MAP BEARING A LICENSED LAND SURVEYOR'S SEAL IS A VIOLATION OF SECTION 7209, SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

SUBJECT TO COVENANTS, EASEMENTS, RESTRICTIONS, CONDITIONS AND AGREEMENTS OF RECORD.

SUBSURFACE STRUCTURES NOT VISIBLE OR READILY APPARENT ARE NOT SHOWN AND THEIR LOCATION AND EXTENT ARE NOT CERTIFIED.

LOCATION OF EXISTING PROPERTY MARKERS NOT SHOWN OR CERTIFIED BY THIS SURVEY.

SUBJECT TO THE INTEREST OF OTHERS IN AND TO THAT PORTION OF HURLIHE ROAD USED FOR ROAD PURPOSES.

NORTH ORIENTATION IS PER NEW YORK STATE PLANE EAST ZONE NORTH AMERICAN DATUM OF 1983 (NAD83). BEARINGS SHOWN ARE REFERENCED TO THIS DATUM AND THEREFORE MAY NOT MATCH RECORDED BEARINGS. PER MAP REFERENCE NO.1

TOPOGRAPHY SHOWN HEREON WAS COMPILED FROM A FIELD SURVEY COMPLETED MARCH 21, 2022, BY LABELLA ASSOCIATES PC, (EXISTING SITE VERTICAL DATUM IS APPROXIMATE "CITY OF POUGHKEEPSIE TOPOGRAPHIC DATUM", WHICH IS 1.3'+/– BELOW NAVD88 AND/OR 2.2'+/– BELOW NGVD29), 1 FOOT CONTOUR INTERVAL.

UNDERGROUND FACILITIES AND STRUCTURES SHOWN HEREON WERE TAKEN FROM DATA OBTAINED FROM PREVIOUS MAPS AND RECORD DRAWINGS. ALL ABOVE GROUND STRUCTURES AND SURFACE FEATURES SHOWN HEREON ARE THE RESULT OF A FIELD SURVEY UNLESS OTHERWISE NOTED. THERE MAY BE OTHER UNDERGROUND UTILITIES, THE EXISTENCE OF WHICH ARE NOT KNOWN OR CERTIFIED BY THE UNDERSIGNED. SIZE AND LOCATION OF ALL UNDERGROUND UTILITIES AND STRUCTURES MUST BE VERIFIED BY THE APPROPRIATE AUTHORITIES. THE UNDERGROUND FACILITIES PROTECTIVE ORGANIZATION MUST BE NOTIFIED PRIOR TO CONDUCTING TEST BORINGS, EXCAVATION AND CONSTRUCTION.

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:

TOPOGRAPHIC SURVEY DEPICTS A PORTION OF THE LAND SHOWN ON A MAP ENTITLED "MAP OF SURVEY PREPARED FOR POUGHKEEPSIE WATERFRONT DEVELOPMENT, LLC" PREPARED BY THE CHAZEN COMPANIES AND DATED JUNE 14, 2012.

DEED REFERENCE:

CITY OF POUGHKEEPSIE TO CITY OF POUGHKEEPSIE INDUSTRIAL DEVELOPMENT AGENCY, DATED MARCH 29, 2004 AND RECORDED IN THE [COUNTY] COUNTY CLERK'S OFFICE ON MARCH 30, 2004 AS DEED DOCUMENT NO. 02–2004–4060.

TAX PARCEL DESIGNATION:

CITY OF POUGHKEEPSIE, DUTCHESS COUNTY, NEW YORK
6061–26–744884

STATE OF NEW YORK
DAVID H. DIPPEL
050677
LICENSED LAND SURVEYOR

DAVID H. DIPPEL L.S. NYS #050677

LaBella
Powered by partnership.

21 Fox Street
Poughkeepsie, NY 12601
(845) 454-3980

labellapc.com

NOT FOR CONSTRUCTION

It is a violation of New York Education Law Article 145 Sec.7209, for any person, unless acting under the direction of a licensed architect, professional engineer, or land surveyor, to alter an item in any way. If an item bearing the seal of an architect, engineer, or land surveyor is altered, the altering architect, engineer, or land surveyor shall affix to the item their seal and notation "altered by" followed by their signature and date of such alteration, and a specific description of the alteration.

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BONURA HOSPITLALITY GROUP
176 RINALDI AVENUE
POUGHKEEPSIE, NEW YORK 12601

GRANDVIEW RESTAURANT VENUE
176 RINALDI AVENUE
POUGHKEEPSIE, NEW YORK 12601

NO:	DATE:	DESCRIPTION:
Revisions		

S.E.D. NUMBER:
PROJECT NUMBER: 2221569
DRAWN BY: AJF
REVIEWED BY: DHD
ISSUED FOR: ISSUED FOR
DATE: 03/23/22
DRAWING NAME:

MAP OF TOPOGRAPHY OF A PORTION OF GRANDVIEW RESTAURANT VENUE

DRAWING NUMBER:

V101

\\chazencompanies.com\chazen\2022Projects\Bonura, Joseph A\2221569 - Grandview Partial Topo Survey\06_Drawings\Survey\dwg\05_SVY_2221569-EX-CON.dwg
VERSION 21.1
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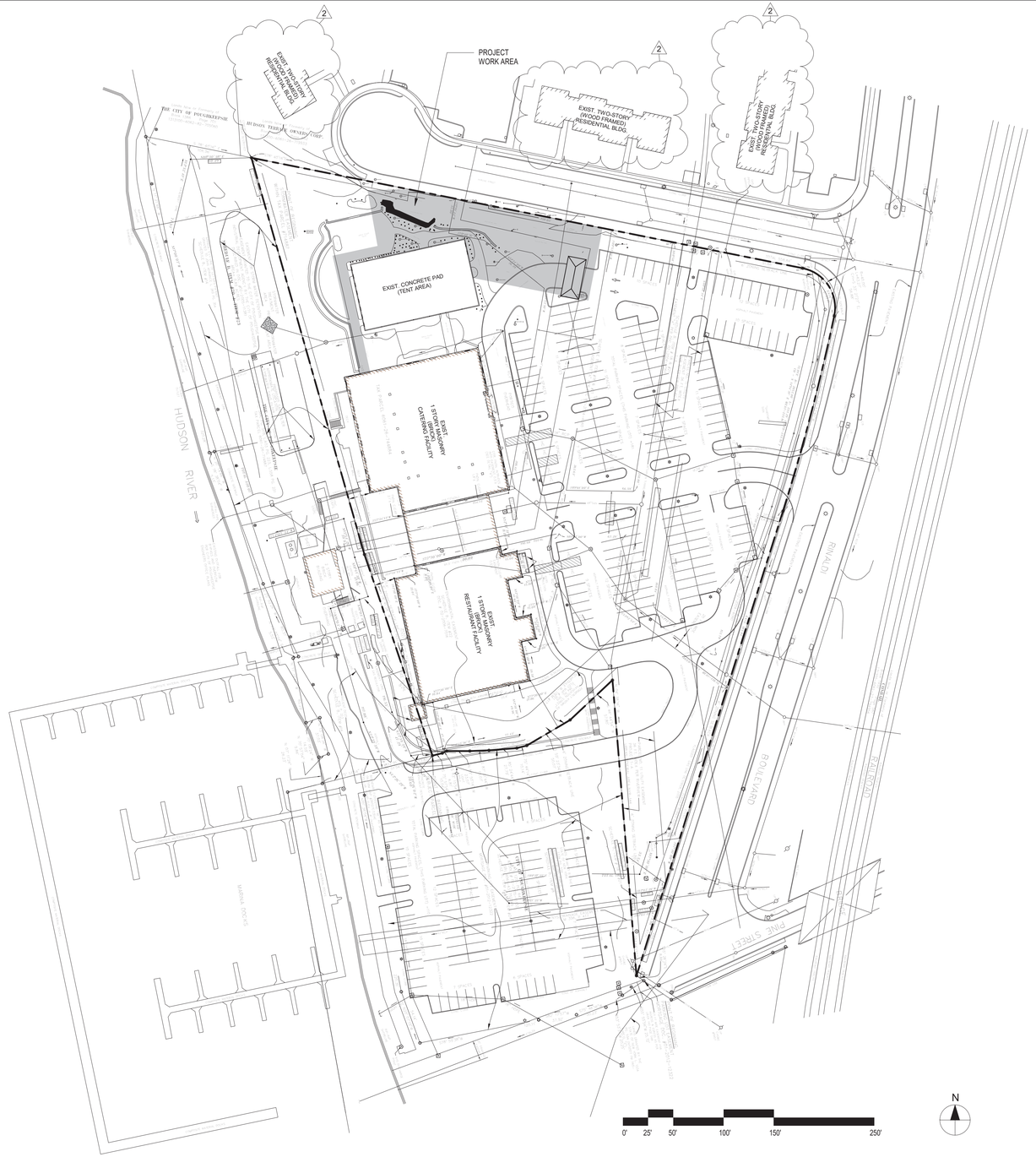

1 SITE PLAN - EXISTING CONDITIONS
1" = 60'-0"

DEED REFERENCES:

CITY OF POUGHKEEPSIE TO CITY OF POUGHKEEPSIE INDUSTRIAL DEVELOPMENT AGENCY, DATED MARCH 29, 2004 AND RECORDED IN THE COUNTY CLERK'S OFFICE ON MARCH 30, 2004 AS DEED DOCUMENT NO. 02-2004-4060

TOTAL PARCEL AREA:

5.47 ACRES

LEGEND:

PROJECT WORK AREA

PROPERTY LINE

NOTES:

1. SITE PLAN SHOWS EXISTING CONDITIONS FOR REFERENCE OF ENTIRE PARCEL SITE.
2. ALL EASEMENTS ARE EXISTING UTILITY EASEMENTS AND WILL NOT AFFECT THE PROPOSED PROJECT SITE / CONSTRUCTION. NO NEW EASEMENTS ARE PROPOSED.
3. ALL NEW SERVICES / UTILITIES FOR PROPOSED PROJECT WILL BE COMING FROM EXISTING SERVICES LOCATED WITHIN THE EXISTING FACILITY.

*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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CLIENT NAME:
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176 RINALDI BLVD.
POUGHKEEPSIE, NY 12601

PROJECT NAME:
GRANDVIEW WEDDING COTTAGE
176 RINALDI BLVD.
POUGHKEEPSIE, NY 12601

REGISTERED ARCHITECT ANDREW J. TINKELMAN 16526 STATE OF NEW YORK

NO.	SUBMISSION DESCRIPTION	DATE
2	PLANNING BOARD COMMENTS	2022.08.23
1	PLANNING BOARD SUBMISSION	2022.07.26

SITE PLAN - EXISTING CONDITIONS

Date: 2022.08.23
Proj. No: Y2211.10
Drawn By: JL

PZ-01

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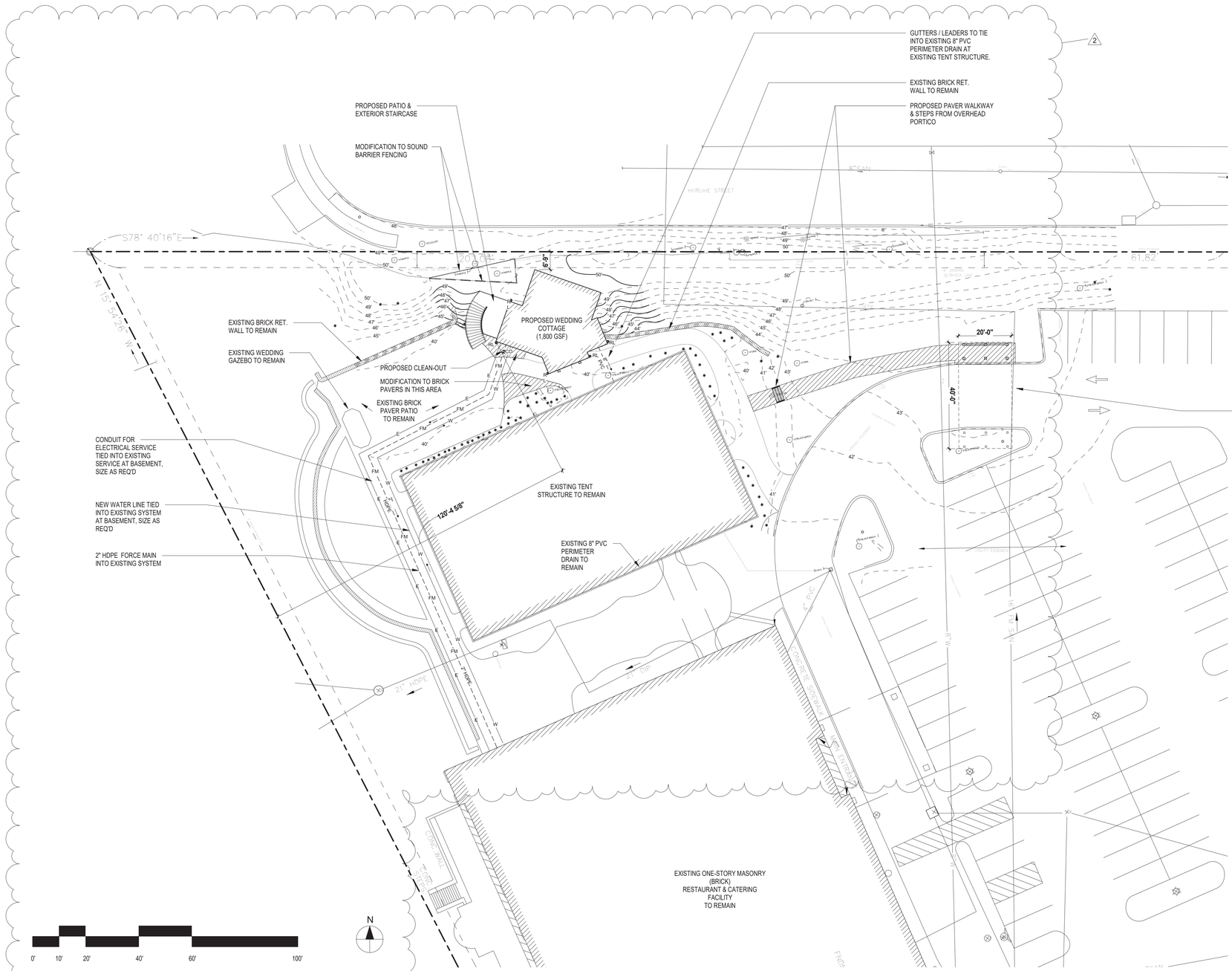

1 SITE PLAN - PROJECT WORK AREA
1" = 20'-0"

BULK TABLE REQUIREMENTS

ZONING INFORMATION		
	ZONE:	W - WATERFRONT
	USE:	RESAURANT WITH CATERING FACILITY
	PERMITTED WITH:	AS-OF-RIGHT (ACCESSORY STRUCTURE)

MINIMUM REQUIREMENTS

	REQUIRED		PROPOSED		CHANGE
LOT AREA	NOT REQUIRED		5.47	ACRES	NO
LOT FRONTAGE	50	FT	+/- 650	FT	NO

BUILDING YARD SETBACKS

	REQUIRED	PROPOSED 2	CHANGE
YARD SETBACKS	NOT REQUIRED, BUT IF PROVIDED MUST BE 6'-0"	6'-9" (SIDE YARD)	YES

MAXIMUM PERMITTED

	REQUIRED	PROPOSED	CHANGE
LOT COVERAGE	50% = 2.735 ACRES	19.98 % = 1.09 ACRES	YES
FLOOR AREA RATIO	1.25 MAX.	0.203 ACRES	YES
HEIGHT	60 FEET	+/- 35 FEET	NO

PARKING

PROPOSED CONSTRUCTION DOES NOT INCREASE EXISTING PARKING REQUIREMENTS AS AN ACCESSORY STRUCTURE TO THE EXISTING CATERING FACILITY.

GENERAL SITE PLAN 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 PACKED AT THE DRIP LINE OR SEVERAL FEET BEYOND. HOWEVER THIS FENCING SHALL NOT CROSS PUBLIC SIDEWALKS. NO STORAGE OR STOCKPILING OF CONSTRUCTION MATERIALS, DEBRIS OR EQUIPMENT SHALL OCCUR WITHIN THE FENCED AREA.
2. ALL NEW SERVICES / UTILITIES FOR PROPOSED PROJECT WILL BE COMING FROM EXISTING SERVICES LOCATED WITHIN THE EXISTING FACILITY.

SITE PLAN LEGEND	
	PROPOSED PAVERS - COLOR / SPEC TO MATCH EXISTING
SD	PROPOSED STORM PIPE - 8" PVC
FM	PROPOSED SEWER PIPE (FORCE MAIN) - 2" HDPE
W	PROPOSED WATER LINE
E	PROPOSED ELECTRICAL SERVICE
	PROPERTY LINE
50'	EXISTING CONTOURS (1 FT INTERVALS)
50'	PROPOSED CONTOURS (1 FT INTERVALS)

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CLIENT NAME:
POUGHKEEPSIE WATERFRONT DEVELOPMENT, LLC
176 RINALDI BLVD.
POUGHKEEPSIE, NY 12601

PROJECT NAME:
GRANDVIEW WEDDING COTTAGE
176 RINALDI BLVD.
POUGHKEEPSIE, NY 12601

REGISTERED ARCHITECT STEVEN TINKELMAN 16526 STATE OF NEW YORK

NO.	SUBMISSION DESCRIPTION	DATE
2	PLANNING BOARD COMMENTS	2022.08.23
1	PLANNING BOARD SUBMISSION	2022.07.26

SITE PLAN - PROPOSED

Date: 2022.08.23
Proj. No: Y2211.10
Drawn By: JL

PZ-02

8/23/2022 4:10:29 PM

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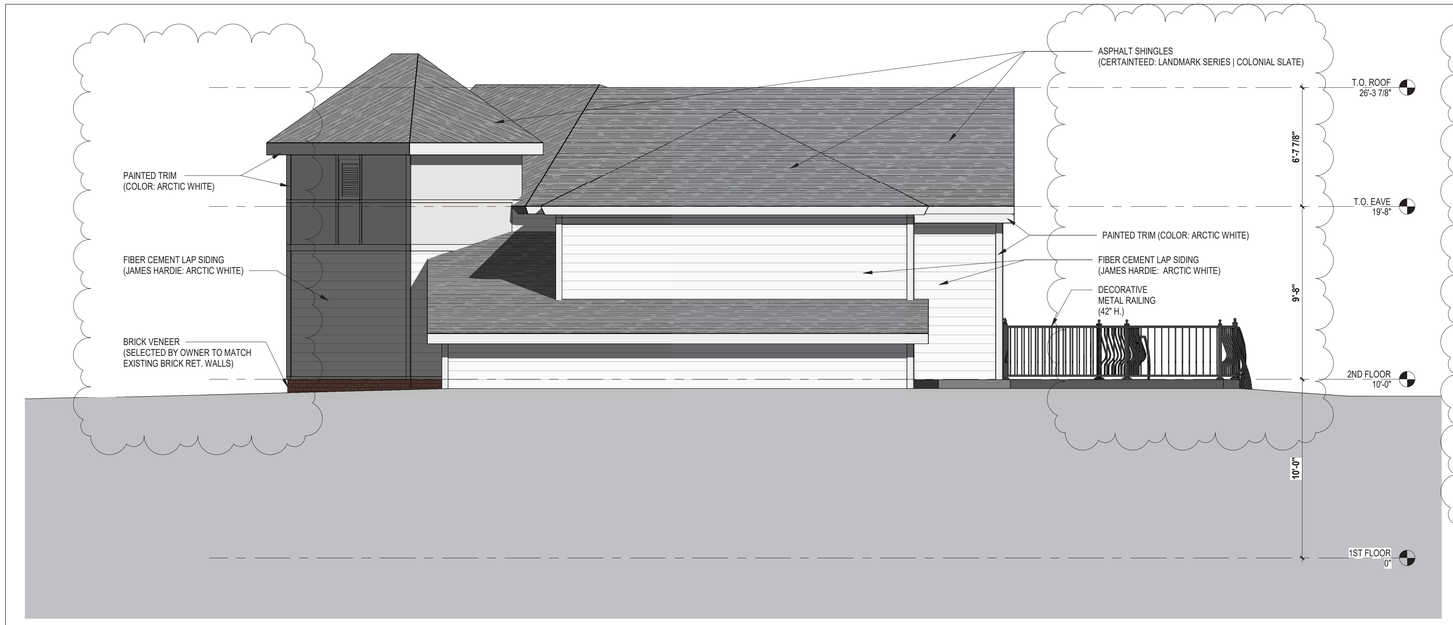
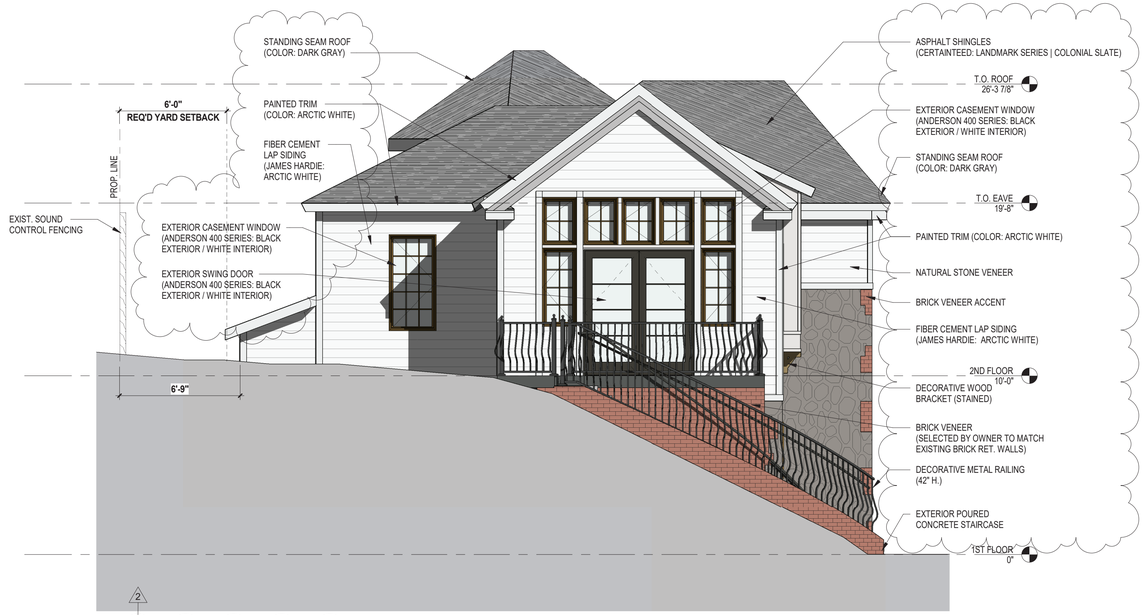


2

4 BUILDING ELEVATION - NORTH
1/4" = 1'-0"

2

3 BUILDING ELEVATION - EAST
1/4" = 1'-0"



2

2 BUILDING ELEVATION - WEST
1/4" = 1'-0"

2

1 BUILDING ELEVATION - SOUTH
1/4" = 1'-0"

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33 Arlington Avenue, 2nd Floor, Poughkeepsie, NY 12603 | 845.473.0200 | view our work at tinkarch.com

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CLIENT NAME:
POUGHKEEPSIE WATERFRONT DEVELOPMENT, LLC
176 RINALDI BLVD.
POUGHKEEPSIE, NY 12601

PROJECT NAME:
GRANDVIEW WEDDING COTTAGE

176 RINALDI BLVD.
POUGHKEEPSIE, NY 12601

REGISTERED ARCHITECT
STEVEN TINKELMAN
16528
STATE OF NEW YORK

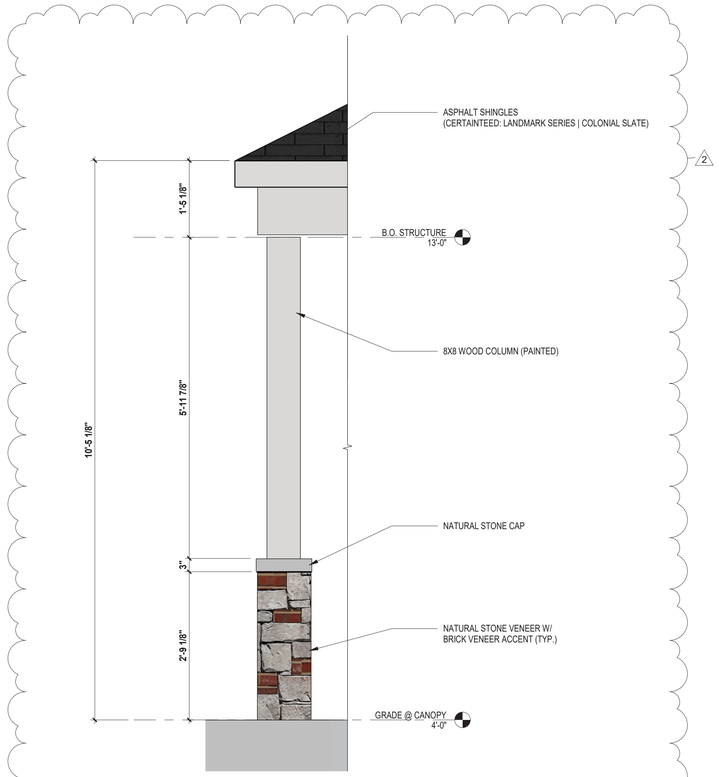
NO.	SUBMISSION DESCRIPTION	DATE
2	PLANNING BOARD COMMENTS	2022.08.23
1	PLANNING BOARD SUBMISSION	2022.07.26

EXTERIOR ELEVATIONS

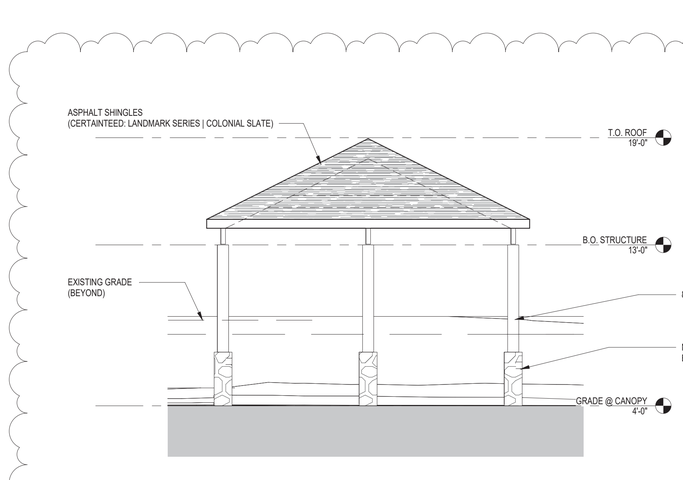
Date: 2022.08.23
Proj. No: Y2211.10
Drawn By: JL

PZ-03

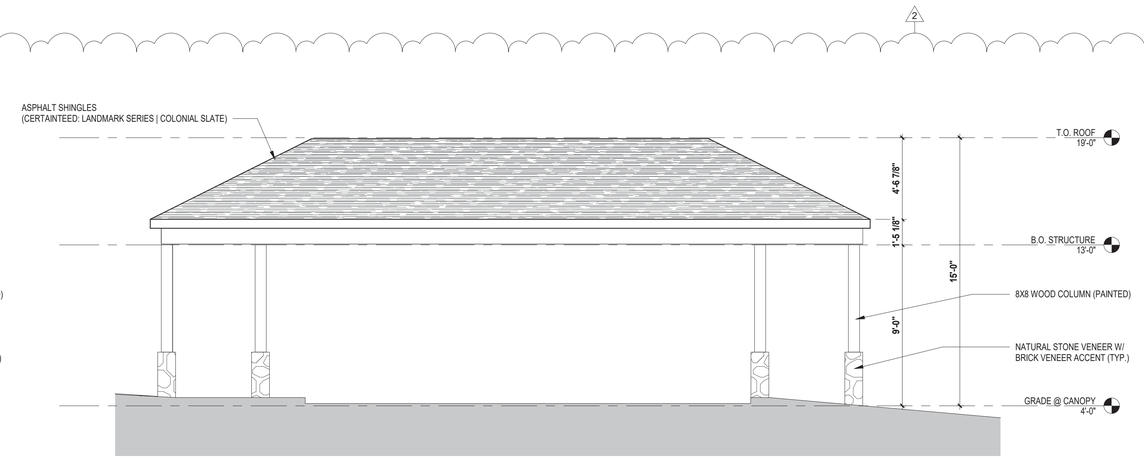
8/24/2022 8:13:19 AM



3 CANOPY DETAIL ELEVATION
3/4" = 1'-0"



2 CANOPY ELEVATION - NORTH
1/4" = 1'-0"



1 CANOPY ELEVATION - WEST
1/4" = 1'-0"

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CLIENT NAME:
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176 RINALDI BLVD.
POUGHKEEPSIE, NY 12601

PROJECT NAME:
GRANDVIEW WEDDING COTTAGE

176 RINALDI BLVD.
POUGHKEEPSIE, NY 12601

REGISTERED ARCHITECT BRENDA TINKELMAN 16528 STATE OF NEW YORK

NO.	SUBMISSION DESCRIPTION	DATE
2	PLANNING BOARD COMMENTS	2022.08.23

EXTERIOR ELEVATIONS

Date: 2022.08.23
Proj. No: Y2211.10
Drawn By: JL

PZ-03a

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2

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CLIENT NAME:
POUGHKEEPSIE WATERFRONT DEVELOPMENT, LLC
176 RINALDI BLVD.
POUGHKEEPSIE, NY 12601

PROJECT NAME:
GRANDVIEW WEDDING COTTAGE

176 RINALDI BLVD.
POUGHKEEPSIE, NY 12601

REGISTERED ARCHITECT JEFFREY TINKELMAN 16526 STATE OF NEW YORK

NO.	SUBMISSION DESCRIPTION	DATE
2	PLANNING BOARD COMMENTS	2022.08.23
1	PLANNING BOARD SUBMISSION	2022.07.26

RENDERINGS

Date: 2022.08.23
Proj. No: Y2211.10
Drawn By: JL

PZ-04

8/24/2022 8:14:13 AM

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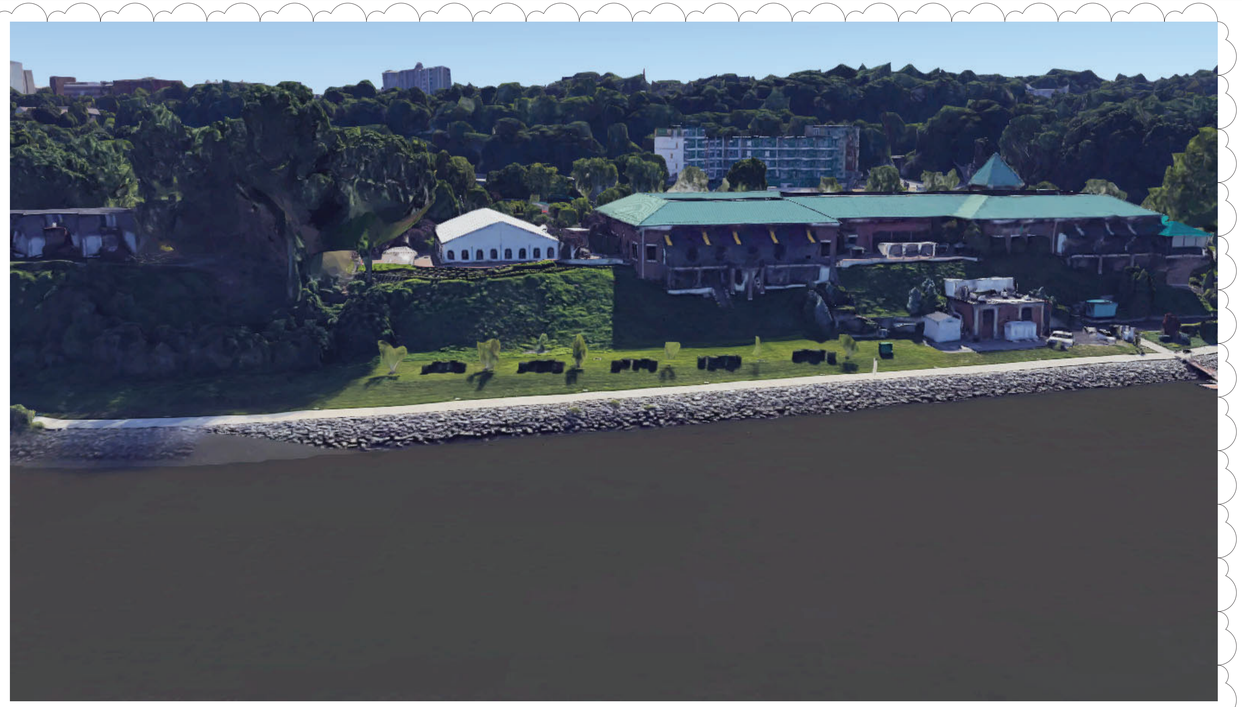

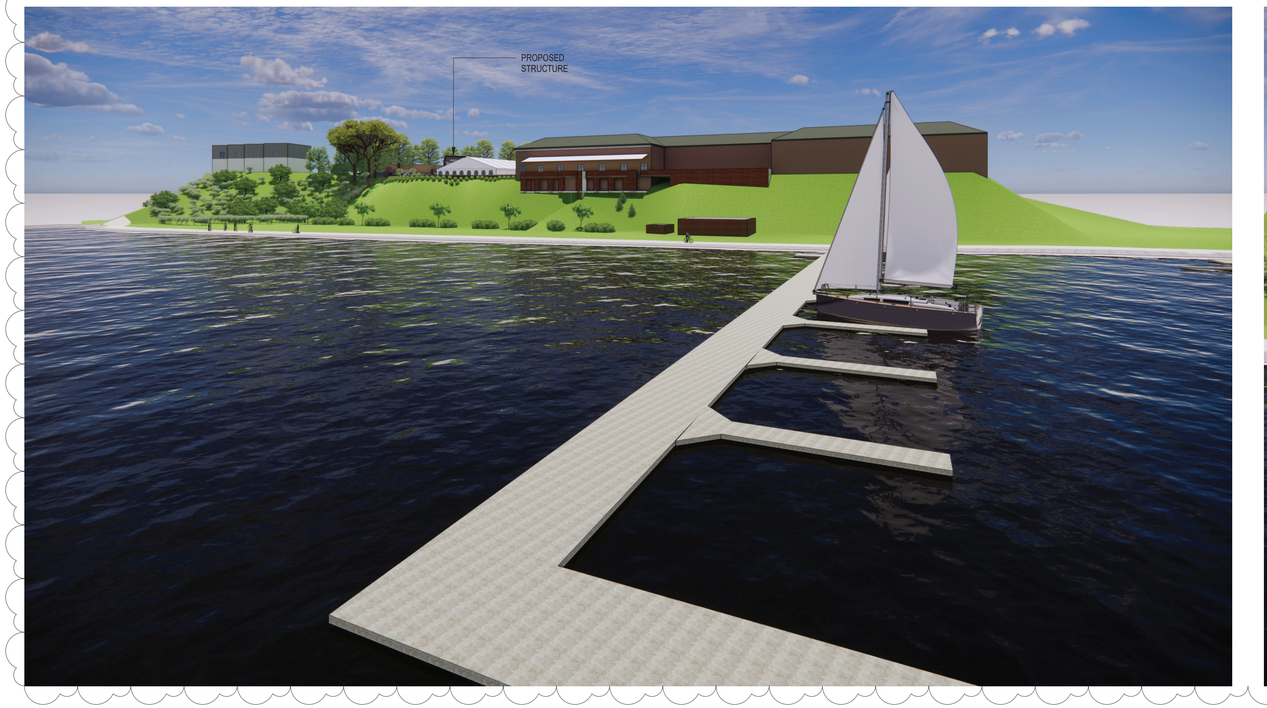

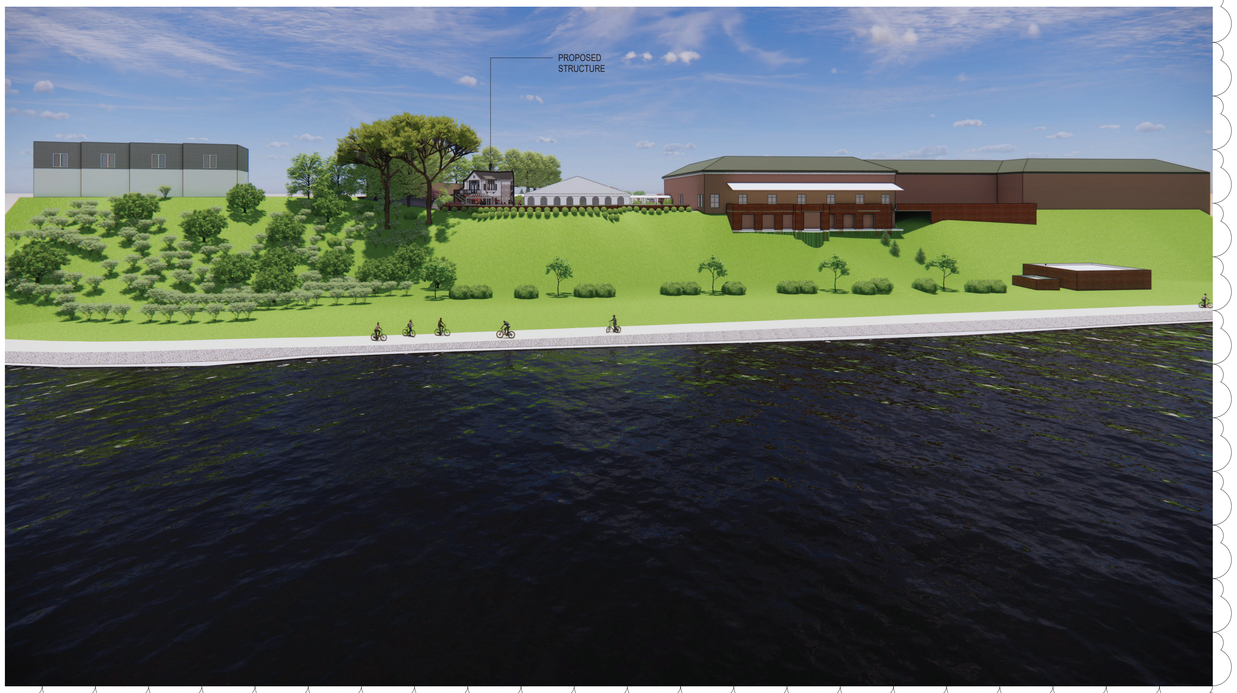

2

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CLIENT NAME:

POUGHKEEPSIE WATERFRONT DEVELOPMENT, LLC
176 RINALDI BLVD.
POUGHKEEPSIE, NY 12601

PROJECT NAME:

GRANDVIEW WEDDING COTTAGE

176 RINALDI BLVD.
POUGHKEEPSIE, NY 12601

REGISTERED ARCHITECT BRIEN TINKELMAN 16526 STATE OF NEW YORK

NO.	SUBMISSION DESCRIPTION	DATE
2	PLANNING BOARD COMMENTS	2022.08.23

RENDERINGS

Date: 2022.08.23
Proj. No: Y2211.10
Drawn By: JL

PZ-05

8/24/2022 8:14:44 AM

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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:

Grandview Wedding Cottage

Project Location (describe, and attach a location map):

176 Rinaldi Blvd, Poughkeepsie NY 12601

Brief Description of Proposed Action:

The applicant is submitting plans to construct an accessory structure on the parcel located at 176 Rinaldi Blvd, in order to compliment the Poughkeepsie Waterfront Development LLCs restaurant / outdoor wedding facility at The Grandview. This proposal will not increase any of the existing business plans for additional guests, but to better serve the outdoor wedding facility by providing toileting facilities, dedicated bridal suite, and furniture storage.

Additionally, a proposed free-standing portico is planned to serve the guests of the restaurant / outdoor wedding facility to allow better site circulation and stagger arrival / pick ups.

All existing utilities including electrical service, water service, sanitary sewer, and stormwater collection are to be connected to existing service connections within the restaurant building and tied into the new structure as part of this application.

Name of Applicant or Sponsor:	Telephone: 845.486.4700
Poughkeepsie Waterfront Development LLC / Joseph Bonura Jr. (contact)	E-Mail: jab@bonurahospitality.com

Address:

176 Rinaldi Blvd.

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 Planing Board- Plan Approval; City of Poughkeepsie Water & Sewer- Approval for utility connections	☐	☑

3. a. Total acreage of the site of the proposed action? 5.47 acres
   b. Total acreage to be physically disturbed? 0.16 acres
   c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? 5.47 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:		
The stormwater from the proposed structure will be tied into the existing stormwater system for the overall project site.		
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: Poughkeepsie Waterfront Development LLC / Joseph Bonura Jr Date: 8/23/2022

Signature: Joseph A Bonura Jr Title: Owner

PRINT FORM

THE CITY OF POUGHKEEPSIE

DEPARTMENT OF PUBLIC WORKS & ENGINEERING

SITE PLAN REVIEW
Form #1

1. Date: September 13, 2022
2. Name of Site Plan: Wedding Cottage - Grandview
3. Address or Location: 176 Rinaldi Boulevard
4. Owner: Poughkeepsie Waterfront Development LLC
5. Engineer/ Architect: Tinkelman Architecture
6. Yes ☐ No ☐ The site plan as forwarded by the Planning Department is acceptable and will be signed off on with no condition(s).
7. Yes ☐ No ☐ The site plan as forwarded by the Planning Department is acceptable and has been signed off on with no condition(s).
8. Yes ☒ No ☐ The applicant should be notified that the Dept. of Public Works/Engineering requires the following comment(s) be addressed:

ENGINEERING SITE PLAN REVIEW COMMENTS:

1. Provide brief utility report supporting existing water (domestic and fire suppression), storm and sanitary utilities are sufficient for proposed alterations/ configuration. Include discussion that roof leader discharge from proposed Wedding Cottage that is to be captured by existing perimeter drain of tent structure is sufficient. In addition, include discussion on discharge/ attenuation from portico roof leaders.
2. Proposed portico encroaches on active utilities and/or their easement(s). Please relocate portico a minimum of 15 feet from active utilities.
3. Are proposed utility configurations from Grandview to Wedding Cottage for sanitary, water and electrical within remediated brownfield portion of the site? If yes, please contact NYSDEC for comment/ guidance. Follow any active Site Management Plan (SMP) for construction activities for remediated site and place relevant criteria on site plan.
4. Provide an estimate of costs for site work.

Joseph T. Kane,
Assistant Civil Engineer

Note: If #6 or #7 above are checked "yes" there is no need to go on to Form #2.

CITY OF POUGHKEEPSIE POLICE DEPARTMENT

SITE PLAN REVIEW

RECEIVED

SEP 9 2022

DATE: 09/08/2022

PROJECT NAME: 176 Rinaldi Blvd

PROJECT ADDRESS: 176 Rinaldi Blvd

☒ **THE SITE PLAN IS ACCEPTABLE AND WILL BE SIGNED WITH NO CONDITIONS**

☐ **THE SITE PLAN IS UNACCEPTABLE.**

CONDITIONS:

APPROVED BY CHIEF THOMAS PAPE OR AGENT:	**DATE:**
Sgt E #112 **SGT. E. ACKEN #112**	09/08/22

BUILDING DEPARTMENT

CITY OF POUGHKEEPSIE
62 CIVIC CENTER PLAZA, 2ND FLOOR
POUGHKEEPSIE, NY 12601
Phone: (845) 451-4007 Fax: (845) 451-4006

Eric Philipp
Building Inspector

SITE PLAN REVIEW

DATE: 8-31-22

PROJECT ADDRESS: 176 Rinaldi Blvd

PROJECT NAME: Wedding Cottage

OWNER: Joe Bonura

ENGINEER/ARCHITECT: Tinkelman

☑ **The site plan is acceptable and will be signed with no conditions.**

☐ **The site plan cannot be approved as submitted. The following comments must be addressed or conditions satisfied:**

_____

_____

_____

_____

_____

_____

Eric Philipp
Building Inspector