# City of Poughkeepsie
# Planning Board
# Meeting Agenda

Common Council Chambers
Wednesday, May 28, 2025

6:00 PM

## I. ROLL CALL

## II. APPROVAL OF MEETING MINUTES

**1.** Approval of April 22, 2025 Meeting Minutes

## III. ADJOURNED APPLICATION REVIEW / PUBLIC HEARINGS

**1. 121 PARKER AVENUE : SITE PLAN**

**2. '8' SOUTH CLINTON STREET: SITE PLAN**

## IV. EXTENSION REQUESTS

**1. 70 AND 72-78 PROSPECT STREET: EXTENSION REQUEST**
Request for a 1-year extension of the site plan approved on 4/25/24; Owner: Poughkeepsie Landing Corporation; Applicant: Brian K. Dreeland; Consultant: Caesar Engineering, D.P.C.; Grid #6061-51-827327 and 788513; Zoning District: General Industrial (I-2); File #2023-024 and 2023-025

**2. 45 READE PLACE: EXTENSION REQUEST**
Request for a 1-year extension of the site plan approved on 6/25/24; Applicant: Vassar Brothers Medical Center; Consultant: LaBella Associates; Grid #6061-43-843721 (0000, 0001, 0002 and 0004); Zoning

District: Hospital Medical (H-M); File #2024-013

## V. SITE PLANS/SPECIAL PERMITS/SUBDIVISIONS

### 1. 110 SOUTH GRAND AVENUE: SITE PLAN

Application for site plan review relative to the construction of an addition to a church and a renovation of a youth center. Owner/Applicant: Faith Apostolic Ministries Inc; Consultant: Michael R. Berta, AIA Architecture & Planning; Grid #6161-49-620556: 2023-067; Zoning District: Medium Low-Density (R2) District; File #PB2023-067.

### 2. 191 COTTAGE AVENUE : SITE PLAN

Application for site plan review for the construction of a three-story mixed-use building with a brewery on the first floor and eight dwelling units. Owner: Cardinal Assets Twenty Fourteen LLC; Applicant: Jim Sullivan; Consultant: LRC Engineering & Surveying, DPC; Grid #6162-72-452173; Zoning District: MU3; File #PB2025-008

### 3. 175 MANSION STREET: SITE PLAN

Application for site plan review relative to the proposed conversion of an existing single-family dwelling at 175 Mansion Street to a four (4) family dwelling. Owner/applicant: Shane Bartholomew; Consultant: John Sullivan; Grid #6162-71-262207; Zoning District: RNC; File #PB2025-014

### 4. LOT 276969 ‘149’ CANNON STREET : SITE PLAN

Application for site plan review for the construction of a four (4) family residence. Owner/Applicant: 5COPNY LLC; Consultant: KARC Planning Consultants, Inc.; Grid #6161-23-276969; Zoning District: RNC; File #PB2025-019

### 5. Lot #288150 '53' N CLINTON STREET : SITE PLAN

Application for site plan review relative to the construction of a four (4) family dwelling. Owner/Applicant: 4COPNY LLC; Consultant: KARC Planning Consultants, Inc.; Grid #6162-72-288150; Zoning District: RNC; File #PB2025-020

### 6. LOT 069344 '24-26' PARKER AVE : SITE PLAN

Application for site plan review relative to the construction of a six (6) family residential building.
Owner: Parker CPK LLC; Applicant: Siegrist Properties LLC; Consultant: Ciro Interrante Architect; Grid # 616-62-069344; Zoning District: WG; File #PB2025-037

## VI. ADJOURNMENT

**1.** Meeting Adjourned June 24, 2025

# The City of Poughkeepsie
# New York

## Planning Board Meeting Minutes

**Tuesday, April 22, 2025** **6:00 PM** **Common Council Chambers**

## I. ROLL CALL

6 Present, 0 Absent, 1 Excused
Viviana Pena arrived at 6:27 pm
Bryce Holland was excused

Staff
Joanna Longcore, Asst. Corporation Counsel
Tyler Maegerle, City Planner
Lori Garcia, Board Administrative Assistant

## II. APPROVAL OF MEETING MINUTES

**1.** Approval of March 25, 2025 Meeting Minutes

A motion to Approve was made by Member Veltre and seconded by Member Egan.

| Minutes of April 22, 2025 - VOICE VOTE | |
|---|---|
| **Yes/Aye:** | Chair Saylor, Member Andujar-McNeil, Member Petsas, Member Egan, Member Veltre |
| **No/Nay:** | None |
| **Abstain:** | |
| **Absent:** | Member Viviana Pena, Member Holland |
| **Result:** | **Passed** |

## III. ADJOURNED APPLICATION REVIEW / PUBLIC HEARINGS

**1.** 121 PARKER AVENUE: SITE PLAN

## IV. SITE PLANS/SPECIAL PERMITS/SUBDIVISIONS

### 1. 110 SOUTH GRAND AVENUE: SITE PLAN

Application for site plan review relative to the construction of an addition to a church and a renovation of a youth center. Owner/Applicant: Faith Apostolic Ministries Inc; Consultant: Michael R. Berta, AIA Architecture & Planning; Grid #6161-49-620556: 2023-067; Zoning District: Medium Low-Density (R2) District; File #PB2023-067.

Presenting: Micael Berta, Architect

### 2. '8' SOUTH CLINTON STREET: SITE PLAN & SEQRA

An application for the proposed construction of a three-story residential structure on a vacant lot. The new building is proposed to contain 16 dwelling units. The applicant is requesting a parking waiver based on the Little Smith Street municipal parking lot. Owner: South Clinton Equities, LLC; Applicant/Consultant: Jason Lichwick Architecture, PLLC; Grid # 6161-22-239997; Zoning District: PID-B; File #2025-009

Presenting: Jason Lichwick, Architect

A motion to make a Negative Declaration regarding SEQRA was made by Member Andujar-McNeil and seconded by Member Egan.

| Minutes of April 22, 2025 - VOICE VOTE | |
|---|---|
| **Yes/Aye:** | Chair Saylor, Member Petsas, Member Pena, Member Egan, Member Veltre |
| **No/Nay:** | Member Andujar-McNeil |
| **Abstain:** | None |
| **Absent:** | Member Holland |
| **Result:** | **Passed** |

### 3. 102 COLLEGE AVENUE: SITE PLAN & SUBDIVISION

Application for Subdivision and Site Plan Review for the subdivision of the property into two lots of record: one lot will contain the existing, non-conforming three-family dwelling and the other is proposed for future development as a single family dwelling. As a nonconforming use, any alteration requires site plan approval by the Planning Board. The site plan includes improvement to off-street parking and landscaping. Owner/Applicant: John Apa; Consultant: Mazzarelli Architecture & Planning, PC; Grid

#6161-41-602631; Zoning District: RNA; File #: PB2024-031/PB2025-011

Presenting: John Apa, Homeowner/applicant

A motion to Approve was made by Member Andujar-McNeil

| Minutes of April 22, 2025 - VOICE VOTE | |
|---|---|
| **Yes/Aye:** | Chair Saylor, Member Andujar-McNeil, Member Petsas, Member Pena, Member Egan, Member Veltre |
| **No/Nay:** | None |
| **Abstain:** | None |
| **Absent:** | Member Holland |
| **Result:** | **Passed** |

## V. ADJOURNMENT

**1.** Adjourn to May 27, 2025

A motion to Adjourn to May 27, 2025 was made by Member Egan and seconded by Chair Saylor.

| Minutes of April 22, 2025 - VOICE VOTE | |
|---|---|
| **Yes/Aye:** | Chair Saylor, Member Andujar-McNeil, Member Petsas, Member Pena, Member Egan, Member Veltre |
| **No/Nay:** | None |
| **Abstain:** | None |
| **Absent:** | Member Holland |
| **Result:** | **Passed** |

[MIN_SIGNATURES]

Caesar Engineering D.P.C.
30 3rd. St
Troy, NY 12180
845.275.0230
contact@caesarengineering.work
www.caesarengineering.work

To: City of Poughkeepsie Planning Board
62 Civic Center Plaza
Poughkeepsie, NY 12601

From: Nathaniel Gooden, P.E., Project Engineer
on behalf of AC Aggregates, LLC, Project Sponsor

RE: Request for Extension of Site Plan Approval – 70 and 72–78 Prospect Street
Planning Board File Nos.: 2023-024 and 2023-025
Parcel IDs: Grid #6061-51-827527 and #6061-51-788513

April 23, 2025

Dear Members of the Planning Board,

On behalf of AC Aggregates, LLC, we respectfully submit this letter to request an extension of the Planning Board's approval of the aggregate storage and distribution facility located at 70 and 72–78 Prospect Street. As you are aware, the Planning Board granted site plan approval for this project at its April 23, 2024, meeting, which was formalized in a letter dated April 25, 2024, approximately one year ago. The approval applies to the parcels identified as Grid #6061-51-827527 and Grid #6061-51-788513, and is associated with Planning Board File Nos. 2023-024 and 2023-025. Due to ongoing coordination with City departments and final preparations for site mobilization, the project sponsor was unable to obtain building permits within the initial validity period. Accordingly, we hereby request an extension of the site plan approval for a period of one additional year. We appreciate the Planning Board's continued support and respectfully request your favorable consideration of this extension request. Should you require additional information, we remain available to assist and participate as needed. Our firm can be reached via the information provided on the front page of this letter. You can reach the project sponsor via the contact information below:

AC Aggregates, LLC
228 Myers Corners Road
Wappingers Falls, NY 12590
Ph: 845-225-8252
Email: office@ac-agg.com

Thank you for your time and effort.

Nathaniel Gooden, P.E.

April 16, 2025

Ms. Anne Saylor
City of Poughkeepsie Planning Board Chair
62 Civic Center Plaza
3rd Floor
Poughkeepsie, NY 12601

RE: Vassar Brothers Medical Center – ICU Preservation
Tax Map No: 131300-6061-43-843721-000
Town of Poughkeepsie, Dutchess County, New York

Chair Saylor:

Vassar Brothers Medical Center (VBMC) obtained an amended site plan approval on June 25, 2024 to preserve the former ICU, an existing 13,570 square foot Intensive Care Unit (ICU), located at 45 Reade Place on Tax Parcel 131300-6061-43-843721 to accommodate a Post-Operative Recovery Center (PRC). The resolution states the Applicant has to secure a building permit within one year of approval. At this time VBMC is seeking a 6-month extension of their site plan approval to allow additional time for the preparation of the building permit plans and to finalize the review and processing of a modified easement description and agreement sought by the City of Poughkeepsie Engineering and Corporate Counsel.

The Applicant respectfully requests to be on the agenda for the April 22, 2025 Planning Board meeting for consideration. Please advise if this office requires us to be present at the Planning Board meeting. I can be reached at 845-486-1478 or clapine@labellapc.com with any questions.

Sincerely,

Christopher Lapine

Christopher Lapine
Sr. Civil Engineer / Regional Leader
LaBella Associates

cc: Michael Zolnik

# THE CITY OF POUGHKEEPSIE
**PLANNING BOARD**
**62 CIVIC CENTER PLAZA, 2ND FLOOR**
**POUGHKEEPSIE, NY 12601**
**Phone: (845) 451-4623 Fax: (845) 451-4006**


June 26, 2024

Vassar Brothers Medical Center
Attn: Michaell Zolnick
45 Reade Place
Poughkeepsie, NY 12601

**45 READE PLACE: SITE PLAN**
Application for amended site plan review relative to the Vassar Brothers Medical Center Campus. The amended plan calls for re-use of an existing structure originally proposed for demolition, including modification of the water and stormwater infrastructure design and continued use of a connection point to Livingston Street.; Applicant: Vassar Brothers Medical Center; Consultant: LaBella Associates; Grid #6061-43-843721 (0000, 0001, 0002 and 0004); Zoning District: Hospital Medical (H-M); File #2024-013

Please use the attached site plan approval blocks on your final plans. An index outlining each site plan page with revision date must be located on the cover page of the final plans.

Submit four full-size copies of the plans to the Development Department in order to obtain all required City Department Head and final Planning Department signoffs. One set will be retained by the Development Department, one given to the engineering department, one to the building department and a set will be returned to you for your files.

Pursuant to section 19-6.1(k)(3)(a), site plan approval by the Planning Board is valid for a period of one year for purposes of obtaining any necessary building permits. Failure to obtain a permit within the time-period shall cause the approval to become null and void. Upon an application requesting an extension, for good cause, the Planning Board may extend the validity of the approval, one time, for a period not to exceed one year.

Please feel free to contact us if you have any questions in this regard.

Sincerely,

Lori L Garcia

Lori Garcia
Board Administrative Assistant

CC: Chris Lapine, Labella Asscoaites

Rev. 6/26/24

CITY OF POUGHKEEPSIE
CITY CHAMBERLAIN
2024 JUN 27 AM 9:50

# THE CITY OF POUGHKEEPSIE
## PLANNING BOARD
## APPROVAL RESOLUTION
## 45 READE PLACE
## JUNE 25, 2024

| **Present:** | **Excused:** | **Absent:** |
|---|---|---|
| Anne Saylor | Rosaura Andújar- McNeil | |
| Marjorie Smith | Nick DeLuccia | |
| Brian Veltre | | |
| Chris Petsas | | |

WHEREAS, the Planning Board has received application for amended site plan review from Vassar Brothers Medical Center for re-use of an existing structure originally proposed for demolition, including modification of the water and stormwater infrastructure design and continued use of a connection point to Livingston Street., File #2024-013; and,

WHEREAS, the application is considered to be an Type I Action under SEQRA and the Board adopted a Negative Declaration on May 17, 2016; and,

WHEREAS, upon review of the provided SEQRA Technical Memorandum, dated February 28, 2024, the Board as Lead Agency finds that the proposed project does not represent a significant change from the previously approved site plan that was evaluated by the Agency under its prior SEQRA review in 2016 and therefore no further environmental review is required; and,

WHEREAS, the action is more fully detailed on a site plan and elevations prepared by La Bella Associates, dated 2/28/24, and supplemental documentation; 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 re-use of an existing structure originally proposed for demolition, including modification of the water and stormwater infrastructure design and continued use of a connection point to Livingston Street, with the following conditions:

- All engineering comments be satisfied

Motion: Marjorie Smith
Second: Brian Veltre
Carried: 4:0:0

Anne Saylor
Planning Board Chair

6/27/24
Date

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:** 110 S Grand Ave

**II. PROPERTY OWNER:** Faith Apostolic Ministries Inc
**ADDRESS:** _____
110 S. Grand Ave
Poughkeepsie, NY 12603 (state and zip code)

**PHONE NUMBER:** _____ (include area code)

**III. NAME OF APPLICANT:** Faith Apostolic Ministries Inc

**ADDRESS:** 110 S Grand Ave
_____
Poughkeepsie, NY 12603 (state and zip code)

**PHONE NUMBER:** _____ (include area code)

**EMAIL ADDRESS:** _____

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

**IV. CONSULTANT:** Michael R. Berta, AIA Architecture & Planning

**ADDRESS:** 7 Robert Road
_____
Poughkeepsie, NY 12603 (state and zip code)

**PHONE NUMBER:** 845-489-1638 (include area code)

**V. PROPOSED USE or FAÇADE CHANGE** (Summarize proposed use or uses): Phase I Church sanctuary addition, meeting rooms, church offices and related facilities. Phase II Youth center renovation

**VI. ZONING DISTRICT:** R2

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

## PROJECT INFORMATION

New construction: _____(yes)__X__ (no)

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

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

Alteration:__X__ (yes) _____ (no)

Cost of Construction: $__1.5 mil.__

**LOT AND BULK INFORMATION**:

Lot area: __6.39__ (acres) __278,336.39__ (square feet)

Building Footprint: _____ (proposed square feet for new construction)

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

__4,295__ (additional proposed square feet for expansion)

__39,431__ (total building footprint, square feet)

Lot Coverage: __7.1%__ (percentage, building coverage only)

Gross Floor Area: _____ (proposed square feet for new construction)

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

__4,295__ (additional proposed square feet for expansion)

__47,315__ (total gross floor area, square feet)

Building Height: __2__ (stories) __31'-6"__ (feet)

Floor Area Ratio: __0.17__ (ratio of gross floor area divided by lot area)

## VIII. PROJECT PARKING INFORMATION

A) Number of Off-Street Parking Spaces required: __211__

B) Number of Off-Street Parking Spaces provided: __218__

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: _____

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: Place of Worship

B) Number of shifts (if any): _____

C) Number of employees: 5
(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: 760 Sanctuary Seats

F) Number of classrooms (schools): 5

G) Number of rental units (hotels, motels, etc.) N/A

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

I) Days/Hours of Operation: Evenings and weekends

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

_____

_____

_____

_____

_____

**XVII. APPLICANT CERTIFICATION**

I, Michael R Berta, AIA, 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.

_____ August 28, 2023

Signature of Applicant Date

Michael R. Berta. AIA
Architecture & Planning

March 1, 2025

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

Re: 110 S. Grand Avenue
Planning Board Narrative

Chairperson and Members of the Board

Thank you for your time and we look forward to working with the board on the proposed project.

The proposed project consists of a 60' x 40' addition to the existing sanctuary and a mezzanine addition to be able to accommodate 760 parishioners. The existing pool area locker rooms will be renovated into additional restrooms, the baptismal room will be relocated & enlarged, a choir practice room and two classrooms will be added. A café area will be created in the main building lobby.

We have revised the proposed plans as per the last meeting, workshop sessions with staff and with the architectural consultant.

We have eliminated the parking on the north side of the easement and relocated the eliminated spaces throughout the site and will enter into a parking agreement with our neighbor, Temple Beth-El.

We have added an emergency access gate at the Park Ave access, A sidewalk has been added to connect the site to Park Ave for walking traffic. We have updated the landscaping plan to provide a screening from Park Ave.

A lighting plan has been included in the package, all light will have a 3000 kv maximum and be shielded to maintain a maximum .01 ft candles at the property lines. All lighting has been designed to be dark sky compliant.

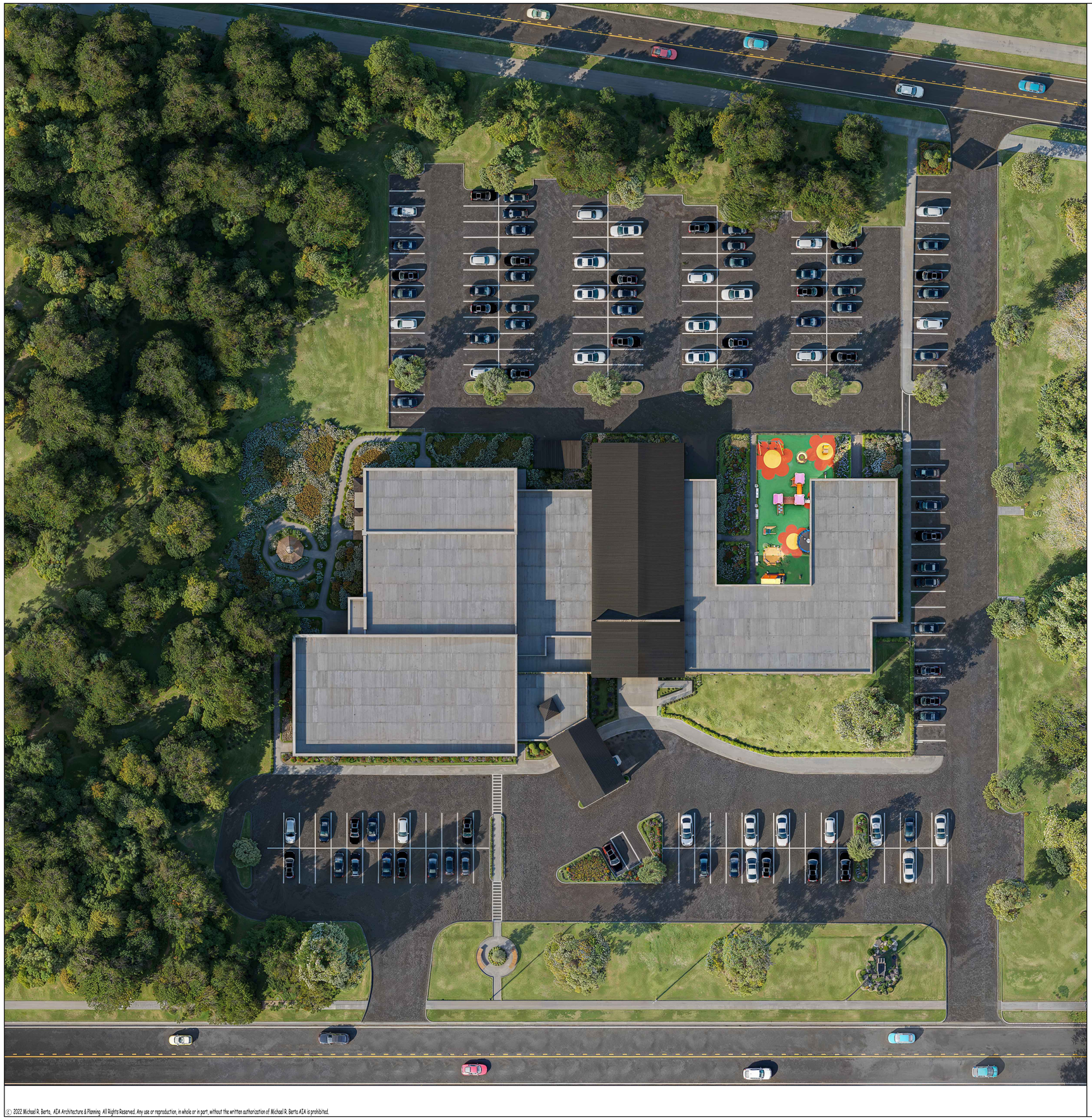
The westside (S Grade Ave) elevation has been updated, the material selections have been revised.

7 Robert Road Poughkeepsie, New York 12603 (845) 489-1638 fax (845) 483-9887
E-Mail mike@bertaarchitects.com Web Site www.bertaarchitects.com

Thank you again for your time and I look forward to working with you on the project with you.

Sincerely Yours.

Michael R. Berta, AIA
Architect



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CLIENT:
Faith Apostolic Ministries Inc
110 South Grand Ave, Poughkeepsie, New York 12601

ARCHITECT:
Michael R. Berta, AIA Architecture & Planning
7 Robert Road Poughkeepsie, New York 12603
mike@bertaarchitects.com
(845) 489-1638

SITE CIVIL ENGINEER:
Berger Engineering and Surveying
100 Fulton Ave, Poughkeepsie, New York 12603
(845) 473-7383

STRUCTURAL ENGINEER:
Clapper Structural Engineering PLLC
160 Partition Street, Saugerties, New York 12477
(845) 247-7483

MEP ENGINEER:
CBK Engineering, PC
129 Clove Branch Road Suite 104 Hopewell Junction. NY 12533
(914) 509 6557

## Drawings Index

| | |
|---|---|
| Cover | Cover Page |
| EX-1 | Existing Survey |
| SP-1 | Site Plan and Details |
| SP-2 | Site Landscaping Plan and Details |
| SP-3 | Garbage Enclosure and Site Details |
| SP-4 | Site Details |
| SP-5 | Site Details |
| LT-1 | Site Lighting Plan and Details |
| Pre-1 | Proposed Front & Side Elevations |
| Pre-2 | Proposed First Floor Plan |
| Pre-3 | Proposed Second Floor Plan |

Michael R. Berta. AIA
Architecture & Planning
7 Robert Road Poughkeepsie, NY 12603
(845) 489-1638
www.bertaarchitects.com - mike@bertaarchitects.com

These plans are not valid for a building permit unless they are properly signed and sealed by the Architect

Do Not Scale Prints

| Date | Revision |
|---|---|
| February 27, 2025 | Misc Revision per Review |

Note:
This set is the property of Michael R. Berta, AIA architecture & Planning the use or reproduction in whole or part without the written authorization of Michael R. Berta is prohibited. Any person or corporation using plans without permission will be responsible for all damages resulting therefrom.

Note:
The General Contractor is to be in the employ, advised by and under the direction of a Licensed Architect. He shall be solely responsible for the means and methods of construction, for safety precautions and programs in connection with the work, and for the acts and omissions of his employees, subcontractors and agents. Nothing contained herein shall create any contractual relationship between the Architect and any subcontractor, sub-subcontractor or their agents or employees. Any duties or responsibilities undertaken by the Architect for the benefit of the Owner or any contractors shall be specifically described herein.

Proposed Site Rendering

Proposed Addition / Alteration For:
Faith Apostolic Ministries Inc
110 South Grand Ave
Poughkeepsie, New York

Date: February 27, 2025
Job No: 2023-001
Scale: None
Drawing: Cover
Of: Eight

## SURVEY NOTES

*1. Copyright Johnson Surveying. All Rights Reserved. Reproduction or copying of this document may be a violation of copyright law unless permission of the author and / or copyright holder is obtained.*

*2. 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.*

*3. Only boundary survey maps with the surveyor's embossed or red inked seal are genuine true and correct copies of the surveyor's original work and opinion. A copy of this document without a proper application of the surveyor's embossed or red inked seal should be assumed to be an unauthorized copy.*

*4. Certifications on this boundary survey map signify that the map was prepared in accordance with the current existing Code of Practice for Land Surveys adopted by the New York State Association of Professional Land Surveyors, Inc. The certification is limited to persons for whom the boundary survey map is prepared, to the title company, to the governmental agency, and to the lending institution listed on this boundary survey map.*

*5. The certifications herein are not transferable.*

*6. The location of underground improvements or encroachments are not always known and often must be estimated. If any underground improvements or encroachments exist or are shown, the improvements or encroachments are not covered by this certificate.*

*7. Subject to the findings of a current title search.*

*8. Subject to covenants, easements, restrictions, conditions and agreements of record.*

*9. Subject to any right, title or interest the public may have for highway use.*

*10. Bearings and North shown hereon are referenced to NAD 83-NY East using NYSNET RTN GPS.*

*11. Contour Interval is 1/2 foot. Elevations shown hereon are referenced to NAVD 88 using NYSNET RTN GPS.*

## DEED REFERENCE

*Doc. #02 2020 4591*
*Hudson Valley Community Center, Inc.*
*To*
*Faith Apostolic Ministries, Inc.*
*November 12, 2020*

## TAX PARCEL NUMBER

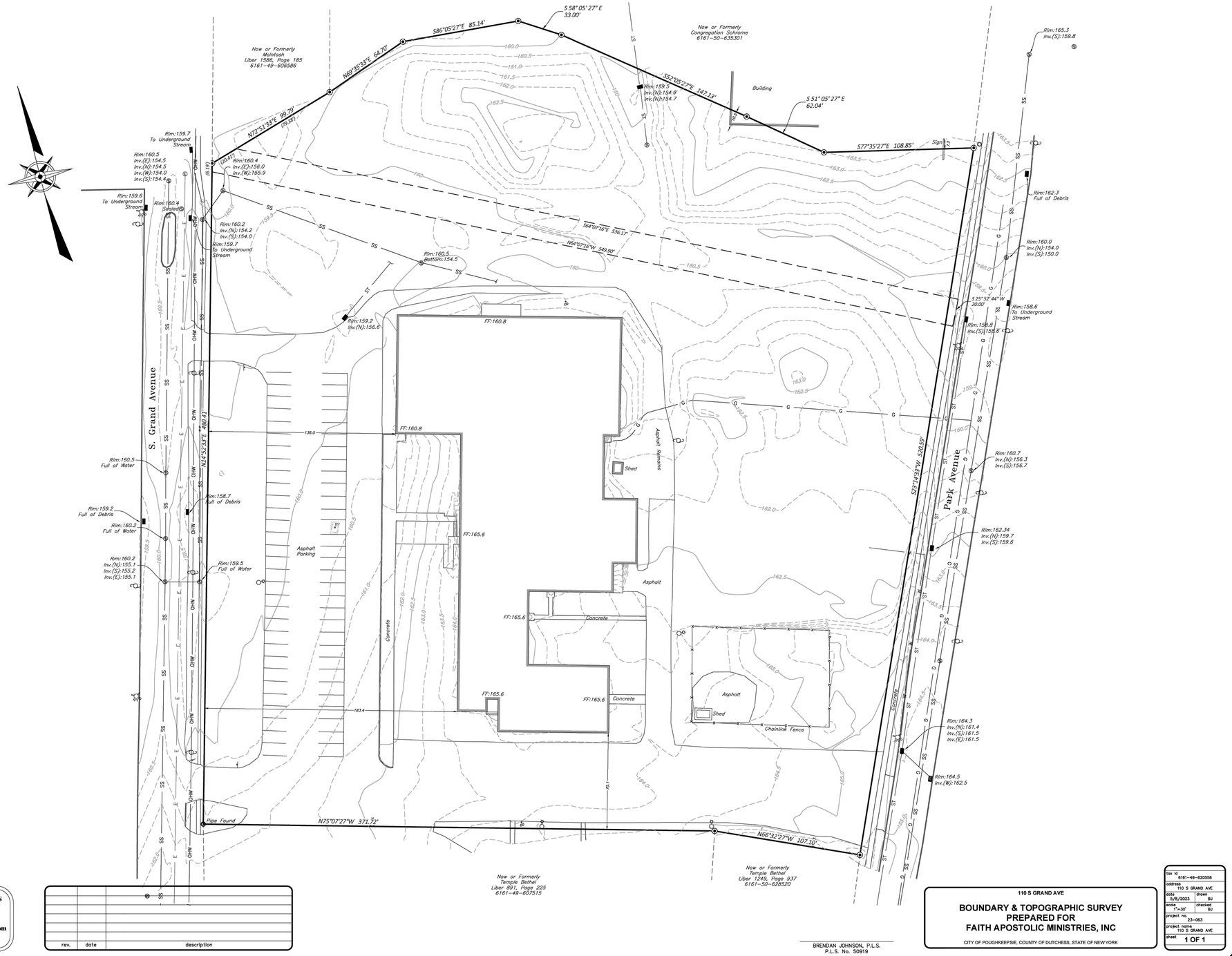
*City of Poughkeepsie, Dutchess County, New York*
*6161-49-620556*

## AREA

*278,334 Square Feet*
*6.390 Acres*

## DATE OF SURVEY

*Field Completion: May 4, 2023*





**JOHNSON SURVEYING**

**BRENDAN JOHNSON, PLS**
**10 Meadow Lane**
**Pleasant Valley, NY 12569**
**Phone No. (845) 380-0528**
**johnsonboundaries@gmail.com**



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| rev. | date | description |
|---|---|---|
| | | |

110 S GRAND AVE

**BOUNDARY & TOPOGRAPHIC SURVEY PREPARED FOR FAITH APOSTOLIC MINISTRIES, INC**

CITY OF POUGHKEEPSIE, COUNTY OF DUTCHESS, STATE OF NEW YORK

BRENDAN JOHNSON, P.L.S.
P.L.S. No. 50919

| | |
|---|---|
| tax id | 6161-49-620556 |
| address | 110 S GRAND AVE |
| date | 5/8/2023 |
| drawn | BJ |
| scale | 1"=30' |
| checked | BJ |
| project no. | 23-063 |
| project name | 110 S GRAND AVE |
| sheet | 1 OF 1 |


**Michael R. Berta, AIA**
Architecture & Planning
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(845) 489-1638
www.bersarchitects.com mike@bersarchitects.com


REGISTERED ARCHITECT MICHAEL RICHARD BERTA 026-078-1 STATE OF NEW YORK

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| Date | Revision |
|---|---|
| February 27, 2025 | Misc Revision per Review |

Existing Survey

Proposed Addition / Alteration For
Faith Apostolic Ministries Inc
110 South Grand Ave.
Poughkeepsie, New York

Date: October 20, 2024
Job No: 2023-001
Scale: None
Drawing: EX-1
Of

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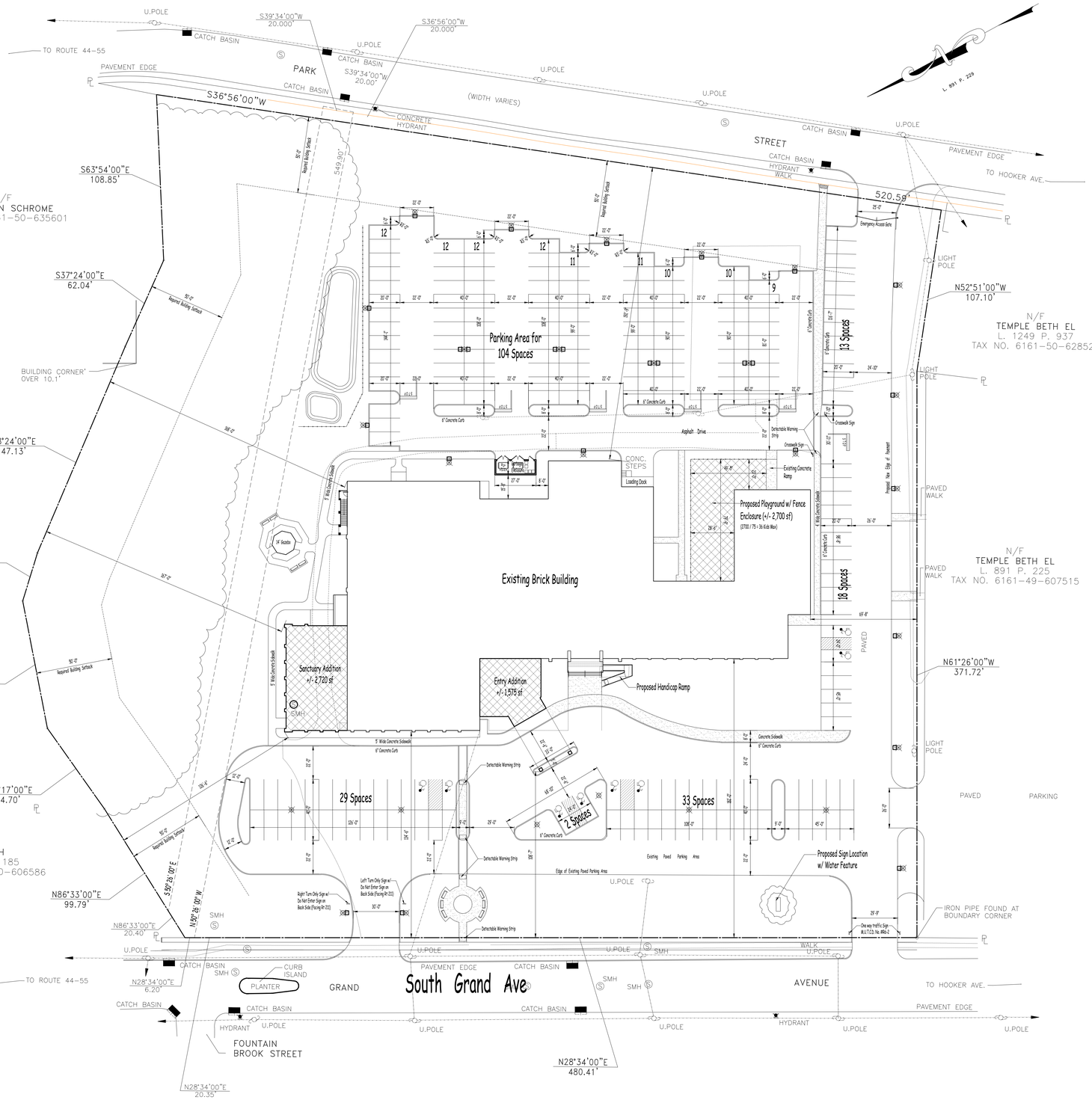
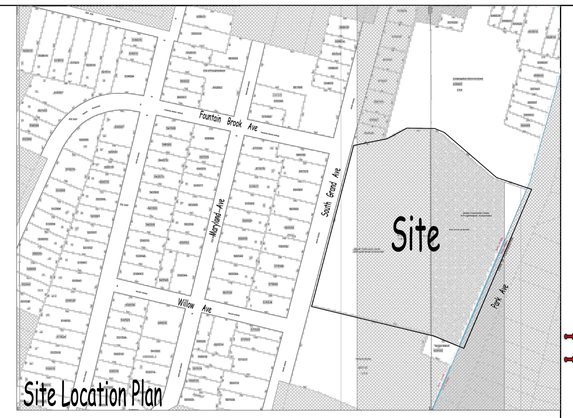



# Site Plan

Scale: 1" = 30'-0"




Site Location Plan

## Site Data

| | | |
|---|---|---|
| Tax Map No | 131300-6161-49-620556-0000 | |
| Zone | R-2 (Medium Low Density Residence) | |
| Use | Mixed Use (Church & Daycare) | |
| | **Required** | **Provided** |
| Lot Area | 10,000 SF | 6.39 ac (278,336.39 sf) |
| **Min Lot Dimensions** | | |
| Frontage | 30' | 287.77' |
| Width | 50' | 287.77' |
| **Setbacks** | | |
| Front | 20' | 108.58' (Adition) |
| Side | 10' | 126.50' (Addition) |
| Side | 10' | 69.90' (Existing) |
| Rear | 15% of Lot Depth = 82.5' (Not Less Than 15') | 194.42' (Existing) |
| Building Hgt (Height / Stories) | 35' / 2 1/2 | 28' / 1 story (Existing) |
| Maximum Lot Coverage | 30 % 278,336.39 sf x .30 = 83,500.90 sf | 22 % Provided 61,235 sf |

Off Street Parking

| | | | | |
|---|---|---|---|---|
| Church | 1 Space per 4 seats | 744 Seats / 4 | = | 186 Spaces |
| Daycare | 1 Space per Staff Member | 16 Staff Members | = | 16 Spaces |
| Classroom | 1 Space per Classroom | 5 Classrooms | = | 5 Spaces |
| | | | = | 207 Spaces Required |

197 Spaces Provided + 11 Banked Spaces = 208 Spaces
(Includes 8 Handicapped Spaces)

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| Date | Revision |
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| February 27, 2025 | Misc Revision per Review |
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Proposed Site Plan

Proposed Addition / Alteration For
Faith Apostolic Ministries Inc
101 South Grand Ave
Poughkeepsie, New York

| | |
|---|---|
| Date | August 28, 2023 |
| Job No | 2023-001 |
| Scale | As Noted |
| Drawing | SP-1 |
| Of | |

City Planning Board
City of Poughkeepsie, New York

**Site Plan Approval**
File No:
Project Name: Proposed Addition / Alteration For Faith Apostolic Ministries Inc
Project Location: 101 S. Grand Ave. Poughkeepsie, New York 12602
Applicant: Faith Apostolic Ministries Inc

**Officially approved** at the planning board meeting held the _____ day of _____, 2_____
Planning Chair:
Designee:
Date Signed:
Coordinator(s):

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

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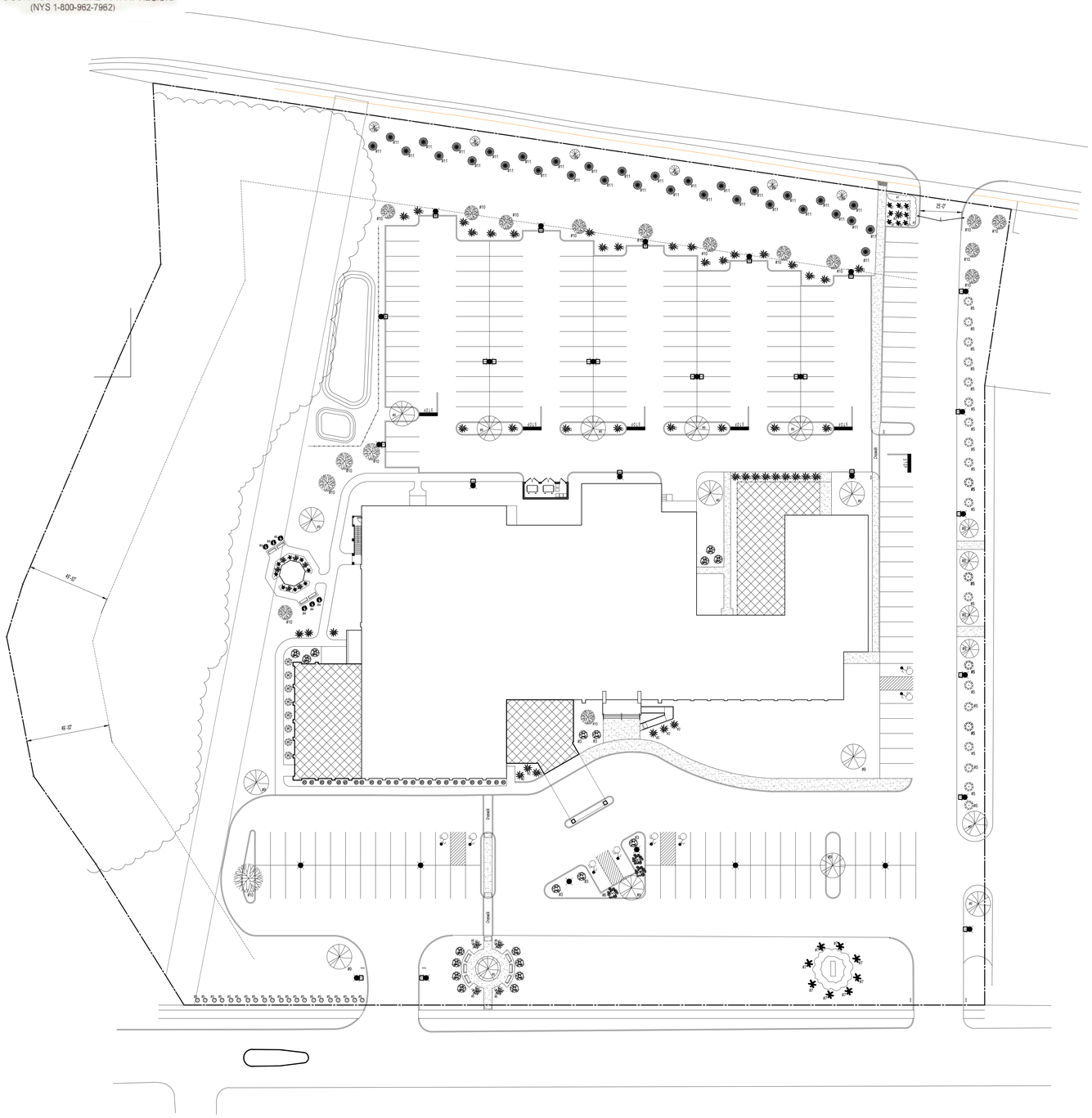
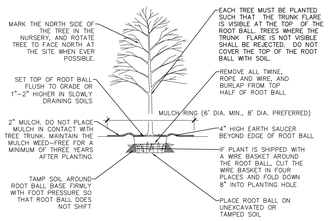
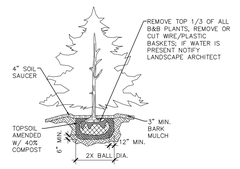


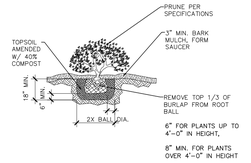

# Landscapping Plan
Scale: 1" = 30'-0"




## Deciduous Planting Detail
Scale: None




## Conifer Planting Detail
Scale: None




## Shrub Planting Detail
Scale: None

## GENERAL LANDSCAPE NOTES

1. THE CONTRACTOR IS CAUTIONED TO VERIFY ALL LAYOUT, GRADES AND OTHER EXISTING FEATURES AND TO CHECK ALL MEASUREMENTS AT THE SITE PRIOR TO ORDERING MATERIALS OR COMMENCING WORK.
2. IF AND WHENEVER PLANT MATERIAL CANNOT BE LOCATED AS INDICATED DUE TO UNDERGROUND UTILITIES OR OTHER SUBSURFACE OBSTRUCTIONS, SUCH LOCATIONS SHALL BE ADJUSTED IN THE FIELD BY THE ARCHITECT.
3. AREAS FOR STOCKPILING MATERIALS, STORING EQUIPMENT AND PARKING EMPLOYEE VEHICLES WILL BE ONLY IN THOSE AREAS AS APPROVED BY THE ARCHITECT OR OWNER.

PLANTING SPECIFICATIONS ALL TREE PITS, SHRUBS PITS AND GROUND COVER AREAS SHALL BE EXCAVATED AS FOLLOWS:
a. TREE PITS SHALL BE TWO (2) TIMES AS WIDE AS THE BALL. TREE PITS SHALL BE SIX (6) INCHES DEEPER THAN THE DEPTH OF THE BALL
b. FOR SHRUBS THE PIT SHALL BE TWO (2) TIMES THE WIDTH OF THE BALL OR SPREAD OF THE ROOTS AND SIX (6) INCHES DEEPER THAN THE DEPTH OF THE BALL OR ROOTS.
c. FOR GROUND COVER AREAS THE EXCAVATION SHALL BE SIX (6) INCHES DEEP.
d. ALL TREES AND SHRUBS SHALL BE PLANTED TWO (2) INCHES HIGHER THAN THE ORIGINAL GROWING DEPTH.
e. ALL EXCESS EXCAVATION SHALL BE REMOVED FROM THE SITE OR DISPOSED OF AS DIRECTED BY THE LANDSCAPE ARCHITECT.

TOPSOIL FURNISHED AND PLACED ALL MATERIAL SHALL BE NATURAL LOAM TOPSOIL, FREE FROM SUBSOIL, SOD, STONES OVER TWO (2) INCHES IN GREATEST DIMENSION AND ANY OTHER UNDESIRABLE MATERIAL. TOPSOIL SHALL CONTAIN NOT LESS THAN FIVE (5) PERCENT ORGANIC MATTER AND SHALL HAVE A PH OF BETWEEN 5.5 AND 7.0. TOPSOIL SHALL BE FRIABLE WITH A LOW CLAY CONTENT.

TOPSOIL SHALL BE PLACED AS FOLLOWS: BACKFILL FOR ALL TREE PITS, SHRUB PITS AND GROUND COVER AREAS AND SHALL BE COMPACTED TO FILL THE EXCAVATION AS DESCRIBED ABOVE. HUMUS SHALL BE INCORPORATED WITH TOPSOIL AS FOLLOWS:

HUMUS HUMUS SHALL BE REED PEAT, SEDGE PEAT OR NATURAL HUMUS. IT SHALL BE FREE FROM HARD LUMPS, STICKS, STONES AND OTHER UNDESIRABLE MATERIAL. THE ACIDITY RANGE SHALL BE 5.5 PH TO 7.0 PH AND THE ORGANIC CONTENT SHALL NOT BE LESS THAN 85 % AS DETERMINED BY LOSS ON IGNITION. HUMUS SHALL BE INCORPORATED AS FOLLOWS:
a. BACKFILL OF TREE AND SHRUB PITS AT ONE (1) PART HUMUS TO FOUR (4) PARTS TOPSOIL
b. IN GROUND COVER BEDS SPREAD THREE (3) INCHES THICK AND INCORPORATED INTO UPPER SIX (6) INCHES OF SOIL.

IRRIGATION DESIGN / BUILD

MULCH MULCH SHALL BE SHREDDED BARK FREE OF LARGE PEELINGS, INORGANIC DEBRIS, STONES, LOGS OR ANY MATERIAL WHICH AFFECTS ITS APPEARANCE OR FUNCTION. A SAMPLE SHALL BE SUBMITTED TO ABACA, FOR APPROVAL PRIOR TO DELIVERY TO THE SITE. MUCH SHALL BE SPREAD IN ALL BEDS THREE (3) INCHES IN DEPTH. A COMMERCIAL FERTILIZER WITH A 10 - 6 - 4 RATIO SHALL BE SPREAD ON SOIL AT THE RATE OF 10 POUNDS PER 1000 SQ. FEET PRIOR TO SPREADING OF MULCH. GROUND COVER AREAS SHALL BE MULCHED WITH 1" - 1 1/2" OF SHREDDED BARK.

PLANT MATERIAL AND PLANTING PLANT MATERIALS SHALL BE AS DESCRIBED IN THE PLANT SCHEDULE. ABACA, RESERVES THE RIGHT TO INSPECT ALL PLANT MATERIAL BEFORE DELIVERY. LOCATION OF ALL TREES AND SHRUBS SHALL BE STAKED BY THE CONTRACTOR AND APPROVED BY ABACA, PRIOR TO PLANTING. CALIPER OF TREES SHALL BE MEASURED SIX (6) INCHES ABOVE GROUND. BALL SIZES FOR PLANT MATERIAL SHALL CONFORM TO THE STANDARDS OF THE AMERICAN ASSOCIATION OF NURSERYMAN.

STAKING AND GUYING IMMEDIATELY AFTER PLANTING ALL TREES OVER 10' IN HEIGHT, SHALL BE EITHER STAKED OR GUYED AS APPROVED BY ABACA.

WATERING ALL PLANT MATERIAL SHALL BE THOROUGHLY WATERED DURING PLANTING AND AS MANY TIMES AS NEEDED UNTIL THE FORMAL ACCEPTANCE OF THE PROJECT BY THE OWNER.

SPECIAL NOTES
1. AREAS SCHEDULED FOR TREE, SHRUB, PERENNIAL OR GROUND COVER BEDS, AND WHICH ARE PRESENTLY IN TURF, SHALL BE SPRAYED WITH A 2 1/2 % SOLUTION OF "ROUND-UP" BY MONSANTO, TEN (10) DAYS PRIOR TO PLANTING.
2. ALL LEUCOTHOE SPECIES SHALL BE SPRAYED WITH A SOLUTION OF "BENOMYL" FUNGICIDE WITHIN FIVE (5) DAYS AFTER PLANTING AND AGAIN AFTER A TEN (10) DAY PERIOD. THE LANDSCAPE ARCHITECT SHALL WITNESS BOTH THESE PROCEDURES.
3. ALL EVERGREEN TREES AND SHRUBS SHALL BE SPRAYED WITH AN ANTI-TRANSPIRANT SUCH AS "WILT-PRUF" OR "ED'NYH" THE FIRST DECEMBER AFTER PLANTING, AND AGAIN DURING A TIME IN FEBRUARY WHEN TEMPERATURES ARE 40 DEGREES OR HIGHER.
4. ALL PLANTING BEDS, SHRUB BEDS, GROUND COVER BEDS AND TREE PITS SHALL BE TREATED WITH A PRE-EMERGENT HERBICIDE SUCH AS "TREFLAN" OR "SURFLAN" OR AN APPROVED EQUAL, PRIOR TO SPREADING OF MULCH AND AS DIRECTED BY THE ARCHITECT.
5. ALL BETULA SPECIES SHALL BE SPRAYED WITH A SOLUTION OF "LINDANE" THE FIRST MAY AFTER PLANTING.

GUARANTEE AND REPLACEMENT THE CONTRACTOR SHALL GUARANTEE AND REPLACE ALL PLANT MATERIAL PLANTED BY HIM FOR ONE (1) YEAR. THE ONE (1) YEAR PERIOD SHALL COMMENCE AT THE TIME ALL MATERIAL IS PLANTED AND FORMALLY ACCEPTED BY THE ARCHITECT. THE CONTRACTOR SHALL REPLACE IN ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS ANY TREES, SHRUBS, PERENNIALS AND GROUND COVER PLANTS THAT ARE DEAD OR, IN THE OPINION OF THE ARCHITECT, ARE UNHEALTHY OR UNSIGHTLY CONDITION

CLEAN-UP THE CONTRACTOR SHALL "CLEAN-UP" AND REMOVE FROM THE SITE ALL RUBBISH, DEBRIS AND SURPLUS MATERIAL AS FAST AS IT ACCUMULATES AND SHALL NOT PERMIT IT TO BE SCATTERED ABOUT THE SITE.

## PLANTING SCHEDULE

| NUMBER | SYMBOL | BOTANICAL/COMMON NAME | QUANTITY | SIZE | REMARKS |
|---|---|---|---|---|---|
| #1 | | GREEN VELVET BOXWOOD (BUXUS GREEN VELVET) | | 2 GALLON CONTAINER | 24" SPACING AS SHOWN |
| #2 | | HETZ MIDGET ARBORVITAE (THUJA OCCIDENTALLIS HETZ MIDGET) | | 4 GALLON CONTAINER | 30" SPACING AS SHOWN |
| #3 | | Blueberry Pie Butterfly Bush (Buddleia x 'PODARASNGA) | | 4 GALLON CONTAINER | |
| #4 | | BLOOMERANG PURPLE REBLOOMING LILAC SHRUB (SYRINGA 'SMSJBP7') | | 4 GALLON CONTAINER | 30" SPACING AS SHOWN |
| #5 | | AMERICAN BOXWOOD SHRUB (BUXUS SEMPERVIRENS) | | 4 GALLON CONTAINER | 24" SPACING AS SHOWN |
| #6 | | PARDON ME DAYLILLY (HEMEROCALLIS 'PARDON ME') | | VARIES | MIX DIFFERENT COLORS |
| #7 | | AVALANCHE FEATHER REED GRASS | | SPECIMEN | |
| #8 | | BLACK & RED CHOKEBERRY (ARONIA MELANOCARPA; A. ARBUTIFOLIA) | | 30" TALL | 5'-0" SPACING |
| #9 | | EASTERN REDBUD (CERCIS CANADENSIS) | | 5'-6" TALL | 4 INCH CALIPER |
| #10 | | WESTERN CEDAR (Thuja Plicata "Green Giant") | | 6' TALL | 4 INCH CALIPER |
| #11 | | White Pines & Colorado Blue Spruce Mix | | 6' TALL - 20' - 25' SPACING | 4 INCH CALIPER |

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| Date | Revision |
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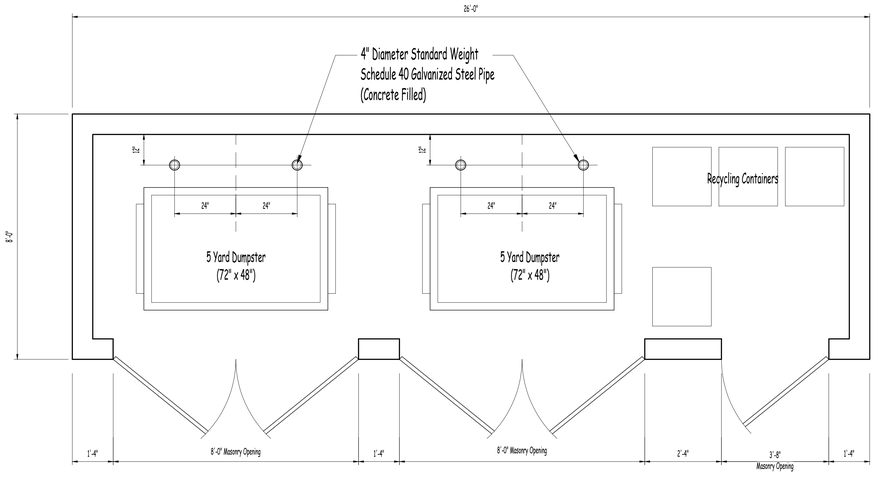
| February 27, 2025 | Misc Revision per Review |
| August 28, 2024 | Misc Revision per Review |
| July 17, 2024 | Misc Revision per Review |
| May 22, 2024 | Misc Revision per Review |
| April 23, 2024 | Misc Revision per Review |

Note:
Do not construct the tree for any purpose while using copies from a blueprint. Do not construct the tree for any purpose while using copies from a blueprint. Do not construct the tree for any purpose while using copies from a blueprint.

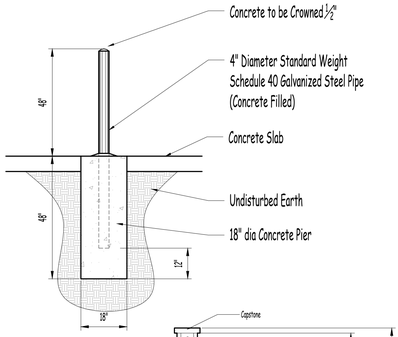


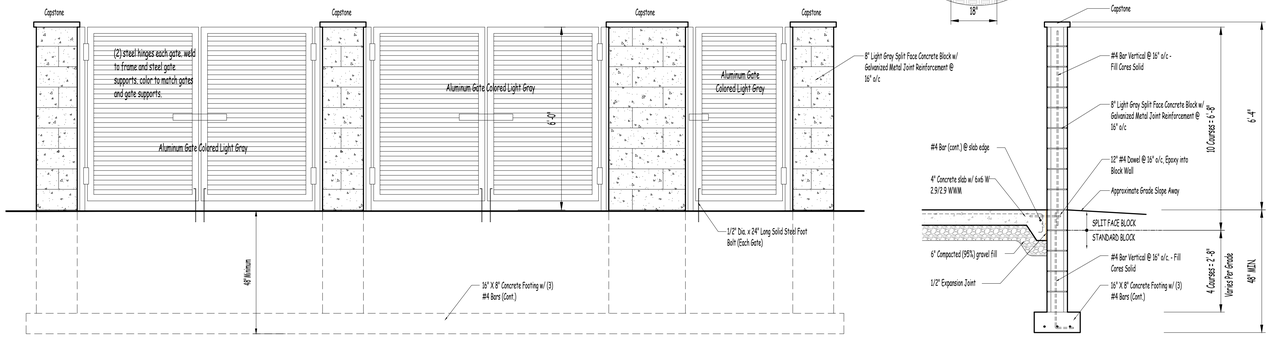

DUMPSTER NOTES:

1. CHECK WITH REFUSE HAULER PRIOR TO INSTALLATION OF REFUSE ENCLOSURE FOR FINAL DIMENSIONS OF PROPOSED DUMPSTER AND INTERIOR DIMENSIONS OF ENCLOSURE
2. CONTRACTOR TO SUPPLY SHOP DRAWING OF GATE CONSTRUCTION.

ACCESSIBILITY NOTES:

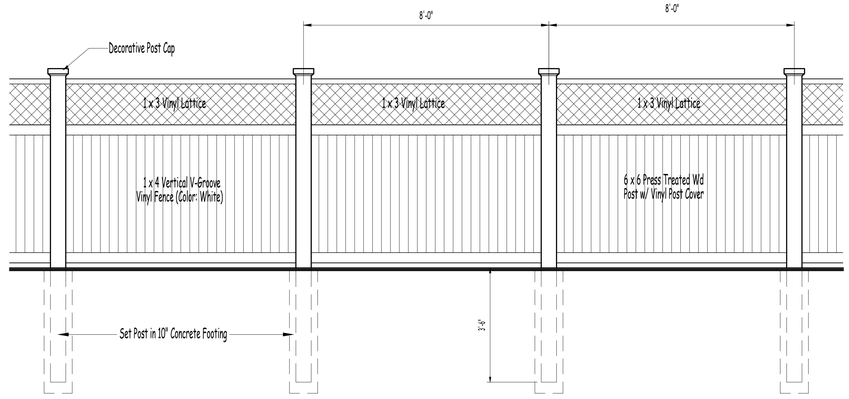
1. VERTICAL CHANGE IN LEVEL BETWEEN FINISHED GRADE OF CONCRETE PAD FOR DUMPSTER ENCLOSURE AND ADJACENT PAVEMENT AT GATE OPENINGS SHALL NOT EXCEED 1/4". 1/4" TO 1/2" VERTICAL CHANGE SHALL BE BEVELED WITH A SLOPE NOT STEEPER THAN 2H:1V
2. GATES DESIGNATED FOR ACCESSIBLE ENTRY INTO DUMPSTER ENCLOSURE SHALL BE MAINTAINED TO BE RELATIVELY FREE SWINGING AND EASY TO OPEN AND CLOSE.
3. SHOULD INDIVIDUAL GATE BE DESIGNATED ACCESSIBLE ENTRY, IT SHALL BE LABELED AS SUCH.
4. A 36" MAXIMUM CLEAR DISTANCE SHALL BE MAINTAINED BETWEEN DUMPSTERS AND IN FRONT OF DUMPSTER AS NECESSARY TO PROVIDE ACCESSIBLE ROUTE WITHIN DUMPSTER ENCLOSURE TO SIZE ACCESS DOORS TO DUMPSTERS AND/OR REFUSE CARTS
5. ACCESSIBLE REFUSE CONTAINERS SHALL BE PROVIDED - TRASH CANS, REFUSE CARTS, AND/OR DUMPSTERS WITH ACCESSIBLE SIZE OPENINGS.



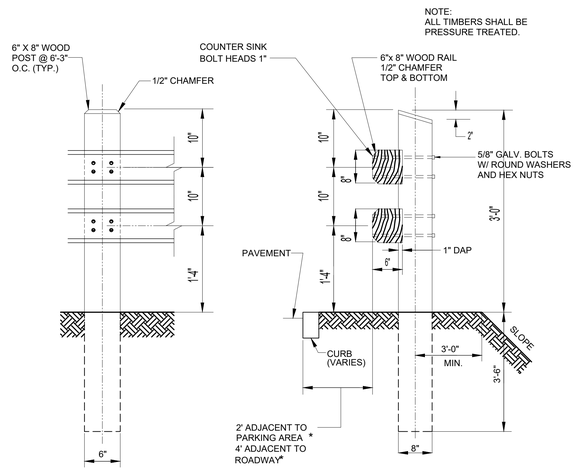

## Refuse Enclosure Detail

Scale: None



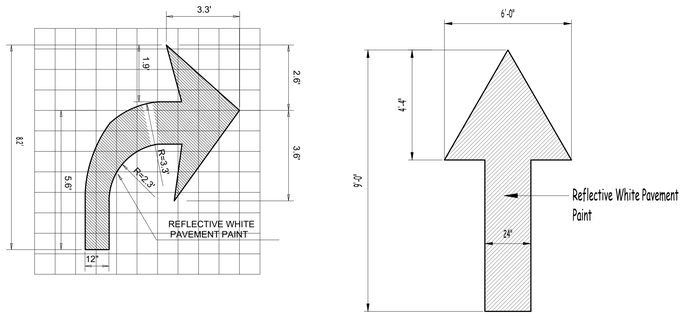

## Vinyl Fence Detail

Scale: None




## Typical Wood Beam Guide Rail Detail

Scale: None

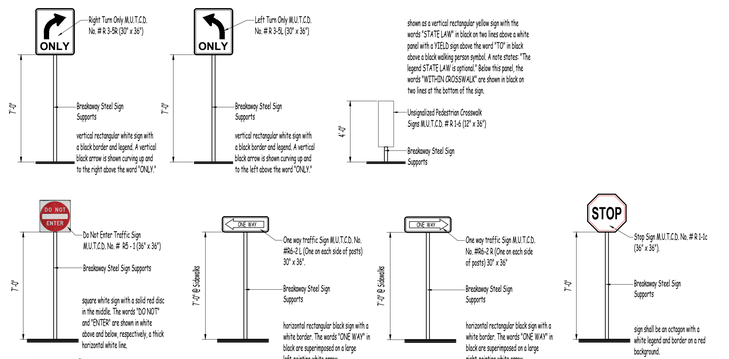






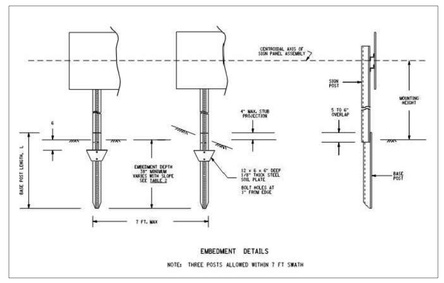
## Parking Lot Arrow Detail

Scale: None




## Typical Site Signs

Scale: None

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Garbage Enclosure & Misc Site Details

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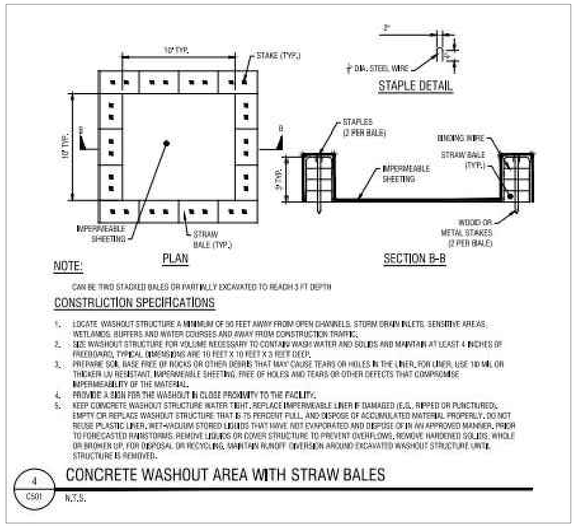



NOTE:

CAN BE TWO STACKED BALES OR PARTIALLY EXCAVATED TO REACH 3 FT DEPTH

## CONSTRUCTION SPECIFICATIONS

1. LOCATE WASHOUT STRUCTURE A MINIMUM OF 50 FEET AWAY FROM OPEN CHANNELS, STORM DRAIN INLETS, SENSITIVE AREAS, WETLANDS, BUFFERS AND WATER COURSES AND AWAY FROM CONSTRUCTION TRAFFIC.
2. SIZE WASHOUT STRUCTURE FOR VOLUME NECESSARY TO CONTAIN WASH WATER AND SOLIDS AND MAINTAIN AT LEAST 4 INCHES OF FREEBOARD. TYPICAL DIMENSIONS ARE 10 FEET X 10 FEET X 3 FEET DEEP.
3. PREPARE SOIL BASE FREE OF ROCKS OR OTHER DEBRIS THAT MAY CAUSE TEARS OR HOLES IN THE LINER. FOR LINER, USE 10 MIL OR THICKER UV RESISTANT, IMPERMEABLE SHEETING, FREE OF HOLES AND TEARS OR OTHER DEFECTS THAT COMPROMISE IMPERMEABILITY OF THE MATERIAL.
4. PROVIDE A SIGN FOR THE WASHOUT IN CLOSE PROXIMITY TO THE FACILITY.
5. KEEP CONCRETE WASHOUT STRUCTURE WATER TIGHT. REPLACE IMPERMEABLE LINER IF DAMAGED (E.G., RIPPED OR PUNCTURED). EMPTY OR REPLACE WASHOUT STRUCTURE THAT IS 75 PERCENT FULL AND DISPOSE OF ACCUMULATED MATERIAL PROPERLY. DO NOT REUSE PLASTIC LINER. WET-VACUUM STORED LIQUIDS THAT HAVE NOT EVAPORATED AND DISPOSE OF IN AN APPROVED MANNER. PRIOR TO FORECASTED RAINSTORMS, REMOVE LIQUIDS OR COVER STRUCTURE TO PREVENT OVERFLOW. REMOVE HARDENED SOLIDS, WHOLE OR BROKEN UP, FOR DISPOSAL OR RECYCLING. MAINTAIN RUNOFF DIVERSION AROUND EXCAVATED WASHOUT STRUCTURE UNTIL STRUCTURE IS REMOVED.

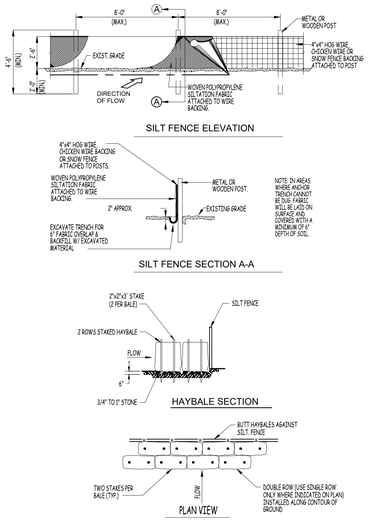
4 / CS01 — CONCRETE WASHOUT AREA WITH STRAW BALES

N.T.S.

Concrete Washout Note:

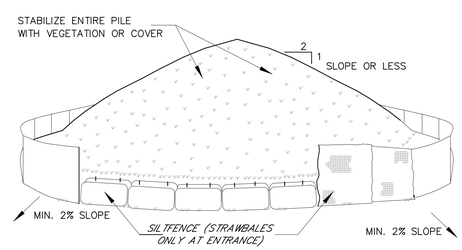
Vinyl Washout Container:
The vinyl washout container is portable, reusable, and easier to install than a hay bale washout pit. The biodegradable filter bag assists in extracting the concrete solids and prolongs the life of the vinyl container. When the bag is lifted, the water is filtered out and the remaining concrete solids and the bag can be disposed of together in a landfill, or the hardened concrete can be delivered to a recycler. After the solids have been removed several times and the container is full of washwater, the washwater can be allowed to evaporate, so the container can be reused. The washwater can be removed more quickly by placing another filter bag in the container and spreading water gelling granules evenly across the In about five minutes, the water in the filter bag will turn into a gel that can be removed with the bag. Then the gel and filter bag can be disposed to together.

Hay Bales:
A washout pit made with hay bales and a plastic lining . Such pits can be dug into the ground or built above The plastic lining should be free of tears or holes that would allow the washwater to escape. After the pit is used to wash down the chutes of multiple ready mixed trucks and the washwater has evaporated or has been vacuumed off, the remaining hardened solids can be broken up and removed from the pit. This process may damage the hay bales and plastic lining. If damage occurs, the pit will need to be repaired and relined with new plastic. When the hardened solids are removed, they may be bound up with the plastic lining and have to be sent to a landfill, rather than recycled. Recyclers usually accept only unmixed material. If the pit is going to be emptied and repaired more than a few times, the hay bales and plastic will be generating additional solid waste. Ready mixed concrete trucks can use hay bale washout pits, but concrete pump trucks have a low hanging hopper in the back that may prevent their being washed out into bale-lined pits.




## Silt Fence / Hay Bale

Scale: None




NOTES:
1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 1:2.
3. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH SILT FENCING, THEN STABILIZED WITH VEGETATION OR COVERED.
4. SEE DETAIL FOR INSTALLATION OF SILT FENCE.

## SOIL STOCKPILING

SCALE: NTS

EROSION CONTROL STRUCTURES

The proposed site will be constructed in sections. During this construction erosion control, construction entrances, dirt fences and mulching will be used as the primary erosion and sediment control devices.

In order for the erosion control structures to work properly they must be installed properly and maintained. Regular inspection and maintenance of erosion control devices is also essential to the efficiency of the entire system. Inspections shall be performed periodically as stated below and shall be performed after any major storms of two years or 2.5 inches in 24 hours or more every 7 days.

**All exposed surfaces shall be seeded and mulched within 48 hours of exposure

INSTALLATION GUIDELINES

The entire project's erosion control structures will work there must be an assurance that the proper mitigation measures are appropriate this is an erosion control must be installed as per the final erosion control plan and in accordance with the Town Engineer. The erosion control shall be installed prior to the start of any site disturbance and maintained in working order and started on the site until the erosion control is in place and accepted.

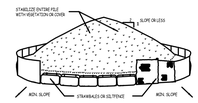
MAINTENANCE PLAN FOR EROSION CONTROL DEVICES

1. Temporary Erosion Control Devices

These structures shall include all erosion control devices that will be installed and utilized during the construction of the site. These shall include devices such as: silt fence, hay bale barriers, diversions swales, silt traps and crushed stone construction entrance.

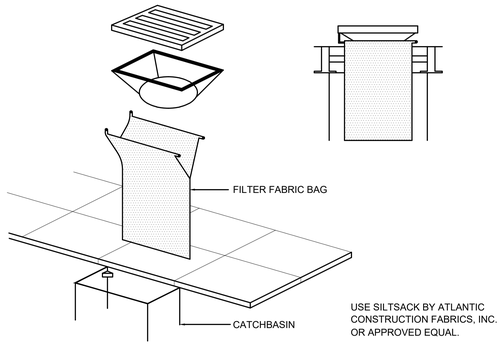
Once the devices are installed and inspected to assure that they are installed properly, the devices must be maintained in order to assure that they will continue to function properly. In order to do so the following list of procedures shall be followed during the construction phase of the project.

a. All erosion control devices shall be inspected at least once a week and after each rainfall of 0.5 inches or more in a 24 hour period.
b. All erosion control devices shall be maintained in good working order.
c. Silt fence shall be inspected for depth of sediment, tears, to see if the fabric is securely attached to the fence post, and to see that the fence posts are firmly in the ground.
d. Diversion swales and dikes will be inspected and any and all breaches repaired.
e. Temporary seeding will be inspected for bare spots, washouts, and healthy growth. If required additional seeding shall be performed.
f. A maintenance report will be prepared after each inspection and kept.
g. All individuals performing the site inspection shall be familiar with the erosion control plan and be trained in all the inspection and maintenance practices required for the operation of the erosion and sediment controls used onsite in good working condition.
h. Inlet protection around catch basins shall be installed as necessary or as directed by the Design Engineer and or the Town Engineer.




INSTALLATION NOTES

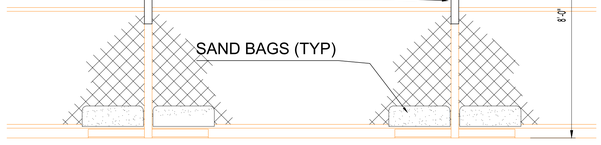
1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 1:2.
3. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH EITHER SILTFENCING OR STRAWBALES, THEN STABILIZED WITH VEGETATION OR COVERED.
4. SEE SPECIFICATIONS FOR INSTALLATION OF SILTFENCE.




USE SILTSACK BY ATLANTIC CONSTRUCTION FABRICS, INC. OR APPROVED EQUAL.

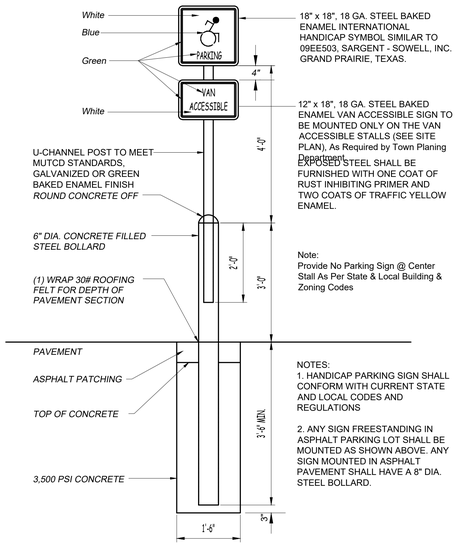
## Typical Filter Bag Detail

Scale: None




## Temporary Fence Detail

Scale: None




18" x 18", 18 GA. STEEL BAKED ENAMEL INTERNATIONAL HANDICAP SYMBOL, SIMILAR TO 09EE503, SARGENT - SOWELL, INC. GRAND PRAIRIE, TEXAS.

12" x 18", 18 GA. STEEL BAKED ENAMEL VAN ACCESSIBLE SIGN TO BE MOUNTED ONLY ON THE VAN ACCESSIBLE STALLS (SEE SITE PLAN), As Required by Town Planing Department.

EXPOSED STEEL SHALL BE FURNISHED WITH ONE COAT OF RUST INHIBITING PRIMER AND TWO COATS OF TRAFFIC YELLOW ENAMEL.

Note:
Provide No Parking Sign @ Center Stall As Per State & Local Building & Zoning Codes

NOTES:
1. HANDICAP PARKING SIGN SHALL CONFORM WITH CURRENT STATE AND LOCAL CODES AND REGULATIONS

2. ANY SIGN FREESTANDING IN ASPHALT PARKING LOT SHALL BE MOUNTED AS SHOWN ABOVE. ANY SIGN MOUNTED IN ASPHALT PAVEMENT SHALL HAVE A 8" DIA. STEEL BOLLARD.

## Handicapped Sign Detail

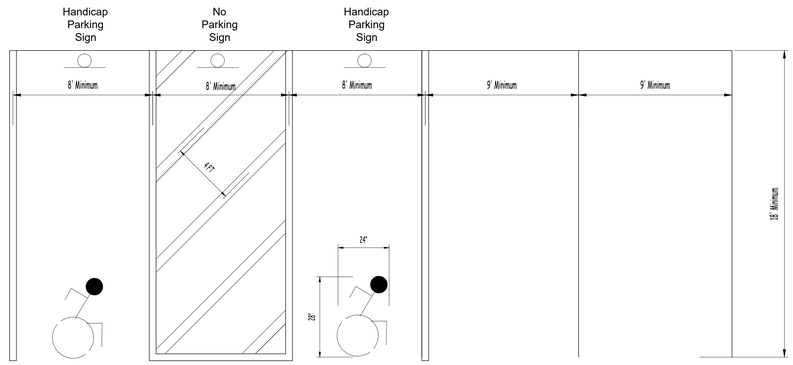
Scale: None

## General Pavement Marking Notes:

1. All pavement markings shall be placed in accordance with the mutcd, nysdot specifications, details and supplements and ada requirements.
2. Handicap space markings shall be blue or blue with white background.
3. Non-hanicap markings shall be white or yellow. non-handicap markings shall not be blue.
4. Minimum width of painted stall lines shall be 4" or as shown in detail or on plan.
5. Pavement surface shall be cleaned and prepared in accordance with nysdot standard specifications section 635.
6. Application of pavement marking paint shall be in accordance with nysdot standard specifications section 640.
7. Pavement markings shall be epoxy paint in accordance with nysdot standard specifications section 727-03
8. Excess paint and tools to be disposed and cleaned properly. paint and cleaning materials are not poured on ground or in sewers.

## ADA Parking Space Size Specifications:

1. Accessible parking spaces need to be at least 96 inches (2440 mm or 8 feet) wide and should have an adjacent access aisle.
2. An adjacent access aisle that is 8 feet wide is required.
3. Regulations allow two adjacent parking spaces to share a common access aisle.
4. Parking spaces and access aisles shall be in level with surface slopes not exceeding 1:50 (2%) in all directions.
5. All access aisles should remain free of obstructions at all times. Parked vehicle overhangs shall not reduce the clear width of an accessible route.
6. The boundary of the access aisle must be clearly marked. The end may be a curved or square shape.
7. Vertical Clearance: A minimum 98-inch of height clearance at van parking space, access aisle, and on vehicular route to and from van space is required.
8. All parking spaces, access aisle, signage and accessible routes shall comply with ICC/ANSI A117.1 & all local and state codes.




## Handicap Parking Plan & Details

Scale: None


Note:
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REGISTERED ARCHITECT — MICHAEL RICHARD BERTA — No. 026890 — STATE OF NEW YORK

Do Not Scale Prints

| Date | Revision |
|---|---|
| February 27, 2025 | Misc Revision per Review |

Site Details

Proposed Addition / Alteration For:
Faith Apostolic Ministries Inc
103 South Grand Ave
Poughkeepsie, New York

| | |
|---|---|
| Date | October 20, 2024 |
| Job No | 2023-001 |
| Scale | As Noted |
| Drawing | SP-4 |
| Of | Five |


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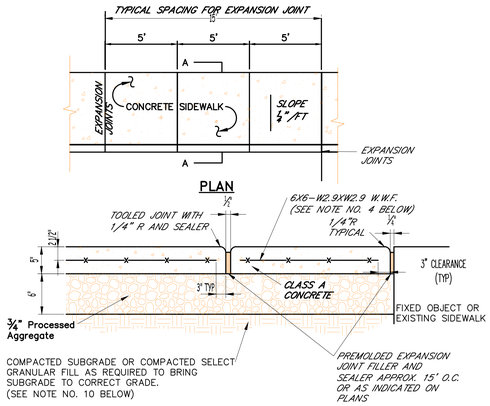
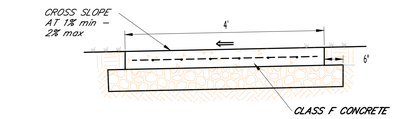
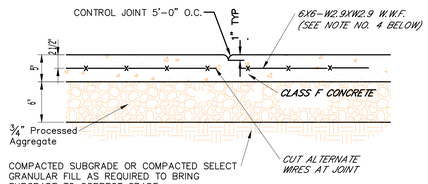



EXPANSION JOINT



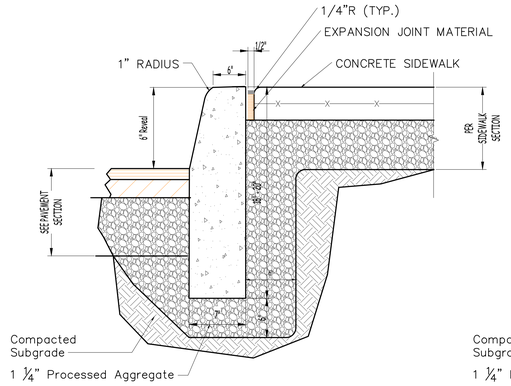

SECTION A–A



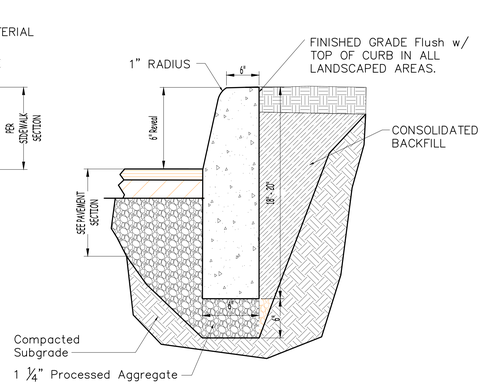

CONTROL JOINT

NOTES:

1. Sidewalk to be Constructed in Accordance w/ NYSDOT STANDARD SPECIFICATIONS SECTIONS 500 & 608
2. MATERIAL AND METHODS OF CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE NYSDOT STANDARD SPECIFICATIONS DATED JANUARY 9TH, 2014 AND ALL FOLLOWING ADDENDA.
3. ALL CONCRETE SHALL BE 4,500 PSI CLASS F CONCRETE. CONCRETE MATERIALS, PLACEMENT, AND CONSTRUCTION SHALL CONFORM WITH SECTION 500 OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS.
4. REINFORCING STEEL FOR CONCRETE SHALL CONFORM WITH SECTION 550 FOR CONCRETE STRUCTURES OF THE ABOVE REFERENCED STANDARD SPECIFICATIONS AND AS SPECIFICALLY CALLED OUT IN THE DRAWINGS.
5. ALL EXPOSED SURFACES SHALL HAVE AN EXPOSED AGGREGATE FINISH.
6. EXPANSION JOINTS SHALL BE LOCATED A MAXIMUM OF 15' ON CENTER, OR AS INDICATED ON PLANS.
7. JOINTS SHALL NOT BE SAW CUT.
8. EXPOSED CONCRETE SURFACES SHALL BE TREATED WITH "SALTGUARD W8" WATER & SALT SEALER, OR EQUAL. RATE AND METHOD OF APPLICATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
9. PROCESSED AGGREGATE MATERIAL SHALL CONFORM WITH SECTION 500 OF THE ABOVE REFERENCED NYSDOT STANDARD.
10. WHERE IT IS NECESSARY TO PLACE FILL FOR PURPOSE OF BRINGING THE SUBGRADE ELEVATION UP TO A SPECIFIED GRADE, THE FILL MATERIAL PLACED SHALL BE IN CONFORMATION WITH SECTION 200 OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS.
11. CONCRETE SHALL BE SEALED WITH A SALT RESISTANT SEALER.




ABUTTING SIDEWALK



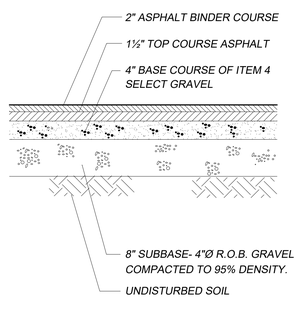

ABUTTING GRASS OR LANDSCAPE

NOTES:

1. CONCRETE CURB SHALL BE 4,500 PSI CAST-IN-PLACE, AND IN ACCORDANCE WITH NYSDOT STANDARD SPECIFICATIONS SECTIONS 500 & 608
2. EXPANSION JOINTS OF 11/16" CELLULOSE OR SIMILAR MATERIAL SHALL BE PLACED AT 8 FOOT INTERVALS in accordance w/ NYSDOT SECTION 609

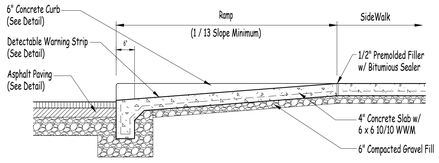
## Cast-in-Place Concrete Curb Detail - Outside NYSDOT Right Away

NOT TO SCALE



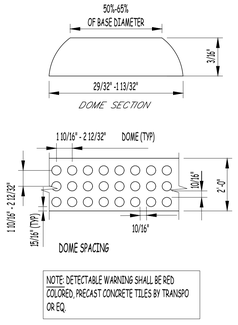

Paving Detail

Scale: None




Section Thru Sloped Sidewalk

Scale: None




NOTE: DETECTABLE WARNING SHALL BE RED COLORED, PRECAST CONCRETE TILES BY TRANSPRO OR EQ.

Detectable Warning Strip

Scale: None

## SIDEWALK AND CONCRETE PAVING NOTES:

SIDEWALK AND CONCRETE PAVING NOTES:

CONSTRUCT SIDEWALK IN ACCORDANCE WITH NYSDOT STANDARD SPECIFICATIONS SECTIONS 500 AND 608

MATERIAL AND METHODS OF CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE NYSDOT STANDARD SPECIFICATIONS DATED JANUARY 9TH, 2014 AND ALL FOLLOWING ADDENDA.

CONCRETE SHALL BE 4,500 PSI CLASS F CONCRETE. CONCRETE MATERIALS, PLACEMENT, AND CONSTRUCTION SHALL CONFORM WITH SECTION 500 OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS.

REINFORCING STEEL FOR CONCRETE SHALL CONFORM WITH SECTION 550 FOR CONCRETE STRUCTURES OF THE ABOVE REFERENCED STANDARD SPECIFICATIONS AND AS SPECIFICALLY CALLED OUT IN THE DRAWINGS.

EXPOSED SURFACES SHALL HAVE AN EXPOSED AGGREGATE FINISH.

EXPANSION JOINTS SHALL BE LOCATED A MAXIMUM OF 15' ON CENTER, OR AS INDICATED ON PLANS.

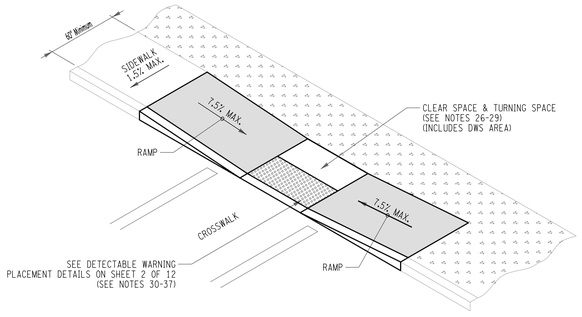
JOINTS SHALL NOT BE SAW CUT.

EXPOSED CONCRETE SURFACES SHALL BE TREATED WITH "SALTGUARD W8" WATER & SALT SEALER, OR EQUAL. RATEAND METHOD OF APPLICATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

PROCESSED AGGREGATE MATERIAL SHALL CONFORM WITH SECTION 500 OF THE ABOVE REFERENCED NYSDOT STANDARD.

WHERE IT IS NECESSARY TO PLACE FILL FOR PURPOSE OF BRINGING THE SUBGRADE ELEVATION UP TO A SPECIFIED GRADE, THE FILL MATERIAL PLACED SHALL BE IN CONFORMATION WITH SECTION 200 OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS.

CONCRETE SHALL BE SEALED WITH A SALT RESISTANT SEALER.




Curb Ramp Configuration: Type 9 Mid-Block Crossing or T Intersection

Curb Ramp Notes:

18. The Minimum Clear Width of a Curb Ramp Shall Be 4'-0". The Departments Preferred Clear Width Is 5'-0".
19. The Maximum Grade (Running Slope) For Design and Layout of a Curb Ramp Shall Be 7.5%. The Grade for Work Acceptance Shall Be a Maximum Of 8.3%.
20. Where The Terrain Does Not Allow Construction of a Curb Ramp with A Grade (Running Slope) Of 8.3%, Or Less Within 15'-0", The Ramp Length Shall Not Be Required to Exceed 15'-1" For Design and Layout Of, 15'-0" For Work Acceptance.
21. The Cross Slope of The Curb Ramp Shall Be as Flat as Possible and Shall Provide Positive Drainage. The Cross Slope of a Curb Ramp Shall Be 1.5% Maximum for Design and Layout, And Maximum for Work Acceptance. The Following Exceptions Are Allowed:
    Where Pedestrian Street Crossings Are Provided at Intersections Where There Is No Yield or Stop Sign, Or Where There Is a Traffic Signal That Is Designed for The Green Phase, And at Midblock Crossings, The Cross Slope of The Curb Ramp Shall Be Permitted to Equal the Street Or Highway Grade.
22. Where The Existing Roadway Grade Exceeds the Maximum Allowable Cross Slope for A Curb Ramp and Cannot Be Corrected Within the Scope of The Project. The Ramp Should Be Designed and Constructed in Accordance with the "Curb Ramp Cross Slope Transition" Detail on Sheet 8 Of 12. The Ramp May Need to Be Justified as A Nonstandard Feature. See Note 3 On This Sheet.
23. Ramp Side Options Are Detailed on Sheet 3 Of 12. Where A Pedestrian Circulation Path Crosses the Curb Ramp, Flared Sides Shall Be installed With a Maximum Slope Of 9.5% For Design and Layout, And 10% Maximum for Work Acceptance. A Pedestrian Circulation Path Is Assumed to Cross the Curb Ramp When Area Adjacent to The Ramp Is Paved and Free of Vertical Obstructions That Would Prevent Pedestrian Passage. There Is No Maximum Flare Slope for A Ramp That Is Not Crossed by A Pedestrian Circulation Path.
24. The Back Side of a Parallel Ramp Should Be Graded to A Maximum Slope Of 25%. To Match Existing Terrain, Unless Otherwise Shown in The Contract Documents. Where Grading Is Not Feasible Due to Limited Row or Physical Constraints, A Back Curb May Be Installed. See Details on Sheet 3 Of 12 And Sheet 9 Of 12.
25. The Departments Preference Is to Install Two Separate Curb Ramps At A Street Corner That serves Two Separate Pedestrian Crossings. With Each Ramp Aligned To The Crossing That It serves. Where Existing Physical Constraints Prevent Separate Ramps, A Single Curb Ramp (I.E., A Diagonal Curb Ramp) Is Permitted To Serve Both Pedestrian Crossings

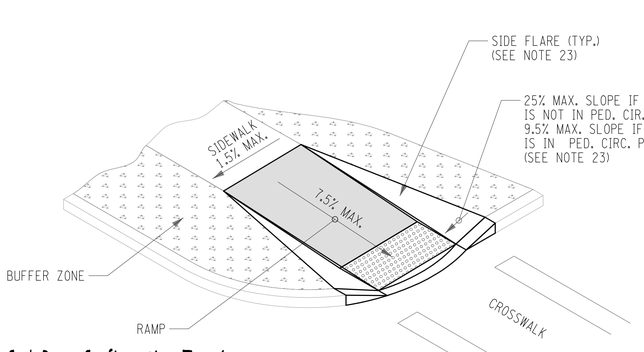
Turning Space and Clear Space Notes

26. Where A Change In Direction Is Required To Utilize A Curb Ramp, A Turning Space Shall Be Provided At The Base Or The Top Of Curb Ramp. As Applicable, Turning Spaces Shall Be Permitted To Overlap Clear Spaces.
27. Where There Are No Vertical Constraints At The Back Of Sidewalk, (E.G., Vertical Curbs, Buildings, Fences) The Turning Space Dimensions Shall Be 4'-0" X 4'-0" Minimum. Where The Turning Space Is Constrained At The Back Of Sidewalk, The Turning Space Shall Be 4'-0" X 5'-0" Minimum. The 5'-0" Dimension Shall Be In The Direction Of The Ramp Run.
28. Turning Spaces Shall Not Be Designed With A Slope Greater Than 1.5% In Any Direction, While Providing Positive Drainage. The Maximum Slope For Work Acceptance Is 2.0%.
    Where Pedestrian Street Crossings Are Provided at Intersections Where There Is No Yield or Stop Sign, Or Where There Is A Traffic Signal That Is Designed For The Green Phase And At Mid-block Crossings, The Cross Slope Of The Turning Space Shall Be Permitted To Equal The Street Or Highway Grade. When A Ramp Exists Between the Turning Space and The Curb, The Cross Slope Of The Turning Space Should Be Less Steep Than The Roadway Grade And As Flat As Practicable Wherever Feasible
29. Below The Bottom Grade Break of A Curb Ramp, A Clear Space Of 4'-0" X 4'-0" Minimum Shall Be Provided Within The Width Of The Pedestrian Crosswalk, And Outside The Parallel Vehicle Travel Lane. Clear Space May Overlap Turning Spaces, Detectable Warning Surfaces, And Drop Curbs.

Detectable Warning Notes:

30. Detectable Warning Surfaces (DWS) Shall Be Provided at The Following Locations On Pedestrian Access Routes:
    A. Curb Ramps and Blended Transitions at Pedestrian Street Crossings.
    B. Pedestrian Refuge Islands (Where the Length of The Pedestrian Access Route Across the Refuge Island Is Greater Than Or Equal To 6').
    C. Pedestrian At-Grade Rail Crossings Not Located Within a Street Or Highway.
31. Detectable Warning Surfaces Shall Be Provided Where the Pedestrian Access Route Crosses Driveways With Signal, Yield Or Stop Control. Detectable Warning Surfaces Shall Not Be Provided At Crossings Of Uncontrolled Driveways.
32. With The Exception Of The Detectable Warning Surface Truncated Dome Details On Sheet 3 Of 12, Detectable Warning Domes Are Not Depicted To Scale On These Sheets.
33. Detectable Warning Fields Shall Extend 24" Minimum In The Direction Of Pedestrian Travel Across The Full Width Of The Curb Ramp Or Flush Surface, Excluding Any Flared Sides.
34. Some Detectable Warning Products Require A Concrete Border For Proper Installation. If Required, The Border Shall Not Exceed 2". Where The Back Of The Curb Edge Is Tooled To Provide A Radius, The Border Dimension Shall Be Measured From The Inside Edge Of The Curb Radius. Borders Cannot Be Included As Part Of The 24" Minimum Dimension Described In Note 33.
35. Where Curb Is Not Used, The Edge Of Pavement Shall Be Substituted For The Back Of Curb For Placement Of Detectable Warnings.
36. On Slopes Of 5% Or Greater, The Rows Of Domes Shall Be Aligned To Be Perpendicular Or Radial To The Lower Grade Break On The Ramp Run. Where Domes Are Arrayed Radially, They May Differ In Diameter And Center-To-Center Spacing Within The Ranges Specified On Sheet 2 Of 12. Dome Alignment That Is Perpendicular Or Radial To The Lower Grade Break Is Not Required On Slopes Of Less Than 5%.
37. The Detectable Warning Field Shall Be The Color Specified In The Contract Documents Or Meet The Requirements Of The Standard Specifications. Detectable Warning Surfaces Shall Contrast Visually With Adjacent Gutter, Street Or Highway, Or Pedestrian Access Route Surface, Either Light-On-Dark Or Dark-On-Light.

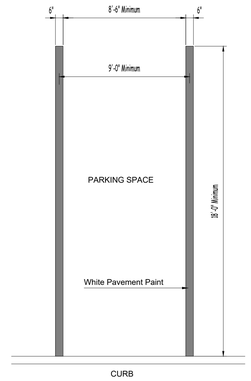
38.

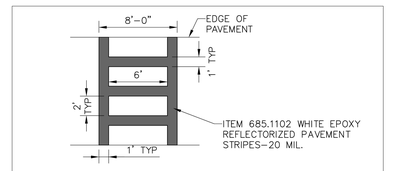



Curb Ramp Configuration: Type 1

NYSDOT ROW Curb Ramp Details

Scale: None




NOTES:

1. ALL CROSS WALK STRIPING SHALL BE WHITE.

TYPE LS CROSSWALK

4 SCALE: N.T.S.

General Pavement Marking Notes:

Pavement Markings Shall Be Placed in Accordance With The MUTCD, NYSDOT Specifications, Details And Supplements And Ada Requirements.

Handicap space markings shall be blue or blue with a white background.

Non-handicap markings shall be white or yellow. Non-handicap markings shall not be blue.

The minimum width of painted stall lines shall be 6" or as shown in detail or on plan.

The pavement surface shall be cleaned and prepared in accordance with NYSDOT standard specifications.

Application of pavement marking paint shall be in accordance with NYSDOT standard specifications.

Pavement markings shall be epoxy paint in accordance with NYSDOT standard specifications.

Excess paint and tools to be disposed of and cleaned properly. Paint and cleaning materials are not poured on ground or in sewers.

Parking Space & Crosswalk Detail

Scale: None

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| Date | Revision |
|---|---|
| February 27, 2025 | Misc Revision per Review |

Do Not Scale Prints

Site Details

Proposed Addition / Alteration For
Faith Apostolic Ministries Inc
101 South Grand Ave
Poughkeepsie, New York

| | |
|---|---|
| Date | October 20, 2024 |
| Job No | 2023-001 |
| Scale | As Noted |
| Drawing | SP-5 |
| Of | |

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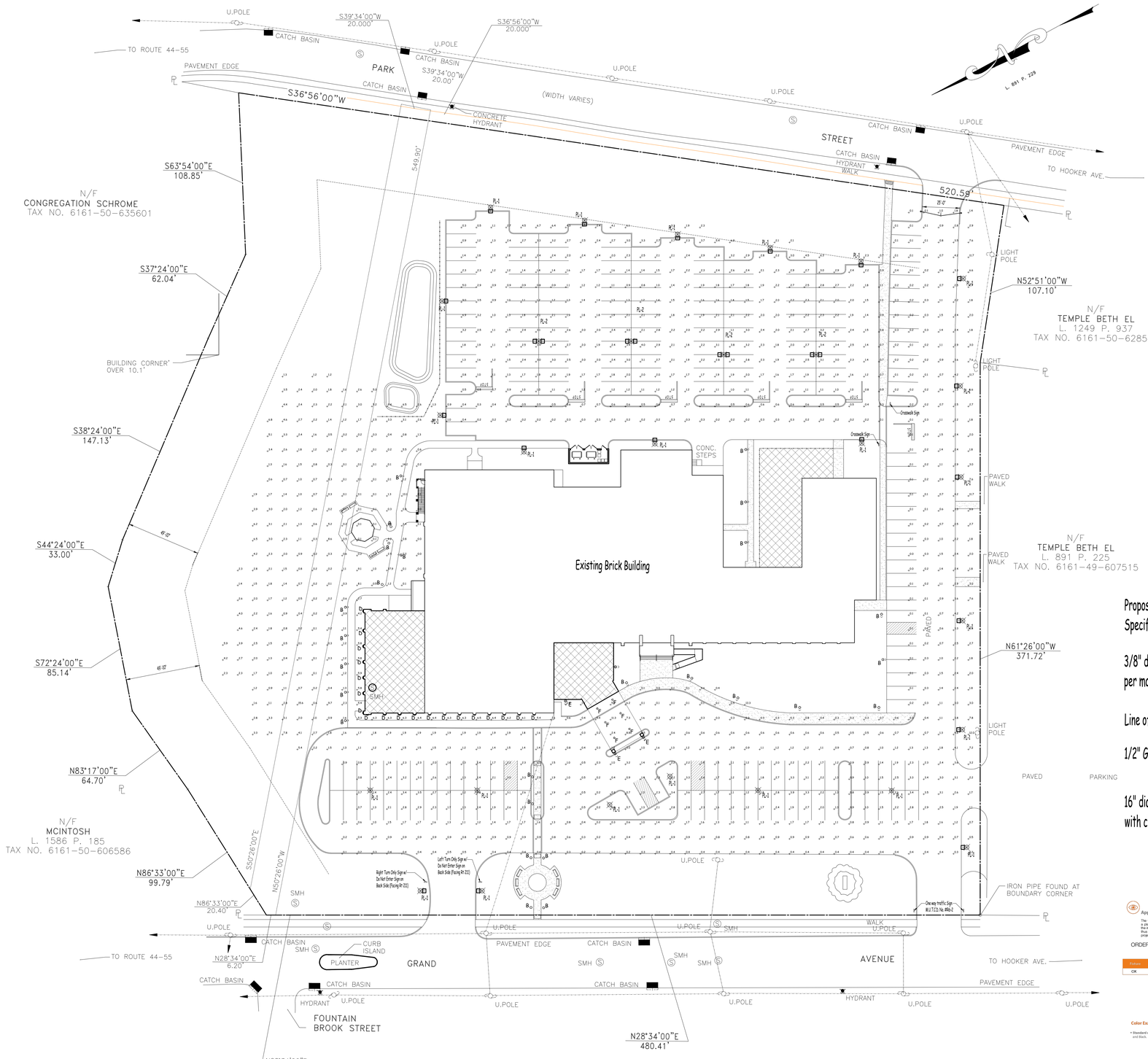



Note:
All Exterior Lighting To Be Dark Sky Compliant with Maximum Lighting Levels of 0.01 At Property Lines

# Site Lighting Plan

Scale: 1" = 30'-0"

SHIELDED FOR ZERO BLEED

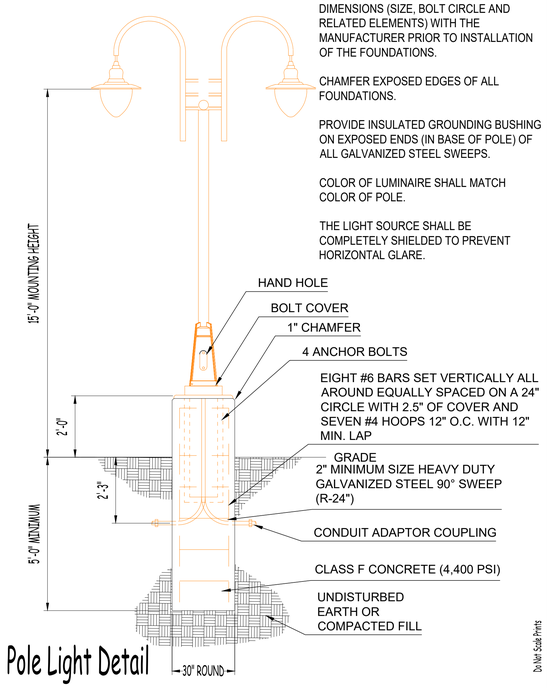
CHECK AND VERIFY ANCHOR BOLT DIMENSIONS (SIZE, BOLT CIRCLE AND RELATED ELEMENTS) WITH THE MANUFACTURER PRIOR TO INSTALLATION OF THE FOUNDATIONS.

CHAMFER EXPOSED EDGES OF ALL FOUNDATIONS.

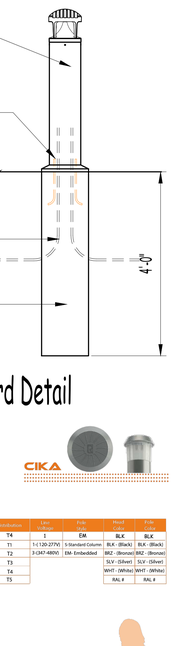
PROVIDE INSULATED GROUNDING BUSHING ON EXPOSED ENDS (IN BASE OF POLE) OF ALL GALVANIZED STEEL SWEEPS.

COLOR OF LUMINAIRE SHALL MATCH COLOR OF POLE.

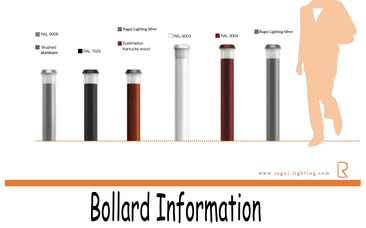
THE LIGHT SOURCE SHALL BE COMPLETELY SHIELDED TO PREVENT HORIZONTAL GLARE.




## Pole Light Detail




## Bollard Detail




## Bollard Information

# Beta Pendant LED

selux

Project: _____

Type: _____ Qty: _____

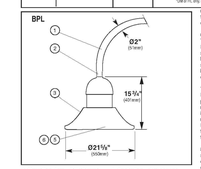
BPL Series — Vonex Mounting — R5S Optics — 5G700 Light Engine — 30 CCT — BZ Finish — 240 Voltage — PCT Options

SSA5 Pole Series — 12' Height — BZ Finish — BCS Pole Options

| Series | Mounting | Optics | Light Engine | CCT | Finish | Voltage | Options |
|---|---|---|---|---|---|---|---|
| BPL Beta Pendant LED | 1 Single<br>2C Double<br>3C Triple Cluster<br>4C Quadruple Cluster<br>W Wall Mount<br>P Pendant | R1 Type I<br>R2 Type II<br>R3 Type III<br>R4 Type IV<br>R5R Type V (Round)<br>R5S Type V (Square) | 5G350 Nominal 33W<br>5G530 Nominal 48W<br>5G700 Nominal 64W<br>5G105 Nominal 87W<br>5G140 Nominal 126W | 30 3000K<br>40 4000K | WH White<br>BK Black<br>BZ Bronze<br>SV Silver<br>SP Specify Premium Color | UNV 347<br>480<br>UNV- 120-277V | HS3 House Side Shield<br>DMT Dimming (0-10V)<br>PCT Photocell Timers<br>HLF H-Lo Switching<br>RBC GFCI Receptacle<br>Motion Sensor w/ Optional Photocell (Mvmt/Tile 24 requirements)<br>*Trim trim size chart for order code |

*Value in SL only. Cannot be combined. ** 120V, 240V, 277V only. ***Type II, III, & IV Only

BPL




**1. Mounting Arm** - Ø2" (51mm) curved arm attaches to pole by means of a transition fitter supplied with fixture.

**2. Fixture Connection** - The fixture cap is securely fastened to curved arm using a steel connector.

**3. Fixture Hood** - Decorative low-copper aluminum shade.

**4. Gasketing** - (Not shown) Continuous molded gaskets provide weatherproofing, dust, and insect control.

**5. LED Array** - High Flux LEDs mounted to metal core PCB and attached to external heat sink for maximum LED performance and life. CCT tolerance within a 3 step on any provided with a minimum CRI of 80. LED light engine has a reported lumen maintenance of 98% at 50,000 hours. L70 calculated greater than 100,000 hours.

**6. LED Optics** - (not shown) Technical Optics (R1, R2, R3, R4, R5S and R5R) use Selux signature light pattern acrylic lens holder to secure proprietary silicone optics. Internal micro-louver shield available for distributions types I, II, III & IV.

**7. LED Driver** - (not shown) LEDs are driven by RoHS compliant constant current programmable LED driver. Driver includes 0-10V dimming to 10%, standard on all models. Driver assembly located inside the head and accessible through the the hinged door.

**8. Surge Protection** - (Not shown) 3-Pole Surge protection device protects electronic components from indirect lighting strikes and surges up to (10kA and 10kV). RoHS compliant.

**Exterior Luminaire Finish** - Selux utilizes a high quality TGIC polyester powder. All Selux luminaires and poles are finished in our Tiger Drylac certified facility and undergo a five stage intensive pretreatment process where product is thoroughly cleaned, phosphated and sealed. Selux powder coated products provide excellent salt and humidity resistance as well as UV stability and gloss and color retention. All products are tested in accordance with test specifications for coatings from ASTM and PCI. Standard exterior colors are White (WH), Black (BK), Bronze (BZ) and Silver (SV). Special premium colors (SP) are available, please specify from your Selux color selection guide.

**5 Year Limited LED Luminaire Warranty** - Selux offers a 5 Year Limited Warranty to the original purchaser that the Beta Pendant LED luminaire shall be free from defects in material and workmanship for up to five (5) years from date of shipment. This limited warranty covers the fixture. LED light engine to be properly installed and operated according to Selux instructions. Fixture suitable for ambient temperature of 40° C (104° F). For details and exclusions, see "Selux Terms and Condition of Sale."

**Listings and Ratings** - Tested to IESNA LM-79-08 and LM-80 test standards at 25° C ambient temperature. Rated for wet locations.

Selux Corp. © 2017
TEL (845) 834-1400
FAX (845) 834-1401
www.selux.us
BPL_0517-01 (rev1.27)

**NRTL Listed (i.e. UL, CSA)**

Wet Rated

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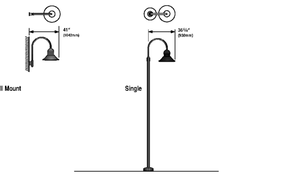


## Optional Accessories

**Photo Cell Tenon (PCT)** - Button type photocell mounted in cast aluminum pole top tenon. Tenon has integral cast visor to prevent false start/stop cycle and can be oriented for optimum performance. Refer to fixture spec sheet to determine if this option is applicable.

**GFCI Receptacle (RBC)** - GFCI duplex receptacle with cast base bolted to pole and gasketed, provided with weather-proof, self-closing cover; located 36" (915mm) from base of pole, inline with handhole. Receptacle is intended only for portable tools or other portable equipment to be connected to outlet only when attended by operating personnel.


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REGISTERED ARCHITECT — MICHAEL RICHARD BERTA — STATE OF NEW YORK

| Date | Revision |
|---|---|
| February 27, 2025 | Misc Revision per Review |
| August 28, 2024 | Misc Revision per Review |
| May 22, 2024 | Misc Revision per Review |
| April 23, 2024 | Misc Revision per Review |

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Proposed Lighting Plan and Details

Proposed Addition / Alteration For
Faith Apostolic Ministries Inc
1101 South Grand Ave
Poughkeepsie, New York

| | |
|---|---|
| Date | August 28, 2023 |
| Job No | 2023-001 |
| Scale | As Noted |
| Drawing | LT-1 |
| Of | |


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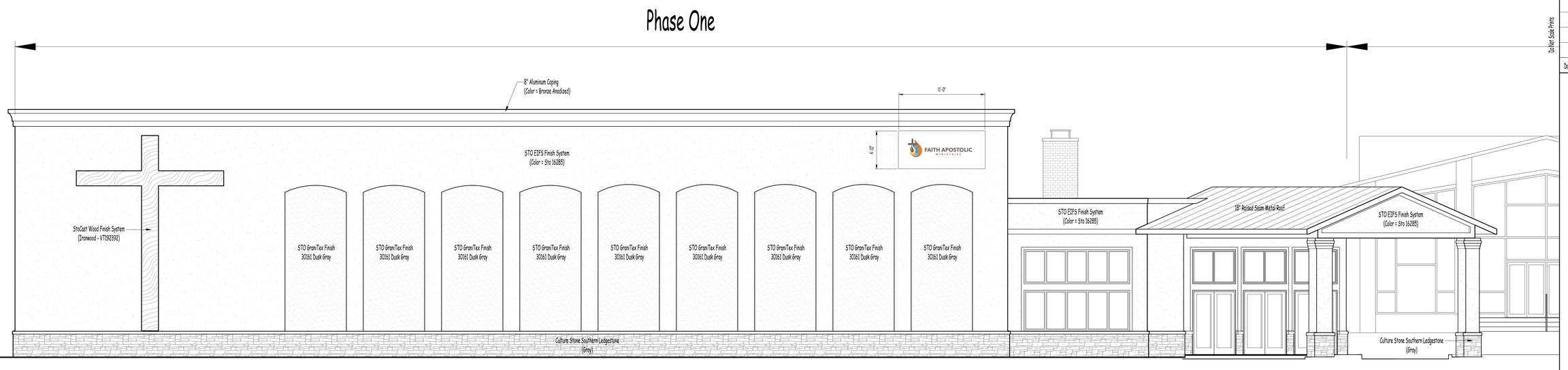

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| Date | Revision |
|---|---|

Proposed Front & Left Side Elevations

Proposed Addition / Alteration For
Faith Apostolic Ministries Inc
110 South Grand Ave
Poughkeepsie, New York

| | |
|---|---|
| Date | February 27, 2025 |
| Job No | 2023-001 |
| Scale | As Noted |
| Drawing | Pre-1 |
| Of | Three |

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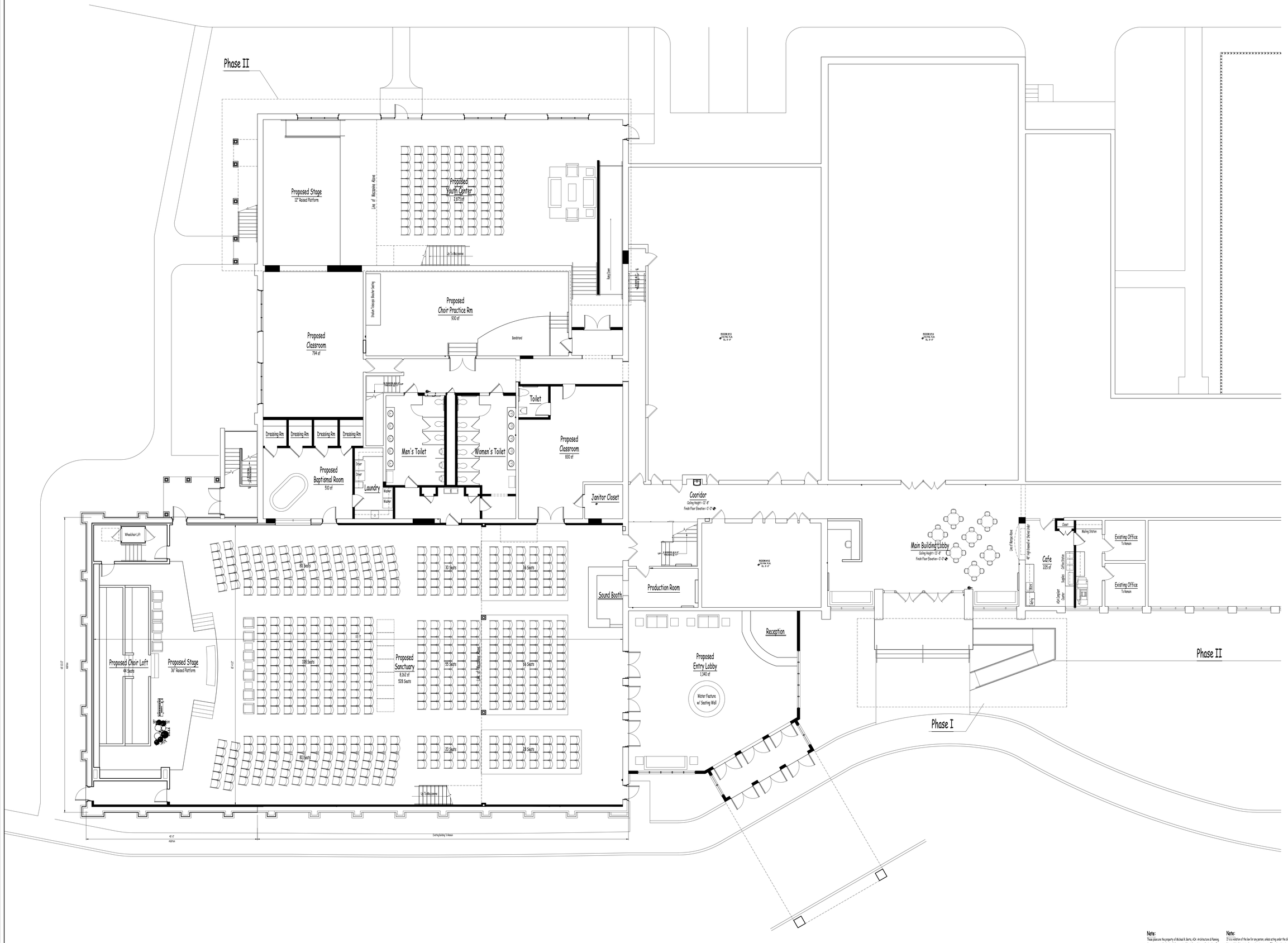


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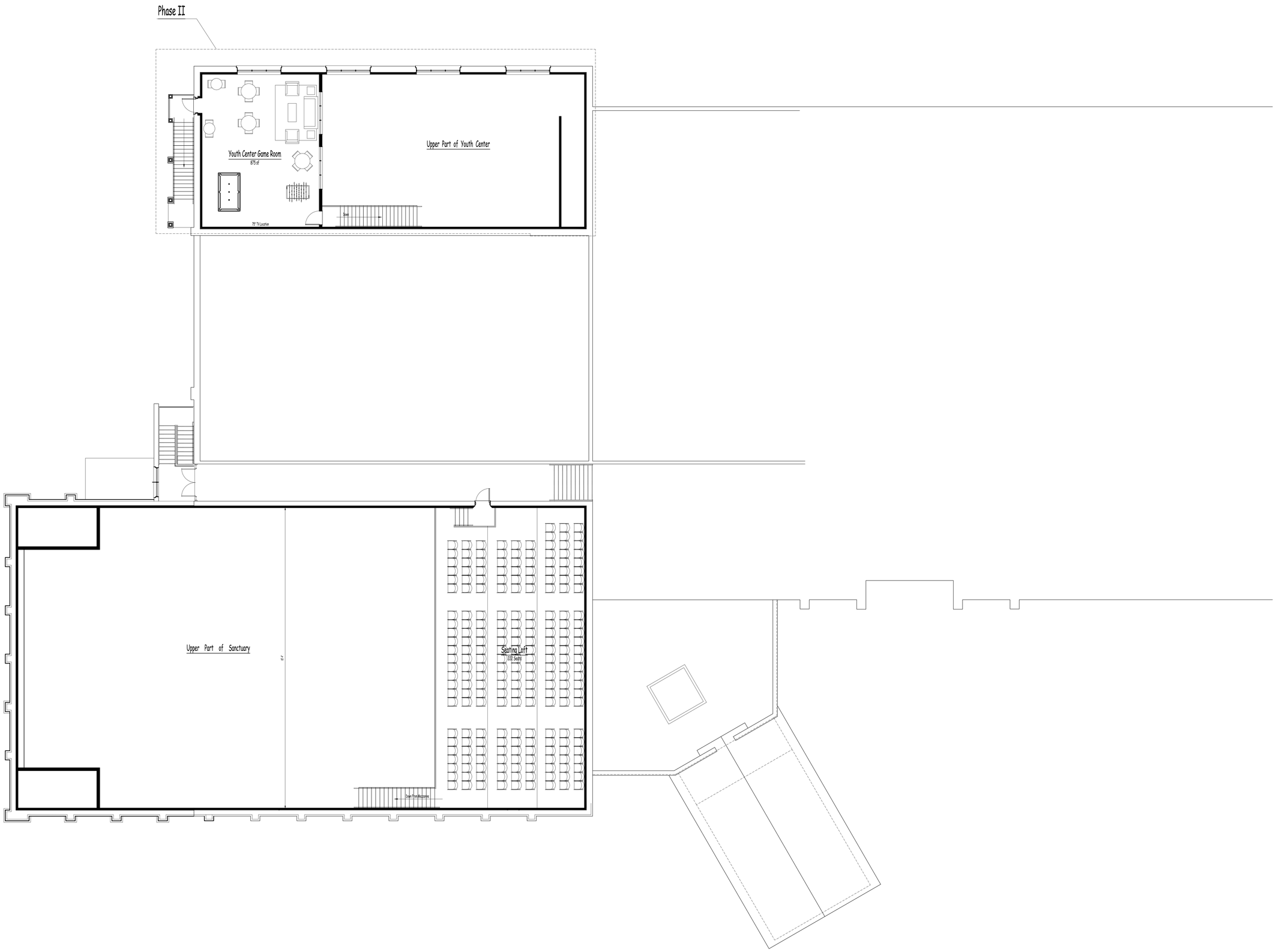
| Date | Revision |
|---|---|
| April 20, 2024 | Misc Revision per Review |

Proposed First Floor Plan

Proposed Addition / Alteration For
Faith Apostolic Ministries Inc
110 South Grand Ave
Poughkeepsie, New York

| | |
|---|---|
| Date | August 28, 2023 |
| Job No | 2023-001 |
| Scale | 1/8" = 1'-0" |
| Drawing | Pre-2 |
| Of | Three |

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| Date | Revision |
|---|---|
| | |

Proposed Second Floor Plan

Proposed Addition / Alteration For:
Faith Apostolic Ministries Inc
110 South Grand Ave.
Poughkeepsie, New York

Date: August 28, 2023

Job No: 2023-001

Scale: 1/8" = 1'-0"

Drawing: Pre-3
Of: Three

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# DECLARATION OF RECIPROCAL PARKING AGREEMENT

**AGREEMENT** (this "**Agreement**") dated as of the day of , 2024 by and between Faith Apostolic Ministries, located at 110 South Grand Avenue, Poughkeepsie, New York, 12603 and Temple Beth-El, located at 118 South Grand Avenue Poughkeepsie, New York, 12603.

**WHEREAS**, Faith Apostolic Ministries is the owner of certain real property located in the City of Poughkeepsie, County of Dutchess and State of New York, commonly known as 110 South Grand Avenue (Section ____, Block ___, Lot ____), and

**WHEREAS**, Temple Beth-El is the owner of certain real property located in the City of Poughkeepsie, County of Dutchess and State of New York, commonly known as 118 South Grand Avenue (Section ____, Block __, Lot _____), and

**WHEREAS**, Temple Beth-El desires to complete a parking agreement to grant Faith Apostolic Ministries permission to park up to eleven (11) vehicles within the Parking Lot located on Temple Beth-El's property.

**NOW, THEREFORE**, in furtherance of the forgoing and in consideration of the mutual covenants contained herein, Declarant hereby grants and declares the following:

1. Faith Apostolic Ministries shall be permitted to use up to eleven (11) parking spaces the lot of Temple Beth-El in accordance with the applicable laws, rules, regulations, determinations and ordinances of the City of Poughkeepsie, County of Dutchess and/or any other federal, state, county or local governmental authority having jurisdiction over the Parking Lot and/or the use thereof.

2. Faith Apostolic Ministries agrees to comply with any rules, regulations or requirements set forth by Temple Beth-El and agrees that to notify Temple Beth-El any time it expects the parking spaces to be used outside of the hours of 9 a.m. to 3 p.m. on Sunday.

3. Temple Beth-El agrees that as the owner of the parking lot it will manage and maintain it as Temple Beth El deems appropriate.

4. This Agreement constitutes the entire agreement with respect to the subject matter hereof. No amendment or modification of this Agreement shall be binding unless in writing and signed by the owners of 110 Grand Street and 118 South Grand Street or their respective successors, heirs and assigns.

5. This Agreement shall remain in effect in perpetuity until terminated by one or both

1/6/25 JT 1 & 2

parties hereto either with or without cause.

**IN WITNESS WHEREOF**, the parties hereto have executed this Agreement as of the date and year first above written.

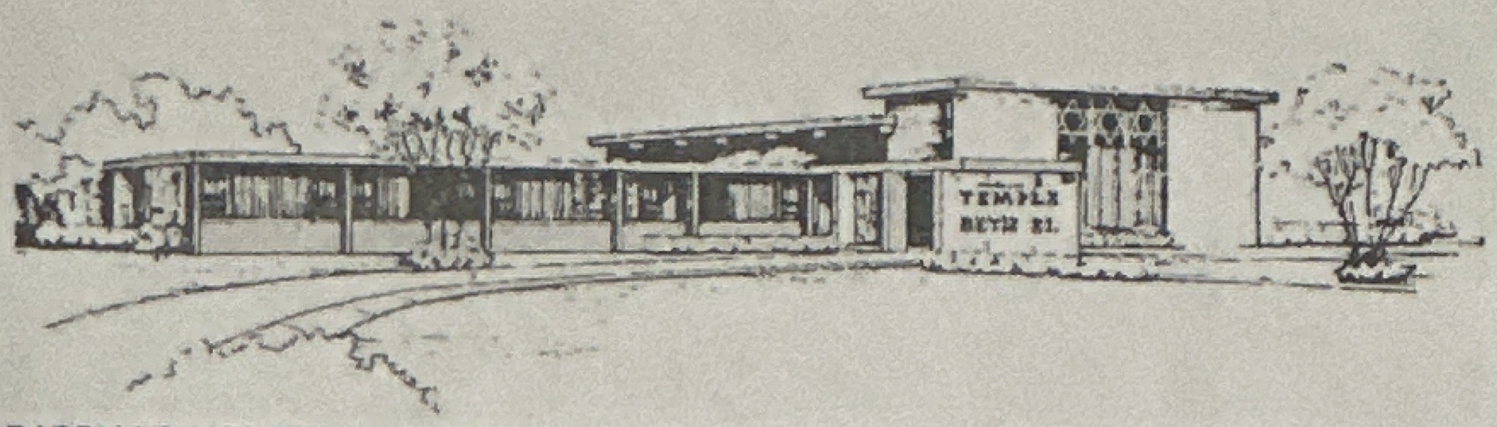
Faith Apostolic Ministries

By:_____
Name:
Title:

Temple Beth-El

By:_____
Name: John T. Weisman
Title: President 1/6/25

1/6/25
282



RABBI MICHAEL FESSLER, RABBI
RABBI MIRIAM HYMAN, ROSH TEFILLAH & EDUCATION DIRECTOR

# Temple Beth-El

118 SOUTH GRAND AVENUE
POUGHKEEPSIE, NY 12603
Phone 845•454•0570 Fax 845•454•7257
www.tbeny.org

DONNA GORDON, MERRI SEDGEWICK,
JOHN WEISMAN CO-PRESIDENTS
JOËL LOGAN, OFFICE MANAGER

7/23/2024

Pastor Kemoah Wray
Faith Apostolic Ministries
110 South Grand Ave
Poughkeepsie, NY 12603

Dear Pastor Wray,

I met with our Executive Committee last night and they agreed to the following: your ministry can utilize the parking lot of Temple Beth-El as overflow parking for up to 11 spaces. These spaces are to be utilized once your primary parking is full. It is our understanding that the most frequent use of these spaces would be on Sunday from 9AM to 3PM.

We will keep each other apprised of any special events that occur that might require either of us to use each other's parking.

Sincerely,

John Weisman

John Weisman, President

Building with conscience.

# StoSignature™ Impression: Wood 10 Wood 20

## Application Guide

**Facades**

Wood grained surface textures provide a natural looking aesthetic to a building facade. A variety of wood grained textures and colors can be created with StoSignature™ Impression Wood. Smooth, rough and knotted grains are just some of the customizable finish surfaces made possible with StoSignature.

# Impression: Wood 10

Fine textured finish with a smooth wood grain appearance.

Skill Level 3

## Surface Description

| | |
|---|---|
| **Description** | ▪ A brush or comb texturing tool is drawn along Stolit® Milano. This produces a texture reminiscent of a clear wood grain. Final “board lines” in the finish reinforce this look. |
| **Product** | ▪ Stolit® MIlano |
| **Supplementary Products** | ▪ StoPrime®<br>▪ StoTique® (optional)<br>▪ Sto Clear Coat Sealer (recommended) |
| **Possible Color Shades** | ▪ StoColor® System; LRV ≥ 20 for StoTherm® ci systems with EPS or XPS insulation<br>The minimum permissible light reflectance value depends on the substrate, the system, and the product. |

**Stainless Steel Trowel**

**Grain texture tool Maserboy Pajarito**

**Texture Brush**

Please note that the details, illustrations, general technical information, and drawings contained in this brochure are only general proposals and details which merely describe the basic functions schematically. They are not dimensionally accurate. Applicator/customer is independently responsible for determining the suitability and completeness for the product in question. Adjacent works are described only schematically. All specifications and information must be adjusted or agreed in the light of local conditions and do not constitute work, detail or installation plans. The technical specifications and product information in the Technical Data Sheets and in system descriptions/approvals must be observed.

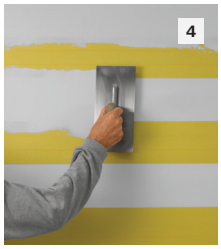
# Application Steps
# Wood 10

Fine textured finish with a wood grain appearance.

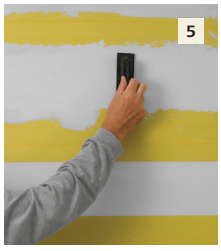
Apply a smooth coat of Stolit® Milano over entire properly primed wall. Leave the surface to dry.

Knock tips and ridges off the dried finish using the edge of the stainless steel trowel or lightly sand with a dry abrasive paper of P80-P100 grit. Blow/brush all loose particles/dust from surface.

Place marks at desired board widths, snap or draw lines. Mask one half of the board fields. Pay close attention to level and straightness to achieve a consistent final appearance.




Using a stainless steel trowel, apply a thin layer of Stolit Milano to one board field.

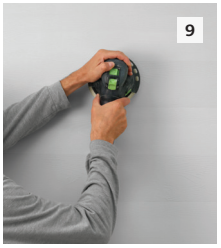



Texture the wet Stolit Milano in a horizontal manner using a texture brush or comb texturing tool.

Optional: leave Stolit Milano until it is dry to the touch. Level the rough edges using a dry foam roller. Applying only light pressure, guide the foam roller along the board lengths.

Immediately or after rolling, remove the masking tape from the adjacent fields. Leave the surface to dry.

Lightly sand the textured surface to remove high points to aid in the taping process. Clean the surface to remove dust, then mask already textured surface. Work on the remaining areas. Remove tape. Leave the surface to dry.




Lightly sand the entire surface with a manual or power sander with a dry abrasive paper of P80-P100 grit.

## Notes

The color shade used is Stolit Milano SCS AC 16285.

Optionally, individual “boards” can be imitated by scoring the butt and bed joints in the finished surface.

The resulting grain can be enhanced using the color effect Variegated.

Stolit Milano is not an abrasion or mar resistant finish nor is it available in dark colors. For added mar resistance top coat with two light coats of Sto® Clear Coat Sealer, available in matte or gloss. For dark colors top coat Stolit Milano with StoColor Acryl Plus in the desired color.

# Impression: Wood 20

Fine textured finish with a knotted wood grain appearance.

Skill Level 3

## Surface Description

| | |
|---|---|
| **Description** | ▪ A grain textured tool is drawn along Stolit® Milano. This produces a look reminiscent of a knotted wood. Final “board lines” in the finish reinforce this look. |
| **Product** | ▪ Stolit Milano |
| **Supplementary Products** | ▪ StoPrime®<br>▪ StoTique® (optional)<br>▪ Sto Clear Coat Sealer (recommended) |
| **Possible Color Shades** | ▪ StoColor® System; LRV ≥ 20 for StoTherm® ci systems with EPS or XPS insulation<br>The minimum permissible light reflectance value depends on the substrate, the system, and the product. |

**Stainless Steel Trowel**

**Grain texture tool Maserboy Pajarito**

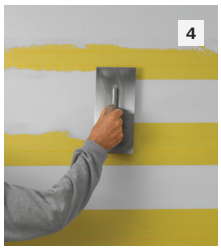
Please note that the details, illustrations, general technical information, and drawings contained in this brochure are only general proposals and details which merely describe the basic functions schematically. They are not dimensionally accurate. Applicator/customer is independently responsible for determining the suitability and completeness for the product in question. Adjacent works are described only schematically. All specifications and information must be adjusted or agreed in the light of local conditions and do not constitute work, detail or installation plans. The technical specifications and product information in the Technical Data Sheets and in system descriptions/approvals must be observed.

# Application Steps
# Wood 20
Fine textured finish with a knotted wood grain appearance.

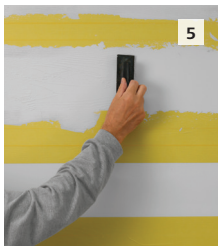
Apply a smooth coat of Stolit Milano, over entire properly primed wall. Leave the surface to dry.

Knock tips and ridges off the dried finish using the edge of the stainless steel trowel or lightly sand with a dry abrasive paper of P80-P100 grit. Blow/brush all loose particles/dust from surface.

Place marks at desired board widths, snap or draw lines. Mask one half of the board fields. Pay close attention to level and straightness to achieve a consistent final appearance.



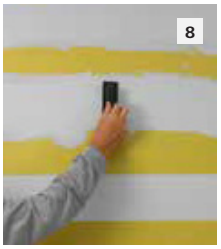

Using a stainless steel trowel, apply a thin layer of Stolit Milano to one board field.



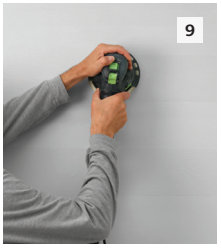

Place the grain texture tool on the wet Stolit Milano and push or pull it along in a slow rocking motion.

Remove tape. Leave Stolit Milano until dry.

Lightly sand the textured surface to remove high points to aid in the taping process. Clean the surface to remove dust, then mask already textured surface.




Work on the remaining areas, remove the tape. Leave the surface to dry.




Lightly sand the entire surface with a manual or power sander with a dry abrasive paper of P80-P100 grit.

## Notes

The color shade used is Stolit Milano SCS AC 16285.

Optionally, individual “boards” can be imitated by scoring the butt and bed joints joints in the finished surface.

The resulting grain can be enhanced using the color effect Variegated or top coats.

Stolit Milano is not an abrasion or mar resistant finish nor is it available in dark colors. For added mar resistance top coat with two light coats of Sto Clear Coat Sealer, available as a matte or gloss sealer. For dark colors top coat Stolit Milano with StoColor® Acryl Plus in the desired color.

# Notes and Tips

**Basic Information:**
Achieving good results requires a certain degree of skill and knowledge of the trade, plus preliminary training in the relevant techniques.

**Hand-held samples and sample surface areas:**
Smaller samples are not always suitable for providing an overall impression of an application technique on larger facade surfaces. For this reason, we highly recommend having the contractor prepare a mock up sample. If this work requires scaffolding, this should be taken into account when creating the sample. The finished sample area should be inspected and accepted by the site manager/building owner. The area provides a reference surface for the contracted service.

**Planning the work procedure and how the work is divided up:**
Before starting the work, determine who will carry out which tasks such as applying, smoothing or texturing. Carefully plan each coating process, taking into account the weather conditions, and prepare the relevant material.

**Uniform Application:**
When tradesmen create facade textures or structures, it is important to remember that each tradesman has his or her own signature style. For smaller facade surfaces, if possible same person should create the structure or texture, in order to prevent discrepancies. On large facade surfaces, an experienced team may combine individual application techniques to produce an end result that has a harmonious appearance.

**Size of the area:**
For large facades, we recommend dividing the surface to be created into smaller partial areas. This ensures that calculations and execution are reliable, and that good application results will be achieved.

**Scaffolding:**
The scaffolding must be appropriate for the trade processes being carried out and the techniques and tools used: take into account the spacing, the brackets, the projections, and the positioning and height of the scaffolding.

**Weather protection:**
If the weather is unfavorable during the application and drying processes, it is necessary to put in place appropriate protective measures (rain/solar protection, etc.).

**Corner areas/connections:**
Carefully plan connections and corner areas. It may be necessary to use a different application technique in these areas. Not every technique is suitable for use up into internal corners, for example.

**Areas with fine textured finish:**
Float-finishing, smoothing, or sanding smoothed textures requires more extensive substrate preparation than in the case of rough textures. Additional measures for levelling out the substrate may be required depending on its nature.

**Color schemes:**
Intense or dark colors will emphasize uneven areas of the substrate, textural differences in the finish, and any other effects caused during application. For this reason, a coarser finish texture (aggregate size >2.0) is recommended for facades with intense colors or dark tints. It is important to observe project-related aspects from a technical perspective such as substrate warming and system compatibility. The color shade must be balanced to suit the substrate, system and type of use.

**Sto Americas**

**Sto Corp.**
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Atlanta, GA 30331
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S922 09/2019

Building with conscience.

# StoSignature®

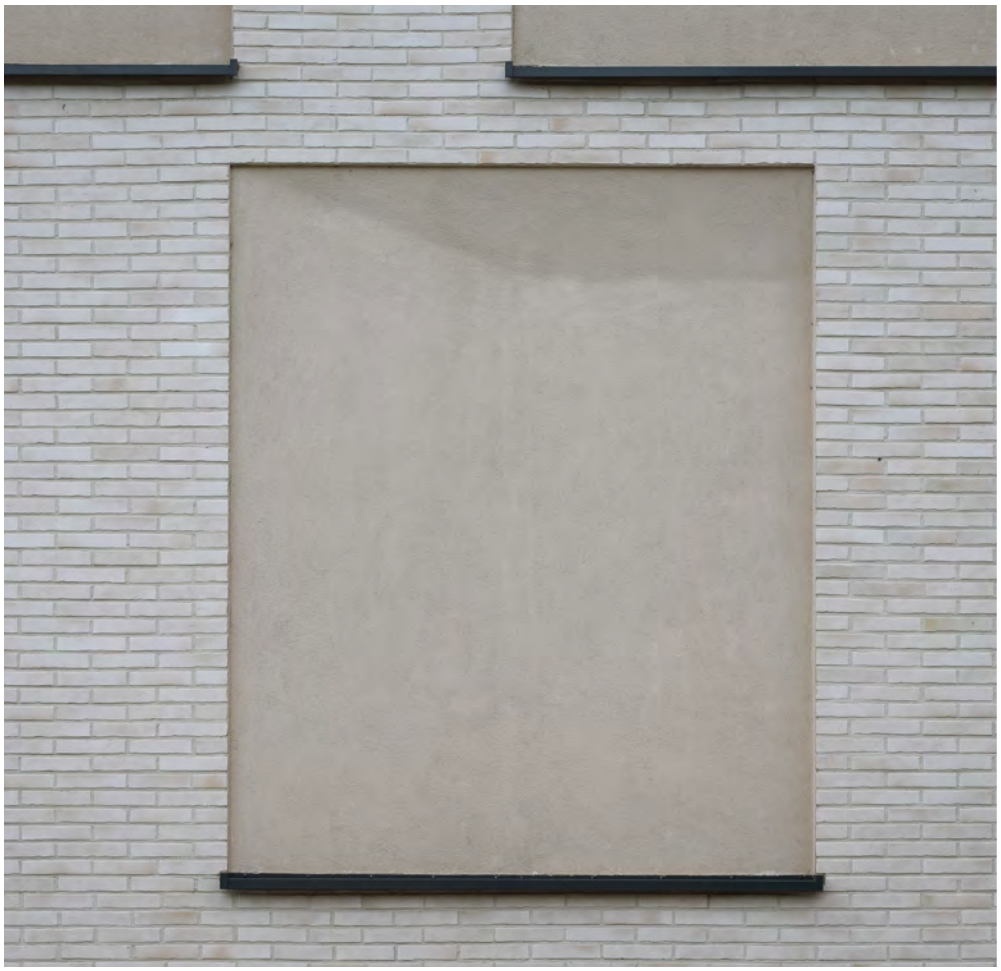
## Customized Finish Surfaces

**Facades**

StoSignature® combines Sto high quality finishes with specific application techniques that utilize color, texture, profiles and effects to create beautiful, one of a kind aesthetics for building exteriors.

# If you can imagine it, you can create it.

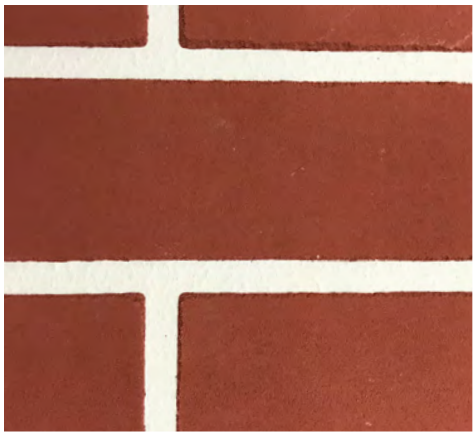
In modern building design, beauty is in the details. Sto, the technical and creative experts in exterior wall solutions, makes it easier than ever to create a signature look the world has never seen before. Introducing StoSignature. A virtually endless blend of color, texture, profiles, and effects utilizing Sto products that create customizable finished surfaces that can be applied to any Sto wall system. With your imagination and StoSignature, extraordinary awaits.



Brick and Rough 10

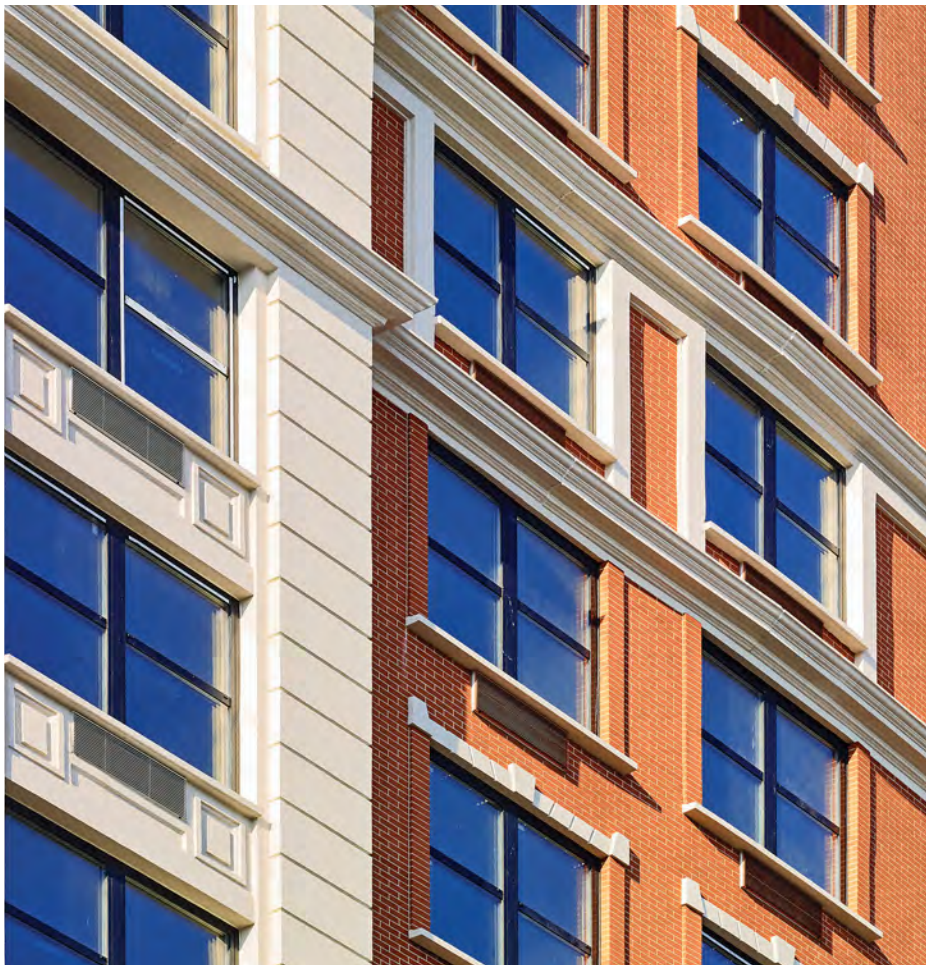
# Outer beauty. Inner functionality.

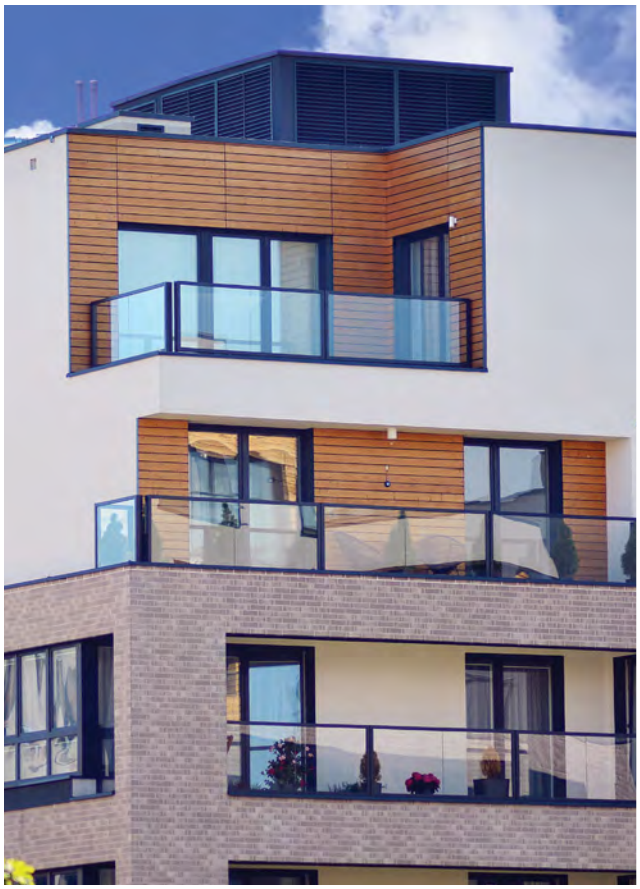
StoSignature combines Sto's high-quality, proven finishes with application techniques to create beautiful, one-of-a-kind exterior aesthetics. But peek beneath the surface and you will discover the beauty of some of the most tested and trusted engineered wall assemblies. Let individuality and design take center stage and free yourself to customize while maintaining continuity, connectivity and single source responsibility with Sto.

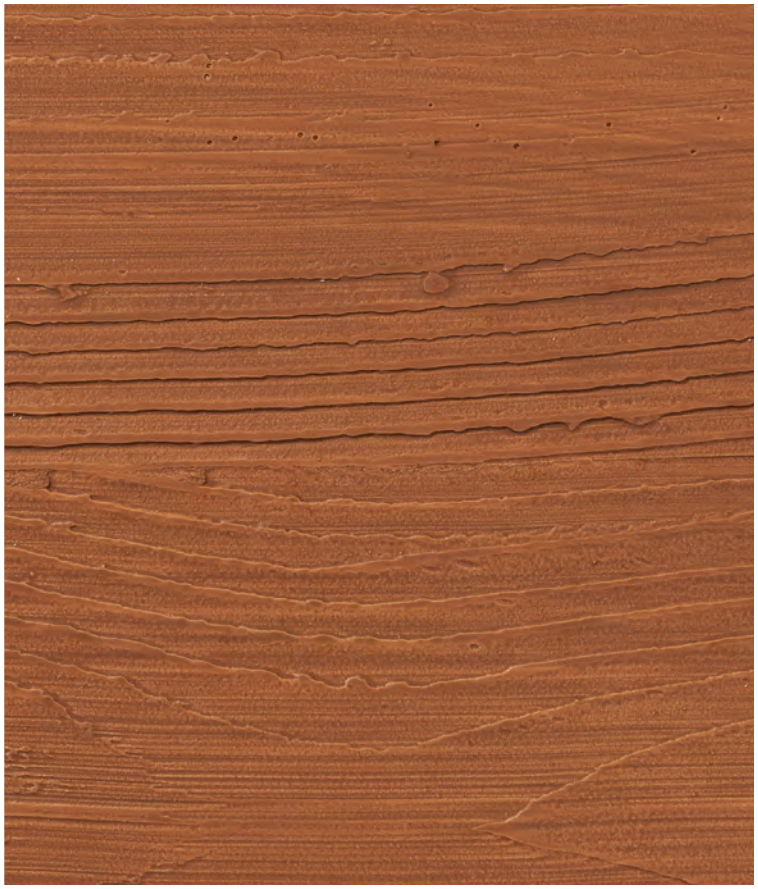


Brick 10

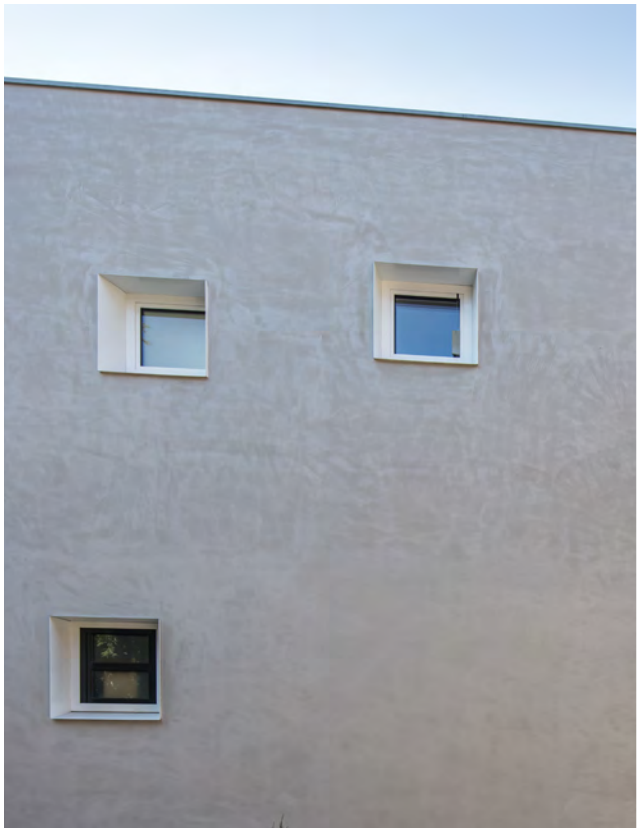
Stone 10







Wood 20



Fine 10

# StoSignature Impression

Finish has always been used as a material that can subtly evoke the impression of other materials. Tried-and-tested formulations for textures, effects and colors make it possible to create designs that leave a real impression – whether in the appearance of stone, brick, wood or concrete.

**Concrete 10-30**

A variety of concrete surface textures can be achieved with StoSignature Concrete. Smooth, textured and even formed concrete surface impressions are just some of the customizable finish surfaces made possible with StoSignature.

**Brick 10-30**

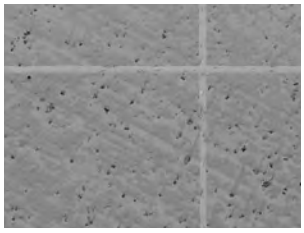
Achieve the timeless aesthetic of brick in a wide variety of customizable colors, sizes and textures. StoSignature Brick makes it easy to create your own custom brick finish surface.

**Stone 10-20**

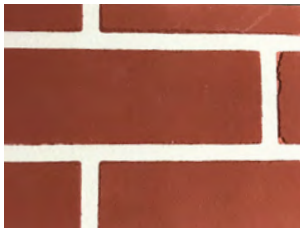
Stone provides an elegant aesthetic to a building either as an accent or as a primary facade component. StoSignature Stone allows you to create a variety of stone surface textures, ranging from a smooth limestone to a colorful granite.

**Wood 10-20**

Wood grained surface textures provide a natural looking aesthetic to a building facade. A variety of wood grained textures and colors can be created with StoSignature Wood including smooth, rough and knotted grains.



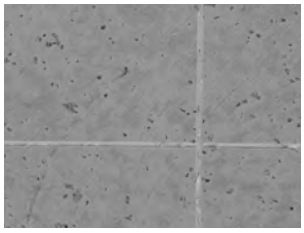
**Concrete 10**



**Brick 10**

**Stone 10**

**Wood 10**

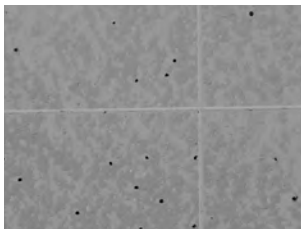


**Concrete 20**

**Brick 20**

**Stone 20**

**Wood 20**



**Concrete 30**

**Brick 30**

# StoSignature Texture

Stippled or rilled textures with varying aggregate sizes are common looks with finish material. Surface techniques significantly enhance the surface design options, allowing a limitless variety of textures to be created. Color effects added to the finish expand the visual appearance of the surface and give it an individual expression.

### Fine 10-30

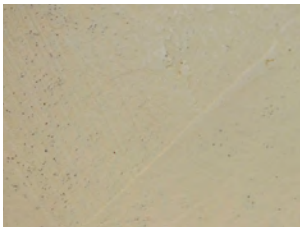
Achieve a variety of smooth surface aesthetics with StoSignature Fine. Textures range from completely smooth, to lightly grooved or softly textured.

### Rough 10-20

StoSignature Rough allows you to create a variety of rough finish surfaces, adding a dramatic effect to a building facade.

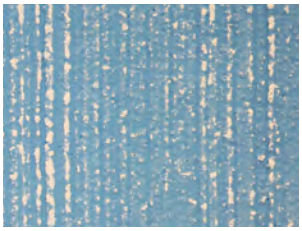
### Linear 10

A linear surface texture provides a surprising effect when combined with color and light.  StoSignature Linear uses a brush instead of a roller to achieve this unique aesthetic.



**Fine 10**

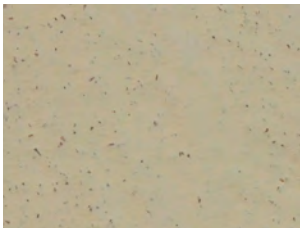
**Rough 10**



**Linear 10**

**Fine 20**

**Rough 20**



**Fine 30**

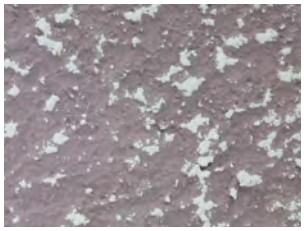
Linear 10

# StoSignature Color Effect

Subtly tinted or with bold colors, transparent or with a stain, the elaborate color system from Sto gives a great deal of freedom when it comes to color design. Our range of colors and application techniques allows you to create an endless variety of combinations of tone and texture accents that highlight the unique surface structure of the facade.

### Color Partial

StoSignature Color Partial is a technique that colors the raised areas of the texture providing a color accent that highlights the unique surface structure.



**Color Partial and Rough 10**

### Variegated

Achieving an antique, mottled or stained appearance on any surface is easy with StoSignature Variegated. The variegated effect allows you to create a rich variety of tones and textures, resembling natural stone, stained concrete or antique plaster.

**Variegated and Stone 10**

Brick 10

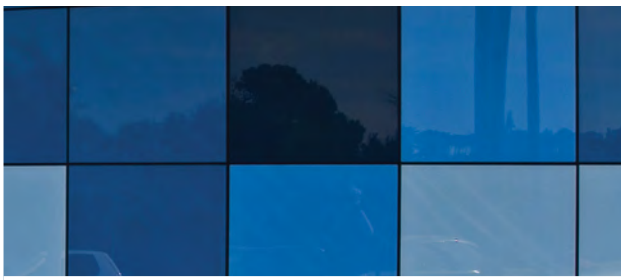
Color Partial and Rough 20

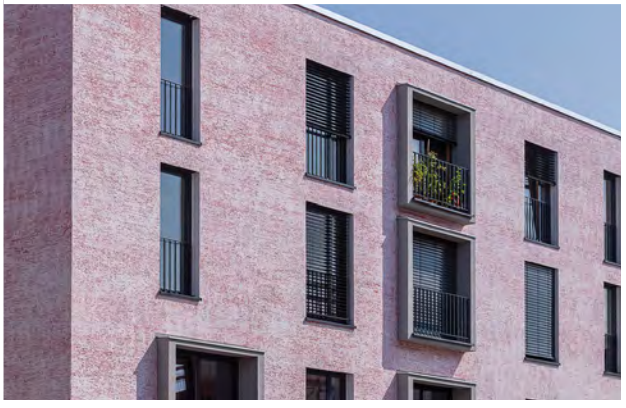
# The only limit is your imagination

Inspiration favors the open mind. With Sto, your creative exploration can take you anywhere. Our proven products give you unmatched freedom and the ability to achieve your vision in any color, any form, any texture, any material.

Regardless of what inspires you or fuels your passion, the right catalyst can transform your ideas into an astounding visual that captivates viewers and gets people talking. StoSignature delivers endless possibilities with the combination of textures, colors and effects. By creatively using StoSignature you can achieve individuality and uniqueness and leave your mark on any wall system. Through innovation, expertise, and a focus on aesthetics as well as performance, Sto is there wherever your inspiration leads.

Creativity Begins. **Sto Finishes.®**





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5930A 03/2021

## Lori Garcia

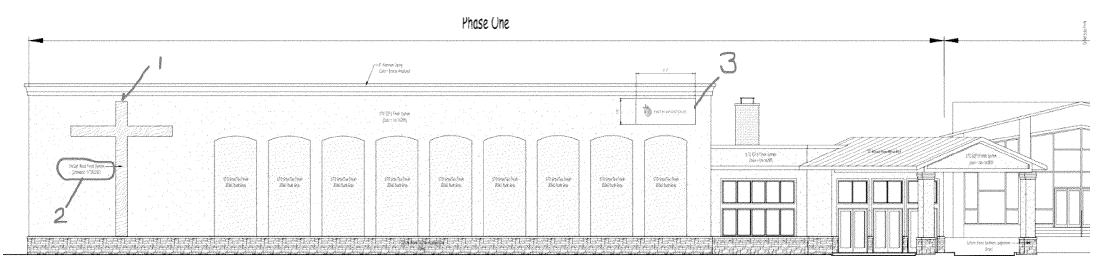
**From:** Christopher Kroner <ckroner@mass-group.org>
**Sent:** Thursday, April 10, 2025 11:14 PM
**To:**
**Cc:**
**Subject:** Architectural Review (Con't): 110 South Grand

**CAUTION:** This email originated from outside the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Dear City of Poughkeepsie Planning Board Members,
Following the architectural workshop held on January 28, 2025, several suggestions were made to refine the Grand Street façade to 110 South Grand Avenue. These revisions aim primarily to update the community center's identity to reflect the presence of a Christian congregation within the space.

One key topic that has emerged throughout the design process is the integration of a cross. Most recently, MASS proposed that the cross become a singular focal element, positioned closer in plan to the proposed pulpit. Additionally, we suggested transforming the decorative arcade into a design feature that relates more directly to the seating area of the congregation.

MASS received updated drawings on April 10, and below are our primary follow-up questions, which may also be of interest to the planning board. Notes on the Grand Street elevation are included with this correspondence to highlight key locations.




### New Cross Design

1. The gap at the top of the cross is visually unclear and may unintentionally encourage bird nesting or moisture retention. Could the cross be scaled up to meet the cornice line to address this?
2. The change in EIFS color surrounding the cross raises concerns about durability and sustainability. Would it be possible to consider alternative materials, such as Accoya wood—a sustainable, rot-resistant, resilient, and cost-effective option for exterior cladding?

### Signage

The "Faith Apostolic" sign appears somewhat small in scale.

1. Could more information be provided regarding the intended materials and installation method, especially given its placement within an EIFS surface?
2. Please confirm whether signage will be submitted under a separate application, or should be fully considered at this time?

Thank you to the design team for your continued work and thoughtful evolution of this project.
Sincerely,
Chris

**Christopher Kroner**
Principal
Direct: 845.243.3755
Office: 845.473.4003
Mobile: 540.270.4866

**MASS** | 2022 AIA Architecture Award

**MASS** | 2024 AIA COTE Top Ten Award

Links contained in this email have been replaced. If you click on a link in the email above, the link will be analyzed for known threats. If a known threat is found, you will not be able to proceed to the destination. If suspicious content is detected, you will see a warning.

# THE CITY OF POUGHKEEPSIE

## DEPARTMENT OF PUBLIC WORKS & ENGINEERING

### SITE PLAN REVIEW

Form #1

1. Date: April 17, 2024
2. Name of Site Plan: Proposed Compliance Plan
3. Address or Location: 110 South Grand Avenue
4. Owner: Faith Apostolic Ministries
5. Engineer/ Architect: Michael Berta / Joe Berger
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 and show on site plan iron rebar monumentation for property and easement corners along the right of way.
2. Show all existing and proposed utility services on site plan. Provide certification that existing water and sanitary sewer services are sufficient for development.
3. Provide details for proposed service connections if necessary. Details are available from the Engineering Department in pdf and AutoCAD format. Water valves are required at the main and property / curb line. All utility connections through the street must be delineated, hatched and edges shown as sawcut. Show traffic control plan for all connections.
4. Provide engineer's estimate for site work.
5. Show City 78" and NYSDOT 66" storm sewers on site plan at easement north of the building.
6. Provide a copy of the storm and sanitary sewer easement at north side of site. The easement was referenced in the pre-development drainage plan.
7. Show sanitary and water mains at Grand Avenue on site plan. Indicate diameters of mains on site plan.
8. A seating area north of the building is proposed in the storm water easement. Relocate outside of easement area.
9. Include note on site plan regarding attached sanitary sewer maintenance agreement. Indicate the referenced manholes and connecting pipes are to be maintained by the applicant.

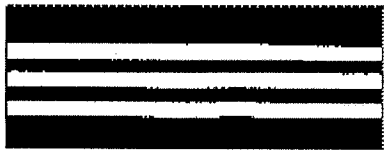
**SWPPP SITE PLAN REVIEW COMMENTS:**

1. Provide a copy of the completed NOI. We acknowledge questions 28-37 were included in appendices.
2. Identify sources of potential sources of contaminants in runoff.

3. Indicate party(ies) responsible for installing, constructing, repairing, replacing, inspecting and maintaining the E&SCs.
4. Identify location and sizing of any temporary sediment basins or structural practices planned to divert flows from soils, if applicable.
5. Provide soil testing results and locations of test pits and borings.
6. Provide infiltration test results. Certify proposed practices are adequate for onsite soil conditions.
7. Provide an O&M plan, including inspection and maintenance schedules. Identify the responsible entity.
8. Include contractor certification statements.
9. Provide documentation from NYS Historic Preservation Office that the project has no effect on property that is listed or eligible for listing on the State or National Register of Historic Places
10. Provide construction phasing plan & sequence of operations; Duration of Construction (from – to)
11. Include owner/operator inspection requirements.
12. Provide and enter into an agreement acceptable to City Corporation Counsel or provide deed restriction for O&M of stormwater management practices.
13. Append NOI acknowledgement letter and MS4 SWPPP acceptance form to SWPPP when received.
14. Verify proposed Cultech units are H20 traffic rated.

Joseph A. Chenier, CPESC/CPMSM
Assistant Civil Engineer

Note: If #6 or #7 above are checked "yes" there is no need to go on to Form #2.



# Dutchess County Clerk Recording Page

Record & Return To:

CITY OF POUGHKEEPSIE
OFFICE OF CORPORATION COUNSEL
62 CIVIC CENTER PLAZA, 3RD FL
POUGHKEEPSIE, NY 12601

Date Recorded: 1/5/2024
Time Recorded: 3:45 PM

Document #: 02 2024 55

Received From: CITY OF POUGHKEEPSIE

Grantor: FAITH APOSTOLIC MINISTRIES INC
Grantee: POUGHKEEPSIE CITY

Recorded In: Deed
Instrument Type: EASE

Tax District: City of Poughkeepsie

**Examined and Charged As Follows :**

| | |
|---|---|
| Recording Charge: | $60.00 |
| Transfer Tax Amount: | $0.00 |
| Includes Mansion Tax: | $0.00 |
| Transfer Tax Number: | 3113 |

Red Hook Transfer Tax:

RP5217: N
TP-584: Y

Number of Pages: 3

*** **Do Not Detach This Page**
*** **This is Not A Bill**

County Clerk By: ste
Receipt #: 678
Batch Record: 4

Bradford Kendall
County Clerk

02202455

p2 55 -
c/p 5. -
60 -

# MAINTENANCE EASEMENT FOR PRIVATELY OWNED MANHOLES

THIS EASEMENT, made this 13th day of MARCH, 2023, by **FAITH APOSTOLIC MINISTRIES INC.,** having its principal office at 110 South Grand Avenue, Poughkeepsie, New York 12601 (hereinafter referred to as the "GRANTOR") the **CITY OF POUGHKEEPSIE**, a municipal corporation organized pursuant to the laws of the State of New York, having its principal office at Municipal Building, 62 Civic Center Plaza, Poughkeepsie, New York 12601 (hereinafter referred to as the GRANTEE").

**WITNESSETH**:

**WHEREAS,** Grantor is the owner of certain property located in the City of Poughkeepsie, County of Dutchess and State of New York known as 110 South Grand Avenue, identified as tax grid number 131300-6161-49-620556 (the "Property"); and

**WHEREAS,** Grantor has received approval from the City for site plan approval dated JANUARY 18, 2023, and a condition of that approval is the satisfaction of comments from the City of Poughkeepsie Engineering Department; and

**WHEREAS,** pursuant to the recommendation of the City of Poughkeepsie Engineering Department, Grantor shall be responsible for the inspection and maintenance of the privately owned manholes located on the Property.

**NOW THEREFORE**, for valuable consideration received, the Grantor hereby agrees as follows:

1. Grantor does hereby grant unto Grantee, its successors and assigns forever, a perpetual easement and right-of-way (but Grantee shall have no obligation), to enter upon the Property in order to access manholes "2202", "2203", "2204" and "2190" at reasonable times and in reasonable manner for periodic inspection by Grantee to ensure that the Manholes are maintained in proper working condition. The Grantee is authorized, but not required, to undertake such steps as are reasonably necessary for the preservation, continuation or maintenance of the manholes at the Property in the event the Grantor or current owner has failed to maintain the Manholes, or has failed to undertake corrective action specified by the Grantee's Department of Engineering. The expense of such corrective action shall be assessed against the Property pursuant to the procedures set forth in an Agreement between the parties, executed contemporaneously herewith, titled "Agreement to Inspect and Maintain Privately Owned Manholes."

2. Grantor hereby covenants that the Grantor is seized of the Premises in fee simple and has good right to convey this Easement; shall do nothing in the Premises which would prevent, impede or disturb the full use and intended purpose of this Easement by the Grantee; and shall execute and deliver any further documents reasonably necessary to assure the Easement granted herein to the Grantee.

3. This Easement shall be recorded, shall be deemed a covenant running with the lands affected hereby, and shall inure to the benefit of and be binding upon the Grantor, all subsequent owners, and their successors and assigns.

IN WITNESS WHEREOF, the Grantor has executed this Easement as of the dated first herein above set forth.

FAITH APOSTOLIC MINISTRIES INC.

By: _____
Name: TANISHA CLARK
Title: Secretary

STATE OF NEW YORK )
COUNTY OF DUTCHESS )

On the 14th day of DECEMBER, in the year 2023, before me, the undersigned, personally appeared TANISHA CLARK, personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his capacity, and that by his signature on the instrument, the individual or person upon behalf of which individual acted, executed the instrument.

_____
NOTARY PUBLIC

NANCY L.B. GRIFFIN
NOTARY PUBLIC, State of New York
Reg. No. 4855909
Qualified in Ulster County
Commission Expires March 31, 2026

Record & Return to:
CITY OF POUGHKEEPSIE
Office of Corporation Counsel
62 Civic Center Plaza, 3rd Floor
Poughkeepsie, NY 12601

# THE CITY OF POUGHKEEPSIE, NEW YORK

**PLANNING BOARD**
**DRAFT RESOLUTION**
**MAY 28, 2025**
**110 SOUTH GRAND AVENUE**

**Present:** **Excused:** **Absent:**

WHEREAS, the Planning Board has received a site plan and special permit application from Faith Apostolic Ministries Inc. relative to the construction of an addition to a church and a renovation of a youth center at 110 South Grand Avenue, File #2023-067; and,

WHEREAS, this application has been classified as an Unlisted Action for the purposes of SEQRA; and,

WHEREAS, the action is more fully detailed on a site plan and elevations prepared by Michael R. Berta, AIA, dated 2/27/25, and supplemental documentation; and,

WHEREAS, on February 13, 2024, the Zoning Board of Appeals granted a variance regarding the location of off-street parking; and,

WHEREAS, at the April 23rd, 2024 meeting the Planning Board a public hearing was held and closed; and,

WHEREAS, at the April 23, 2024 meeting the Planning Board as Lead Agency of the SEQRA review adopted a Negative Declaration in accordance with Article 8 of the Environmental Conservation Law and 6 NYCRR 617 and City Code 19-6.4 and 19-4.17; 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 and special permit approval relative to the relative to the construction of an addition to a church and a renovation of a youth center, with the following conditions:

- All City Department comments be addressed to those departments' satisfaction.
- A fully executed parking agreement with Temple Beth-El at 118 South Grand Avenue be filed with the City Development Department.

Motion:
Second:
Carried:

_____
Anne Saylor, Planning Board Chair

_____
Date

# THE CITY OF POUGHKEEPSIE
# NEW YORK
## ZONING BOARD OF APPEALS

62 CIVIC CENTER PLAZA, 2ND FLOOR
POUGHKEEPSIE, NY 12601
Phone: (845) 451-4263 Fax: (845) 451-4006

FEE: $350
CODE: A2112
ID#:_____
IPS#_____

## *AREA* VARIANCE APPLICATION

**PROPERTY ADDRESS:** Cottage Street, Poughkeepsie, NY Tax ID:131300-6162-72-452173-0000

**ZONING DISTRICT:** MU3 (Mixed Use)

**OWNER INFORMATION:**

Name: Cardinal Assets Twenty Fourteen LLC c/o Jim Sullivan
Address: P.O Box 305, Pawling, NY 12564
Phone: 845-380-1448
Email: JSullivanCorp@gmail.com

**APPLICANT INFORMATION:**

Name: Cardinal Assets Twenty Fourteen LLC c/o Jim Sullivan
Address: P.O Box 305, Pawling, NY 12564
Phone: 845-380-1448
Email: JSullivanCorp@gmail.com

**CONSULTANT INFORMATION:**

Name: LRC Engineering & Surveying, DPC
Address: 85 Civic Center Plaza, Suite 204
Phone: 845-243-2880
Email: kcasamento@lrcconsult.com

**SUBJECT OF APPEAL**

This application relative to the above referenced property constitutes an appeal from the decision, determination or violation of an official of the City of Poughkeepsie.

Name and title of agent: Judith Knauss, Deputy Zoning Administrator

Date of decision/determination/violation: April 2, 2025

***Please note that a copy of the communication must be attached with this application.***

Revised 12/24: Previous Editions Obsolete

ZONING BOARD OF APPEALS AREA VARIANCE APPLICATION

**PROPERTY ADDRESS:** Cottage Street, Poughkeepsie, NY Tax ID 131300-6162-72-452173-0000

## AREA VARIANCE REQUESTS

All sections under this heading must be answered completely. Bear in mind that a variance is actually relief from the strict application of the requirements of the law (the Zoning Ordinance), and the Zoning Board of Appeals is required to give sound reasons, based on the criteria set forth in this application, for granting any such relief.

| SECTION | REQUIRING/PROHIBITING | REQUESTED VARIANCE |
|---|---|---|
| 19-3.1(2)(e) | Parking setback minimum of 10 ft from second st property line | 1.8 ft variance requested |
| 19-3.1(2)(f) | Parking setback minimum of 10ft from any side property line | 7 ft variance requested |
| 19-6.2(11) | 17 off-street parking required for residential/beverage uses | 6 space variance requested |
| | | |
| | | |

**VARIANCE REQUEST JUSTIFICATION**

Pursuant to Section 19-9.10(11)(c) of the Zoning Ordinance, the Zoning Board of Appeals, in making its determination, shall take into consideration the benefit to the applicant if the variance is granted, as weighed against the detriment to the health, safety and welfare of the neighborhood or community by such granting.

Bear in mind that a variance is actually relief from the strict application of the requirements of the law (the Zoning Ordinance), and the Zoning Board of Appeals is required by law to give sound reasons, based on the criteria set forth in this application, for granting any such relief. **Please note that it is therefore incumbent upon the applicant to demonstrate to the Board that the criteria for the granting of the variance(s) are satisfied.**

Responses to the following questions shall be attached to and submitted with the application.

1) Will the granting of the variance produce an undesirable change in the character of the neighborhood or be a detriment to nearby properties? If not, please explain why.

2) Can the benefit sought be achieved by some other method feasibly for the applicant to pursue, other than an area variance? Identify what alternatives to the variance, if any, have been explored (for example, alternative designs, purchasing of contiguous properties, etc.). Why is the variance necessary?

3) Is/are the requested area variance(s) substantial? Explain why they are not substantial.

4) Will the variance(s) have an adverse affect or impact on the physical or environmental conditions in the neighborhood or district? Why not?

5) Is the need for the area variance(s) the result of self-created difficulties on your part, or unique to the property? Explain.

ZONING BOARD OF APPEALS AREA VARIANCE APPLICATION

**PROPERTY ADDRESS:** Cottage Street, Poughkeepsie, NY Tax ID 131300-6162-72-452173-0000

**AREA VARIANCE REQUESTS**

LIST OF REQUIRED ATTACHMENTS

1. Letter or communication which resulted in application to the ZBA.
2. Site or Plot Plan: Nine (9) copies.
3. Color photos of site conditions: Nine (9) copies
4. Complete Short EAF
5. Electronic file submission of the plot plan and color photos
6. Other attachments deemed pertinent by the applicant (please list):

_____

_____

_____

_____

SIGNATURE AND VERIFICATION

Please be advised that no application can be deemed complete unless signed below.

THE APPLICANT HEREBY STATES THAT ALL INFORMATION GIVEN IS ACCURATE AS OF THE DATE OF APPLICATION. THE APPLICANT, IF NOT THE OWNER OF THE PROPERTY, HEREBY SWEARS THAT THIS APPLICATION IS MADE WITH THE INFORMED KNOWLEDGE AND CONSENT OF THE OWNER.

SIGNATURE OF APPLICANT

04/04/2025
DATE

James J Sullivan
Print Name

Revised 12/24: Previous Editions Obsolete

JSullivan Corporation

April 4, 2025

City of Poughkeepsie Zoning Board of Appeals
62 Civic Center Plaza
Poughkeepsie, NY 12601

Dear Members of the Zoning Board of Appeals,

Enclosed, please find the application and accompanying project documents for a proposed mixed-use development located at the corner of Cottage St and Morgan St.

Over the past several months, we have worked diligently on the design of this project and with Judith from the Planning Department to refine and revise this project. Initially requiring nearly a dozen variances, the design has been carefully adjusted to reduce this number to three while maintaining the feasibility and integrity of the development.

As part of this application, we are requesting a variance for parking requirements. The beverage manufacturing component of the project is intended to operate with only one employee, despite the zoning code specifying a need for seven spaces. Additionally, we believe the parking uses will be complementary in nature, as the manufacturing operations primarily occur during the day, while most residential parking demand arises in the evenings. This symbiotic relationship further supports the feasibility of the proposed parking plan.

Our team has a long-standing commitment to the City of Poughkeepsie, with over 15 years of successfully completed projects that have contributed to the city's growth and revitalization. We also have several projects currently in the pipeline, reinforcing our dedication to fostering vibrant, well-designed developments in Poughkeepsie.

We believe this project will contribute positively to the neighborhood and align with the MU-3 zoning district's vision by introducing a balanced mix of residential and commercial use between the adjacent residential and industrial zoning. We are confident it will enhance the character of the area and bolster ongoing revitalization efforts in the city.

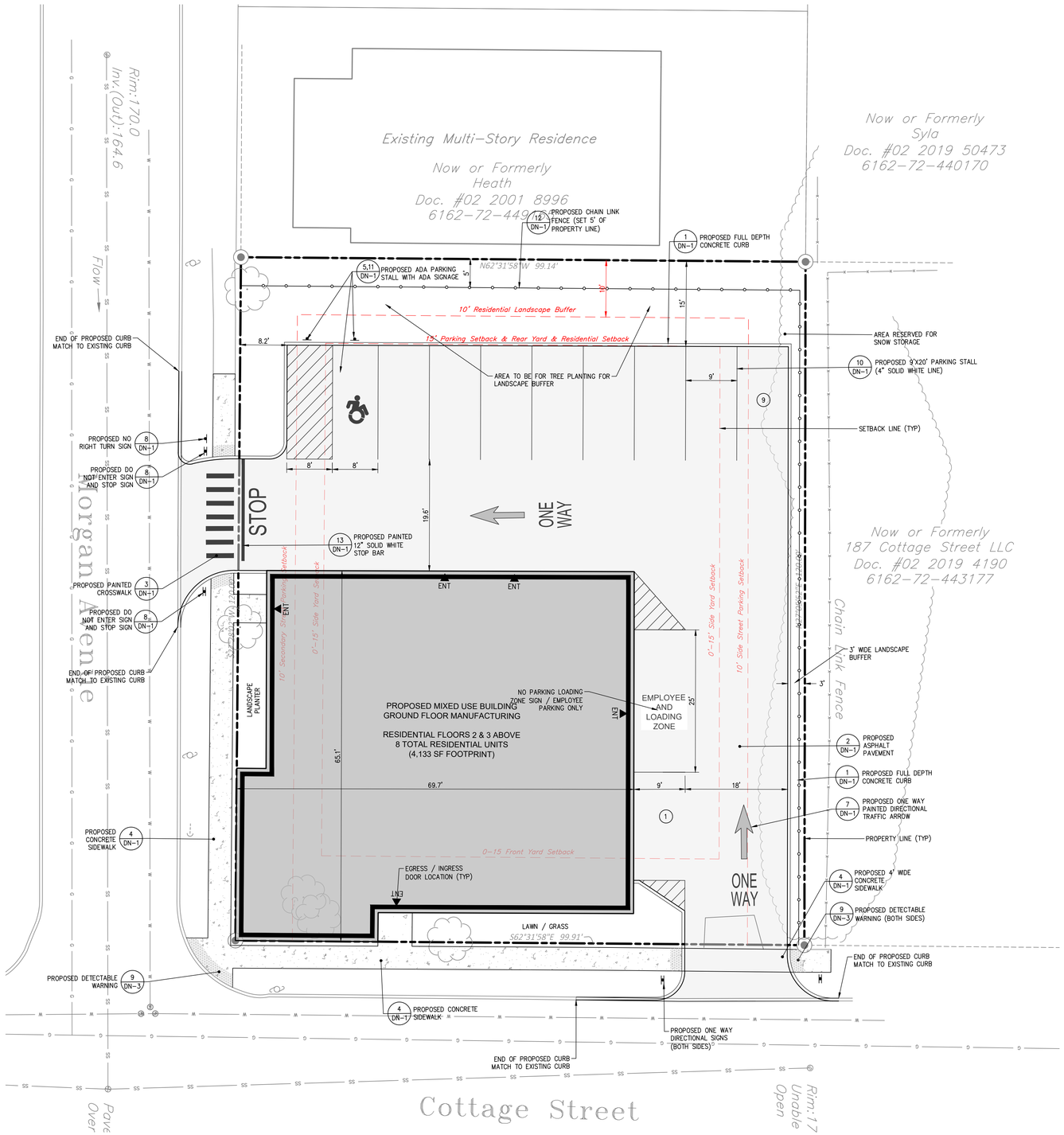
Thank you for your consideration, and we welcome the opportunity to discuss this project in further detail.

Sincerely,

James J Sullivan
Managing Member
Cardinal Assets Twenty Fourteen LLC

PO Box 38
Chelsea, NY 12512

Tel: 845-380-1448
jsullivancorp@gmail.com




## GENERAL NOTES

1. ALL CONSTRUCTION SHALL COMPLY WITH CITY OF POUGHKEEPSIE REQUIREMENTS AND SPECIFICATIONS.
2. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS REQUIRED BY GOVERNMENT AGENCIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL POST ALL BONDS, PAY ALL FEES, PROVIDE PROOF OF INSURANCE AND PROVIDE TRAFFIC CONTROL NECESSARY FOR THIS WORK.
3. REFER TO OTHER PLANS AND DETAIL SHEETS FOR ADDITIONAL INFORMATION. THE CONTRACTOR SHALL VERIFY ALL SITE CONDITIONS IN THE FIELD AND CONTACT THE SITE ENGINEER IF THERE ARE ANY QUESTIONS OR CONFLICTS REGARDING THE CONSTRUCTION DOCUMENTS AND/OR FIELD CONDITIONS SO THAT APPROPRIATE REVISIONS CAN BE MADE PRIOR TO BIDDING. ANY CONFLICT BETWEEN DRAWINGS AND THE SPECIFICATIONS SHALL BE CONFIRMED WITH THE LOCAL CONSTRUCTION MANAGER PRIOR TO BIDDING.
4. REFER TO THE DETAIL SHEETS FOR PAVEMENT, CURBING, AND SIDEWALK INFORMATION.
5. ALTERNATIVE METHODS AND PRODUCTS OTHER THAN THOSE SPECIFIED MAY BE USED IF REVIEWED AND APPROVED BY THE SITE ENGINEER, AND THE APPROPRIATE REGULATORY AGENCIES PRIOR TO INSTALLATION.
6. THE CONTRACTOR SHALL RESTORE ANY OF THE FOLLOWING IF THEY ARE NOTED TO REMAIN: UTILITY STRUCTURE, PIPE, UTILITY, PAVEMENT, CURBS, SIDEWALKS, OR LANDSCAPED AREAS DISTURBED DURING CONSTRUCTION TO THEIR ORIGINAL CONDITION OR BETTER TO THE SATISFACTION OF THE CITY OF POUGHKEEPSIE.
7. TRAFFIC CONTROL MEASURES SHALL BE UTILIZED IN ACCORDANCE WITH CITY OF POUGHKEEPSIE.
8. PAVEMENT MARKINGS SHALL BE FAST DRYING TYPE IN ACCORDANCE WITH CITY OF POUGHKEEPSIE SPECIFICATIONS.
9. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF ALL PRODUCTS, MATERIALS AND PLANT SPECIFICATIONS TO THE SITE ENGINEER AND OWNER FOR REVIEW AND APPROVAL PRIOR TO FABRICATION OR DELIVERY TO THE SITE. ALLOW A MINIMUM OF 14 WORKING DAYS FOR REVIEW. APPROVED SHOP DRAWINGS WILL BE PROVIDED BY THE ENGINEER AND COPIED TO THE CITY OF POUGHKEEPSIE.
10. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TRAFFIC DEVICES FOR PROTECTION OF VEHICLES AND PEDESTRIANS CONSISTING OF DRUMS, BARRIERS, SIGNS, LIGHTS, FENCES AND UNIFORMED TRAFFIC MEN AS REQUIRED OR ORDERED BY THE ENGINEER OR REQUIRED BY THE LOCAL GOVERNING AUTHORITIES. CONTRACTOR SHALL MAINTAIN ALL TRAFFIC LANES AND PEDESTRIAN WALKWAYS AT ALL TIMES UNLESS WRITTEN APPROVAL FROM THE CITY AND GOVERNING AUTHORITIES IS GRANTED.
11. THE PROJECT DRAWINGS ARE GENERALLY DIAGRAMMATIC IN INDICATING THE PRESENCE OF EXISTING UNDERGROUND UTILITIES. INFORMATION ON EXISTING UTILITIES HAS BEEN COMPILED FROM AVAILABLE INFORMATION INCLUDING UTILITY COMPANY AND MUNICIPAL RECORD MAPS AND FIELD SURVEY AND IS NOT GUARANTEED TO BE CORRECT OR COMPLETE. UTILITIES ARE SHOWN TO ALERT THE CONTRACTOR OF THEIR PRESENCE AND THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DETERMINING ACTUAL LOCATIONS AND ELEVATIONS OF ALL UTILITIES AND SERVICES. WHEN THE UTILITIES ARE TO BE LEFT IN PLACE, THE CONTRACTOR SHALL PROVIDE ADEQUATE MEANS OF SUPPORT AND PROTECTION DURING THE EXCAVATION AND BACKFILLING OPERATIONS.
12. PRIOR TO DEMOLITION OR CONSTRUCTION THE CONTRACTOR SHALL CONTACT "CALL BEFORE YOU DIG" AT 1-800-962-7962 AT LEAST 72 HOURS BEFORE COMMENCEMENT OF WORK TO VERIFY ALL UTILITY LOCATIONS. CONTRACTOR SHALL NOT INTERRUPT EXISTING UTILITIES SERVICING FACILITIES OCCUPIED AND USED BY THE OWNER OR OTHERS DURING OCCUPIED HOURS.
13. IF ANY UNCHARTED OR INCORRECTLY CHARTED EXISTING PIPING OR OTHER UTILITY IS UNCOVERED DURING EXCAVATION, THE CONTRACTOR SHALL CONSULT THE SITE ENGINEER IMMEDIATELY FOR DIRECTIONS BEFORE PROCEEDING FURTHER WITH THE WORK.
14. STORAGE OF FLAMMABLE AND HAZARDOUS MATERIALS SHALL BE IN COMPLIANCE WITH THE NYS FIRE AND BUILDING CODE.
15. CONTRACTOR TO PROVIDE SITE ENGINEER WITH SUBMITTALS. ONCE APPROVED, COPIES WILL BE SUPPLIED TO CITY ENGINEER AND APPROPRIATE CITY DEPARTMENTS.
16. NO HERBICIDES OR PESTICIDES WILL BE USED DURING THE OPERATION OF THE SITE.
17. A SPRINKLER SYSTEM SHALL BE INSTALLED IN THE BUILDING IN ACCORDANCE WITH NPFA AND THE NYS FIRE CODE 2020.

## SIGN LEGEND

| NO. | LEGEND | QTY. |
|---|---|---|
| A | STOP R1-1 30"X30" | 2 |
| B | RESERVED PARKING 12"X18" | 1 |
| C | NO PARKING ANYTIME NYP1-2 (12"X18") | 1 |
| D | DO NOT ENTER R5-1 30"X30" | 2 |
| E | 36"X12" ONE WAY R6-1L | 2 |
| F | 36"X12" ONE WAY R6-1R | 2 |
| G | NO PARKING LOADING ZONE R7-6 12"X18" EMPLOYEE PARKING ONLY | 1 |
| H | R3-1 24"X24" | 1 |

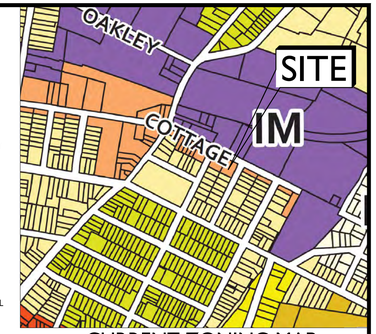
NOTE: SIGNAGE TO BE CONSISTENT WITH TOWN/STATE AND MUTCD STANDARDS

## LEGEND

- EXISTING PROPERTY LINE
- EXISTING EASEMENT LINE
- BUILDING SETBACK LINE
- PROPOSED ASPHALT SURFACE
- PROPOSED CONCRETE SIDEWALK
- PROPOSED CONCRETE CURB
- PROPOSED EDGE OF BITUMINOUS PAVEMENT
- PROPOSED SIGN
- PROPOSED DOOR LOCATION
- PROPOSED CONCRETE PAVERS
- PROPOSED CROSSWALK

## SURVEY MAP REFERENCE

EXISTING CONDITIONS BASE SURVEY TAKEN FROM PLAN ENTITLED "MAP OF SURVEY PREPARED FOR CARDINAL ASSETS TWENTY FOURTEEN, LLC" DATED APRIL 11, 2024 BY BRENDAN JOHNSON, PLS# 50919




## CURRENT ZONING MAP

SCALE:1"=100'

## ZONING SUMMARY TABLE

| | | |
|---|---|---|
| TAX MAP IDENTIFICATION | 131300-6162-72-452173-0000 | |
| PARCEL SIZE | 0.27 Acres | |
| ZONING DISTRICT | MU3 (Mixed Use 3) | |
| PROPOSED USE | MULTI-USE DEVELOPMENT | |
| | | |
| ITEM | REQUIRED | PROPOSED |
| LOT AREA AND COVERAGE | | |
| LOT AREA | N/A* | 0.27 Acres |
| LOT WIDTH | N/A | 99.91 Feet |
| LOT COVERAGE (MAX) | 80%** | 79.90% |
| PARKING LOCATION & ACCESS | | |
| PRIMARY STREET YARD | NOT PERMITTED | N/A |
| SECONDARY STREET YARD (MIN) | 10 FT | 8.2 Feet (#) |
| SIDE YARD SETBACK (MIN) | 10 FT *** | 3 Feet (#) |
| REAR YARD SETBACK (MIN) | 15 FT | 15 Feet |
| DRIVEWAY WIDTH (MAX) | 20 FT | 19.1 Feet |
| PRIMARY BUILDING SETBACKS | | |
| PRIMARY STREET SETBACK (MIN/MAX) | 0 / 15 FT | 0 Feet |
| MIN. BUILD-TO FRONTAGE | 60% | 65.05% |
| SECONDARY STREET SETBACK (MIN/MAX) | 0 / 15 FT | 0 Feet |
| MIN. BUILD-TO FRONTAGE | 40% | 65% |
| SIDE SETBACK (MIN) | 0 FT | 0 Feet |
| ABUTTING A RESIDENTAL LOT LINE | 15 FT | N/A |
| REAR SETBACK (MIN) | 15 FT | 52.4 Feet |
| ABUTTING A RESIDENTAL LOT LINE | 15 FT | 52.4 Feet |
| HEIGHT | | |
| BASE HEIGHT | 3 STORIES / 42 FT | 42 Feet |
| MINIMUM HEIGHT | 22FT | 42 Feet |
| WIDTH | | |
| PRIMARY STREET FACING BLDG WIDTH (MAX) | 225 FT | 65 Feet |
| ENTRANCE | | |
| DISTANCE BETWEEN ST - FACING ENTRANCES (MAX) | 50 FT | N/A |
| TRANSPARANCY | | |
| GROUND STORY (MIN) | | |
| RESIDENTIAL | 40% | N/A |
| NON-RESIDENTIAL - PRIMARY STREET | 60% | 63.70% |
| NON-RESIDENTIAL - SECONDARY STREET | 40% | 56.90% |
| UPPER STORY (MIN) | 25% | 25% |

* Refer to RNC lot area requirements for residential properties

** Includes all impervious surface

*** Side yard parking shall be setback at least 5 ft from the front of the principal building on the same lot

(#) VARIANCE REQUIRED

| OFF STREET PARKING | | |
|---|---|---|
| USE | REQUIRED | PROPOSED |
| MULTI-FAMILY | 1.25 SPACES / DWELLING UNIT = 1.25 X 8 UNITS=10 | 10 |
| LIGHT MANUFACTURING | 1 SPACE/ 400 SF OF GFA (2,675 / 400=6.68 OR 7 SPACES REQUIRED) | 1<br>TOTAL PROVIDED 11 SPACES(#) |

REQUIRED 17 SPACES
VARIANCE REQUIRED FOR 6 PARKING SPACES

## INTERIOR LANDSCAPE REQUIREMENT

Interior Landscaping Code requirement 7%

Provided
Drive Aisle (includes Parking) (5761 SF)
Landscape Buffer (1872 SF)

Total 1872 / 5761=0.325 x 100=32.5%-exceeds 7% Requirement

## LOT COVERAGE CALCULATION

Maximum lot coverage (80%)
Parcel area=11,761.2 SF

Open space (Landscaping)

1873+310+160+21=2,364 SF

2,364 / 11,761.2=0.209=20.1% Open space and 79.9% Hard Surface

NOTES:

1. NO WATERCOURSE, MARSHES, WOODED AREAS, ROCK OUTCROPS, ARE PRESENT AT THE SITE.
2. NO FEMA FLOOD PLAINS ARE LOCATED AT THE SITE.
3. NO EXISTING OR PROPOSED EASEMENTS, DEED RESTRICTIONS, CONVENTS RIGHTS OF WAY, RESERVATIONS, REARS TO DEDICATION TO PUBLIC USE AND ANY PUBLIC IMPROVEMENTS CONTEMPLATED ON OR ADJOINING PROPERTIES ARE ASSOCIATED WITH THE PROPOSED PROJECT.

GRAPHIC SCALE
10 5 0 10
SCALE IN FEET

STATE OF NEW YORK · MOONEY E. MORRISON · 074194 · LICENSED PROFESSIONAL ENGINEER

| No. | Date | Revisions |
|---|---|---|
| 1. | 2025-03-19 | SITE LAYOUT / BUILDING MODFICATIONS |
| 2. | 2025-04-07 | ZBA SUBMISSION FOR VARIANCES |


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 204
Poughkeepsie NY 12601
Tel: 845.243.2880

1000 Wyckoff Avenue, 3rd Floor
Mahwah, NJ 07430
Tel: 908.603.5730

www.lrcconsult.com

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


# SITE PLAN

## MIXED USE DEVELOPMENT

COTTAGE ST. & MORGAN AVE.
CITY OF POUGHKEEPSIE, DUTCHESS COUNTY, NEW YORK

| | | | | |
|---|---|---|---|---|
| Design/Calcs | BLS | CAD File | SP24325101.dwg | Sheet No. |
| Drawn | SMC | Project No. | 24-3251 | SP-1 |
| Checked | KFC | Date | 2024-12-20 | SHEET 2 OF 12 |
| Approved | REM | Scale | 1"=10' | |

X:\JOBS\Jobs 2024\24-3251 - James Sullivan- Cottage St - Poughkeepsie, NY\DWG\SP24325101.dwg 4/4/2025 10:13 AM SCurran

K:\JOBS\Jobs 2024\24-3251 - James Sullivan- Cottage St - Poughkeepsie, NY\DWG\EL24325101.dwg 12/19/2024 1:41 PM Scurran

LRC GROUP

- Land Planning
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www.lrcconsult.com

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

Revisions

# FRONT ELEVATION

## MIXED USE DEVELOPMENT

COTTAGE ST. & MORGAN AVE.
CITY OF POUGHKEEPSIE, DUTCHESS COUNTY, NEW YORK

| | | | | |
|---|---|---|---|---|
| Design/Calcs | BLS | CAD File | EL24325101.dwg | Sheet No. |
| Drawn | SMC | Project No. | 24-3251 | EL-1 |
| Checked | KFC | Date | 2024-12-20 | SHEET 9 OF 12 |
| Approved | REM | Scale | NTS | |

Revisions

LRC GROUP

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

160 West Street, Suite E
Cromwell, CT 06416
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1000 Wyckoff Avenue, 3rd Floor
Mahwah, NJ 07430
Tel: 908.603.5730

www.lrcconsult.com

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

# SIDE ELEVATION

## MIXED USE DEVELOPMENT

COTTAGE ST. & MORGAN AVE.
CITY OF POUGHKEEPSIE, DUTCHESS COUNTY, NEW YORK

| | | | | |
|---|---|---|---|---|
| Design/Calcs | BLS | CAD File | EL24325102.dwg | Sheet No. |
| Drawn | SMC | Project No. | 24-3251 | EL-2 |
| Checked | KFC | Date | 2024-12-20 | |
| Approved | REM | Scale | AS NOTED | SHEET10 OF 12 |

X:\JOBS\Jobs 2024\24-3251 - James Sullivan- Cottage St.- Poughkeepsie, NY\DWG\EL24325102.dwg 12/19/2024 1:42 PM SCurran

## Instructions for Completing Part 1

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

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

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

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

| | | |
|---|---|---|
| Name of Action or Project:<br>Cottage Street - Mixed Use | | |
| Project Location (describe, and attach a general location map):<br>Cottage Street, Poughkeepsie, NY, Tax ID:131300-6162-72-452173-0000 | | |
| Brief Description of Proposed Action (include purpose or need):<br>Proposed 3-story mixed use with 2,675 SF brewery manufacturing on the ground floor and eight apartment units (10 bedrooms total) on the floors above with associated parking. | | |
| Name of Applicant/Sponsor:<br>Cardinal Assets Twenty Fourteen LLC c/o Jim Sullivan | Telephone: 845-380-1448<br>E-Mail: JSullivanCorp@gmail.com | |
| Address: P.O Box 305 | | |
| City/PO: Pawling | State: NY | Zip Code: 12564 |
| Project Contact (if not same as sponsor; give name and title/role):<br>Kenneth Casamento | Telephone: 845-243-2880<br>E-Mail: kcasamento@lrcconsult.com | |
| Address:<br>85 Civic Center Plaza, Suite 204 | | |
| City/PO:<br>Poughkeepsise | State:<br>NY | Zip Code:<br>12601 |
| Property Owner (if not same as sponsor): | Telephone:<br>E-Mail: | |
| Address: | | |
| City/PO: | State: | Zip Code: |

**B. Government Approvals**

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

| Government Entity | If Yes: Identify Agency and Approval(s) Required | Application Date (Actual or projected) |
|---|---|---|
| a. City Counsel, Town Board, or Village Board of Trustees ☐Yes ☑No | | |
| b. City, Town or Village Planning Board or Commission ☑Yes ☐No | Planning Board - site plan approval | April 2025 |
| c. City, Town or Village Zoning Board of Appeals ☑Yes ☐No | ZBA | April 2025 |
| d. Other local agencies ☑Yes ☐No | Poughkeepsie Industrial Development Agency | TBD |
| e. County agencies ☑Yes ☐No | DC 239M | TBD |
| f. Regional agencies ☐Yes ☑No | | |
| g. State agencies ☑Yes ☐No | OPRHP - SHPO | TBD |
| h. Federal agencies ☐Yes ☑No | | |

i. Coastal Resources.

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

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

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

**C. Planning and Zoning**

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

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

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

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

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

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

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

If Yes, identify the plan(s):

_____

_____

_____

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

If Yes, identify the plan(s):

_____

_____

_____

**C.3. Zoning**

a. Is the site of the proposed action located in a municipality with an adopted zoning law or ordinance. ☑ Yes ☐ No
If Yes, what is the zoning classification(s) including any applicable overlay district?
MU3 (Mixed Use)

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

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

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

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

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

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

d. What parks serve the project site?
None

**D. Project Details**

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

a. What is the general nature of the proposed action (e.g., residential, industrial, commercial, recreational; if mixed, include all components)? Mixed Use residential

b. a. Total acreage of the site of the proposed action? 0.27 acres
b. Total acreage to be physically disturbed? 0.27 acres
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? 0.27 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: _____ 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 | | | | 8 |
| At completion of all phases | | | | 8 |

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

If Yes,

*i.* Total number of structures 1

*ii.* Dimensions (in feet) of largest proposed structure: 47' height; 65' width; and 78' length

*iii.* Approximate extent of building space to be heated or cooled: 16,480 square feet

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

If Yes,

*i.* Purpose of the impoundment: _____

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

_____

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

_____

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

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

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

_____

**D.2. Project Operations**

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

If Yes:

*i* .What is the purpose of the excavation or dredging? _____

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

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

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

_____

_____

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

If yes, describe. _____

_____

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

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

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

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

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

_____

_____

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

If Yes:

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

_____

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

_____

_____

_____

_____

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

If Yes, describe: _____

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

If Yes:

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

_____

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

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

_____

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

If Yes:

*i.* Total anticipated water usage/demand per day: 1,180 gallons/day

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

If Yes:

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

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

If Yes:

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

_____

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

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

If, Yes:

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

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

_____

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

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

If Yes:

*i.* Total anticipated liquid waste generation per day: 1,180 gallons/day

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

_____

_____

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

If Yes:

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

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

If Yes:

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

_____

_____

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

If Yes:

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

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

_____

_____

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

_____

_____

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

If Yes:

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

_____ Square feet or _____ acres (impervious surface)

_____ Square feet or _____ acres (parcel size)

*ii.* Describe types of new point sources. _____

_____

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

_____

_____

- If to surface waters, identify receiving water bodies or wetlands: _____

_____

_____

- Will stormwater runoff flow to adjacent properties? ☐ Yes ☐ No

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

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

If Yes, identify:

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

_____

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

_____

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

_____

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

If Yes:

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

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

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

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

If Yes:

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

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

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

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

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

If Yes:

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

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

*iii.* Parking spaces: Existing 0 Proposed 10 Net increase/decrease +10

*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: _____

TBD for Building usage

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

Central Hudson Gas & Electric

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

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

*i.* During Construction:

- Monday - Friday: 6:30AM - 9PM
- Saturday: _____
- Sunday: _____
- Holidays: _____

*ii.* During Operations:

- Monday - Friday: 24 hours
- Saturday: 24 hours
- Sunday: 24 hours
- Holidays: TBD

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

If yes:

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

Ambient noise levels will be exceeded during the construction period but limited to ordinance hours between 6:30AM-9PM weekdays

*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:

Dark sky compliant building mounted lighting

*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: TBD tons per _____ (unit of time)
- Operation : Household /retail waste 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: remnant construction materials
- Operation: recycling operation - comply with city and county regulations

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

- Construction: state and/or federal disposal facility
- Operation: state and/or federal disposal facility

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): _____

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

_____

b. Land uses and covertypes on the project site.

| Land use or Covertype | Current Acreage | Acreage After Project Completion | Change (Acres +/-) |
|---|---|---|---|
| • Roads, buildings, and other paved or impervious surfaces | 0.004 | 0.25 | +0.246 |
| • Forested | 0 | | |
| • Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural) | 0 | | |
| • Agricultural (includes active orchards, field, greenhouse etc.) | 0 | | |
| • Surface water features (lakes, ponds, streams, rivers, etc.) | 0 | | |
| • Wetlands (freshwater or tidal) | 0 | | |
| • Non-vegetated (bare rock, earth or fill) | 0 | | |
| • Other Describe: Grass/lawn | 0.266 | 0.02 | -0.246 |

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:

Warring Elementary School

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 *See Part F — Provide DEC ID number(s): 0806920

☐ Yes – Environmental Site Remediation database — Provide DEC ID number(s): _____

☐ Neither database

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

_____

_____

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

If yes, provide DEC ID number(s): _____

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

_____

_____

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

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

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

a. What is the average depth to bedrock on the project site? TBD 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:

| | |
|---|---|
| Ur - Urban Land | 100 % |
| | % |
| | % |

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

e. Drainage status of project site soils:

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

f. Approximate proportion of proposed action site with slopes:

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

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

h. Surface water features.

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

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

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

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

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

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

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

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

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

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

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

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

*i.* Name of aquifer: _____

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

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: *See Part F
*i.* Species and listing (endangered or threatened): _____
Indiana Bat, Northern Long Eared Bat, Tricolored Bat per IPac

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? *See Part F ☑ Yes ☐ No

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

If Yes:

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

*ii.* Basis for identification: _____

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

If Yes:

*i.* Identify resource: Walkway Over the Hudson

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

*iii.* Distance between project and resource: ~1.3 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 Kenneth Casamento Date 4/7/2025

Signature _____ Title As Agent for Applicant

PRINT FORM

**Cottage Street – Part F**

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

The NYSDEC Spill Incidents Database indicates a spill reported at the adjacent property to the project site, 192 Cottage Street. The spill was closed 9/19/2008. See record in Appendix I.

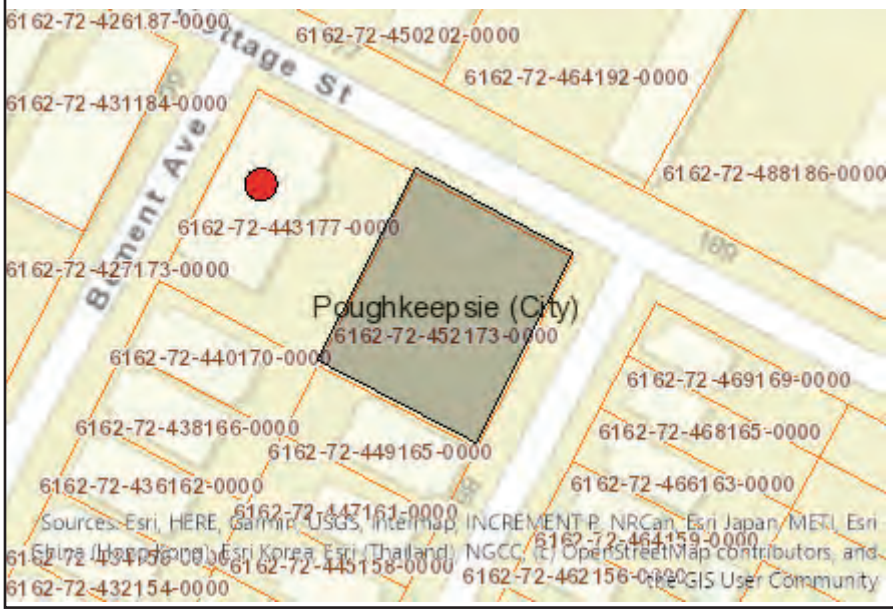
**E.2.o. Does the project site contain any species of plant or animal that is listed by the federal government or NYS as endangered or threatened, or does it contain any areas identified as habitat for an endangered or threatened species?**

Although the EAF Mapper does not indicate endangered or threatened species or their habitat on the project site, the IPac (Appendix C) indicates the presence of Indiana Bat, Northern Logn eared Bat, and the proposed endangered Tricolored Bat. The proposed project site has very few trees and would result in minimal tree removal, therefore no adverse impact is expected to either species or their habitat.

**E.3.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 NYS Historic Preservation Office (SHPO) archaeological site inventory?**

The EAF Mapper indicates the project site or any portion of it is located in or adjacent to an area designated sensitive for archaeological sites, however, per the CRIS Map in Appendix E does not show archaeological sensitive sites within or adjacent to the project site.

# APPENDIX A




**Disclaimer:** The EAF Mapper is a screening tool intended to assist project sponsors and reviewing agencies in preparing an environmental assessment form (EAF). Not all questions asked in the EAF are answered by the EAF Mapper. Additional information on any EAF question can be obtained by consulting the EAF Workbooks. Although the EAF Mapper provides the most up-to-date digital data available to DEC, you may also need to contact local or other data sources in order to obtain data not provided by the Mapper. Digital data is not a substitute for agency determinations.

| | |
|---|---|
| B.i.i [Coastal or Waterfront Area] | No |
| B.i.ii [Local Waterfront Revitalization Area] | No |
| C.2.b. [Special Planning District] | Digital mapping data are not available or are incomplete. Refer to EAF Workbook. |
| E.1.h [DEC Spills or Remediation Site - Potential Contamination History] | Digital mapping data are not available or are incomplete. Refer to EAF Workbook. |
| E.1.h.i [DEC Spills or Remediation Site - Listed] | Digital mapping data are not available or are incomplete. Refer to EAF Workbook. |
| E.1.h.i [DEC Spills or Remediation Site - Environmental Site Remediation Database] | Digital mapping data are not available or are incomplete. Refer to EAF Workbook. |
| E.1.h.iii [Within 2,000' of DEC Remediation Site] | No |
| E.2.g [Unique Geologic Features] | No |
| E.2.h.i [Surface Water Features] | No |
| E.2.h.ii [Surface Water Features] | No |
| E.2.h.iii [Surface Water Features] | No |
| E.2.h.v [Impaired Water Bodies] | No |
| E.2.i. [Floodway] | No |
| E.2.j. [100 Year Floodplain] | No |
| E.2.k. [500 Year Floodplain] | No |
| E.2.l. [Aquifers] | No |
| E.2.n. [Natural Communities] | No |
| E.2.o. [Endangered or Threatened Species] | No |
| E.2.p. [Rare Plants or Animals] | No |
| E.3.a. [Agricultural District] | No |

| | |
|---|---|
| E.3.c. [National Natural Landmark] | No |
| E.3.d [Critical Environmental Area] | No |
| E.3.e. [National or State Register of Historic Places or State Eligible Sites] | Digital mapping data are not available or are incomplete. Refer to EAF Workbook. |
| E.3.f. [Archeological Sites] | Yes |
| E.3.i. [Designated River Corridor] | No |

# APPENDIX B

# ParcelAccess | Property Details

**FINAL ROLL**

**Parcel Number**
131300-6162-72-443177-0000

**Parcel Location**
187 Cottage St

**Municipality**
Poughkeepsie City

**Owner Name**
187 Cottage Street LLC *(Primary)*

**Primary Owner Mailing Address**
17 River Point Rd
Poughkeepsie, NY 12601

## Parcel Details

| | | | |
|---|---|---|---|
| **Lot Size (acres):** | 0.27 Ac (C) | **Split Town:** | - |
| **Filed Map:** | 965 | **Agri. District:** | None |
| **File Lot #:** | 20&21+ | **School District:** | (131300) Poughkeepsie City SD |
| **Land Use Class:** | (484) 1 use sm bld | | |

## Assessment Information (Current)

| **Land:** | **Total:** | **County Taxable:** | **Town Taxable:** | **School Taxable:** | **Village Taxable:** |
|---|---|---|---|---|---|
| $63,800 | $270,100 | $270,100 | $270,100 | $270,100 | $0 |

| **Tax Code:** | **Roll Section:** | **Uniform %:** | **Full Market Value:** |
|---|---|---|---|
| N (Non-Homestead) | 1 (Taxable) | 100 | $270,100 |

| **Tentative Roll:** | **Final Roll:** | **Valuation Date:** |
|---|---|---|
| 5/1/2024 | 7/1/2024 | 7/1/2023 |

## Last Sale / Transfer

| **Sale Price:** | **Sale Date:** | **Deed Book:** | **Deed Page:** | **Sale Condition:** | **No. Parcels:** |
|---|---|---|---|---|---|
| $350,000 | 6/19/2019 | 22019 | 4190 | J | 1 |

## Site Information

**Site 1**

| **Water Supply:** | **Sewer Type:** | **Desirability:** | **Zoning Code: *** | **Used As:** |
|---|---|---|---|---|
| (3) Comm/public | (3) Comm/public | (3) Normal | | (F01) Truck termnl |

## Commercial / Industrial / Utility Building Information

**Site 1, Section 1, No. 1**

| **Year Built:** | **No. Stories:** | **Gross Floor Area:** | **Boeck Model:** | |
|---|---|---|---|---|
| 1951 | 1 | 4,800 | (0811) 1 sty mfg load sup | |

| **Air Cond. %:** | **Sprinkler %:** | **Alarm %:** | **No. Elevators:** | **Basement SF:** |
|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 |

| **Number Identical:** | **Condition Code:** | **Constr. Qual:** |
|---|---|---|

| | | |
|---|---|---|
| 0 | 3 | (1) Average - |

## Commercial Rental Information

**Site 1, Use 1**

| Used As: | | | Unit Code: | Total Rent Area: | Total Units: |
|---|---|---|---|---|---|
| (F01) Truck termnl | | | - | 4,800 | 0 |
| **Area 1 Bed. Apts.:** | **Area 2 Bed. Apts.:** | **Area 3 Bed. Apts.:** | **No. 1 Bed. Apts:** | **No. 2 Bed. Apts:** | **No. 3 Bed. Apts:** |
| 0 | 0 | 0 | 0 | 0 | 0 |

## Special District Information

**Special District: GP000**

| Special District Name: | Primary Units: | Ad Valorem Value: |
|---|---|---|
| Greater Pok Lib Dist | 0 | $270,100 |

ABSOLUTELY NO ACCURACY OR COMPLETENESS GUARANTEE IS IMPLIED OR INTENDED. ALL INFORMATION ON THIS MAP IS SUBJECT TO CHANGE BASED ON A COMPLETE TITLE SEARCH OR FIELD SURVEY.

***Please see the Dutchess County Zoning Map for the most up-to-date zoning information.**

This report was produced using ParcelAccess on 11/21/2024. Developed and maintained by OCIS - Dutchess County, NY.

# APPENDIX C

# IPaC resource list

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as *trust resources*) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly affected by activities in the project area. However, determining the likelihood and extent of effects a project may have on trust resources typically requires gathering additional site-specific (e.g., vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

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## Location

Dutchess County, New York

## Local office

New York Ecological Services Field Office

(607) 753-9334
(607) 753-9699
fw5es_nyfo@fws.gov

3817 Luker Road
Cortland, NY 13045-9385

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# Endangered species

**This resource list is for informational purposes only and does not constitute an analysis of project level impacts.**

The primary information used to generate this list is the known or expected range of each species. Additional areas of influence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly affected by activities in that area (e.g., placing a dam upstream of a fish population even if that fish does not occur at the dam site, may indirectly impact the species by reducing or eliminating water flow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local office and a species list which fulfills this requirement can **only** be obtained by requesting an official species list from either the Regulatory Review section in IPaC (see directions below) or from the local field office directly.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list by doing the following:

1. Draw the project location and click CONTINUE.
2. Click DEFINE PROJECT.
3. Log in (if directed to do so).
4. Provide a name and description for your project.
5. Click REQUEST SPECIES LIST.

Listed species[1] and their critical habitats are managed by the Ecological Services Program of the U.S. Fish and Wildlife Service (USFWS) and the fisheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries[2]).

Species and critical habitats under the sole responsibility of NOAA Fisheries are **not** shown on this list. Please contact NOAA Fisheries for species under their jurisdiction.

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1. Species listed under the Endangered Species Act are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the listing status page for more information. IPaC only shows species that are regulated by USFWS (see FAQ).
2. NOAA Fisheries, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

The following species are potentially affected by activities in this location:

# Mammals

| NAME | STATUS |
|---|---|
| Indiana Bat Myotis sodalis<br>Wherever found<br>There is **final** critical habitat for this species. Your location does not overlap the critical habitat.<br>https://ecos.fws.gov/ecp/species/5949 | Endangered |
| Northern Long-eared Bat Myotis septentrionalis<br>Wherever found<br>No critical habitat has been designated for this species.<br>https://ecos.fws.gov/ecp/species/9045 | Endangered |
| Tricolored Bat Perimyotis subflavus<br>Wherever found<br>No critical habitat has been designated for this species.<br>https://ecos.fws.gov/ecp/species/10515 | Proposed Endangered |

# Insects

| NAME | STATUS |
|---|---|
| Monarch Butterfly Danaus plexippus<br>Wherever found<br>No critical habitat has been designated for this species.<br>https://ecos.fws.gov/ecp/species/9743 | Candidate |

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# Critical habitats

Potential effects to critical habitat(s) in this location must be analyzed along with the endangered species themselves.

There are no critical habitats at this location.

You are still required to determine if your project(s) may have effects on all above listed species.

# Bald & Golden Eagles

Bald and golden eagles are protected under the Bald and Golden Eagle Protection Act[1] and the Migratory Bird Treaty Act[2].

Any person or organization who plans or conducts activities that may result in impacts to bald or golden eagles, or their habitats[3], should follow appropriate regulations and consider implementing appropriate conservation measures, as described in the links below. Specifically, please review the "Supplemental Information on Migratory Birds and Eagles".

Additional information can be found using the following links:

- Eagle Management https://www.fws.gov/program/eagle-management
- Measures for avoiding and minimizing impacts to birds https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds
- Nationwide conservation measures for birds https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf
- Supplemental Information for Migratory Birds and Eagles in IPaC https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action

There are likely bald eagles present in your project area. For additional information on bald eagles, refer to Bald Eagle Nesting and Sensitivity to Human Activity

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For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, see the PROBABILITY OF PRESENCE SUMMARY below to see when these birds are most likely to be present and breeding in your project area.

| NAME | BREEDING SEASON |
| --- | --- |
| Bald Eagle Haliaeetus leucocephalus<br>This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities.<br>https://ecos.fws.gov/ecp/species/1626 | Breeds Dec 1 to Aug 31 |

# Probability of Presence Summary

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read "Supplemental Information on Migratory Birds and Eagles", specifically the FAQ section titled "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

**Probability of Presence** (■)

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.
2. To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the

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probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is 0.25/0.25 = 1; at week 20 it is 0.05/0.25 = 0.2.

3. The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

To see a bar's probability of presence score, simply hover your mouse cursor over the bar.

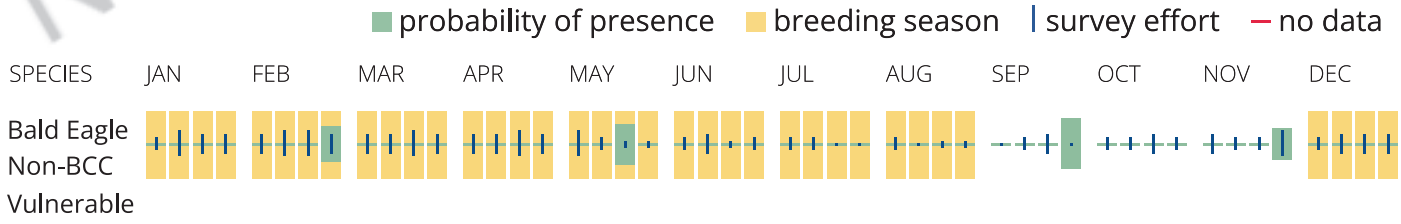
**Breeding Season** (▪)
Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

**Survey Effort** (|)
Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

To see a bar's survey effort range, simply hover your mouse cursor over the bar.

**No Data** (–)
A week is marked as having no data if there were no survey events for that week.

**Survey Timeframe**
Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.




**What does IPaC use to generate the potential presence of bald and golden eagles in my specified location?**

The potential for eagle presence is derived from data provided by the Avian Knowledge Network (AKN). The AKN data is based on a growing collection of survey, banding, and citizen science datasets and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because

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they are a BCC species in that area, an eagle (Eagle Act requirements may apply). To see a list of all birds potentially present in your project area, please visit the Rapid Avian Information Locator (RAIL) Tool.

**What does IPaC use to generate the probability of presence graphs of bald and golden eagles in my specified location?**

The Migratory Bird Resource List is comprised of USFWS Birds of Conservation Concern (BCC) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the Avian Knowledge Network (AKN). The AKN data is based on a growing collection of survey, banding, and citizen science datasets and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle (Eagle Act requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the Rapid Avian Information Locator (RAIL) Tool.

**What if I have eagles on my list?**

If your project has the potential to disturb or kill eagles, you may need to obtain a permit to avoid violating the Eagle Act should such impacts occur. Please contact your local Fish and Wildlife Service Field Office if you have questions.

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# Migratory birds

Certain birds are protected under the Migratory Bird Treaty Act[1] and the Bald and Golden Eagle Protection Act[2].

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats[3] should follow appropriate regulations and consider implementing appropriate conservation measures, as described in the links below. Specifically, please review the "Supplemental Information on Migratory Birds and Eagles".

1. The Migratory Birds Treaty Act of 1918.
2. The Bald and Golden Eagle Protection Act of 1940.

Additional information can be found using the following links:

- Eagle Management https://www.fws.gov/program/eagle-management

- Measures for avoiding and minimizing impacts to birds https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds
- Nationwide conservation measures for birds https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf
- Supplemental Information for Migratory Birds and Eagles in IPaC https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action

**The birds listed below are birds of particular concern either because they occur on the USFWS Birds of Conservation Concern (BCC) list or warrant special attention in your project location.** To learn more about the levels of concern for birds on your list and how this list is generated, see the FAQ below. This is not a list of every bird you may find in this location, nor a guarantee that every bird on this list will be found in your project area. To see exact locations of where birders and the general public have sighted birds in and around your project area, visit the E-bird data mapping tool (Tip: enter your location, desired date range and a species on your list). For projects that occur off the Atlantic Coast, additional maps and models detailing the relative occurrence and abundance of bird species on your list are available. Links to additional information about Atlantic Coast birds, and other important information about your migratory bird list, including how to properly interpret and use your migratory bird report, can be found below.

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, see the PROBABILITY OF PRESENCE SUMMARY below to see when these birds are most likely to be present and breeding in your project area.

| NAME | BREEDING SEASON |
|---|---|
| **Bald Eagle** *Haliaeetus leucocephalus*<br>This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities.<br>https://ecos.fws.gov/ecp/species/1626 | Breeds Dec 1 to Aug 31 |
| **Belted Kingfisher** *Megaceryle alcyon*<br>This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA | Breeds Mar 15 to Jul 25 |

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| | |
|---|---|
| **Black-billed Cuckoo** *Coccyzus erythropthalmus*<br>This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.<br>https://ecos.fws.gov/ecp/species/9399 | Breeds May 15 to Oct 10 |
| **Blue-winged Warbler** *Vermivora cyanoptera*<br>This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA | Breeds May 1 to Jun 30 |
| **Bobolink** *Dolichonyx oryzivorus*<br>This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. | Breeds May 20 to Jul 31 |
| **Canada Warbler** *Cardellina canadensis*<br>This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. | Breeds May 20 to Aug 10 |
| **Chimney Swift** *Chaetura pelagica*<br>This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. | Breeds Mar 15 to Aug 25 |
| **Eastern Meadowlark** *Sturnella magna*<br>This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA | Breeds Apr 25 to Aug 31 |
| **Evening Grosbeak** *Coccothraustes vespertinus*<br>This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. | Breeds May 15 to Aug 10 |
| **Lesser Yellowlegs** *Tringa flavipes*<br>This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.<br>https://ecos.fws.gov/ecp/species/9679 | Breeds elsewhere |
| **Prairie Warbler** *Setophaga discolor*<br>This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. | Breeds May 1 to Jul 31 |

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| | |
|---|---|
| Red-headed Woodpecker Melanerpes erythrocephalus<br>This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. | Breeds May 10 to Sep 10 |
| Rose-breasted Grosbeak Pheucticus ludovicianus<br>This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA | Breeds May 15 to Jul 31 |
| Semipalmated Sandpiper Calidris pusilla<br>This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA | Breeds elsewhere |
| Wood Thrush Hylocichla mustelina<br>This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. | Breeds May 10 to Aug 31 |

# Probability of Presence Summary

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read "Supplemental Information on Migratory Birds and Eagles", specifically the FAQ section titled "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

**Probability of Presence** (■)

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events

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and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.

2. To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is 0.25/0.25 = 1; at week 20 it is 0.05/0.25 = 0.2.
3. The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

To see a bar's probability of presence score, simply hover your mouse cursor over the bar.

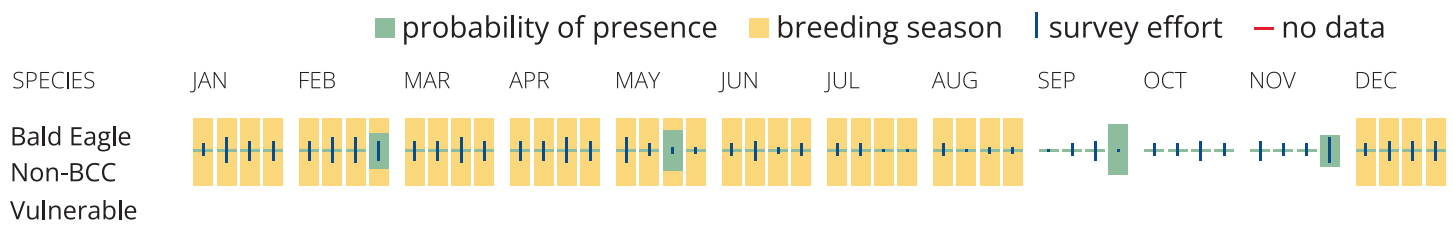
**Breeding Season** (■)
Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

**Survey Effort** (|)
Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

To see a bar's survey effort range, simply hover your mouse cursor over the bar.

**No Data** (–)
A week is marked as having no data if there were no survey events for that week.

**Survey Timeframe**
Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.

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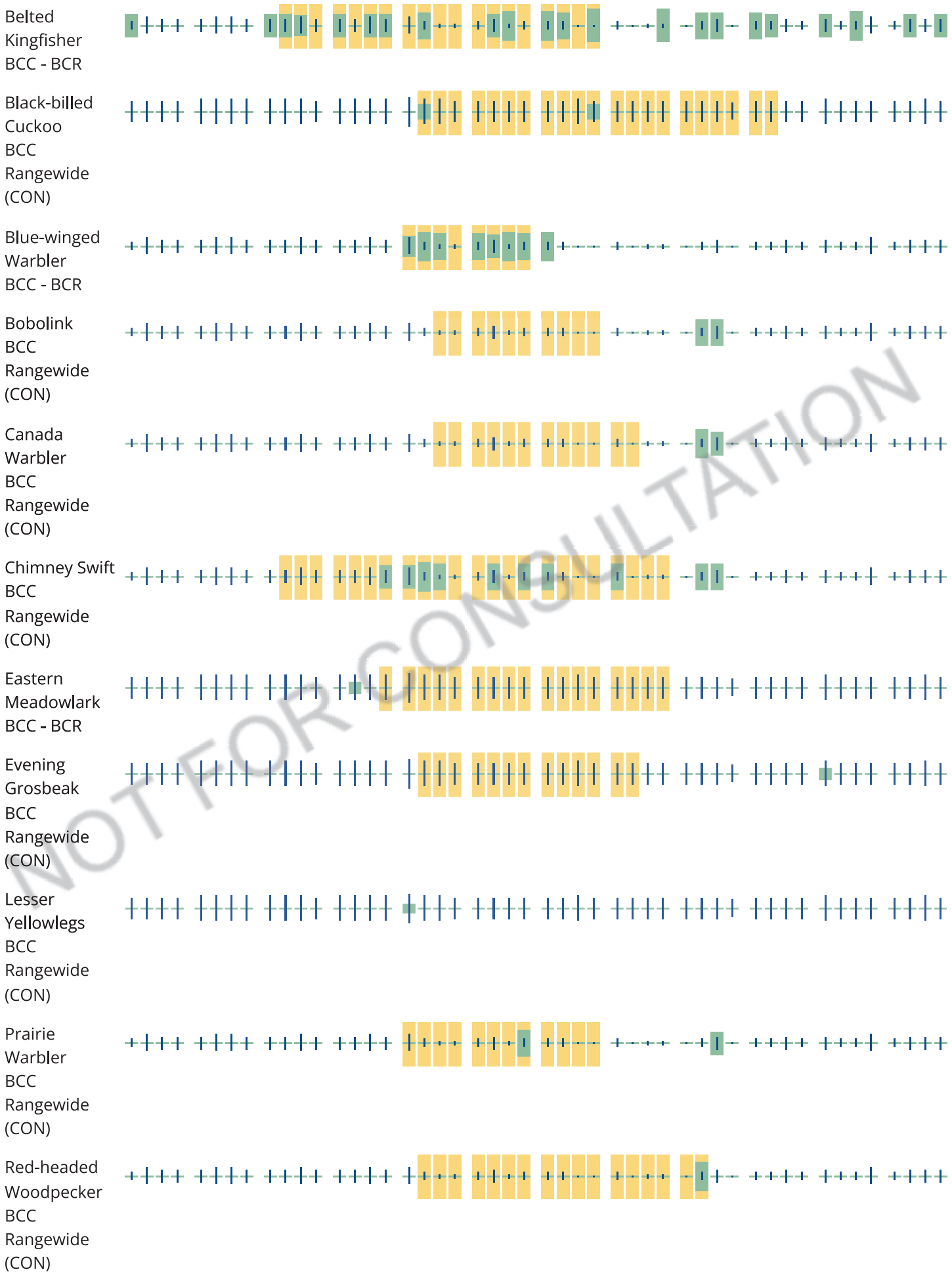
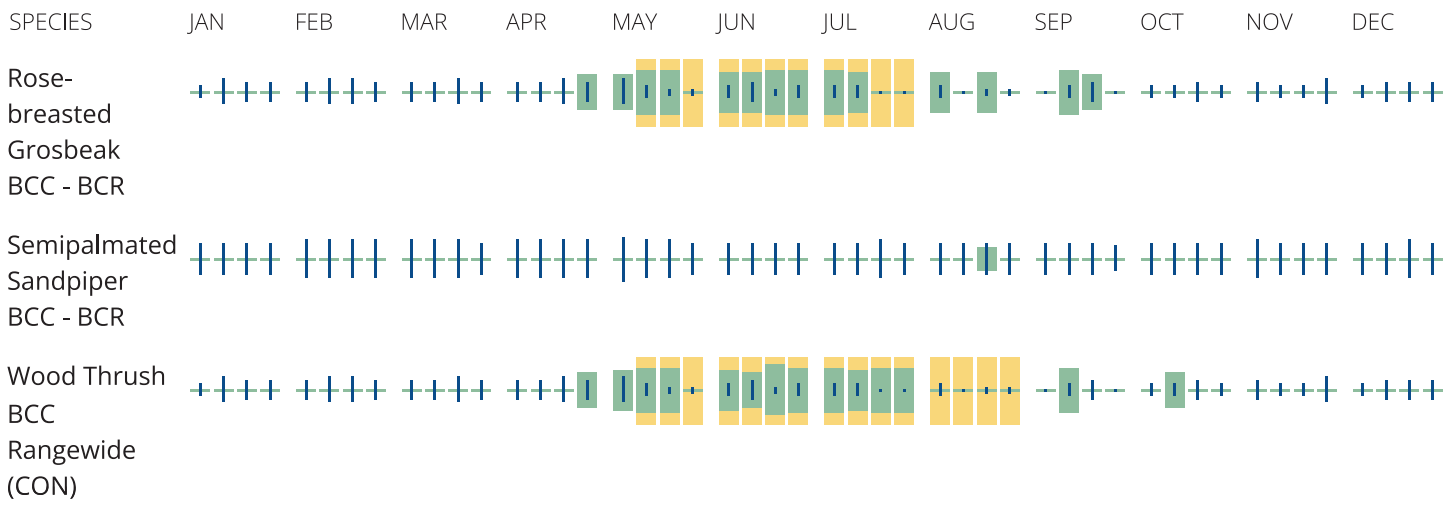



NOT FOR CONSULTATION




**Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.**

Nationwide Conservation Measures describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. Additional measures or permits may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

**What does IPaC use to generate the list of migratory birds that potentially occur in my specified location?**

The Migratory Bird Resource List is comprised of USFWS Birds of Conservation Concern (BCC) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the Avian Knowledge Network (AKN). The AKN data is based on a growing collection of survey, banding, and citizen science datasets and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle (Eagle Act requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the Rapid Avian Information Locator (RAIL) Tool.

**What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?**

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The probability of presence graphs associated with your migratory bird list are based on data provided by the Avian Knowledge Network (AKN). This data is derived from a growing collection of survey, banding, and citizen science datasets.

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

**How do I know if a bird is breeding, wintering or migrating in my area?**

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may query your location using the RAIL Tool and look at the range maps provided for birds in your area at the bottom of the profiles provided for each bird in your results. If a bird on your migratory bird species list has a breeding season associated with it, if that bird does occur in your project area, there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

**What are the levels of concern for migratory birds?**

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are Birds of Conservation Concern (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the Eagle Act requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

**Details about birds that are potentially affected by offshore projects**

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the Northeast Ocean Data Portal. The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf project webpage.

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Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the Diving Bird Study and the nanotag studies or contact Caleb Spiegel or Pam Loring.

**What if I have eagles on my list?**

If your project has the potential to disturb or kill eagles, you may need to obtain a permit to avoid violating the Eagle Act should such impacts occur.

**Proper Interpretation and Use of Your Migratory Bird Report**

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the "no data" indicator (a red horizontal bar). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to confirm presence, and helps guide you in knowing when to implement conservation measures to avoid or minimize potential impacts from your project activities, should presence be confirmed. To learn more about conservation measures, visit the FAQ "Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds" at the bottom of your migratory bird trust resources page.

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# Facilities

## National Wildlife Refuge lands

Any activity proposed on lands managed by the National Wildlife Refuge system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

### There are no refuge lands at this location.

# Fish hatcheries

There are no fish hatcheries at this location.

# Wetlands in the National Wetlands Inventory (NWI)

Impacts to NWI wetlands and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local U.S. Army Corps of Engineers District.

## This location did not intersect any wetlands mapped by NWI.

**NOTE:** This initial screening does **not** replace an on-site delineation to determine whether wetlands occur. Additional information on the NWI data is provided below.

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### Data limitations

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

### Data exclusions

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats

include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tuberficid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

**Data precautions**

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate Federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

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# APPENDIX D

Map Scale: 1:381 if printed on A portrait (8.5" x 11") sheet.

N

Meters: 0 5 10 20 30

Feet: 0 15 30 60 90

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 21, Aug 29, 2024

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Oct 21, 2022—Oct 27, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

# Map Unit Legend

| Map Unit Symbol | Map Unit Name | Acres in AOI | Percent of AOI |
|---|---|---|---|
| Ur | Urban land | 0.4 | 100.0% |
| **Totals for Area of Interest** | | **0.4** | **100.0%** |

# Dutchess County, New York

## Ur—Urban land

**Map Unit Setting**

*National map unit symbol:* 9rjb
*Mean annual precipitation:* 41 to 47 inches
*Mean annual air temperature:* 45 to 50 degrees F
*Frost-free period:* 115 to 195 days
*Farmland classification:* Not prime farmland

**Map Unit Composition**

*Urban land:* 90 percent
*Minor components:* 10 percent
*Estimates are based on observations, descriptions, and transects of the mapunit.*

**Description of Urban Land**

**Typical profile**

*H1 - 0 to 6 inches:* variable

**Interpretive groups**

*Land capability classification (irrigated):* None specified
*Land capability classification (nonirrigated):* 8s
*Hydric soil rating:* Unranked

**Minor Components**

**Udorthents, smoothed**

*Percent of map unit:* 5 percent
*Hydric soil rating:* No

**Udorthents, wet substratum**

*Percent of map unit:* 3 percent
*Hydric soil rating:* No

**Unnamed soils, undisturbed**

*Percent of map unit:* 1 percent
*Hydric soil rating:* Unranked

**Rock outcrop**

*Percent of map unit:* 1 percent
*Hydric soil rating:* Unranked

# Data Source Information

Soil Survey Area: Dutchess County, New York
Survey Area Data: Version 21, Aug 29, 2024

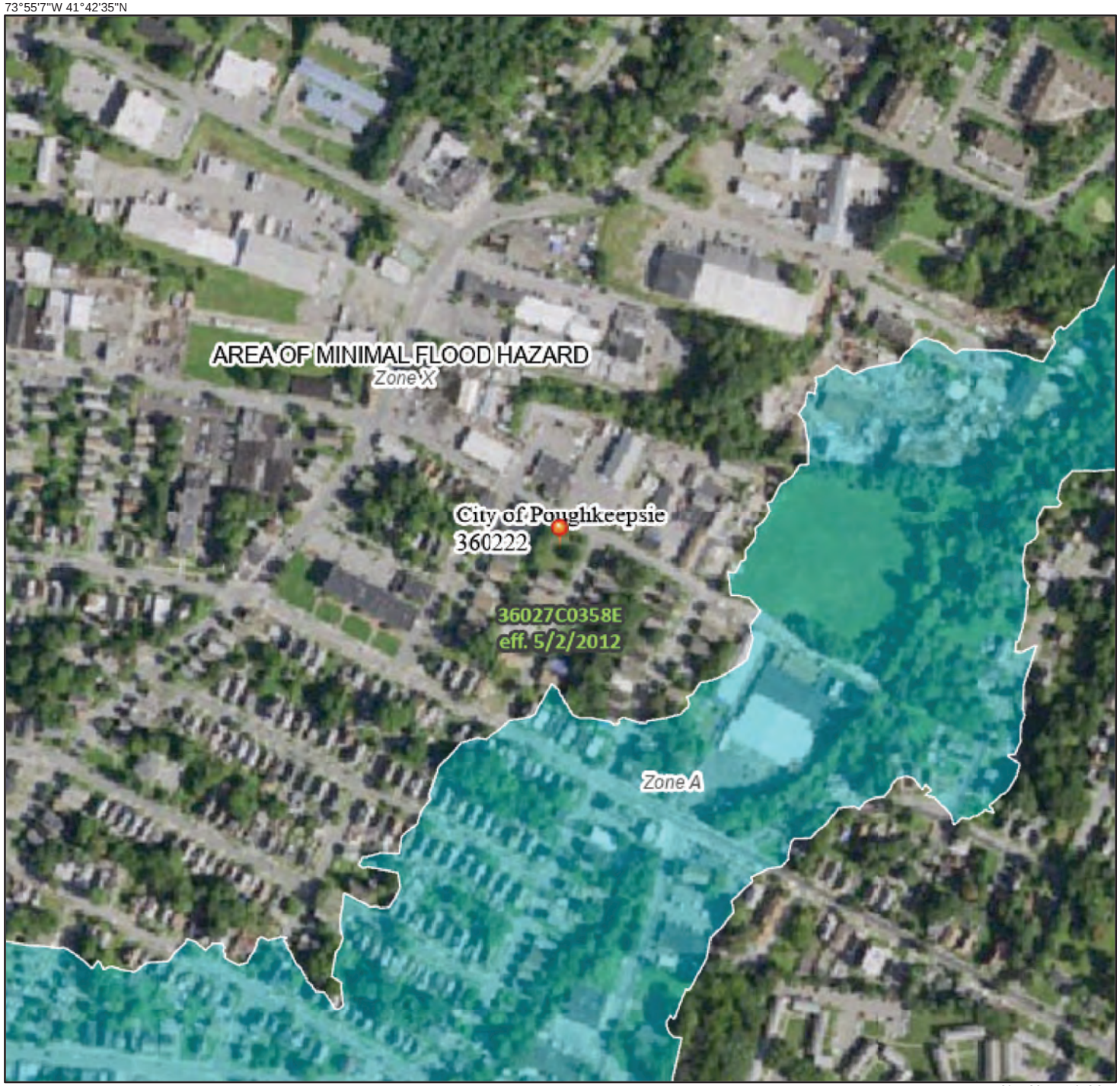
# APPENDIX E

# APPENDIX F

# National Flood Hazard Layer FIRMette

FEMA

73°55'7"W 41°42'35"N




73°54'30"W 41°42'8"N

0 250 500 1,000 1,500 2,000 Feet

1:6,000

*Basemap Imagery Source: USGS National Map 2023*

## Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

**SPECIAL FLOOD HAZARD AREAS**
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

**OTHER AREAS OF FLOOD HAZARD**
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

**OTHER AREAS**
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

**GENERAL STRUCTURES**
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

**OTHER FEATURES**
- 20.2 Cross Sections with 1% Annual Chance
- 17.5 Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

**MAP PANELS**
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 12/4/2024 at 8:33 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

# APPENDIX G

# Environmental Resource Mapper

December 4, 2024

1:2,257

0 0.02 0.04 0.08 mi

0 0.03 0.07 0.13 km

New York State, Maxar, Microsoft, Esri, HERE, Garmin, iPC

# APPENDIX H

# Environmental Resource Mapper

December 4, 2024

1:2,257

0 0.02 0.04 0.08 mi

0 0.03 0.07 0.13 km

New York State, Maxar, Microsoft, Esri, HERE, Garmin, iPC

# APPENDIX I

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

# Spill Incidents Database Search Details

## Spill Record

### Administrative Information

**DEC Region:** 3
**Spill Number:** 0806920

### Spill Date/Time

**Spill Date:** 09/19/2008 **Spill Time:** 09:00:00 AM
**Call Received Date:** 09/19/2008 **Call Received Time:** 10:18:00 AM

### Location

**Spill Name:** DRUMS; C/ POK
**Address:** 192 COTTAGE ST
**City:** POUGHKEEPSIE **County:** Dutchess

### Spill Description

| Material Spilled | Amount Spilled | Resource Affected |
|---|---|---|
| waste oil/used oil | UNKNOWN | Unknown |

**Cause:** Abandoned Drums
**Source:** Unknown
**Waterbody:**

### Record Close

**Date Spill Closed:** 09/19/2008

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.

Return To Results

Refine This Search

| | |
|---|---|
| **From:** | Judith Knauss |
| **To:** | Aime Patane; Tyler Maegerle; Joseph O"Brien; Richard Distel |
| **Cc:** | Jim Sullivan; Shawn Curran; Cortlandt Toczylowski; Ken Casamento; Jennie Gent |
| **Subject:** | RE: Cottage Street Grid #6162-72-452173 |
| **Date:** | Friday, April 4, 2025 9:27:45 AM |
| **Attachments:** | image001.png<br>image002.png<br>image003.png |

Area variance applications are $350.

**From:** Aime Patane <apatane@lrcconsult.com>
**Sent:** Friday, April 4, 2025 9:25 AM
**To:** Judith Knauss <JKnauss@cityofpoughkeepsie.com>; Tyler Maegerle <tmaegerle@cityofpoughkeepsie.com>; Joseph O'Brien <jobrien@cityofpoughkeepsie.com>; Richard Distel <rdistel@cityofpoughkeepsie.com>
**Cc:** Jim Sullivan <jsullivancorp@gmail.com>; Shawn Curran <SCurran@lrcconsult.com>; Cortlandt Toczylowski <honestbrewer@gmail.com>; Ken Casamento <kcasamento@lrcconsult.com>; Jennie Gent <jgent@lrcconsult.com>
**Subject:** RE: Cottage Street Grid #6162-72-452173

**CAUTION:** This email originated from outside the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi Judith,

We are working on preparing a submission to the ZBA for Monday. I just tried to give Lori a call to confirm the fee, but her voicemail says she is out until 4/15. Can you please confirm the fee for ZBA submission is $350.00?

In reviewing your comments, I just wanted to offer some clarification to comment #4. We do provide a 10ft landscape buffer at the south property line. We will revise the plan to make this stand out and resubmit to the PB to keep consistent with what we submit to the ZBA.

Thank you,

***Aime Patane***
***Project Planner***

**The LRC Group**
*85 Civic Center Plaza, Suite 204*

*Poughkeepsie, NY 12601*
*Phone: (845) 243-2880  x204*
*Fax: (845) 265-8175*
apatane@lrcconsult.com
www.lrcconsult.com

---------- Forwarded message ---------
From: **Judith Knauss** <JKnauss@cityofpoughkeepsie.com>
Date: Wed, Apr 2, 2025 at 2:13 PM
Subject: Cottage Street Grid #6162-72-452173
To: Jim Sullivan <jsullivancorp@gmail.com>
CC: Tyler Maegerle <tmaegerle@cityofpoughkeepsie.com>, Joseph O'Brien <jobrien@cityofpoughkeepsie.com>, Richard Distel <rdistel@cityofpoughkeepsie.com>

Dear Mr. Sullivan:

The Development Department is in receipt of your revised plans relative to the application for site plan review relative to the proposed construction of a mixed use building with craft-beverage manufacturing on the first floor and eight dwelling units (2 studios, 2 one-bedroom and 2 two-bedroom units) on the upper two floors. A total of ten (10) off-street parking spaces are also proposed.  The property is located in an area of the City zoned Mixed Use 3 (MU-3) District. The use of property in MU-3 Districts for mixed use buildings is permitted, provided that all relevant requirements of the Zoning Ordinance are satisfied. The plans have been reviewed for compliance with the Ordinance, and the following deficiencies were noted to remain:

1. Section 19-3.1(2)(e ) requires that on corner lots off-street parking be setback a minimum of 10 feet from the second street property line: the proposed parking area is set-back 8.2’ from the Morgan Avenue property line;
2. Section 19-3.1(2)(f) requires that off-street parking be setback a minimum of 10 feet from any side property line: the proposed parking area is located 3 feet from the side (west) property line;
3. Section 19-6.2(11) requires  a total of 17 off-street parking spaces for the residential and beverage uses proposed: 11 off-street parking spaces are proposed;
4. Section 19-6.5(4)(a) requires that a 10 foot wide buffer strip be provided upon all non-residentially zoned lots which abut a residentially zoned lot at the side or rear

yard: there is no buffer strip whatsoever provided on the south property line;

Therefore, the application is hereby denied. You may, within sixty (60) days of the date of this communication:

1. Revise the application to demonstrate compliance; or,
2. Make application to the Zoning Board of Appeals, requesting that variances be granted.

Please also note that it has been determined that this project is an unlisted action for the purposes of SEQR. The Planning Staff is recommending a coordinated review, with the Planning Board, as the agency with the broadest review authority, the likely lead agency once all relevant applications and materials have been received. In order for the Planning Board to begin the SEQR process, it will be necessary to file the ZBA application. If you would like to be on the Planning Board's April agenda for declaration of intent to be lead agency, such ZBA application should be filed by April 7, 2025.

Please feel free to contact us if you have any questions in this regard.

Very truly yours,
Judith Knauss
Deputy Zoning Administrator

Links contained in this email have been replaced. If you click on a link in the email above, the link will be analyzed for known threats. If a known threat is found, you will not be able to proceed to the destination. If suspicious content is detected, you will see a warning.

Site egress from Morgan Street

Morgan Street facing north

Facing north towards Cottage

Morgan Street facing north

Morgan Street facing south

Site ingress from Cottage Street

Cottage Street facing west

Intersection of Morgan & Cottage Street

Western property line facing north

Facing south from adjoining on Cottage Street

Western property line facing south

Site ingress from Cottage Street

PAID

FEB 25 2025

#13383 $1015

#13384 $110

FEB 24 2025

RECEIVED

APPLICATION TO THE PLANNING BOARD
CITY OF POUGHKEEPSIE, NEW YORK

# Application for Site Plan, Special Permit & Facade Approval

A#307190

OFFICE USE ONLY
Lot # 6162-71-2622 67
CODE: PLSF
ID # PB2025-014
FEE: $1,125
Total, from:
$500, plus
$ 450
($150 per 1000 square feet of floor area), plus
$ 175
($35 per number of required parking spaces), plus
$ \
($500 for special permit, if applicable)

I. **PROPERTY ADDRESS:** 175 Mansion Street

II. **PROPERTY OWNER:** Shane Bartolomew
**ADDRESS:** 70 Whittier Blvd
Poughkeepsie
NY 12601 (state and zip code)
**PHONE NUMBER:** 914.474.2333 (include area code)

III. **NAME OF APPLICANT:** Same as owner
**ADDRESS:** _____
_____
_____ (state and zip code)
**PHONE NUMBER:** _____ (include area code)
**EMAIL ADDRESS:** _____

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

IV. **CONSULTANT:** John Sullivan
**ADDRESS:** 16 Barclay Street
Poughkeepsie
NY 12601 (state and zip code)
**PHONE NUMBER:** 914.456.1299 (include area code)
**EMAIL ADDRESS:** jsullivan2@hvc.rr.com

V. **PROPOSED USE or FAÇADE CHANGE** (Summarize proposed use or uses): _____
Four family multi-dwelling unit building

VI. **ZONING DISTRICT:** RNC

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

Revised January 2025: Previous Editions Obsolete

## PROJECT INFORMATION

New construction:_____(yes)__X__(no)

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

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

Alteration:__X__(yes)_____(no)

Cost of Construction: $__145,000__

**LOT AND BULK INFORMATION**:

Lot area: __0.16__(acres) __6,969__(square feet)

Building Footprint: __1,1__(proposed square feet for new construction)

__2,265__ (existing square feet for change of use/expansion)

__0__ (additional proposed square feet for expansion)

__1,150__ (total building footprint, square feet)

Lot Coverage: __31%__(percentage, building coverage only)

Gross Floor Area: __0__(proposed square feet for new construction)

__2,265__ (existing square feet for change of use/expansion)

__0__ (additional proposed square feet for expansion)

__2,265__ (total gross floor area, square feet)

Building Height: __2 1/2__(stories)__30__(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: __5__

B) Number of Off-Street Parking Spaces provided: __5__

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

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

N/A If yes, name all such municipal facilities: _____

_____

_____

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

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

_____ (Yes) X (No)

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

_____

_____

_____

## IX. RESIDENTIAL PROPOSALS

A) Type of Development: Multiple resididence - Four family
(Townhouse, condominium, multiple residence rental, etc.)

B) Unit Breakdown:

Number of efficiency or "studio" units: 0

Number of one (1) bedroom units: 3

Number of two (2) bedroom unit's 1

Number with three or more bedrooms: 0

Total number of units: 4

C) Is funding public?_____Yes__X___No

If yes, describe funding source: _____

N/A

## X. OFFICE PROPOSALS (____Medical/Dental_____Professional_____Business)

A) Number of Employees: _____

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

C) Days/Hours of Operation: _____

N/A

## 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: _____

N/A

## XII. MERCANTILE PROPOSALS (Retail_____Wholesale_____)

A) Type of Mercantile (specify): _____

B) Number of Employees: _____

C) Days/Hours of Operation: _____

N/A

## 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? _____

N/A

## 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: _____

N/A

**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: _____

N/A

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

_____

_____

_____

_____

_____

**XVII. APPLICANT CERTIFICATION**

I, Shane Bartholomew, 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

February 24, 2025

Date

**John V. Sullivan, Associate A.I.A.**

16 Barclay Street
Poughkeepsie, NY 12601

914.456.1299 jsullivan2@hvc.rr.com

May 12, 2025

To: City of Poughkeepsie Development Department
62 Civic Center Plaza
Poughkeepsie, NY 12602

Re: **175 Mansion Street** / Application for Site Plan approval for a proposed (4) Family multi-dwelling unit building converting a single-family residence.

Attached with this memo is an application to the planning board for a site plan approval.
. Below is a list of the documents submitted:

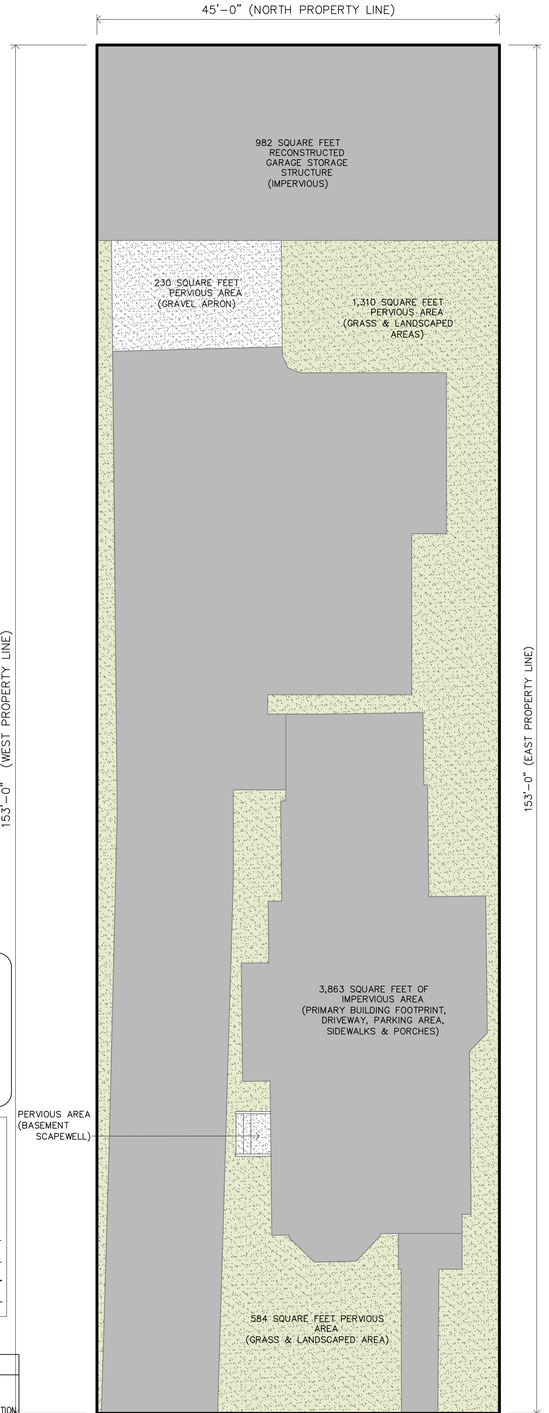
- (7) Copies of cover letter
- (7) Site Plan sheet S-1.0 existing and proposed site plans and details, notes.
- (7) Site Plan Sheet S-1.1 enlarged site plan with drainage and exterior lighting 1" =10'-0", Lot coverage analysis at a scale of 1/8"=1'-0", and details.
- (7) Sheet S-1.2 Floor plans with proposed layouts, exterior elevations of primary building w/ proposed improvements, existing garage improvements, landscape planting & Misc. details.
- (7) Document of photos of building how it exists and photos prior to any current improvements.
- (7) Survey map.

We kindly asked to be placed on the May28, 2025, planning board agenda to present the application to the planning board and answer any questions the planning board members may have.

Respectfully submitted,

John V. Sullivan, Associate A.I.A.

Cc: Shan Bartholomew – Owner/ applicant; William Moreau P.E.




**LEGEND**

- PROPERTY BOUNDS
- OH — OVERHEAD WIRES
- UTILITY POLE
- (W) WATER VALVE
- (G) NATURAL GAS VALVE
- (S) SEWER MANHOLE
- LIGHT POST

LEGEND:

- EXISTING FIRE HYDRANT
- EXISTING ELECTRIC BOX
- EXISTING CATCH BASIN
- EXISTING UTILITY POLE
- EXISTING LIGHT POST
- ELECTRIC LINE — OH —
- WATER LINE — W —
- SANITARY WASTE LINE — S —
- NATURAL GAS LINE — G —
- STORM

## EXCAVATION NOTE:

PRIOR TO THE COMMENCEMENT OF ANY EXCAVATION THE GENERAL CONTRACTOR SHALL CONTACT "DIG SAFELY NEW YORK 811" FOR ALL UNDERGROUND UTILITIES TO BE LOCATED AND MARKED FOR PRECISE LOCATION.

Dig Safely. New York Call811 before you dig

SITE SPECIFIC NOTES:

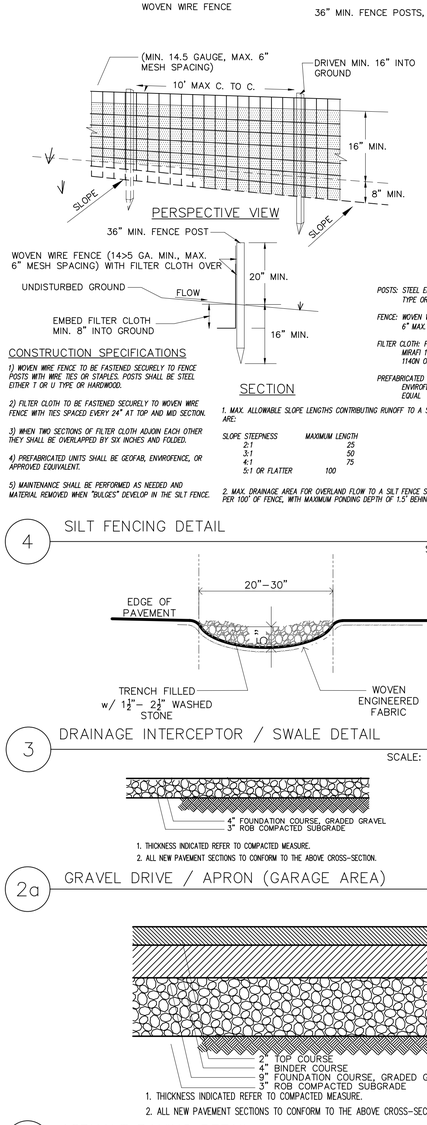
1. SITE ACCESS ON THE MANSION STREET ONLY.
2. EROSION AND SEDIMENTATION CONTROLS SHALL BE INSTALLED PRIOR TO CONSTRUCTION AT THE SITE TO PROTECT BODIES OF WATER AND DOWNSTREAM PROPERTIES, IN ACCORDANCE WITH THE LATEST ISSUE OF THE NYSDEC "NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL". THE DEVELOPER SHOULD CONTACT CITY OF POUGHKEEPSIE DPW ONCE THE EROSION CONTROLS ARE IN AND PRIOR TO CONSTRUCTION FOR INSPECTION BY THE CITY OF POUGHKEEPSIE. ALL EROSION CONTROL MEASURES SHALL BE INSPECTED AND MAINTAINED IN PROPER FUNCTIONING ORDER AND SHALL BE REPLACED AS NECESSARY DURING THE LENGTH OF THE PROJECT.
3. WHEREVER FEASIBLE NATURAL VEGETATION SHALL BE RETAINED AND PROTECTED.
4. ONLY THE SMALLEST PRACTICABLE AREA OF LAND DISTURBANCE SHALL OCCUR AT ANY ONE TIME DURING DEVELOPMENT.
5. MANSION STREET SITE WILL BE RESTORED ORIGINAL INTEGRITY WHEREVER ANY DAMAGE OCCURS DURING THE CONSTRUCTION DURATION, INCLUSIVE OF GRASS, GRAVEL, CONCRETE OR ASPHALT PAVEMENT AS NECESSARY.

## STORMWATER DRAINAGE NOTES:

The proposed improvements will have no significant effects on the stormwater drainage due to the following site characteristics;

- The entire site is less than 2/10ths of an acre.
- The proposed regrading will not involve heavy cuts or fills, generally on the order of 12 inches or less.
- The finished surface will be rolled Item 4 and/or crushed stone, having no negative effect on the impervious area.
- The two improvements along the north property line are to mitigate any potential negative stormwater runoff from the uphill neighboring site.

A review of the stormwater runoff coefficients used in the SCS method demonstrate the minimal change expected from these improvements, the unimproved site would have a coefficient between 0.79 and 0.85. The improved condition will be in the 0.87 to 0.89 range.




*POSTS: STEEL EITHER T OR U TYPE OR 2" HARDWOOD*

*FENCE: WOVEN WIRE, 14.5 GA. 6" MAX. MESH OPENING*

*FILTER CLOTH: FILTER X, MIRAFI 100X, STABLINKA T140N OR APPROVED EQUAL*

*PREFABRICATED UNIT: GEOFAB, ENVIROFENCE, OR APPROVED EQUAL*

### 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 FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.*

*3) WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.*

*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.*

*1. MAX. ALLOWABLE SLOPE LENGTHS CONTRIBUTING RUNOFF TO A SILT FENCE IN A SLOPE ARE:*

| SLOPE STEEPNESS | MAXIMUM LENGTH |
|---|---|
| 2:1 | 25 |
| 3:1 | 50 |
| 4:1 | 75 |
| 5:1 OR FLATTER | 100 |

*2. MAX. DRAINAGE AREA FOR OVERLAND FLOW TO A SILT FENCE SHALL NOT EXCEED ½ ACRE PER 100' OF FENCE, WITH MAXIMUM PONDING DEPTH OF 1.5' BEHIND THE FENCE.*

4 SILT FENCING DETAIL

SCALE: NONE




3 DRAINAGE INTERCEPTOR / SWALE DETAIL

SCALE: 3/4" = 1'-0"




1. THICKNESS INDICATED REFER TO COMPACTED MEASURE.
2. ALL NEW PAVEMENT SECTIONS TO CONFORM TO THE ABOVE CROSS-SECTION.

2a GRAVEL DRIVE / APRON (GARAGE AREA)

SCALE: NONE



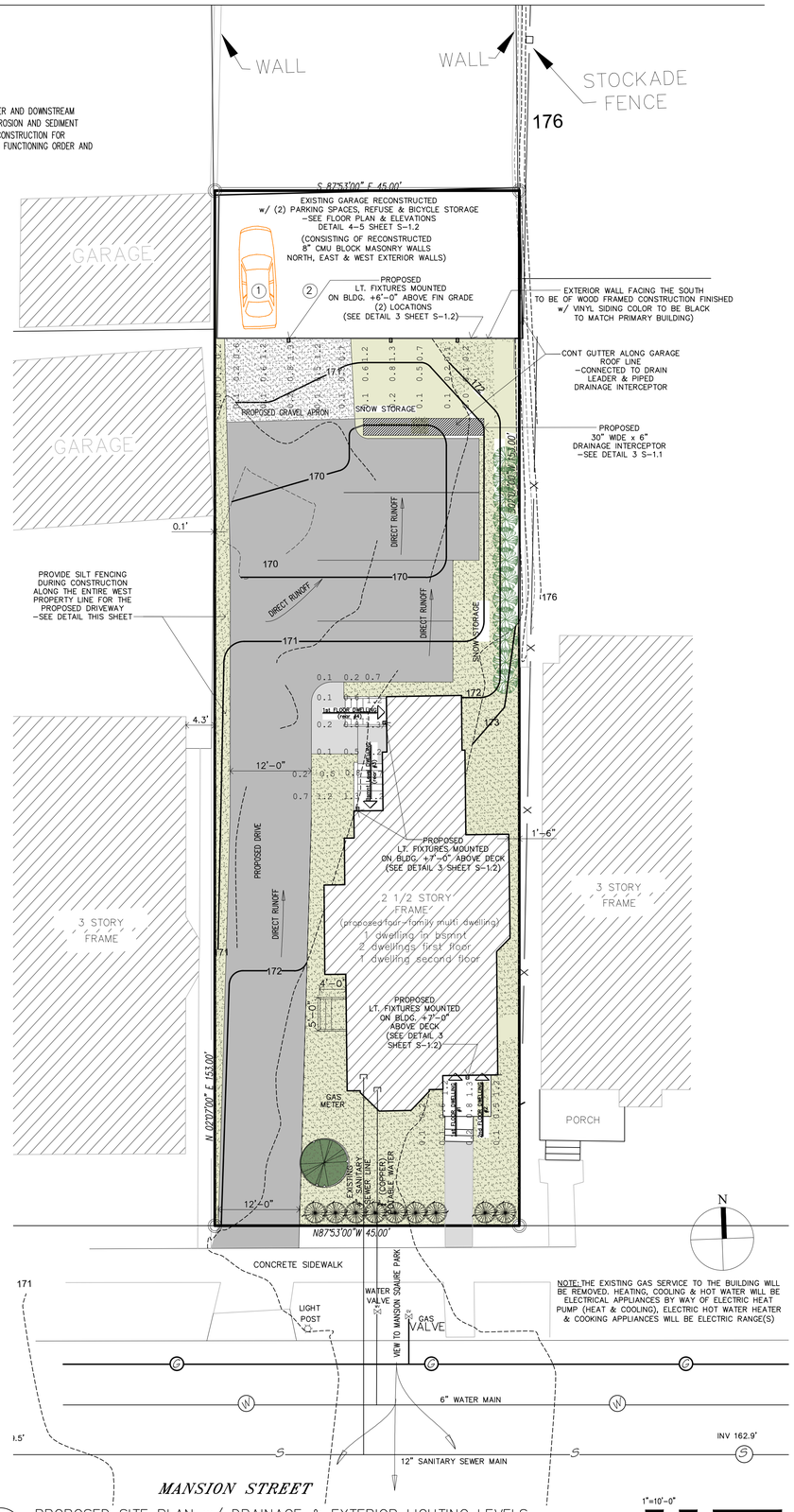

1. THICKNESS INDICATED REFER TO COMPACTED MEASURE.
2. ALL NEW PAVEMENT SECTIONS TO CONFORM TO THE ABOVE CROSS-SECTION.

2 ASPHALT PAVING DETAIL

SCALE: NONE

5 LOT COVERAGE DIAGRAM / ANALYSIS

SCALE: 1/8" = 1'-0"




1 PROPOSED SITE PLAN w/ DRAINAGE & EXTERIOR LIGHTING LEVELS

SCALE: 1" = 10'-0"





DESIGN AND DRAWINGS PREPARED BY:

JOHN V. SULLIVAN - associate a.i.a.
16 BARCLAY STREET
POUGHKEEPSIE, NY

WILLIAM MOREAU, P.E.
60 RYMPH ROAD
LA GRANGEVILLE, NY


PROPERTY OWNER:

SHANE BARTHOLOMEW
70 WHITTIER BLVD
POUGHKEEPSIE, NY 12603

| Date | Issue |
|---|---|
| 12.27.2024 | ISSUED TO OWNER FOR REVIEW |
| 12.30.2024 | ISSUED TO CITY OF POUGH. (ZRR) FOR REVIEW |
| 2.15.2025 | ISSUED TO OWNER FOR REVIEW |
| 2.24.2025 | ISSUED w/ PLANNING BOARD APPLICATION |
| 3.25.2025 | REVISIONS AS PER JUDITH KNAUSS EMAIL COMMENTS / RESUBMISSION |
| 5.8.2025 | ISSUED REVISIONS AS PER WORKSHOP MTG |

Project Title

SITE PLAN APPLICATION FOR A PROPOSED FOUR-FAMILY MULTI-DWELLING UNIT BLDG. (change in use from an existing single single-family residence)

# 175 Mansion Street

City of Poughkeepsie, NY

Drawing Title

Proposed Site Plan
w/ Drainage & Details

| | |
|---|---|
| Project No. | 2438 |
| Date | 12.3.2024 |
| Scale | AS NOTED |
| Drawing by | JVS |
| Checked by | |

STATE OF NEW YORK — WILLIAM J. MOREAU — No. 082187 — LICENSED PROFESSIONAL ENGINEER

Drawing No.

S-1.1

# SITE PLAN APPLICATION FOR A PROPOSED (FOUR FAMILY) MULTI-DWELLING UNIT BUILDING
(change in use from a single-family)

# 175 MANSION STREET
## CITY OF POUGHKEEPSIE, NY

## ZONING REQUIREMENTS

| | | | | |
|---|---|---|---|---|
| ZONING DISTRICT: | RNC (RESIDENTIAL NEIGHBORHOOD C) | | | |
| TAX MAP No's. | 6162-71-262207 | | | |
| LOT AREA : | (175 MANSION STREET) 6,969 SQ. FT. (0.16 ACRES) +/- | | | |
| BULK REQUIREMENTS | REQUIRED | EXISTING (SINGLE FAMILY RESIDENCE) | | PROPOSED (FOUR FAMILY MULTI DWELLING UNITS) |
| MIN. LOT AREA | 6,000 SQ. FT. (TWO-FAMILY) | 6,969 SQ. FT. | | 6,969 SQ. FT. |
| MAX. LOT COVERAGE | 70% | 36% +/- | | 69% (see analysis detail 5 A-1.1) |
| MIN. LOT WIDTH | 50' | 45' | * | existing unchanged |
| MIN. FRONT YARD | 20' | 16.9' | * | existing unchanged |
| MIN. SIDE YARD | 5' | 1.5 | * | existing unchanged |
| MIN. REAR YARD | 15' | 74.75' +/- | | 74.75' +/- |
| MAX. HEIGHT | 2 1/2 STORIES 35' | 2 1/2 STORY <35' | | 2 1/2 STORY <35' |
| MIN PARKING SPACES | 5 | 3 | | 5 (2) spaces in garage (3) rear yard |
| PARKING LOCATION & ACCESS | | | | |
| MIN. FRONT YARD | | - | | - |
| MIN SIDE YARD | 10' footnote 2 0' lot width < 50' | - | | 3' |
| MIN REAR YARD | 5' | - | | 39.5' |
| DRIVEWAY WIDTH | 15' | - | | 12'-0" ** |
| ACCESSORY STRUCTURE SETBACKS | | | | |
| MIN. FRONT YARD | NP | - | | - |
| MIN. REAR / SIDE YARD | 5' | 0' | * | existing unchanged |
| MAX. HEIGHT | 25' | <18' | | <18' |

* (POSSIBLE) AREA VARIANCE REQUIRED
** AREA VARIANCE REQUIRED (ZBA APPLICATION SUBMITTED FOR 5.13.25 MEETING)
SOURCE: CITY OF POUGHKEEPSIE ZONING ORDINANCE RNC REGULATIONS (4-FAMILY )

**LEGEND**

- PROPERTY BOUNDS
- OH — OVERHEAD WIRES
- UTILITY POLE
- (W) WATER VALVE
- (G) NATURAL GAS VALVE
- (S) SEWER MANHOLE
- LIGHT POST

LEGEND:

- EXISTING FIRE HYDRANT
- EXISTING ELECTRIC BOX
- EXISTING CATCH BASIN
- EXISTING UTILITY POLE
- EXISTING LIGHT POST
- ELECTRIC LINE — OH —
- WATER LINE — W —
- SANITARY WASTE LINE — S —
- NATURAL GAS LINE — G —
- STORM

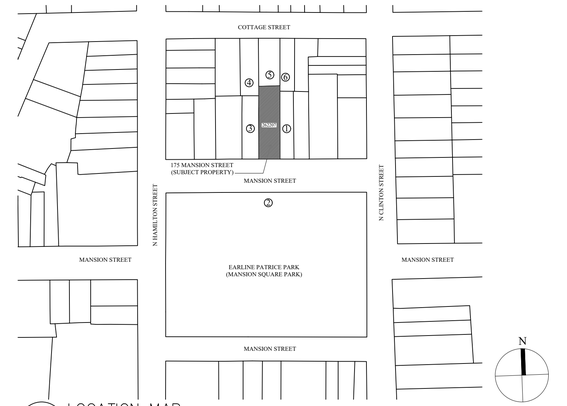
**EXCAVATION NOTE:**

PRIOR TO THE COMMENCEMENT OF ANY EXCAVATION THE GENERAL CONTRACTOR SHALL CONTACT "DIG SAFELY NEW YORK 811" FOR ALL UNDERGROUND UTILITIES TO BE LOCATED AND MARKED FOR PRECISE LOCATION

Dig Safely. New York Call 811 before you dig

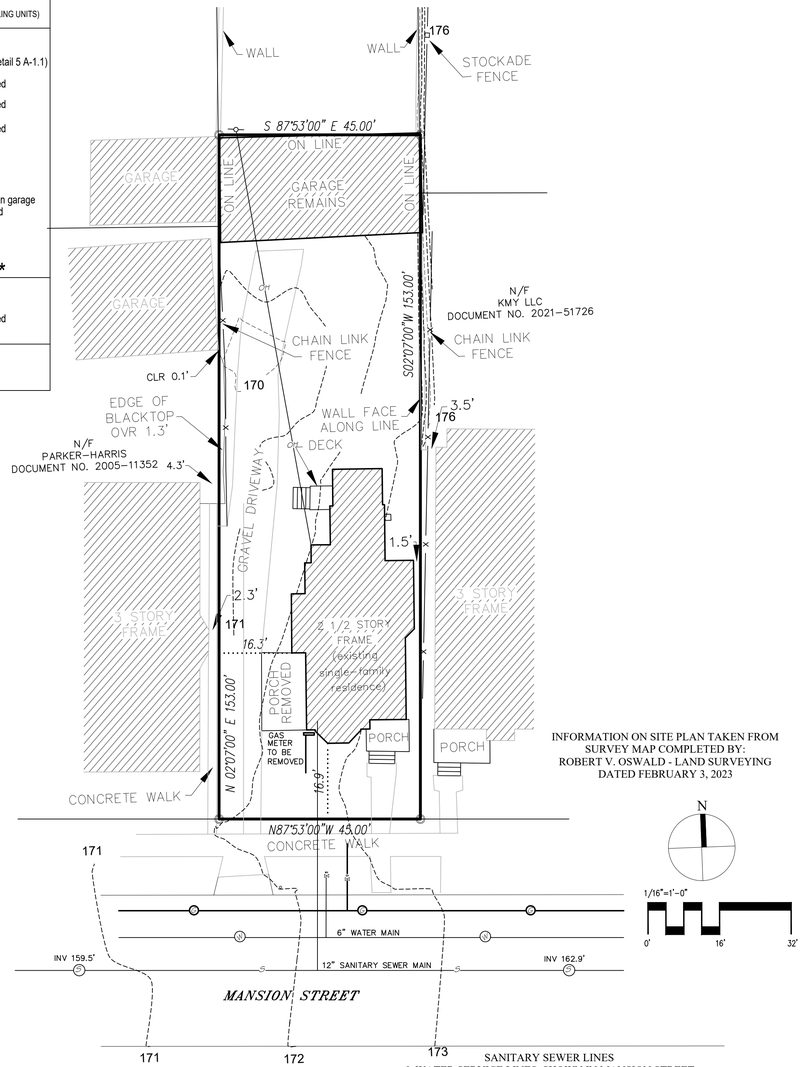
**ADJOINING PROPERTY INFORMATION**

1. 266206 KMY LLC 28 RITA AVE, MONSEY, NY 10952
2. 256179 CITY OF POUGHKEEPSIE PO BOX 300, POUGHKEEPSIE, NY 12602
3. 258207 LULA M. PARKER-HARRIS 173 MANSION STREET, POUGHKEEPSIE, NEW YORK 12601
4. 261220 PEDRO SALAS-MARTINEZ 21 COTTAGE STREET, POUGHKEEPSIE, NEW YORK 12601
5. 265220 POUGHKEEPSIE NY HOMES LLC 17 LIZENSK BLVD, UNIT 202 MONROE, NEW YORK 10950
6. 268219 PAULETTE RILEY FOSTER PO BOX 335 POUGHKEEPSIE, NEW YORK 12602




1 LOCATION MAP

SCALE: NONE

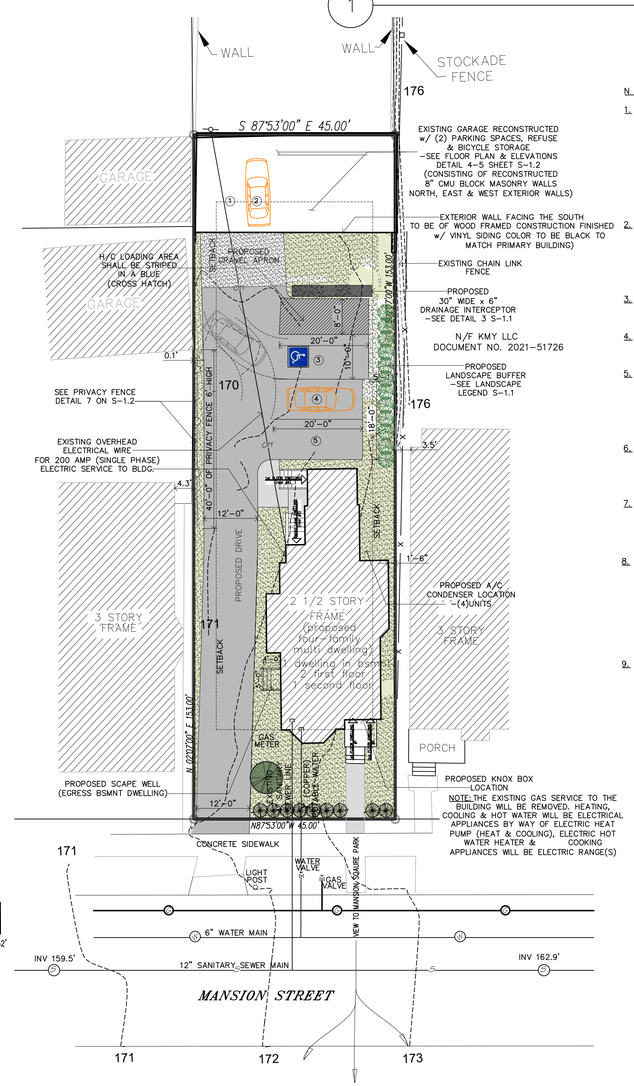



INFORMATION ON SITE PLAN TAKEN FROM SURVEY MAP COMPLETED BY: ROBERT V. OSWALD - LAND SURVEYING DATED FEBRUARY 3, 2023

SANITARY SEWER LINES & WATER SERVICE LINES SHOWN IN MANSION STREET PROVIDED BY CITY OF POUGHKEEPSIE ENGINEERING DEPARTMENT FEBRUARY 10, 2025 (THERE ARE NO STORM DRAINAGE CATCH BASINS ALONG THIS PART OF MANSION STREET AS INFORMED BY THE CITY OF POUGHKEEPSIE ENGINEERING DEPARTEMENT)

2 EXISTING SITE PLAN

SCALE: 1/16" = 1'-0"




1/16"=1'-0"

0' 16' 32'

3 PROPOSED SITE PLAN

SCALE: 1/16" = 1'-0"

**NOTES TO DRAWING:**

1. ALL UNDERGROUND UTILITIES SHOWN ON THIS PLOT PLAN ARE APPROXIMATE. UTILITY LOCATIONS SHOWN FOR WATER, SANITARY SEWER LINE LOCATIONS WERE PROVIDED BY CITY OF POUGHKEEPSIE ENGINEERING DEPT. ALL OTHER UTILITIES ARE LOCATED BASED ON LOCATION OF VALVES IN EXISTING SIDEWALK. EXACT LOCATIONS BELOW GROUND LINE MAY VARY.
2. THERE ARE NO EXISTING EASMENTS, RESERVATIONS AND REARS DEDICATED TO PUBLIC USE, EXISTING COVENANTS OR DEED RESTRICTIONS WITHIN, ADJACENT OR OTHERWISE PERTAINING TO THE PROPERTY WHICH ARE KNOWN. NONE OF THE FORMER ARE PROPOSED.
3. THERE ARE NO WATERSOURSES, MARSHES, WOODED AREAS, ROCK OUTCROPS ISOLATED TREES WITHIN THE SITE.
4. THERE ARE NO KNOWN AREAS SUBJECT TO STORM WATER OVERFLOWS OR 100 YEAR FLOOD PLAIN WITHIN THE PROPERTY.
5. THERE ARE NO PROPOSED FIRE ALARM BOXES AND OR CONNECTIONS TO THE CITY FIRE ALARM SYSTEM AT THIS TIME. A KNOX BOX SHALL BE INSTALLED AT THE FRONT OF BUILDING ADJACENT TO THE TWO DOORS, SEE LOCATION ON PLANS.
6. THE OWNER FOR 175 MANSION STRET HAS THE FINANCIAL MEANS TO COMPLETE THIS PROPOSAL IN TERMS OF FINANCES THROUGH PRIVATE FUNDS, SHALL ALSO BE VERIFIED w/ OWNER.
7. ANY DAMAGE TO THE MANSION STREET SIDEWALKS & STREET DURING CONSTRUCTION SHALL BE REPLACED AND RESTORED TO ORIGINAL CONDITION @ OWNERS EXPENSE.
8. 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.
9. THE EXISTING GAS SERVICE TO THE BUILDING WILL BE REMOVED. HEATING, COOLING & HOT WATER WILL BE ELECTRICAL APPLIANCES BY WAY OF ELECTRIC HEAT PUMP (HEAT & COOLING), ELECTRIC HOT WATER HEATER & COOKING APPLIANCES WILL BE ELECTRIC RANGE(S)

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


DESIGN AND DRAWINGS PREPARED BY:

JOHN V. SULLIVAN - associate a.i.a.
16 BARCLAY STREET
POUGHKEEPSIE, NY

WILLIAM MOREAU, P.E.
60 RYMPH ROAD
LA GRANGEVILLE, NY

PROPERTY OWNER:

SHANE BARTHOLOMEW
70 WHITTIER BLVD
POUGHKEEPSIE, NY 12603


| Date | Issue |
|---|---|
| 12.27.2024 | ISSUED TO OWNER FOR REVIEW |
| 12.30.2024 | ISSUED TO CITY OF POUGH. (ZRR) FOR REVIEW |
| 2.15.2025 | ISSUED TO OWNER FOR REVIEW |
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Project Title

SITE PLAN APPLICATION FOR A PROPOSED FOUR-FAMILY MULTI-DWELLING UNIT BLDG.
(change in use from an existing single single-family residence)

175 Mansion Street
City of Poughkeepsie, NY

Drawing Title

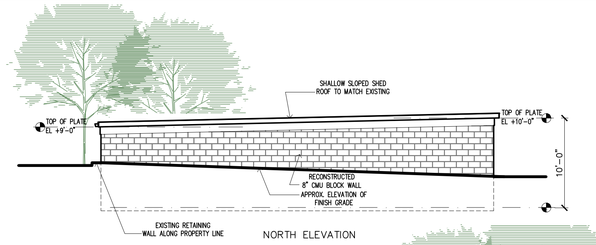
Vicinity Map, Zoning Chart, Existing & Proposed Site Plan(s) Legends & Notes

| | |
|---|---|
| Project No. | 2438 |
| Date | 12.3.2024 |
| Scale | AS NOTED |
| Drawing by | JVS |
| Checked by | |

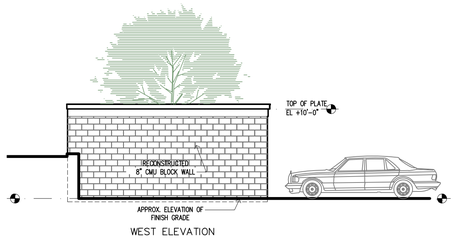
STATE OF NEW YORK WILLIAM J. MOREAU 081 Reg. Details LICENSED PROFESSIONAL ENGINEER

Drawing No.

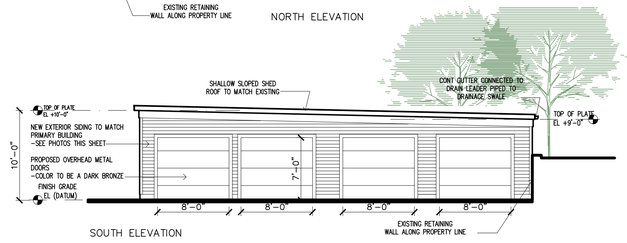
S-1.0



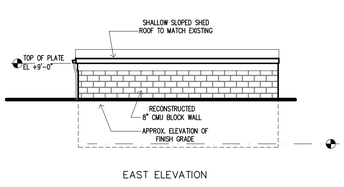

NORTH ELEVATION




WEST ELEVATION



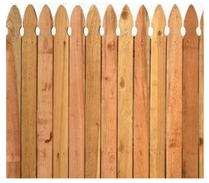

SOUTH ELEVATION




EAST ELEVATION

## 6 GARAGE EXTERIOR ELEVATION IMPROVEMENTS

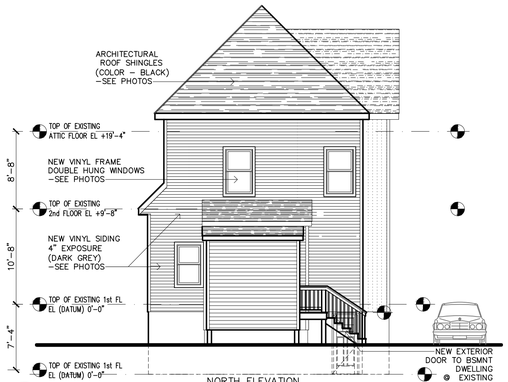
SCALE: 1/8" = 1'-0"



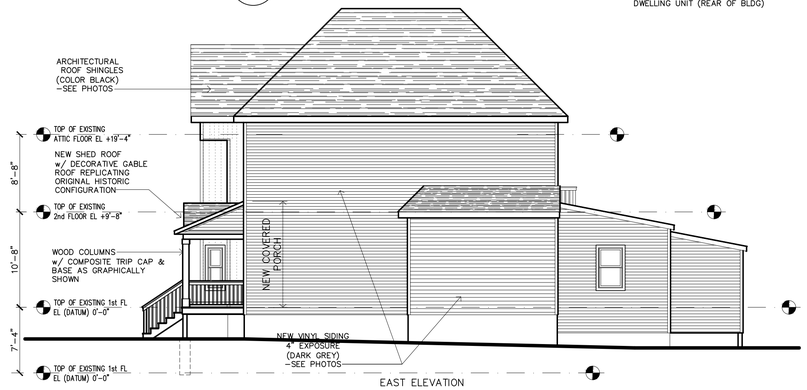
## 7 FENCE DETAIL

SCALE: NONE

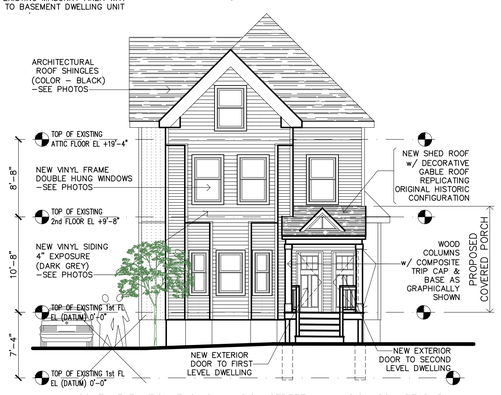
WEST ELEVATION




NORTH ELEVATION



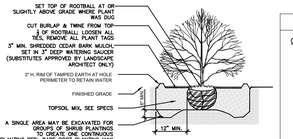

EAST ELEVATION

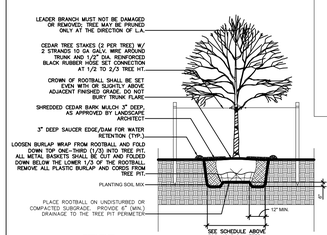



SOUTH ELEVATION FACING MANSION STREET & MANSION SQAURE PARK

## 5 EXTERIOR ELEVATIONS (PRIMARY BUILDING) IMPROVEMENTS

SCALE: 1/8" = 1'-0"



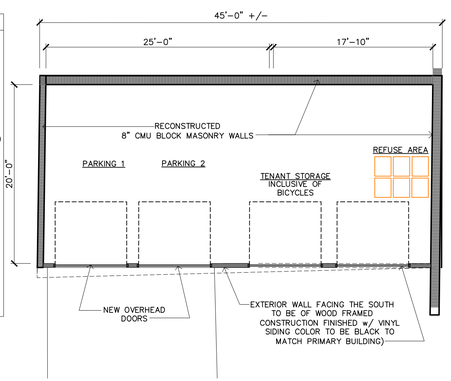




| ROOT BALL DIAMETER | DEPTH BELOW FINISH OF ROOT BALL |
|---|---|
| LESS THAN 4 FT DIA. | 2X BALL DIA 6 IN |
| 4-5 FT DIA. | 1-1/4X BALL DIA 8 IN |
| OVER 5 FT DIA | 1 1/2X BALL DIA 8 IN |

| LANDSCAPE LEGEND | | |
|---|---|---|
| QUANTITY | | |
| 9 | | ILEX CRENATA 'COMPACTA' (SPACED 3'-0" ON CENTER) |
| 1 | | VIBURNAM "LEATHER-LEAF" (5'-0" HEIGHT) |
| 12 | | SKIP LAUREL (4'-0" HEIGHT) (SPACED 3'-0" ON CENTER) |

LANDSCAPE NOTES:

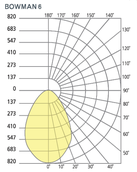
1. All new plantings shall be 5 gallon containers sizes.
2. Prior to the start of construction or excavation, trees to be retained shall be protected by silt fence, snow fence, construction fence, or equal, which will be placed at the drip line or several feet beyond; however, the fencing shall not encroach on sidewalks. No storage or stockpiling of construction materials, debris or equipment shall occur within the fenced area.
3. Lawn / grass areas shall be seeded with a mixture of 50%-60% kentuckey blue, 20% perennial rye and 20% fine or red fescue.
4. The owner of record shall maintain all landscaping as shown on the site plan throughout the duration of use.




## 4 RECONSTRUCTED GARAGE FLOOR PLAN w/ (2) PARKING SPACES, REFUSE AREA & STORAGE

SCALE: 1/8" = 1'-0"

PHOTOMETRICS*




PROPOSED EXTERIOR WALL SCONCE MOUNTED DOWN

BOWMAN 6
shown in black

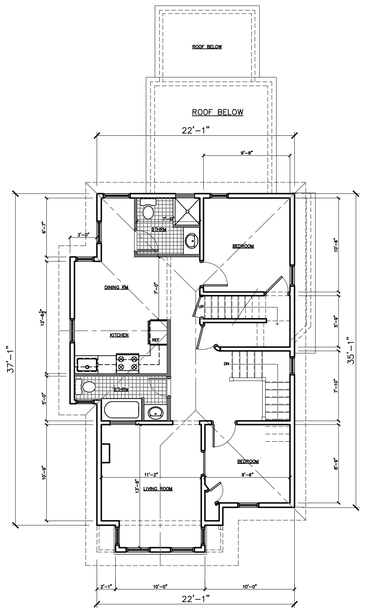
SPECIFICATIONS

| | |
|---|---|
| DELIVERED LUMENS | 1163 |
| WATTS | 47.2 |
| VOLTAGE | 120V, 277V |
| DIMMING | ELV |
| LIGHT DISTRIBUTION | Symm |
| MOUNTING OPTIONS | Downlight |
| CCT | 2700K**, 3000K |
| CRI | 80+ |
| COLOR BINNING | 3 Step |
| BUG RATING | B1-U0-G0 |
| DARK SKY | Compliant |
| WET LISTED | IP65 |
| GENERAL LISTING | ETL |

BOWMAN 6 WALL SCONCE

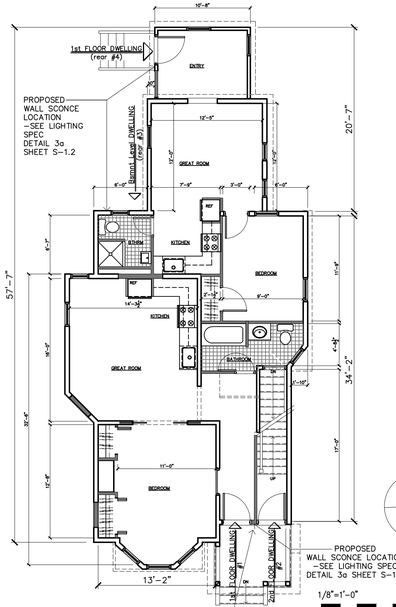
## 3 PROPOSED WALL SCONCE

SCALE: none



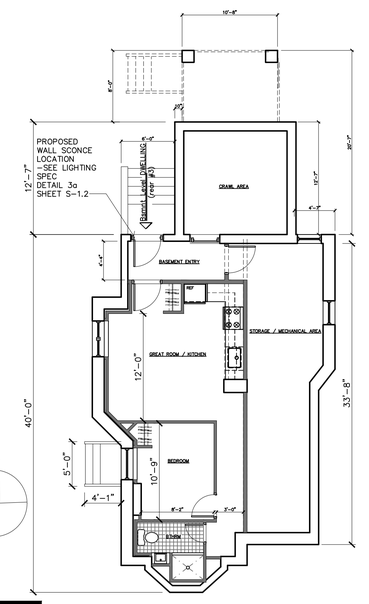

## 2 SECOND FLOOR DWELLING UNIT FLOOR PLAN

820 square feet SCALE: 1/8" = 1'-0"




## 1 FIRST FLOOR DWELLING UNIT FLOOR PLAN

1,015 square feet SCALE: 1/8" = 1'-0"




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

## 0 BASEMENT DWELLING UNIT FLOOR PLAN

425 square feet SCALE: 1/8" = 1'-0"

### EXCAVATION NOTE:

PRIOR TO THE COMMENCEMENT OF ANY EXCAVATION THE GENERAL CONTRACTOR SHALL CONTACT "DIG SAFELY NEW YORK 811" FOR ALL UNDERGROUND UTILITIES TO BE LOCATED AND MARKED FOR PRECISE LOCATION

Dig Safely. New York Call 811 before you dig


DESIGN AND DRAWINGS PREPARED BY:

JOHN V. SULLIVAN - associate a.i.a.
16 BARCLAY STREET
POUGHKEEPSIE, NY

WILLIAM MOREAU, P.E.
60 RYMPH ROAD
LA GRANGEVILLE, NY

PROPERTY OWNER:

SHANE BARTHOLOMEW
70 WHITTIER BLVD
POUGHKEEPSIE, NY 12603


| Date | Issue |
|---|---|
| 2.15.2025 | ISSUED TO OWNER FOR REVIEW |
| 2.24.2025 | ISSUED w/ PLANNING BOARD APPLICATION |
| 3.25.2025 | REVISIONS AS PER JUDITH KNAUSS EMAIL COMMENTS |
| 5.8.2025 | ISSUED REVISIONS AS PER WORKSHOP MTG |

Project Title

SITE PLAN APPLICATION FOR A PROPOSED FOUR-FAMILY MULTI-DWELLING UNIT BLDG. (change in use from an existing single single-family residence)

# 175 Mansion Street

City of Poughkeepsie, NY

Drawing Title

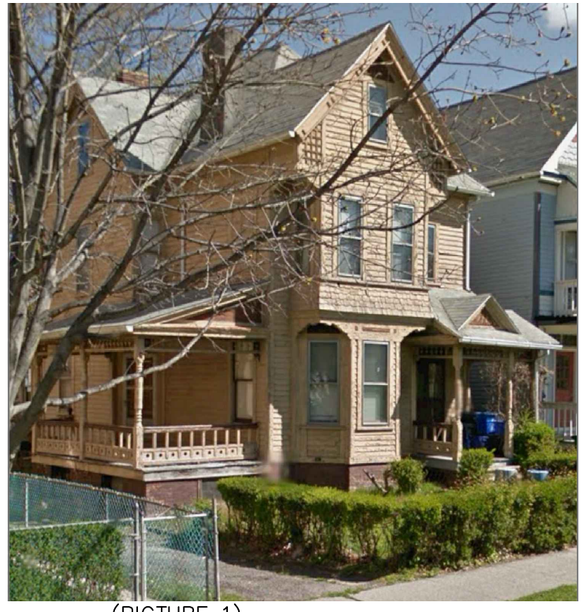
Landscaping Legend /Details, Lighting, Floor Plan(s), Ext. Photos Erosion Control, Drainage & Misc. Details

| | |
|---|---|
| Project No. | 2438 |
| Date | 12.3.2024 |
| Scale | AS NOTED |
| Drawing by | JVS |
| Checked by | |

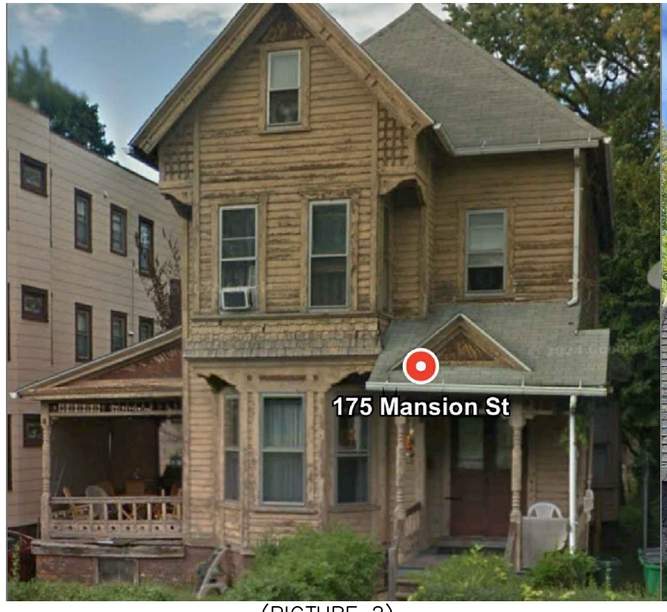
STATE OF NEW YORK — WILLIAM J. MOREAU — 082 DECKER — PROFESSIONAL ENGINEER

Drawing No.

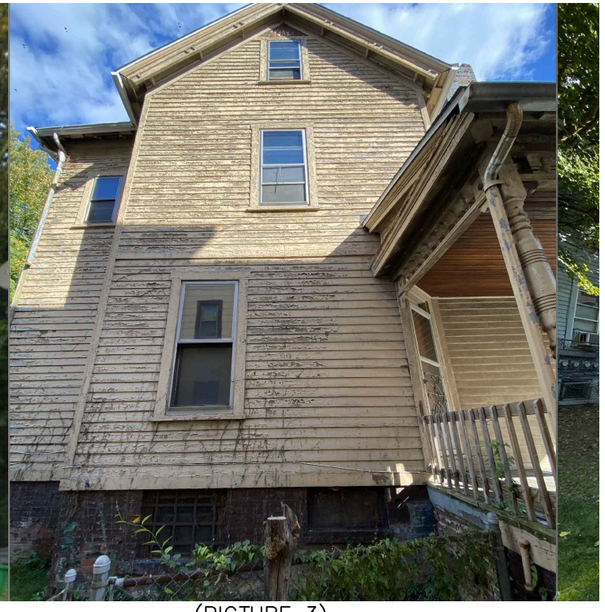
S-1.2



(PICTURE 1)
MANSION STREET VIEW & WEST WALL

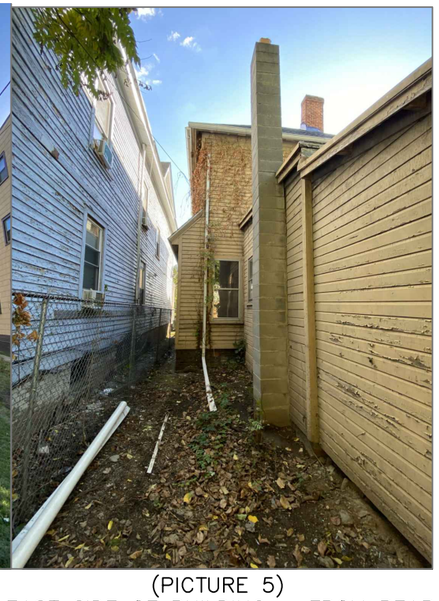



(PICTURE 2)
MANSION STREET VIEW

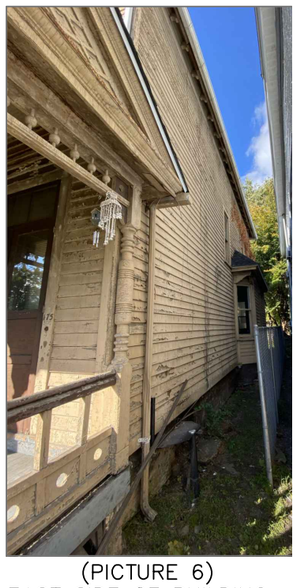


(PICTURE 3)
WEST SIDE OF BUILDING

(PICTURE 4)
NORTH SIDE OF BUILDING



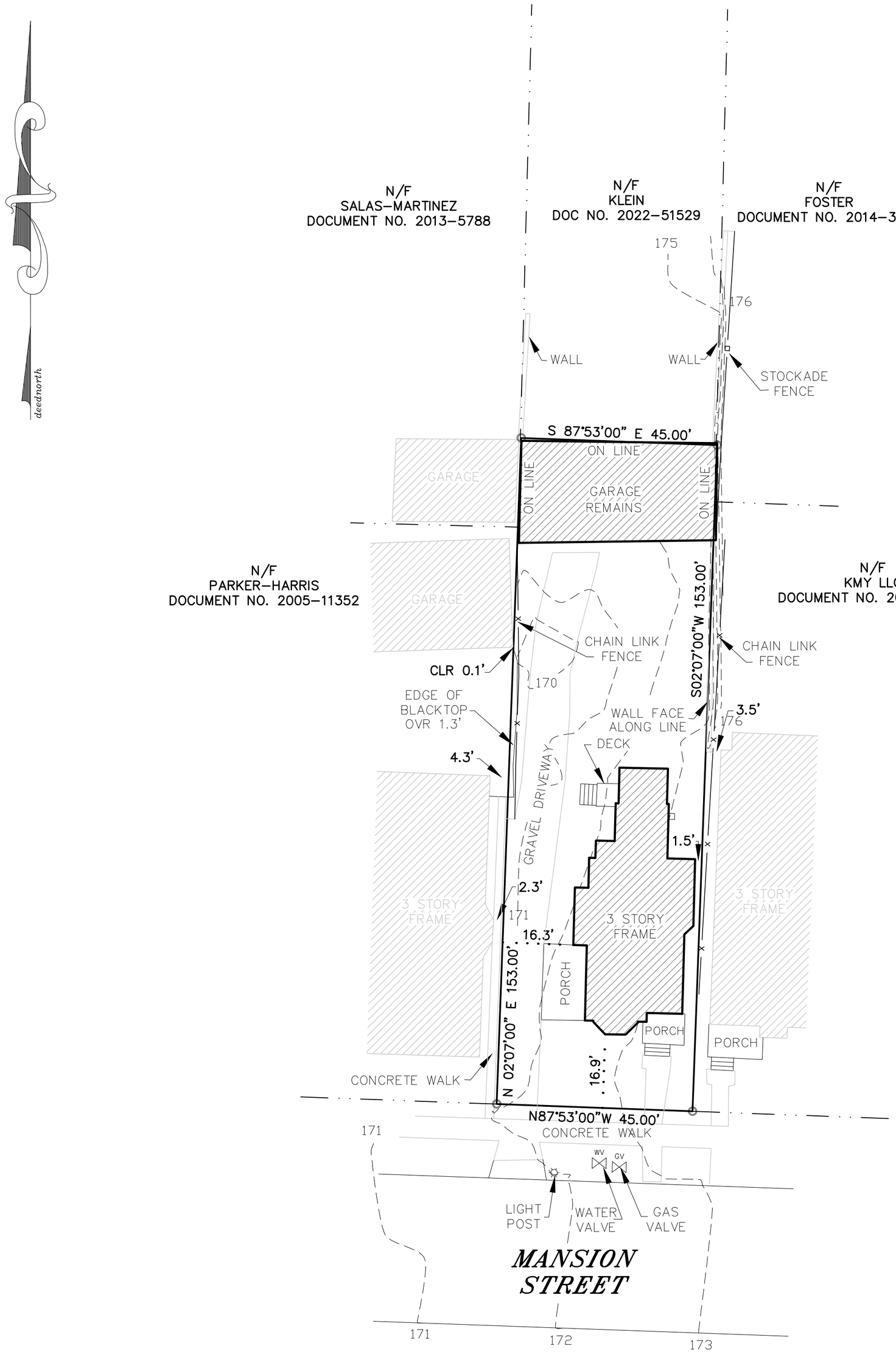
(PICTURE 5)
EAST SIDE OF BUILDING – FROM REAR



(PICTURE 6)
EAST SIDE OF BUILDING – FROM FRONT

## EXTERIOR PHOTOS – PRIOR TO 2024

SCALE: NONE




AREA=0.16 ACRES +/–

CERTIFIED TO:
1.SHANE BARTOLOMEW
2.
3.
4.

NOTES:
1. BEING THE SAME PARCEL AS DESCRIBED IN THE LIBER DOCUMENT NUMBER 2015–539 AND SUBJECT TO RESTRICTIONS AND CONDITIONS THEREIN.
2. TOGETHER WITH ANY RIGHT, TITLE OR INTEREST IN AND TO THE CENTER OF THE PUBLIC ROADS SHOWN HEREON.
3. BEING LOT NO._____ AS SHOWN ON FILED MAP NO._____.
4. UNAUTHORIZED ALTERATION OR ADDITION TO A SURVEY MAP BEARING A LICENSED LAND SURVEYORS SEAL IS A VIOLATION OF SECTION 7209, SUBDIVISION 2, OF THE NEW YORK STATE EDUCATION LAW.
5. ONLY COPIES FROM THE ORIGINAL OF THIS SURVEY MARKED WITH AN ORIGINAL OF THE LAND SURVEYOR'S EMBOSSED SEAL SHALL BE CONSIDERED TO BE VALID TRUE COPIES.
6. CERTIFICATIONS INDICATED HEREON SIGNIFY THAT THIS SURVEY WAS PREPARED IN ACCORDANCE WITH THE EXISTING CODE OF PRACTICE FOR LAND SURVEYS ADOPTED BY THE NEW YORK STATE ASSOCIATION OF PROFESSIONAL LAND SURVEYORS. SAID CERTIFICATIONS SHALL RUN ONLY TO THE PERSONS FOR WHOM THE SURVEY IS PREPARED, AND ON HIS BEHALF TO THE TITLE COMPANY, GOVERNMENTAL AGENCY AND LENDING INSTITUTION LISTED HEREON, AND TO THE ASSIGNEES OF THE LENDING INSTITUTION. CERTIFICATIONS ARE NOT TRANSFERABLE TO ADDITIONAL INSTITUTIONS OR SUBSEQUENT OWNERS.
7. THIS SURVEY IS SUBJECT TO ANY FINDINGS OF A TITLE SEARCH.
8. SUBSURFACE STRUCTURES AND UTILITIES WHICH WERE NOT VISIBLE AT THE TIME OF THE SURVEY HAVE NOT BEEN SHOWN.
9. ©ALL RIGHTS RESERVED. COPYING OR REPRODUCTION OF THIS PLAN OR ANY PORTION THEREOF PROHIBITED WITHOUT THE WRITTEN PERMISSION OF THE DESIGN ENGINEER / SURVEYOR.

FILE NO.2022:271

# MAP OF SURVEY FOR THE LANDS OF SHANE BARTOLOMEW

CITY OF POUGHKEEPSIE — DUTCHESS CO.,N.Y.

SCALE: 1" = 20' — FEBRUARY 3, 2023


ROBERT V. OSWALD
LAND SURVEYING
175 WALSH ROAD, LAGRANGEVILLE, NEW YORK 12540
(845)–226–6436 FAX (845) 226–1315


NEW YORK STATE

LICENSE NO. 50031

(PICTURE 1)
MANSION STREET VIEW & EAST WALL

(PICTURE 2)
MANSION STREET VIEW (1st FLOOR & 2nd & 2nd FLOOR DWELLING UNIT ENTRANCE)

(PICTURE 3)
MANSION STREET VIEW & WEST WALL

(PICTURE 4)
WEST WALL VIEW (REMANENCE OF PORCH TO BE REMOVED)

PROPOSED BALCONY LOCATION
(2ND FLOOR DWELLING)

(PICTURE 5)
WEST & NORTH WALL VIEW

LOCATION OF EXTERIOR DOOR TO FIRST FLOOR REAR DWELLING

(PICTURE 6)
PARTIAL EAST & NORTH WALL VIEW

BASEMENT DWELLING UNIT AREA WAY / ENTRY

(PICTURE 7)
NORTH WALL VIEW (REAR OF BUILDING)

(PICTURE 8)
VIEW OF EXISTING GARAGE

EXISTING DILAPIDATED GARAGE TO BE RECONSTUCTED

# EXISTING EXTERIOR PHOTOS

SCALE: NONE

**(175 MANSION STREET)** Poughkeepsie, New York

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:** 149 Cannon St (131300-6161-23-276969)

**II. PROPERTY OWNER:** 5COPNY LLC
**ADDRESS:** PO Box 8010
Pelham
NY, 10803 (state and zip code)

**PHONE NUMBER**: c/o 845-874-7166 (include area code)

**III. NAME OF APPLICANT**: Same as owner

**ADDRESS:** _____

_____

_____ (state and zip code)

**PHONE NUMBER**: same as owner (include area code)

**EMAIL ADDRESS:** c/o natalie@karcpc.com

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

**IV. CONSULTANT**: KARC Planning Consultants, Inc.

**ADDRESS:** PO Box 924
Poughkeepsie
NY, 12602 (state and zip code)

**PHONE NUMBER**: 845-874-7166 (include area code)

**EMAIL ADDRESS:** natalie@karcpc.com

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

Consutruction of a 4-family residential building on a vacant lot.

**VI. ZONING DISTRICT**: RNC

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

Revised January 2025: Previous Editions Obsolete

## PROJECT INFORMATION

New construction: X (yes) _____ (no) Vacant -> 4-Family

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: 0.215 (acres) 9,366 (square feet)

Building Footprint: 2,900 SF (proposed square feet for new construction)

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

NA (additional proposed square feet for expansion)

2,900 SF (total building footprint, square feet)

Lot Coverage: 31.0% (percentage, building coverage only)

Gross Floor Area: 5,800 SF (proposed square feet for new construction)

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

NA (additional proposed square feet for expansion)

5,800 SF (total gross floor area, square feet)

Building Height: 2 (stories) 34' 2" (feet)

Floor Area Ratio: 0.62 (ratio of gross floor area divided by lot area)

## VIII. PROJECT PARKING INFORMATION

A) Number of Off-Street Parking Spaces required: 5

B) Number of Off-Street Parking Spaces provided: 10

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: 4-Family residential
(Townhouse, condominium, multiple residence rental, etc.)

B) Unit Breakdown:

Number of efficiency or "studio" units: 0

Number of one (1) bedroom units: 0

Number of two (2) bedroom unit's 2

Number with three or more bedrooms: 2

Total number of units: 4

C) Is funding public?____Yes__X__No
If yes, describe funding source: _____

## X. OFFICE PROPOSALS (____Medical/Dental_____Professional_____Business)

A) Number of Employees: _____
B) Number of doctors/dentists/medical practitioners: _____
C) Days/Hours of Operation: _____

**XI. SERVICE BUSINESS PROPOSALS**

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

B) Number of Employees: _____

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

D) Days/Hours of Operation: _____

**XII. MERCANTILE PROPOSALS** (Retail_____Wholesale_____)

A) Type of Mercantile (specify): _____

B) Number of Employees: _____

C) Days/Hours of Operation: _____

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

A) Specify Use: _____

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

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

D) Type of Menu: _____

E) Days/Hours of Operation: _____

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

G) Will the restaurant contain a bar/lounge?: _____Yes_____No

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

I) Is a drive-through window proposed? _____

J) Is a walk-up window proposed? _____

K) Is an outdoor seating area proposed? _____

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

M) If yes, is outdoor cooking proposed? _____

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

A) Specify Use: _____

B) Number of shifts (if any): _____

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

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

F) Days/Hours of operation: _____

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

A) Specify: _____

B) Number of shifts (if any): _____

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

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

E) Number of seats in largest assembly space: _____

F) Number of classrooms (schools): _____

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

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

I) Days/Hours of Operation: _____

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

_____

_____

_____

_____

_____

**XVII. APPLICANT CERTIFICATION**

I, Natalie Quinn, agent for applicant, 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.

_____ March 25, 2025

Signature of Applicant Date

KARC
PLANNING CONSULTANTS, INC.

March 24, 2025

To whom it may concern:

Please accept this letter as written authorization that KARC Planning Consultants, Inc. is authorized to sign as Agent on behalf of Kaylas Bhiro, 5 COPNY, LLC, property owner of 149 Cannon Street, with respect to permits and applications before the City of Poughkeepsie.

Sincerely,

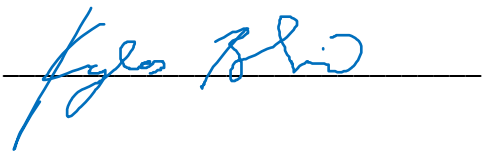
PO Box 924 | Poughkeepsie, NY 12602 | 845.594.1055 | kelly@karcpc.com
DBE Certified | WBE Certified in NY and NJ | US SBA WOSB & EDWOSB Certified

March 24, 2025

To whom it may concern:

As the owner of 151 Cannon Street, I, Kaylas Bhiro of 2 COPNY LLC, hereby grant authorization for the construction of the shared use of parking between 151 Cannon Street and 149 Cannon Street.

Sincerely,



KARC
PLANNING CONSULTANTS, INC.

May 13, 2025

Lori Garcia, Board Administrative Assistant
City of Poughkeepsie Development Department
62 Civic Center Plaza
Poughkeepsie, NY 12601

**Re: 149 Cannon St**
**Parcel No. 131300-6161-23-276969**
**City of Poughkeepsie**
**Site Plan Application**

Dear Ms. Garcia:

The applicant is seeking to construct a 4-family residential building on a vacant lot located at 149 Cannon St (Lot 276969). The property is approximately 0.215 acres (9,366 sq ft). The project area is in the Residential Neighborhood C (RNC) District, which is classified as a residential district.

The applicant is proposing to construct a 2-story residential structure with 4 units, which is permitted in the RNC district. The building will be a mix of 2- and 3-bedroom units. Each unit will contain its own entrance to the unit via a covered entryway, one on the street frontage and the remaining three on the south side of the lot connecting directly to a pedestrian walkway along the driveway. The proposal also includes a shared driveway and parking facility with the neighboring property at 151 Cannon Street.

The applicant is providing 10 parking spaces in the rear of the lot, which exceeds the requirement of 5 parking spaces for the proposed 4-family residential building. Landscaping is proposed around the property to aid in shielding the parking area.

**Below please find responses to the Site Plan Checklist prepared by Judith Knauss dated April 1, 2025:**
*Note: Responses below are for any items marked ‘no’ on the site plan checklist as well as any additional comments.

- *Does the application comply with the requirements of the Zoning Ordinance?*

  **Response:** The applicant submitted an area variance application to the Zoning Board of Appeals in response to the Deficiency Letter dated April 1, 2025.

- *Name and address of owner of record appears on plan. Owner listed as both 4 COPNY and 5 COPNY.*

  **Response:** The owner of record is 5 COPNY and has been updated on the site plan.

- *Existing zoning for parcel and adjacent parcels.*

  **Response:** Existing zoning for the adjacent parcels are now shown on site plan sheet CI102.

- *Professional signature and seal on plan, as required by law.*

  **Response:** The plans have been signed and sealed.

- *Plan view must show all existing features extending a minimum of twenty-five (25) feet past the property boundary lines.*

  **Response:** All existing features within twenty-five (25) feet of the property boundary are now shown on the site plan.

- *Outlines and descriptions of all structures (including those on adjacent parcels within 25 feet). Structure at 145 not indicated.*

  **Response:** Outlines and descriptions of the structures within twenty-five (25) feet are now shown on site plan sheet CI102.

- *Proposed screening and landscaping, with a planting plan and fence details, in keeping with Section 19-6.5 of the Zoning Ordinance.*

  **Response:** Screening and landscaping are proposed on the West side of the property. The applicant is now proposing some landscaping on the East side of the property, although a variance is still being sought as the landscaping does not entirely shield the parking lot due to the configuration of the lot.

- *Location, direction, power and time of use of any proposed outdoor lighting or public address systems. Provide an Isometric Footcandle Distribution Diagram, maximum*

*illuminance levels shown in footcandle measurements on a grid of the site showing readings in every ten-foot square, overlaid on the site plan, as a separate sheet or view. One-half (1/2) foot candle is recommended. All lights to be shielded to prevent glare on adjoining properties, including public property.*

**Response:** A lighting diagram has been provided on site plan sheet CI101.

- *An outline of any proposed easements, deed restrictions, covenants or rights-of-way and a notation of any areas to be dedicated to a public agency, and any public improvements contemplated on or adjoining the property. If none, so note. Mentioned but not detailed.*

  **Response:** The applicant is proposing a shared parking agreement between 149 Cannon Street and 151 Cannon Street. Please see the attached draft Reciprocal Cross-Access Easement Agreement. This is also noted on site plan sheet CI101.

- *A determination of storm water quality requirements based on NYSDEC Phase II requirements. Further, ANY improvements within the Fallkill Creek watershed, which has been declared a 303(D) impaired watershed, require full stormwater treatment as per NYSDEC.*

  **Response:** The number of stormwater units proposed has been increased to accommodate the enhanced phosphorus reduction watershed. Please see site plan sheet CU101 for more details.

- *Show plans for all proposed stormwater improvements. Applicant shall mitigate storm to historic run-off rates for the 10-year storm.*

  **Response:** The number of stormwater units proposed has been increased to accommodate the 10-year storm requirements. Please see site plan sheet CU101 for more details.

- *No accessible parking indicated.*

  **Response:** An accessible parking space is now shown in the shared parking lot. Although it is not on the 149 Cannon Street property, City staff confirmed at the April 23, 2025 workshop that placement of the ADA space can be on the 151 Cannon Street property.

**Below please find responses to comments prepared by Dutchess County Department of Planning and Development prepared by Dylan Tuttle dated April 15, 2025:**

*A lighting plan was not provided. A search for details about the fixtures listed in the lighting schedule shows that the pole lights are 13,000 lumens and have a 5000K color temperature. The wall-mounted fixtures have a range of brightness and color temperature options that do not appear to be specified in the plans. We suggest that a fixture with a maximum color temperature of 3000K be selected, and that a lighting plan be provided to ensure even, reasonable lighting for safety and visibility without unnecessary hot spots or glare.*

**Response:** Lighting fixtures will be set at a temperature of 3,000K or less. See site plan sheet CI101 for the lighting schedule.

**Below please find responses to comments made by City Staff at the April 23, 2025 Planning Board Workshop meeting that are not addressed above.**

- Confirm the building does not need to be sprinklered.

  **Response:** Due to the fire wall separation, the building is classified as two 2-family houses and therefore does not require to be sprinklered.

- The Fire Department requests a Knox box to be provided on site with keys to all units.

  **Response:** A knox box will be provided. A note has been added to site plan sheet CI101.

- Show fire rating separation for the storage area as it is classified as a separate use.

  **Response:** A fire rating separation for the storage area is now shown on the floor plans.

- Add utility connection details to the site plan.

  **Response:** Utility connection details have been added to site plan sheet CU504.

- On the West elevations, buildings that are within 5 feet of the property line can have a maximum of 25% for exterior wall openings. Confirm the building meets this requirement.

  **Response:** The exterior wall openings on the West elevation are less than 25%. Please see the calculation directly under the West elevation drawing.

KARC
PLANNING CONSULTANTS, INC.

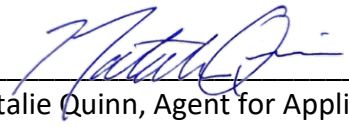
Enclosed, please find the following:

1. Cover Letter with responses to comments
2. Draft Reciprocal Cross-Access Easement Agreement
3. Site Plan
4. Elevations
5. SWPPP

Please advise if you require anything further to complete your review.

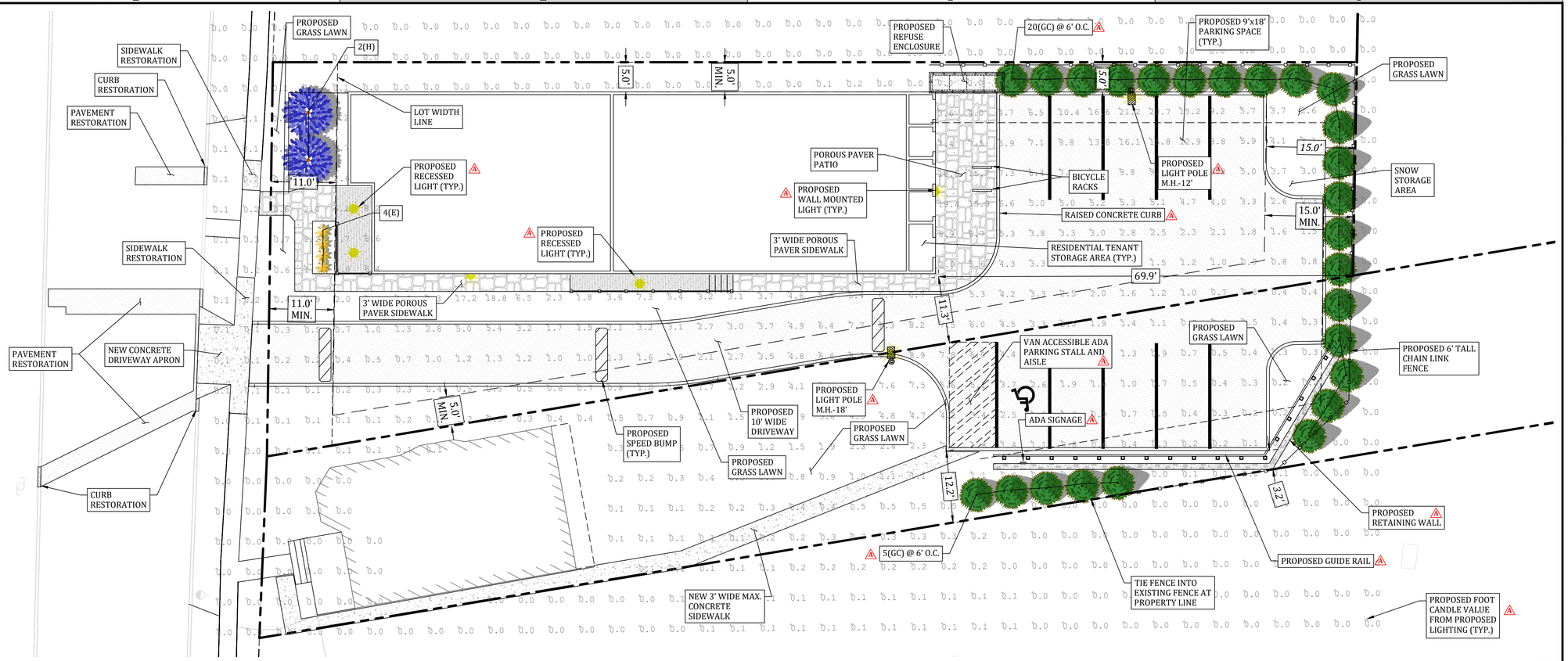
Thank you.

Sincerely,



Natalie Quinn, Agent for Applicant

PO Box 924 |Poughkeepsie NY 12602 | 845.874.7166 | natalie@karcpc.com
DBE Certified |WBE in NY and NJ |US SBA WOSB & EDWOSB Certified

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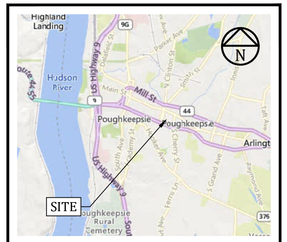
1 OVERALL SITE PLAN
SCALE: 1" = 10'




6 LOCATION MAP
1" = 5000'

**TEED ENGINEERING, PLLC**
**NYSDOE COA # 0021016**
**UNTIL 10/31/2026**

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**SPECIAL EMERGENCY ACCESS NOTE** ⚠
*A KNOX BOX SHALL BE PROVIDED FOR EMERGENCY ACCESS TO EACH UNIT (EITHER MASTER KEY OR 4 SEPARATE KEYS).*

**SPECIAL STORAGE NOTE** ⚠
*THERE SHALL BE NO STORAGE OF HIGHLY COMBUSTIBLE OR HAZARDOUS MATERIALS IN THE RESIDENTIAL TENANT STORAGE AREAS.*

**LIGHTING SCHEDULE** ⚠

| LOC. | QUANTITY | MANUFACTURER | MODEL NUMBER | HEIGHT | LLF | TOTAL WATTS |
|---|---|---|---|---|---|---|
| POLE MOUNT | 2 | SAVR® | *C-AR-A-SAL3-S22L-SCCT-UL-xx-(75W-40K)* | 12' & 18' | 1.000 | 150 |
| WALL MOUNT | 2 | SAVR® | *E-WAP05A-SCCTBZ* | 8' | 1.000 | 43 |
| RECESSED | 3 | SAVR® | *E-DL6ES10L-SCCT* | 8' | 1.000 | 44.7 |

**NOTES:**
***- ADDITIONAL REQUIRED EQUIPMENT: (2) E-PS4E15CODB. LIGHTING DIAGRAM AS PROVIDED BY E-CONOLIGHT® - 1501 96TH STREET, STURTEVANT WISCONISIN, 53177. (888) 243-9445, WWW.E-CONOLIGHT.COM. INSTALL ALL LIGHTING PER MANUFACTURER REQUIREMENTS.***
***- ALL LIGHT FIXTURES SHALL BE SET AT A TEMPERATURE OF 3,000K OR LESS.***
***- CONTRACTOR SHALL INSTALL A REMOTE DIMMER ON RECESSED LIGHTING TO REDUCE LIGHT LEVELS AS NEEDED.***

e-conolight®

**PLANTING SCHEDULE**

| LABEL | QUANTITY | BOTANICAL NAME | COMMON NAME | SIZE |
|---|---|---|---|---|
| GC | 25 ⚠ | THUJA STANDISHII X PLICATA | *'GREEN GIANT" ARBORVITAE* | 6' TALL |
| H | 2 | HYDRANGEA | *HORTENSIA* | 3 GAL. |
| E | 4 | ECHINACEA | *CONEFLOWER* | 1 GAL. |

**OFF-STREET PARKING REQUIREMENTS**

| DECRIPTION | VEHICLE PARKING SPACES | BICYCLE PARKING SPACES |
|---|---|---|
| MINIMUM REQUIRED | 1.25 SPACES/DWELLING = 5 | 2 |
| PROPOSED | 5* | 2 |

***PARKING FACILITY WILL BE SHARED BETWEEN 149 AND 151 CANNON STREET VIA A RECIPROCAL CROSS-ACCESS AGREEMENT. FIVE (5) ADDITIONAL SPACES ARE BEING PROVIDED FOR 151 CANNON STREET, WHICH CURRENTLY HAS NO OFF-STREET PARKING***

**ZONING COMPLIANCE - RNC "RESIDENTIAL NEIGHBORHOOD C" DISTRICT**

| DESCRIPTION | PRINCIPAL PERMITTED USES | LOT AREA | | LOT COVERAGE | LOT WIDTH | BUILDING FRONT YARD | BUILDING SIDE YARD | BUILDING REAR YARD | PARKING FRONT YARD | PARKING SIDE YARD | PARKING REAR YARD | BUILDING HEIGHT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| UNITS | MULTI-FAMILY RESIDENCE (4 UNITS) | (SQ. FT.) | (AC.) | (%)-MAX. | (FT.) | (FT.) | (FT.) | (FT.) | (FT.) | (FT.) | (FT.) | (FT.)-MAX. |
| MINIMUM REQUIRED | | 6,000 | 0.14 | 70 | 25.0 | 11 | 5.0 | 15.0 | 16.0 | 10.0 | 5.0 | 35.0 |
| PROPOSED CONDITION | 4 UNIT DWELLING | 9,366 | 0.22 | 70.6* | 65.0 | 11.0 | 5.0 | 69.9 | 122.2 | 5.0* | 15.0 | ≤35.0 |

** VARIANCE REQUESTED - BUILDING COVERAGE EXCEEDED BY 0.6%. PROPOSED MITIGATION INCLUDES 570 SQ. FT. OF POROUS PAVER SIDEWALKS AND PATIOS.*
*** VARIANCE REQUESTED - EXISTING LOT WIDTH NOT ADEQUATE FOR VEHICLE PARKING AND VEHICLE MANEUVERING. PROPOSED MITIGATION INCLUDES ROW OF EVERGREEN TREES AS SCREENING WITHIN BUFFER SPACE.*
*LOT COVERAGE FOR 151 CANNON STREET IS 40.4% WHICH INCLUDES THE NEW WALKWAY/PARKING AREA.*

2 CI101 PROPOSED CONSTRUCTION SEQUENCE

THIS PROJECT INVOLVES THE CONSTRUCTION OF A MULTI-FAMILY RESIDENCE ON A VACANT PARCEL. THE PROJECT REQUIRES CONSTRUCTION OF THE RESIDENTIAL STRUCTURE AND DRIVEWAY ALONG WITH ALL ASSOCIATED UTILITIES TO SERVE THE RESIDENTIAL USE INCLUDING A WATER SERVICE, SANITARY SEWER SERVICE, NATURAL GAS SERVICE, UNDERGROUND ELECTRIC, AND UNDERGROUND COMMUNICATIONS. MEASURES FOR CONVEYING AND TREATING STORMWATER RUNOFF ARE ALSO PROPOSED ALONG WITH THE INSTALLATION OF EROSION AND SEDIMENT CONTROL DEVICES TO PREVENT STORMWATER POLLUTION DURING CONSTRUCTION.

THE FOLLOWING IS AN ANTICIPATED SEQUENCE OF CONSTRUCTION:

1. OBTAIN ALL NECESSARY APPROVALS FROM THE CITY OF POUGHKEEPSIE.
2. CONDUCT A PRE-CONSTRUCTION MEETING
3. FILE NECESSARY PAPERWORK FOR OBTAINING PERMITS FOR ALL PROPOSED ACTIVITIES REQUIRING PERMITS.
4. DELINEATE PROPOSED ON-SITE AREAS OF DISTURBANCE WITH ORANGE CONSTRUCTION FENCE.
5. INSTALL PERIMETER EROSION AND SEDIMENT CONTROLS:
   5.1. STABILIZED CONSTRUCTION ENTRANCE
   5.2. SILT FENCE
6. ESTABLISH STAGING AREAS FOR CONSTRUCTION EQUIPMENT, CONSTRUCTION MATERIALS AND SOIL STOCKPILING.
7. CLEARING AND GRUBBING OF THE SITE INCLUDING ANY REQUIRED TREE REMOVAL.
8. STRIP TOPSOIL AND STABILIZE IN SOIL STOCKPILES.
9. PROVIDE ROUGH GRADING AND EARTHWORK
10. STABILIZE ALL DISTURBED AREAS.
11. CONSTRUCT FOOTINGS AND FOUNDATION FOR RESIDENCE AND BACKFILL AS NECESSARY.
12. OBTAIN FOUNDATION SURVEY
13. PROCEED WITH FRAMING OF THE RESIDENTIAL STRUCTURE.
14. PROCEED WITH DEMOLITION WORK WITHIN THE PUBLIC RIGHT-OF-WAY IN ORDER TO INSTALL ALL UNDERGROUND UTILITIES INCLUDING THE WATER SERVICE, SANITARY SEWER SERVICE, GAS SERVICE, ELECTRIC SERVICE, COMMUNICATION SERVICE AND PERMANENT STORMWATER CONVEYANCE INFRASTRUCTURE.
15. PROCEED WITH ADDITIONAL DEMOLITION WORK WITHIN THE PUBLIC RIGHT-OF-WAY (I.E., REMOVAL OF CURBING, OLD DRIVEWAY APRON, AND CONCRETE SIDEWALK) AND NOTIFY ENGINEER/MUNICIPALITY/UTILITY COMPANIES FOR INSPECTION OF INSTALLED UNDERGROUND UTILITIES.
16. PROCEED WITH RESTORATION OF ALL DISTURBED AREAS WITHIN THE PUBLIC RIGHT-OF-WAY.
17. FINALIZE CONSTRUCTION INCLUDING HARDSCAPING (I.E., PAVEMENT, PATIOS, WALKWAYS) AND LANDSCAPING (I.E., SHRUBS, PLANTS AND PERMANENT GRASS COVER).
18. FINALIZE SITE STABILIZATION INCLUDING THE REMOVAL OF ALL TEMPORARY EROSION AND SEDIMENT CONTROL PRACTICES (I.E., CONSTRUCTION ENTRANCE, SILT FENCE, INLET PROTECTION) AND REMOVE ORANGE CONSTRUCTION FENCING.
19. REQUEST CERTIFICATE OF OCCUPANCY.

**LIST OF SHEETS**

| INCLUDED | SHEET NO. | OF | TOT. SHEETS | SHEET ID | SHEET NAME |
|---|---|---|---|---|---|
| + | 1 | OF | 10 | CI101 | COVER SHEET |
| + | 2 | OF | 10 | CI102 | EXISTING CONDITIONS & DEMOLITION PLAN |
| + | 3 | OF | 10 | CG101 | EROSION & SEDIMENT CONTROL PLAN & DETAILS |
| + | 4 | OF | 10 | CG501 | EROSION & SEDIMENT CONTROL NOTES |
| + | 5 | OF | 10 | CU101 | GRADING, DRAINAGE & UTILITY PLAN |
| + | 6 ⚠ | OF | 10 | CU501 | DRAINAGE, SEWER & WATER DETAILS |
| + | 7 ⚠ | OF | 10 | CU502 | DRAINAGE, SEWER & WATER DETAILS |
| + | 8 ⚠ | OF | 10 | CU503 | CITY OF POUGHKEEPSIE STANDARD RIGHT-OF-WAY DETAILS |
| + | 9 ⚠ | OF | 10 | CU504 | CITY OF POUGHKEEPSIE STANDARD UTILITY DETAILS |
| + | 10 ⚠ | OF | 10 | CU505 | CENTRAL HUDSON GAS & ELECTRIC STANDARD UTILITY DETAILS |

**SPECIAL FINANCIAL CAPABILITY NOTE**
*The applicant has the financial capability to complete the proposed development.*

**APPLICANT INFORMATION**
***5 COPNY LLC***
***PO Box 8010***
***Pelham, NY 10803***

**APPLICANT CONSENT**
*The undersigned representative of this property hereon states that they are familiar with the contents of this plan set and hereby consent to all said terms and conditions as stated herein.*

*Signature* *Date*

*Printed Name & Title*

**APPROVAL BLOCK**

**PROFESSIONAL CERTIFICATION:**

STATE OF NEW YORK · JAMES W. TEED, JR. · 094633 · LICENSED PROFESSIONAL ENGINEER

**JAMES W. TEED, JR.**
**094633**

WARNING: IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW, TITLE VII, ARTICLE 145, SECTION 7209 FOR ANY PERSON, UNLESS HE OR SHE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE SEAL OF AN ENGINEER OR LAND SURVEYOR IS ALTERED, THE ALTERING ENGINEER OR LAND SURVEYOR SHALL AFFIX TO THE ITEM HIS OR HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS OR HER SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

TEED ENGINEERING PLLC
CIVIL DESIGN PROFESSIONAL

**TEED ENGINEERING, PLLC**
55 MANSION STREET #535
POUGHKEEPSIE, NY 12601
PHONE: (845) 418-5461
EMAIL: JIM@TEEDENGINEERING.COM

| MARK | # | DESCRIPTION | DATE |
|---|---|---|---|
| | 4 | . | . |
| | 3 | . | . |
| ⚠ | 2 | 04/01/2025 DENIAL LETTER | 05/13/2025 |
| | 1 | INITIAL SUBMISSION | 03/21/2025 |

**SHEET TITLE:**
**COVER SHEET**

**PROJECT NAME AND ADDRESS:**
**5 COPNY LLC**
**149 CANNON STREET**
**POUGHKEEPSIE, NY 12601**

**TAX MAP ID.: 131300-6161-23-276969-0000**

| SCALE: | PROJECT NO.: |
|---|---|
| 1" = 10' | 2502003 |
| SHEET NO.: 1 OF 10 | SHEET ID.: CI101 |

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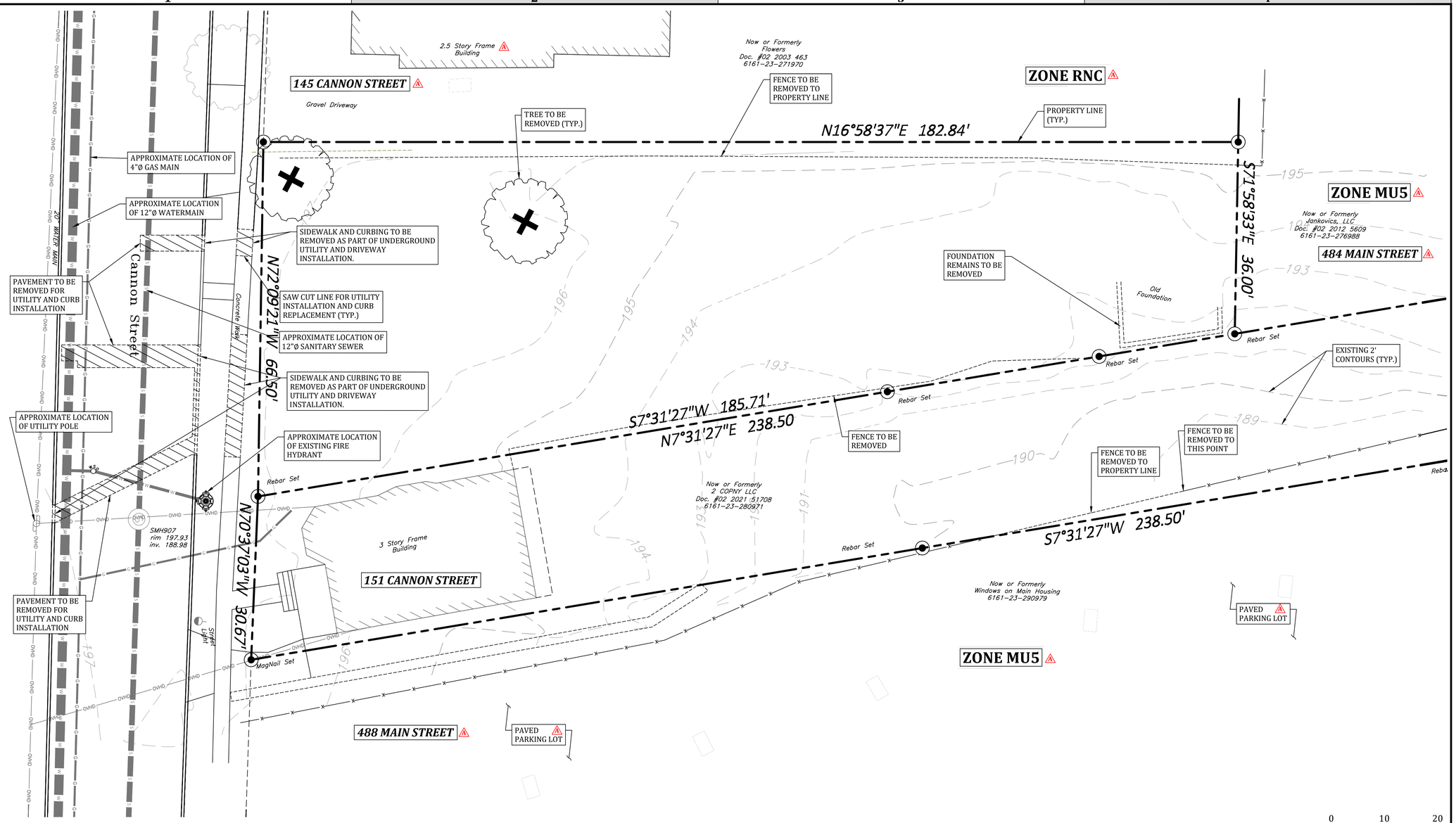
LAST PLOTTED BY: TEED ENGINEERING PLLC | 5/13/2025 8:31 AM




1 EXISTING CONDITIONS & DEMOLITION PLAN
SCALE: 1" = 10'

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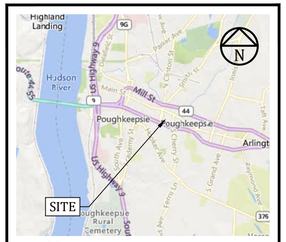
## 2 SITE SPECIFIC NOTES
CI102

1. SURVEY & TOPOGRAPHIC INFORMATION SHOWN HEREON WAS TAKEN FROM A COMBINATION OF A LAND SURVEY PREPARED BY BRENDAN JOHNSON, PLS DATED APRIL 24, 2025 AND ENTITLED "MAP OF A SURVEY PREPARED FOR 2 COPNY, LLC"; NYSGIS AERIAL IMAGERY; NYSGIS TOPOGRAPHY (DATUM NAVD-1929); AND VISUAL OBSERVATIONS BY TEED ENGINEERING, PLLC ON JANUARY 27, 2025.
2. ADDITIONAL INFORMATION SHOWN HEREON IS TAKEN FROM INFORMATION OBTAINED FROM CITY OF POUGHKEEPSIE & CENTRAL HUDSON GAS & ELECTRIC RECORDS.
3. THE SITE IS NOT LOCATED WITHIN A FEMA FLOOD PLAIN PER FIRM MAP NUMBER 36027C0358E.
4. THE SITE IS LOCATED WITHIN THE FALLKILL CREEK WATERSHED WHICH IS A NYSDEC CLASSIFIED 303(D) IMPAIRED WATERSHED REQUIRING ENHANCED PHOSPHOROUS REMOVAL.
5. NO EXISTING EASEMENT, RIGHT-OF-WAYS, SETBACKS, RESERVATION, OR COVENANTS WERE NOTED ON SURVEY.
6. NO WATERCOURSES, MARSHES, ROCK OUTCROPS PR WETLANDS EXIST ON SITE.

**USDA/NRCS SOIL DATA CHART**

| SOIL SYMBOL | DESCRIPTION | SPECIAL PROPERTIES |
|---|---|---|
| Ur | URBAN LAND - VARIABLE SUBSTRATUM | *Assumed Hydrologic group D* |




6 LOCATION MAP
1" = 5000'

**TEED ENGINEERING, PLLC**
**NYSDOE COA # 0021016**
**UNTIL 10/31/2026**

SCAN HERE

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STATE OF NEW YORK · JAMES W. TEED, JR. · LICENSED PROFESSIONAL ENGINEER · 094633

**JAMES W. TEED, JR.**
**094633**

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TEED ENGINEERING PLLC CIVIL DESIGN PROFESSIONAL


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POUGHKEEPSIE, NY 12601
PHONE: (845) 418-5461
EMAIL: JIM@TEEDENGINEERING.COM


| MARK | # | DESCRIPTION | DATE |
|---|---|---|---|
| | 4 | - | - |
| | 3 | - | - |
| ⚠ | 2 | 04/01/2025 DENIAL LETTER | 05/13/2025 |
| | 1 | INITIAL SUBMISSION | 03/21/2025 |

**SHEET TITLE:**
**EXISTING CONDITIONS & DEMOLITION PLAN**

**PROJECT NAME AND ADDRESS:**
**5 COPNY LLC**
**149 CANNON STREET**
**POUGHKEEPSIE, NY 12601**

**TAX MAP ID.: 131300-6161-23-276969-0000**

| SCALE: | PROJECT NO.: |
|---|---|
| 1" = 10' | 2502003 |
| **SHEET NO.:** 2 OF 10 | **SHEET ID.:** CI102 |

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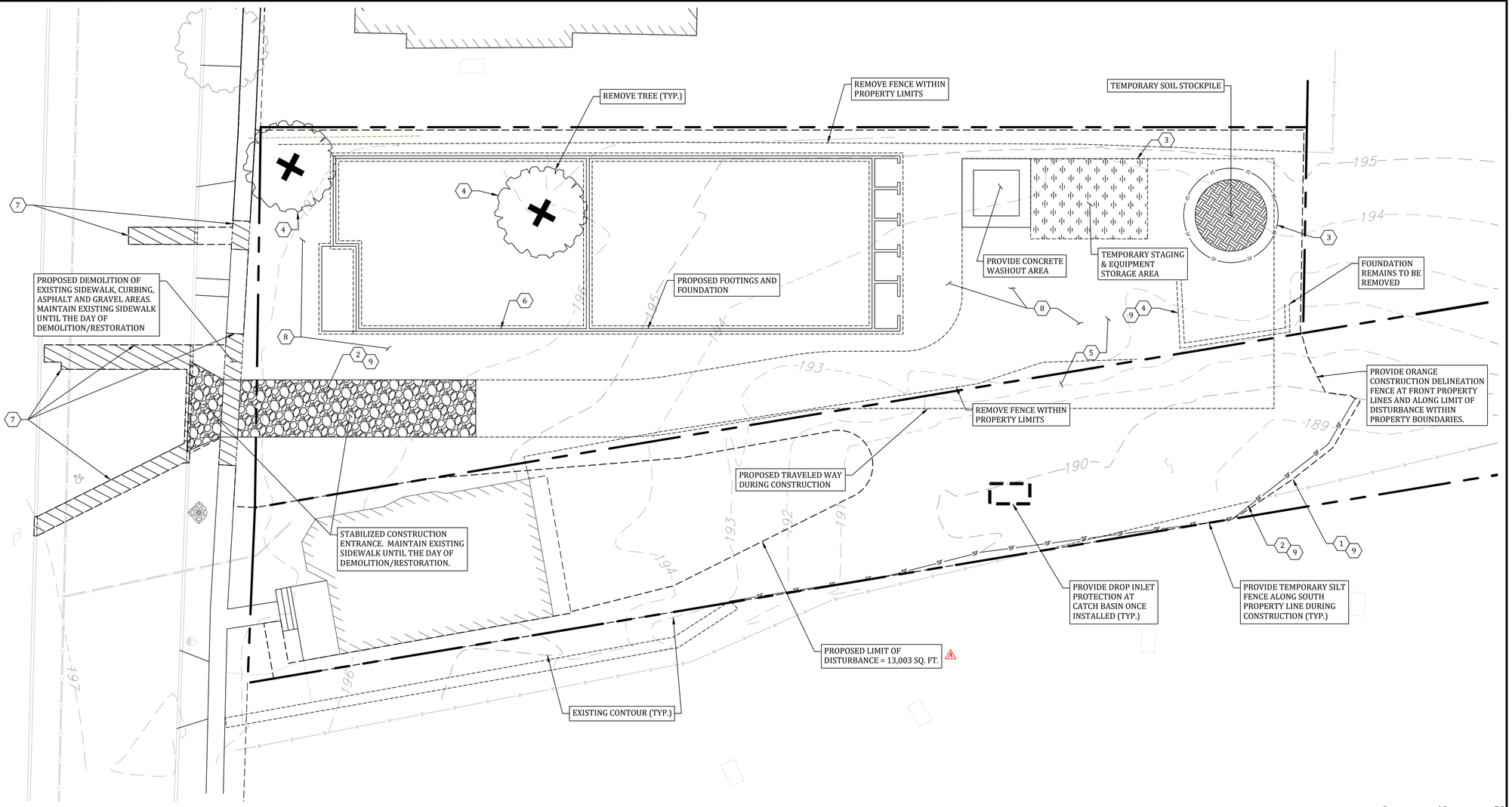


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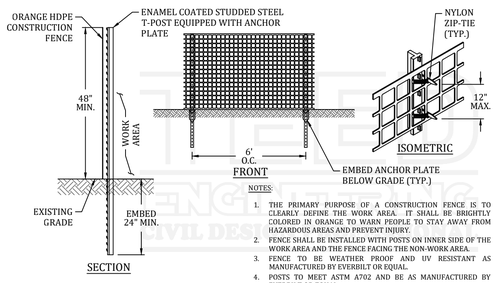
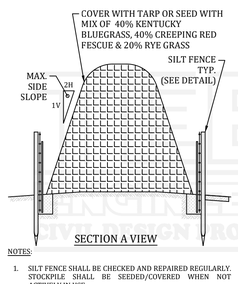
## 1 EROSION & SEDIMENT CONTROL PLAN
SCALE: 1" = 10'



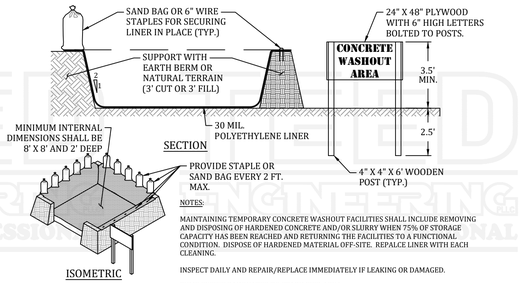

NOTES:
1. THE PRIMARY PURPOSE OF A CONSTRUCTION FENCE IS TO CLEARLY DEFINE THE WORK AREA. IT SHALL BE BRIGHTLY COLORED IN ORANGE TO WARN PEOPLE TO STAY AWAY FROM HAZARDOUS AREAS AND PREVENT INJURY.
2. FENCE SHALL BE INSTALLED WITH POSTS ON INNER SIDE OF THE WORK AREA AND THE FENCE FACING THE NON-WORK AREA.
3. FENCE TO BE WEATHER PROOF AND UV RESISTANT AS MANUFACTURED BY EVERBILT OR EQUAL.
4. POSTS TO MEET ASTM A702 AND BE AS MANUFACTURED BY EVERBILT OR EQUAL.

**1** CG101 — PERIMETER CONSTRUCTION DELINEATION FENCE
NOT TO SCALE




NOTES:
1. SILT FENCE SHALL BE CHECKED AND REPAIRED REGULARLY. STOCKPILE SHALL BE SEEDED/COVERED WHEN NOT ACTIVELY IN USE.

**2** CG101 — SOIL STOCKPILE
NOT TO SCALE




NOTES:
MAINTAINING TEMPORARY CONCRETE WASHOUT FACILITIES SHALL INCLUDE REMOVING AND DISPOSING OF HARDENED CONCRETE AND/OR SLURRY WHEN 75% OF STORAGE CAPACITY HAS BEEN REACHED AND RETURNING THE FACILITIES TO A FUNCTIONAL CONDITION. DISPOSE OF HARDENED MATERIAL OFF-SITE. REPALCE LINER WITH EACH CLEANING.

INSPECT DAILY AND REPAIR/REPLACE IMMEDIATELY IF LEAKING OR DAMAGED.

PUMP EXCESS RAINWATER TO STABILIZED AREA.

**3** CG101 — CONCRETE WASHOUT
NOT TO SCALE

### EROSION & SEDIMENT CONTROL SEQUENCE

1. DELINEATE PROPOSED AREAS OF DISTURBANCE WITH ORANGE CONSTRUCTION FENCE.
2. INSTALL PERIMETER EROSION AND SEDIMENT CONTROLS (SILT FENCE & CONSTRUCTION ENTRANCE) AND TREE PROTECTION.
3. ESTABLISH STAGING AREAS FOR CONSTRUCTION EQUIPMENT, CONSTRUCTION MATERIALS AND SOIL STOCKPILING.
4. START DEMOLITION WORK WITHIN PROPERTY LIMITS, STRIP TOPSOIL AND STABILIZE IN SOIL STOCKPILES. REMOVE TREES.
5. PROVIDE ROUGH GRADING AND EARTHWORK.
6. CONSTRUCT FOOTINGS AND FOUNDATION
7. SAW CUT SIDEWALK, PAVEMENT, AND CURBING AND PERFORM UTILITY WORK IN RIGHT-OF-WAY. RESTORE DISTURBED AREAS.
8. COMPLETE HARDSCAPING AND LANDSCAPING WORK
9. STABILIZE ALL DISTURBED AREAS AND REMOVE EROSION AND SEDIMENT CONTROLS & CONSTRUCTION FENCE.

**APPROVAL BLOCK**

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TEED ENGINEERING, PLLC
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**PROFESSIONAL CERTIFICATION:**

STATE OF NEW YORK · JAMES W. TEED JR · LICENSED PROFESSIONAL ENGINEER · 094633

JAMES W. TEED, JR.
094633

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| ⚠ | 2 | 04/01/2025 DENIAL LETTER | 05/13/2025 |
| | 1 | INITIAL SUBMISSION | 03/21/2025 |

**SHEET TITLE:**
# EROSION & SEDIMENT CONTROL PLAN & DETAILS

**PROJECT NAME AND ADDRESS:**
**5 COPNY LLC**
**149 CANNON STREET**
**POUGHKEEPSIE, NY 12601**

**TAX MAP ID.: 131300-6161-23-276969-0000**

| SCALE: | PROJECT NO.: |
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| SHEET NO.: | SHEET ID.: |
| 3 OF 10 | CG101 |


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LAST PLOTTED BY: TEED ENGINEERING PLLC | 5/13/2025 8:31 AM

## 1 EROSION AND SEDIMENT CONTROL NOTES
CG501

1. ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE IN STRICT COMPLIANCE WITH "NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL", NOVEMBER 2016. REFER ALSO TO "NEW YORK GUIDELINES FOR URBAN EROSION AND SEDIMENT CONTROL"
2. DAMAGE TO SURFACE WATERS RESULTING FROM EROSION AND SEDIMENTATION SHALL BE MINIMIZED BY STABILIZING DISTURBED AREAS AND BY REMOVING SEDIMENT FROM CONSTRUCTION SITE DISCHARGES.
3. AS MUCH AS IS PRACTICAL, EXISTING VEGETATION SHALL BE PRESERVED. FOLLOWING THE COMPLETION OF CONSTRUCTION ACTIVITIES IN ANY PORTION OF THE SITE, PERMANENT VEGETATION SHALL BE ESTABLISHED ON ALL EXPOSED SOILS.
4. SITE PREPARATION ACTIVITIES SHALL BE PLANNED TO MINIMIZE THE SCOPE AND DURATION OF SOIL DISRUPTION.
5. PERMANENT TRAFFIC CORRIDORS SHALL BE ESTABLISHED AND "ROUTES OF CONVENIENCE" SHALL BE AVOIDED. STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT ALL POINTS OF ENTRY ONTO THE PROJECT SITE.
6. SEEDED AREAS TO BE MULCHED WITH STRAW OR HAY MULCH IN ACCORDANCE WITH VEGETATIVE COVER SPECIFICATIONS.
7. THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL MEASURES THROUGHOUT THE COURSE OF CONSTRUCTION.
8. THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING DUST BY SPRINKLING EXPOSED SOIL AREAS PERIODICALLY WITH WATER AS REQUIRED. THE CONTRACTOR IS TO SUPPLY ALL EQUIPMENT AND WATER.
9. WHEN ALL DISTURBED AREAS ARE STABLE, ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED.
10. PRACTICES ARE TO BE INSTALLED PRIOR TO ANY MAJOR SOIL DISTURBANCES, AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED.
11. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH ALL SEDIMENT AND EROSION CONTROL PRACTICES. THE SEDIMENT AND EROSION CONTROL TIMELY MAINTENANCE OF SEDIMENT CONTROL STRUCTURES IS THE RESPONSIBILITY OF THE CONTRACTOR.
12. ALL STRUCTURES SHALL BE MAINTAINED IN GOOD WORKING ORDER AT ALL TIMES. THE SEDIMENT LEVEL IN ALL SEDIMENT TRAPS SHALL BE CLOSELY MONITORED AND SEDIMENT REMOVED PROMPTLY WHEN MAXIMUM LEVELS ARE REACHED OR AS ORDERED BY THE ENGINEER.
13. ALL SEDIMENT CONTROL STRUCTURES SHALL BE INSPECTED WEEKLY, PRIOR TO EXPECTED RAIN EVENTS, AND AFTER EACH HEAVY RAIN TO INSURE PROPER OPERATION AS DESIGNED. AN INSPECTION SCHEDULE SHALL BE SET FORTH PRIOR TO THE START OF CONSTRUCTION.
14. THE LOCATIONS AND THE INSTALLATION TIMES OF THE SEDIMENT CAPTURING STANDARDS SHALL BE AS ORDERED BY THE ENGINEER, AND IN ACCORDANCE WITH ACCEPTED STANDARDS.
15. ALL TOPSOIL NOT TO BE USED FOR FINAL GRADING SHALL BE REMOVED FROM THE SITE IMMEDIATELY AND PLACED IN A STABILIZED STOCKPILE OR FILL AREA. ALL TOPSOIL REQUIRED FOR FINAL GRADING AND STORED ON SITE SHALL BE LIMED,FERTILIZED, TEMPORARILY SEEDED AND MULCHED WITHIN 14 DAYS.
16. ANY DISTURBED AREAS THAT WILL BE LEFT EXPOSED MORE THAN 21 DAYS AND NOT SUBJECT TO CONSTRUCTION TRAFFIC, SHALL IMMEDIATELY RECEIVE TEMPORARY SEEDING. MULCH SHALL BE USED IF THE SEASON PREVENTS THE ESTABLISHMENT OF A TEMPORARY COVER. DISTURBED AREAS SHALL BE LIMED AND FERTILIZED PRIOR TO TEMPORARY SEEDING.
17. ALL DISTURBED AREAS WITHIN 500 FEET OF AN INHABITED DWELLING SHALL BE WETTED AS NECESSARY TO PROVIDE DUST CONTROL.
18. THE CONTRACTOR SHALL KEEP THE ROADWAYS WITHIN THE PROJECT CLEAR OF SOIL AND DEBRIS AND IS RESPONSIBLE FOR ANY STREET CLEANING NECESSARY DURING THE COURSE OF THE PROJECT.
19. SEDIMENT AND EROSION CONTROL STRUCTURES SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE DRAINAGE AREA HAS BEEN PROPERLY STABILIZED BY PERMANENT MEASURES.
20. SOIL SEEDING AND FERTILIZER AMENDMENTS SHALL BE PERFORMED IN ACCORDANCE WITH THE CURRENT EDITION OF "NEW YORK GUIDELINES FOR URBAN EROSION AND SEDIMENT CONTROL".
21. SEDIMENTATION AND EROSION CONTROL MEASURES SHALL BE INSPECTED AND MAINTAINED ON A DAILY BASIS BY THE OWNER'S FIELD REPRESENTATIVE.
22. DUST SHALL BE CONTROLLED BY SPRINKLING OF WATER OR OTHER APPROVED METHODS AS NECESSARY AS DIRECTED BY THE OWNER'S FIELD REPRESENTATIVE. CUTS AND FILLS SHALL NOT ENDANGER ADJOINING PROPERTY, NOR DIVERT SURFACE WATER ONTO ADJOINING PROPERTIES.
23. ALL FILLS SHALL BE COMPACTED TO PROVIDE STABILITY OF MATERIALS AND TO PREVENT SETTLEMENT.
24. EXCAVATIONS AND FILLS TO BE ROLLED, SEALED AND STABILIZED AT COMPLETION OF EACH DAY's WORK.
25. THE OWNER's FIELD REPRESENTATIVE SHALL INSPECT THE DOWNSTREAM CONDITIONS FOR EVIDENCE OF SEDIMENTATION ON A WEEKLY BASIS AND AFTER RAINSTORMS.
26. AS WARRANTED BY FIELD CONDITIONS, SPECIAL ADDITIONAL SEDIMENTATION AND EROSION CONTROL MEASURES MAY BE ADDED TO THIS PLAN BY THE SITE ENGINEER AND TOWN ENGINEER. ANY REVISIONS TO THIS PLAN MUST BE SUBMITTED TO THE SITE ENGINEER. ANY CHANGES DEEMED NECESSARY TO THIS PLAN SHALL BE DICTATED BY THE SITE ENGINEER AS NECESSARY TO CARRY-OUT THE INTENT OF THIS PLAN.

## 4 SEEDING AND MULCHING NOTES
CG501

1. EXPOSED SLOPES AND ALL GRADED AREAS SHALL BE SEEDED WITH THE FOLLOWING GRASS SEED MIX IMMEDIATELY UPON COMPLETION OF ITS CONSTRUCTION, OR IF PLANNED TO BE LEFT UNDISTURBED FOR MORE THAN 21 DAYS. GRASS SEED MIX TO BE APPLIED AT A RATE OF 50 POUNDS PER ACRE IN THE FOLLOWING PROPORTIONS:
   - 1.1. KENTUCKY BLUEGRASS 40%
   - 1.2. CREEPING RED FESCUE 40%
   - 1.3. RYE GRASS 20%
2. GRASS SEED MIX MAY BE APPLIED BY EITHER MECHANICAL OR HYDROSEEDING METHODS. HYDROSEEDING SHALL BE PERFORMED IN ACCORDANCE WITH THE CURRENT EDITION OF THE NYSDOT STANDARD SPECIFICATIONS, CONSTRUCTION AND MATERIALS, SECTION 610-3.02, METHOD No. 1. SEEDED AREAS SHALL BE MULCHED WITH STRAW AT A RATE OF 2 TONS PER ACRE, OR 90 LBS. PER 1,000 SQUARE FEET, SUCH THAT IT FORMS A CONTINUOUS BLANKET.

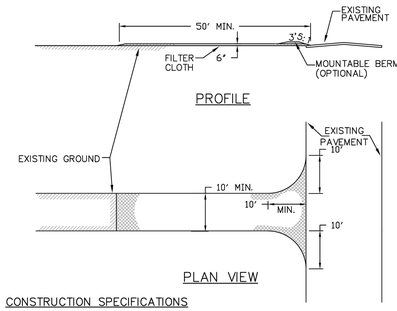
## 2 MAINTENANCE OF EROSION AND SEDIMENT CONTROL MEASURES
CG501

1. PERMANENT AND TEMPORARY VEGETATION: INSPECT ALL AREAS THAT HAVE RECEIVED VEGETATION EVERY SEVEN DAYS. ALL AREAS DAMAGED BY EROSION OR WHERE SEED HAS NOT ESTABLISHED SHALL BE REPAIRED AND RE-STABILIZED IMMEDIATELY.
2. STABILIZED CONSTRUCTION ENTRANCE: INSPECT THE ENTRANCE PAD EVERY SEVEN DAYS. CHECK FOR MUD, SEDIMENT BUILD-UP AND PAD INTEGRITY. MAKE DAILY INSPECTIONS DURING WET WEATHER. RESHAPE PAD AS NEEDED FOR DRAINAGE AND RUNOFF CONTROL. WASH AND REPLACE STONE AS NEEDED. THE STONE IN THE ENTRANCE SHOULD BE WASHED OR REPLACED WHENEVER THE ENTRANCE FAILS TO REDUCE MUD BEING CARRIED OFF-SITE BY VEHICLES. IMMEDIATELY REMOVE MUD AND SEDIMENT TRACKED OR WASHED ONTO PUBLIC ROADS BY BRUSHING OR SWEEPING. REMOVE TEMPORARY CONSTRUCTION ENTRANCE AS SOON AS THEY ARE NO LONGER NEEDED TO PROVIDE ACCESS TO THE SITE.
3. SILT FENCE: INSPECT FOR DAMAGE EVERY SEVEN DAYS. MAKE ALL REPAIRS IMMEDIATELY. REMOVE SEDIMENT FROM THE UP-SLOPE FACE OF THE FENCE BEFORE IT ACCUMULATES TO A HEIGHT EQUAL TO 1/3 THE HEIGHT OF THE FENCE. IF FENCE FABRIC TEARS, BEGINS TO DECOMPOSE, OR IN ANY WAY BECOMES INEFFECTIVE, REPLACE THE AFFECTED SECTION OF FENCE IMMEDIATELY.
4. SOIL STOCKPILE: INSPECT SEDIMENT CONTROL BARRIERS (SILT FENCE OR HAY BALE) AND VEGETATION FOR DAMAGE EVERY SEVEN DAYS. MAKE ALL REPAIRS IMMEDIATELY. REMOVE SEDIMENT FROM THE UP-SLOPE FACE OF THE SEDIMENT CONTROL BARRIER BEFORE IT ACCUMULATES TO A HEIGHT EQUAL TO 1/3 THE HEIGHT OF THE SEDIMENT CONTROL BARRIER. IF SEDIMENT CONTROL BARRIER TEARS, BEGINS TO DECOMPOSE, OR IN ANYWAY BECOMES INEFFECTIVE, REPLACE THE AFFECTED SECTION OF SEDIMENT CONTROL BARRIER IMMEDIATELY. REVEGETATE DISTURBED AREA TO STABILIZE SOIL STOCK PILE. REMOVE THE SEDIMENT CONTROL BARRIER WHEN THE SOIL STOCKPILE HAS BEEN REMOVED.
5. INLET PROTECTION: INSPECT INLET PROTECTION FOR DAMAGE EVERY SEVEN DAYS. MAKE ALL REPAIRS IMMEDIATELY. REMOVE SEDIMENT AS NECESSARY TO PROVIDE FOR ADEQUATE STORAGE VOLUME FOR SUBSEQUENT RAINS.
6. DUST CONTROL: SCHEDULE CONSTRUCTION OPERATIONS TO MINIMIZE THE AMOUNT OF DISTURBED AREAS AT ANY ONE TIME DURING THE COURSE OF WORK. APPLY TEMPORARY SOIL STABILIZATION. TO ELIMINATE DUST AND SEDIMENT BUILDUP ON SITE AND SURROUNDING AREAS. PRACTICES SUCH AS MULCHING, SEEDING, AND SPRAYING (WATER). STRUCTURAL MEASURES (MULCH, SEEDING) SHALL BE INSTALLED IN DISTURBED AREAS BEFORE SIGNIFICANT BLOWING PROBLEMS DEVELOP. WATER SHALL BE SPRAYED AS NEEDED. REPEAT AS NEEDED, BUT AVOID EXCESSIVE SPRAYING, WHICH COULD CREATE RUNOFF AND EROSION PROBLEMS.

## 3 CONSTRUCTION WASTE MANAGEMENT NOTES
CG501

CONSTRUCTION WASTE MANAGEMENT PRACTICES ARE DESIGNED TO MAINTAIN A CLEAN AND ORDERLY WORK ENVIRONMENT. THIS WILL REDUCE THE POTENTIAL FOR SIGNIFICANT MATERIALS TO COME INTO CONTACT WITH STORMWATER. A MAINTENANCE SCHEDULE SHALL BE DEVELOPED FOR THESE AREAS. THE GENERAL CONTRACTOR SHALL IMPLEMENT THE FOLLOWING PRACTICES:

1. MATERIAL RESULTING FROM THE CLEARING AND GRUBBING OPERATION WILL BE STOCKPILED UP SLOPE FROM ADEQUATE SEDIMENTATION CONTROLS.
2. EQUIPMENT CLEANING, MAINTENANCE, AND REPAIR AREAS SHALL BE DESIGNATED AND PROTECTED BY A TEMPORARY PERIMETER BERM.
3. THE USE OF DETERGENTS FOR LARGE SCALE WASHING IS PROHIBITED (I.E., VEHICLES, BUILDINGS, PAVEMENT SURFACES, ETC.).
4. A SPILL PREVENTION AND RESPONSE PLAN SHALL BE DEVELOPED FOR THE SITE BY THE GENERAL CONTRACTOR. THE PLAN SHALL DETAIL THE STEPS NEEDED TO BE FOLLOWED IN THE EVENT OF AN ACCIDENTAL SPILL AND SHALL IDENTIFY CONTACT NAMES AND PHONE NUMBERS OF PEOPLE AND AGENCIES THAT MUST BE NOTIFIED. THE PLAN SHALL INCLUDE MATERIAL SAFETY DATA SHEETS (MSDS) FOR ALL MATERIALS TO BE STORED ON-SITE. ALL WORKERS ON-SITE WILL BE REQUIRED TO BE TRAINED ON SAFE HANDLING AND SPILL PREVENTION PROCEDURES FOR ALL MATERIALS USED DURING CONSTRUCTION. REGULAR TAILGATE SAFETY MEETINGS SHALL BE HELD AND ALL WORKERS THAT ARE EXPECTED ON THE SITE DURING THE WEEK SHALL BE REQUIRED TO ATTEND.
5. MATERIAL STORAGE CONSTRUCTION MATERIALS SHALL BE STORED IN A DEDICATED STAGING AREA. THE STAGING AREA SHALL BE LOCATED IN AN AREA THAT MINIMIZES THE IMPACTS OF THE CONSTRUCTION MATERIALS EFFECTING STORMWATER QUALITY. CHEMICALS, PAINTS, SOLVENTS, FERTILIZERS, AND OTHER TOXIC MATERIAL MUST BE STORED IN WATERPROOF CONTAINERS. EXCEPT DURING APPLICATION, THE CONTENTS MUST BE KEPT IN TRUCKS OR WITHIN STORAGE FACILITIES. RUNOFF CONTAINING SUCH MATERIAL MUST BE COLLECTED, REMOVED FROM THE SITE, TREATED AND DISPOSED AT AN APPROVED SOLID WASTE OR CHEMICAL DISPOSAL FACILITY.
6. TEMPORARY CONCRETE WASHOUT FACILITY TEMPORARY CONCRETE WASHOUT FACILITIES SHOULD BE LOCATED A MINIMUM OF 50 FT FROM STORM DRAIN INLETS, OPEN DRAINAGE FACILITIES, AND WATERCOURSES. EACH FACILITY SHOULD BE LOCATED AWAY FROM CONSTRUCTION TRAFFIC OR ACCESS AREAS TO PREVENT DISTURBANCE OR TRACKING. A SIGN SHOULD BE INSTALLED ADJACENT TO EACH WASHOUT FACILITY TO INFORM CONCRETE EQUIPMENT OPERATORS TO UTILIZE THE PROPER FACILITIES. WHEN TEMPORARY CONCRETE WASHOUT FACILITIES ARE NO LONGER REQUIRED FOR THE WORK, THE HARDENED CONCRETE SHALL BE REMOVED AND DISPOSED OF. MATERIALS USED TO CONSTRUCT THE TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE REMOVED FROM THE SITE AND DISPOSED OF. HOLES, DEPRESSIONS OR OTHER GROUND DISTURBANCE CAUSED BY THE REMOVAL OF THE TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE BACKFILLED AND/OR REPAIRED AND SEEDED AND MULCHED FOR FINAL STABILIZATION.
7. SOLID WASTE DISPOSAL NO SOLID MATERIALS, INCLUDING BUILDING MATERIALS, ARE ALLOWED TO BE DISCHARGED FROM THE SITE WITH STORMWATER. ALL SOLID WASTE, INCLUDING DISPOSABLE MATERIALS INCIDENTAL TO THE MAJOR CONSTRUCTION ACTIVITIES, MUST BE COLLECTED AND PLACED IN CONTAINERS. THE CONTAINERS WILL BE EMPTIED PERIODICALLY BY A CONTRACT TRASH DISPOSAL SERVICE AND HAULED AWAY FROM THE SITE. SUBSTANCES THAT HAVE THE POTENTIAL FOR POLLUTING SURFACE AND/OR GROUNDWATER MUST BE CONTROLLED BY WHATEVER MEANS NECESSARY IN ORDER TO ENSURE THAT THEY DO NOT DISCHARGE FROM THE SITE. AS AN EXAMPLE, SPECIAL CARE MUST BE EXERCISED DURING EQUIPMENT FUELING AND SERVICING OPERATIONS. IF A SPILL OCCURS, IT MUST BE CONTAINED AND DISPOSED SO THAT IT WILL NOT FLOW FROM THE SITE OR ENTER GROUNDWATER, EVEN IF THIS REQUIRES REMOVAL, TREATMENT, AND DISPOSAL OF SOIL. IN THIS REGARD, POTENTIALLY POLLUTING SUBSTANCES SHOULD BE HANDLED IN A MANNER CONSISTENT WITH THE IMPACT THEY REPRESENT.
8. WATER SOURCE NON-STORMWATER COMPONENTS OF SITE DISCHARGE MUST BE CLEAN WATER. WATER USED FOR CONSTRUCTION, WHICH DISCHARGES FROM THE SITE, MUST ORIGINATE FROM A PUBLIC WATER SUPPLY OR PRIVATE WELL APPROVED BY THE HEALTH DEPARTMENT. WATER USED FOR CONSTRUCTION THAT DOES NOT ORIGINATE FROM AN APPROVED PUBLIC SUPPLY MUST NOT DISCHARGE FROM THE SITE. IT CAN BE RETAINED IN THE PONDS UNTIL IT INFILTRATES AND EVAPORATES.




CONSTRUCTION SPECIFICATIONS

1. Stone Size – Use 2" stone, or reclaimed or recycled concrete equivilent.
2. Length – As required, but not less than 50 feet (except on a single residence lot where a 30 foot minimum length would apply).
3. Thickness – Not less than six (6) inches.
4. Width – Ten (10) foot minimum, but not less than the full width at points where ingress or egress occurs.
5. Filter Cloth – Will be placed over the entire area prior to placing of stone. Filter will not be required on a single family residence lot.
6. Surface Water – All surface water flowing or diverted toward construction entrances shall be piped across the entrance. If piping is impractical, a mountable berm with 5:1 slopes will be permitted.
7. Maintenance – The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public rights–of–way. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleanout of any measures used to trap sediment. All sediment spilled, dropped, washed or tracked onto public rights–of–way must be removed immediately.
8. Washing – Wheels shall be cleaned to remove sediment prior to entrance onto public rights–of–way. When washing is required, it shall be done on an area stabilized with stone and which drains into an approved sediment trapping device.
9. Periodic inspection and needed maintenance shall be provided after each rain.

# STABILIZED CONSTRUCTION ENTRANCE

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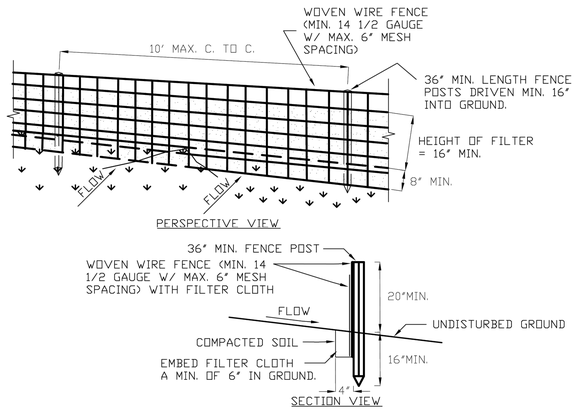
| CITY OF POUGHKEEPSIE ENGINEERING DEPARTMENT<br>62 CIVIC CENTER PLAZA<br>POUGHKEEPSIE, NY 12601 | FILE NO.: 001-DET<br>DATE: 3-6-00<br>SCALE: AS NOTED<br>DRAWN BY: JP | STABILIZED CONSTRUCTION ENTRANCE ⚠ | 1<br>PAGE NO. |




# 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.

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

APPROVAL BLOCK

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TAX MAP ID.: 131300-6161-23-276969-0000

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| SHEET NO.: 4 OF 10 | SHEET ID.: CG501 |


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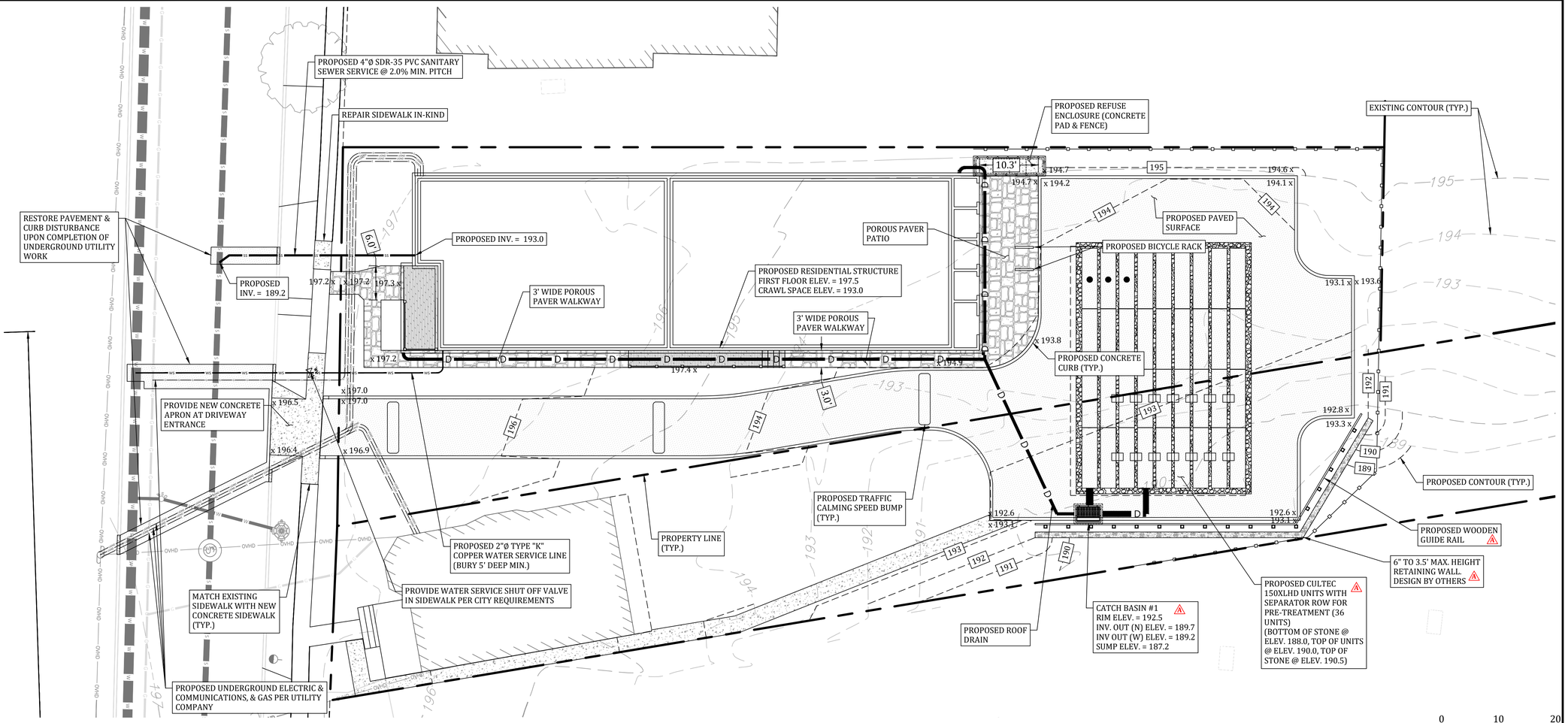


1 GRADING, DRAINAGE & UTILITY PLAN

SCALE: 1" = 10'

2 TEED ENGINEERING, PLLC STANDARD NOTES

CU101

1. THERE SHALL BE NO MODIFICATION TO ANY ASPECT OF THIS PLAN WITHOUT FIRST CONTACTING TEED ENGINEERING, PLLC FOR ACCEPTANCE. IF UNFORESEEN SUBSURFACE CONDITIONS ARE ENCOUNTERED, WORK SHALL BE STOPPED AND NECESSARY MODIFICATIONS SHALL BE DISCUSSED AND APPROVED BY TEED ENGINEERING, PLLC. A PRE-CONSTRUCTION MEETING SHALL BE HELD WITH TEED ENGINEERING, PLLC BEFORE CONSTRUCTION BEGINS.
2. TEED ENGINEERING, PLLC MAKES NO REPRESENTATION OR CERTIFICATIONS AS TO THE INTEGRITY, LOCATION OR EXISTENCE OF SUBSURFACE STRUCTURES OR SOIL CONDITIONS UNLESS EXPLICITLY STATED ON THIS PLAN.
3. IT IS THE OWNER AND CONTRACTOR'S RESPONSIBILITY TO PLACE IMPROVEMENTS ON MATERIAL WITH A SUITABLE BEARING CAPACITY AND TO VERIFY THE QUANTITY OF MATERIALS TO BE REMOVED OR DELIVERED TO THE SITE TO SUCCESSFULLY COMPLETE THIS PROJECT.
4. ALL UNDERGROUND CONSTRUCTION SHALL BE INSPECTED BY TEED ENGINEERING, PLLC PRIOR TO BACKFILLING.
5. IT IS THE OWNER AND CONTRACTOR'S RESPONSIBILITY TO OBTAIN ANY AND ALL LOCAL PERMITS REQUIRED FOR COMPLETION OF THIS PROJECT.
6. THE MATERIALS AND SPECIFICATIONS NOTED ON THE PLANS MUST BE UTILIZED UNLESS ALTERNATIVES ARE ACCEPTED AND APPROVED IN WRITING BY TEED ENGINEERING, PLLC.
7. FOLLOW ALL MANUFACTURER INSTRUCTIONS FOR COMPONENT INSTALLATION UNLESS OTHERWISE DIRECTED BY TEED ENGINEERING, PLLC.
8. PRIOR TO EXCAVATING, ALL UNDERGROUND UTILITIES MUST BE LOCATED BY THE APPROPRIATE UTILITY AGENCY.
9. EROSION & SEDIMENT CONTROLS TO BE INSTALLED PER NYSDEC STANDARDS.
10. IN THE EVENT THAT FIELD CONDITIONS ARE DIFFERENT THAN WHAT IS PRESENTED IN THIS PLAN SET, IT IS THE RESPONSIBILITY OF THE OWNER AND/OR CONTRACTOR TO NOTIFY TEED ENGINEERING, PLLC PRIOR TO CONTINUING WITH ANY FURTHER SITE WORK.
11. IF UNFORESEEN SUBSURFACE CONDITIONS ARE ENCOUNTERED (I.E. ROCK, GROUNDWATER, ETC.), THE OWNER AND/OR CONTRACTOR SHALL STOP WORK AND NOTIFY TEED ENGINEERING, PLLC. ALL NECESSARY MODIFICATIONS OR CHANGES SHALL BE DISCUSSED WITH AND APPROVED BY TEED ENGINEERING, PLLC PRIOR TO CONTINUING WITH ANY FURTHER SITE WORK. FURTHERMORE, THE OWNER AND/OR CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS IF BLASTING IS REQUIRED.
12. IT IS THE OWNER AND/OR CONTRACTOR'S SOLE RESPONSIBILITY TO FOLLOW OSHA, NYS AND ANY OTHER APPLICABLE CODES OR REQUIREMENTS THROUGHOUT THE DURATION OF THE PROJECT. THIS INCLUDES BUT IS NOT LIMITED TO PROVIDING ADEQUATE BRACING AND GUARANTEEING THE STABILITY OF EXCAVATIONS AND OTHER VICINITY STRUCTURES.
13. TEED ENGINEERING, PLLC MAKES NO REPRESENTATION AS TO THE QUALITY (I.E. CONTAMINATION), IF ANY, OF THE SOILS ON THIS SITE. THE OWNER AND/OR CONTRACTOR IS RESPONSIBLE TO CONDUCT ANY AND ALL TESTING AS MAY BE REQUIRED TO ENSURE THE SITE HAS NO CONTAMINATED SOILS.

APPROVAL BLOCK

5 COPNY LLC 149 CANNON STREET POUGHKEEPSIE, NY 12601 5 COPNY LLC 149 CANNON STREET POUGHKEEPSIE, NY 12601 5 COPNY LLC 149 CANNON STREET POUGHKEEPSIE, NY 12601 5 COPNY LLC

2 VICINITY MAP
1" = 2000'

TEED ENGINEERING, PLLC
NYSDOE COA # 0021016
UNTIL 10/31/2026

SCAN HERE

PROFESSIONAL CERTIFICATION:

STATE OF NEW YORK · JAMES W. TEED, JR. · LICENSED PROFESSIONAL ENGINEER · 094633

JAMES W. TEED, JR.
094633

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TEED ENGINEERING PLLC
CIVIL DESIGN PROFESSIONAL

TEED ENGINEERING, PLLC
55 MANSION STREET #535
POUGHKEEPSIE, NY 12601
PHONE: (845) 418-5461
EMAIL: JIM@TEEDENGINEERING.COM

| MARK | # | DESCRIPTION | DATE |
|---|---|---|---|
| | 4 | - | - |
| | 3 | - | - |
| ⚠ | 2 | 04/01/2025 DENIAL LETTER | 05/13/2025 |
| | 1 | INITIAL SUBMISSION | 03/21/2025 |

SHEET TITLE:

GRADING, DRAINAGE & UTILITY PLAN

PROJECT NAME AND ADDRESS:

5 COPNY LLC
149 CANNON STREET
POUGHKEEPSIE, NY 12601

TAX MAP ID.: 131300-6161-23-276969-0000

| SCALE: | PROJECT NO.: |
|---|---|
| 1" = 10' | 2502003 |
| SHEET NO.: | SHEET ID.: |
| 5 OF 10 | CU101 |

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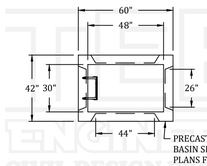
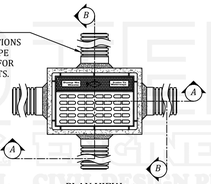
DRAWING REFERENCE: 2502003CU101_C.DWG
LAST PLOTTED BY: TEED ENGINEERING PLLC | 5/13/2025 8:32 AM



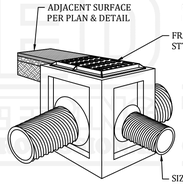

PRECAST CONCRETE CATCH BASIN SECTIONS. REFER TO PLANS FOR DEPTH.

PLAN VIEW (LESS FRAME/GRATE W/ DIMENSIONS)




SIZE, MATERIAL, AND CONNECTION ORIENTATIONS PER PLAN. REFER TO PIPE INSTALLATION DETAIL FOR BEDDING REQUIREMENTS.

PLAN VIEW

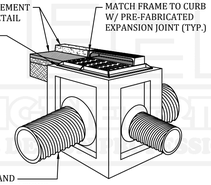


ADJACENT SURFACE PER PLAN & DETAIL

FRAME/GRATE STYLE PER PLAN.

SIZE, MATERIAL, AND CONNECTION ORIENTATIONS PER PLAN. REFER TO PIPE INSTALLATION DETAIL FOR BEDDING REQUIREMENTS.

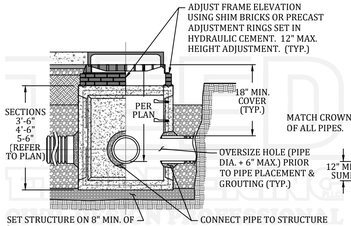
ISOMETRIC VIEW (DROP INLET)



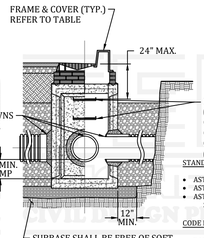
CURB AND PAVEMENT PER PLAN & DETAIL

MATCH FRAME TO CURB W/ PRE-FABRICATED EXPANSION JOINT (TYP.)

ISOMETRIC VIEW (CURB INLET)




SECTION A-A




SECTION B-B

PROVIDE COPOLYMER POLYPROPYLENE STEPS (REINFORCED WITH #4 REBAR) AT 12" ON CENTER FOR STRUCTURES HAVING A DEPTH OF GREATER THAN 48" AS MEASURED FROM THE GRATE TO THE FLOOR OF THE STRUCTURE. (TYP.)

STANDARD SPECIFICATION REFERENCES:

- ASTM A48 - STANDARD SPECIFICATION FOR GRAY IRON CASTINGS
- ASTM A615 - STANDARD SPECIFICATION FOR DEFORMED AND PLAIN CARBON-STEEL BARS
- ASTM C857 - STANDARD PRACTICE FOR MINIMUM STRUCTURAL DESIGN LOADING FOR UNDERGROUND PRECAST CONCRETE UTILITY STRUCTURES.

CODE REFERENCES:

- TOWN OF CARMEL TOWN CODE.

NOTES:

1. THE PRIMARY PURPOSE OF CATCH BASIN IS TO COLLECT STORMWATER FROM THE SURFACE AND ROUTE IT TO ANOTHER LOCATION VIA UNDERGROUND PIPING.
2. CATCH BASIN SHALL BE INSTALLED TO MAINTAIN LEVELNESS IN ALL DIRECTIONS.
3. CATCH BASIN SHALL BE CONSTRUCTED OF CONCRETE HAVING A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS OF AGE.
4. ALL WALLS, BOTTOM AND TOP SHALL CONTAIN REINFORCING AND SHALL BE DESIGNED TO ASSURE AASHTO HS-20 LOADING AT 25% IMPACT.
5. BACKFILL AGAINST TANK SHALL BE COMPACTED TO 95% MODIFIED PROCTOR TO AVOID SETTLEMENT.
6. PRECAST CONCRETE CATCH BASIN SECTIONS SHALL BE AS MANUFACTURED BY WOODARD'S CONCRETE PRODUCTS, INC. MODEL "CB-30X48" OR APPROVED EQUAL ORDERED TO REQUIRED DEPTH PER PLAN WITH FINAL ADJUSTMENTS MADE WITH SHIM BRICKS OR PRECAST CONCRETE RINGS AS MANUFACTURED BY WOODARD'S CONCRETE PRODUCTS, INC. OR APPROVED EQUAL.
7. ALL JOINTS SHALL BE SEALED WITH BUTYL RUBBER SEALANT.
8. FRAME AND GRATE SHALL BE AS MANUFACTURED BY CAMPBELL FOUNDRY. CURB INLET FRAME AND GRATE SHALL BE MODEL "GRATE-CI" (PATTERN #2617) OR APPROVED EQUAL. DROP INLET FRAME AND GRATE SHALL BE MODEL "GRATE-30X48" (PATTERN #3408) OR APPROVED EQUAL.
9. STEPS (IF PROVIDED) SHALL BE AS MANUFACTURED BY WOODARD'S CONCRETE PRODUCTS, INC. OR APPROVED EQUAL. STEPS SHALL EMBED INTO STRUCTURE WALL 3½" AND SHALL COMPLY WITH ALL OSHA REGULATIONS.
10. FIRST PIPE COUPLER SHALL BE 18" FROM WALL OR ENCASED IN FLOWABLE FILL.
11. WHERE CATCH BASIN DEPTH EXCEEDS 7 FT., WALL THICKNESS SHALL BE 8" MIN.

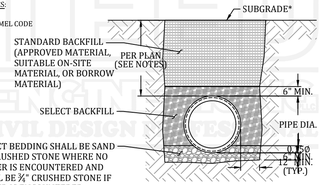
1 CU501 CATCH BASIN
NOT TO SCALE

STANDARD SPECIFICATION REFERENCES:

- ASTM D2321 - STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY-FLOW APPLICATIONS.
- ASTM D1557 - STANDARD TEST METHODS FOR LABORATORY COMPACTION CHARACTERISTICS OF SOIL USING MODIFIED EFFORT.

CODE REFERENCES:

- TOWN OF CARMEL CODE




SECTION VIEW

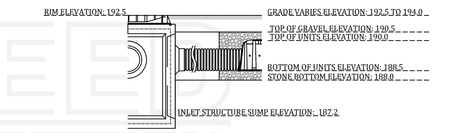
NOTES:

1. ALL PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS", LATEST ADDITION
2. MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF NATIVE FINES INTO BACKFILL MATERIAL.
3. WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL CONTACT THE DESIGN ENGINEER. IF NECESSARY, THE DESIGN ENGINEER MAY DIRECT THAT THE CONTRACTOR EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE ENGINEER. AS AN ALTERNATIVE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL.
4. THE MINIMUM COVER IN NON-TRAFFIC APPLICATIONS (GRASS OR LANDSCAPE AREAS) IS 12" FROM THE TOP OF PIPE TO GROUND SURFACE. ADDITIONAL COVER MAY BE REQUIRED TO PREVENT FLOTATION. FOR TRAFFIC APPLICATIONS, MINIMUM COVER, IS 12" FOR UP TO 48" Ø PIPE AND 24" OF COVER FOR 60" Ø PIPE, MEASURED FROM TOP OF PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TO TOP OF RIGID PAVEMENT.
5. SHEETING AND BRACING SHALL BE USED IN ACCORDANCE WITH OSHA RULES AND REGULATIONS WHERE REQUIRED. SHEETING & BRACING ARE REQUIRED WHERE TRENCH DEPTHS EXCEED 5' IN HEIGHT. SHEETING & BRACING ARE ALSO REQUIRED WHEN CLAY, SILT LOAM OR NON SOILS ARE ENCOUNTERED.
6. ALL DRAINAGE PIPING TO BE AS SPECIFIED ON SITE DEVELOPMENT PLANS.
7. DRAINAGE PIPE RUNS SHALL HAVE A MINIMUM SLOPE OF 0.5%.
8. NO ROCK SHALL PROJECT WITHIN THE SURFACE OF THE TRENCH AND ALL ROCK SHALL BE A MINIMUM OF 12" FROM THE PIPE. HORIZONTALLY. IF BEDROCK IS ENCOUNTERED DURING INSTALLATION, IT SHALL BE EXCAVATED TO A MINIMUM DEPTH OF 6" BELOW BOTTOM OF PIPE AND REPLACED WITH 6" OF SAND.
9. DEBRIS, FROZEN MATERIAL, LARGE CLODS OR STONES, ORGANIC MATTER OR OTHER UNSUITABLE MATERIALS SHALL NOT BE USED AS BACKFILL.
10. BACKFILL SHALL BE PLACED SO AS NOT TO DISTURB THE PIPE ALIGNMENT.
11. SELECT BACKFILL MATERIAL SHALL BE PLACED IN 6" LIFTS (PRIOR TO COMPACTION) AND COMPACTED WITH A MECHANICAL TAMPER TO NOT LESS THAN 95% MINIMUM DRY DENSITY UNDER PAVED AND BUILDING AREAS AND 92% MINIMUM MODIFIED DENSITY IN NON PAVED AND NON BUILDING AREAS. COMPACTION SHALL BE IN ACCORDANCE WITH ASTM DESIGNATION D-1557.
12. SELECT BEDDING SHALL BE SAND OR CRUSHED STONE WHERE NO WATER IS ENCOUNTERED AND SHALL BE 3/4" CRUSHED STONE IF WATER IS ENCOUNTERED.

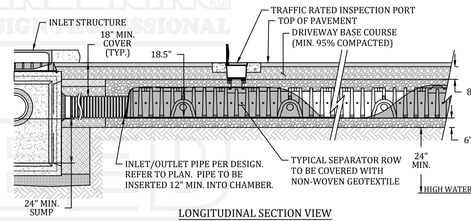
ANNOTATION NOTES:

* SEE PLAN AND OTHER DETAILS FOR FINISHED GRADE. WHERE UNDER PAVED SURFACES, SEE PAVED SURFACE DETAIL.

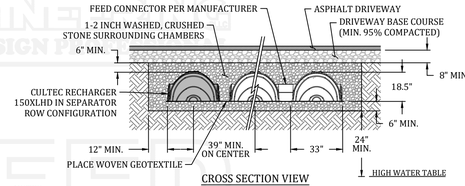
2 CU501 STORM PIPE
NOT TO SCALE




REFERENCE ELEVATIONS




LONGITUDINAL SECTION VIEW

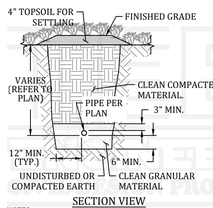



CROSS SECTION VIEW

NOTES:

1. EQUIP LAST UNIT IN SEPARATOR ROW WITH TRAFFIC RATED INSPECTION PORT. INSTALL PER MANUFACTURER.
2. NON-WOVEN GEOTEXTILE TO BE INSTALLED BENEATH FEED CONNECTORS, BENEATH ALL INLET/OUTLET PIPES FOR SCOUR PROTECTION, AND BENEATH SEPARATOR ROW. EXTEND 12' DOWN CHAMBER ROWS AT INLETS AND OUTLET PIPES.
3. NON-WOVEN GEOTEXTILE TO BE INSTALLED AROUND TOP, SIDES AND BOTTOM OF STONE AT INTERFACE WITH EXCAVATED SOILS.
4. INSTALL CHAMBERS PER ALL MANUFACTURER SPECIFICATIONS AND REQUIREMENTS.

3 CU501 CULTEC RECHARGER 150XLHD
NOT TO SCALE

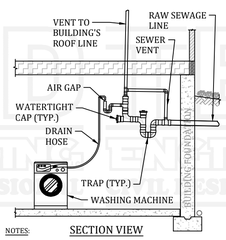



SECTION VIEW

NOTES:

1. BACKFILL SHALL BE PLACED IN 12" LIFTS AND SO AS NOT TO DISTURB THE PIPE ALIGNMENT.
2. NO ROCK, DEBRIS, FROZEN MATERIAL, LARGE CLODS OR ORGANIC MATTER SHALL PROJECT WITHIN THE LIMITS OF THE TRENCH. IF BEDROCK IS ENCOUNTERED DURING INSTALLATION, IT SHALL BE EXCAVATED TO A MINIMUM DEPTH OF 6" BELOW BOTTOM OF PIPE AND REPLACED WITH 6" OF SAND.

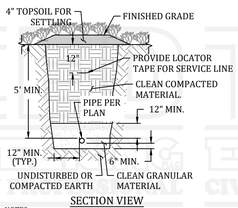
4 CU501 SEWER PIPE
NOT TO SCALE




NOTES:

1. ALL JOINTS SHALL BE WATERTIGHT.
2. BELLS SHALL FACE UPSTREAM AND SPIGOTS SHALL FACE DOWNSTREAM.
3. ALL INTERNAL PLUMBING SHALL COMPLY WITH LOCAL PLUMBING AND BUILDING CODES.

5 CU501 SEWER VENTING
NOT TO SCALE




SECTION VIEW

NOTES:

1. BACKFILL SHALL BE PLACED IN 12" LIFTS AND SO AS NOT TO DISTURB THE PIPE ALIGNMENT.
2. NO ROCK, DEBRIS, FROZEN MATERIAL, LARGE CLODS OR ORGANIC MATTER SHALL PROJECT WITHIN THE LIMITS OF THE TRENCH. IF BEDROCK IS ENCOUNTERED DURING INSTALLATION, IT SHALL BE EXCAVATED TO A MINIMUM DEPTH OF 6" BELOW BOTTOM OF PIPE AND REPLACED WITH 6" OF SAND.

6 CU501 WATER SERVICE LINE
NOT TO SCALE

APPROVAL BLOCK

UDIG·NY
SAFE DIGGING STARTS HERE

SCAN HERE


TEED ENGINEERING, PLLC
NYSDOE COA # 0021016
UNTIL 10/31/2026


PROFESSIONAL CERTIFICATION:

STATE OF NEW YORK · JAMES W. TEED, JR. · 094633 · LICENSED PROFESSIONAL ENGINEER

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094633


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TEED ENGINEERING CIVIL DESIGN PROFESSIONAL


TEED ENGINEERING, PLLC
55 MANSION STREET #535
POUGHKEEPSIE, NY 12601
PHONE: (845) 418-5461
EMAIL: JIM@TEEDENGINEERING.COM


| MARK | # | DESCRIPTION | DATE |
|---|---|---|---|
| | 4 | . | - |
| | 3 | . | - |
| ⚠ | 2 | 04/01/2025 DENIAL LETTER | 05/13/2025 |
| | 1 | INITIAL SUBMISSION | 03/21/2025 |

SHEET TITLE:

# DRAINAGE, SEWER & WATER DETAILS

PROJECT NAME AND ADDRESS:

**5 COPNY LLC**
**149 CANNON STREET**
**POUGHKEEPSIE, NY 12601**

TAX MAP ID.: 131300-6161-23-276969-0000

| SCALE: | PROJECT NO.: |
|---|---|
| AS SHOWN | 2502003 |
| SHEET NO.: 6 OF 10 | SHEET ID.: ⚠ CU501 |


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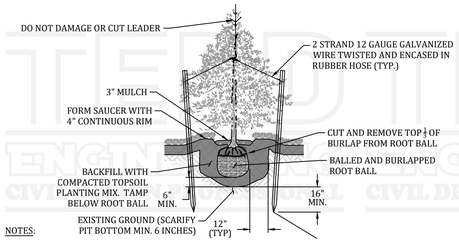
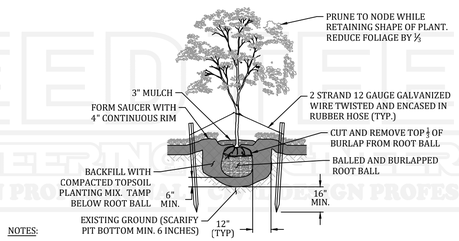
LAST PLOTTED BY: TEED ENGINEERING PLLC | 5/13/2025 8:31 AM




NOTES:

1. DO NOT DAMAGE MAIN ROOTS OR DESTROY ROOT BALL WHEN INSTALLING TREE STAKES.
2. WATER THOROUGHLY AFTER INSTALLATION
3. REMOVE TREE RINGS AND STAKES TWO YEARS AFTER INSTALLATION.
4. THOROUGHLY BLEND TOPSOIL MIX BEFORE BACKFILLING THE PLANTING HOLE AROUND THE TREE ROOT BALL. TOPSOIL MIX SHALL CONSIST OF 50% SCREENED TOPSOIL, 25% COMPOST OR OTHER ORGANIC MATTER AND 25% COARSE SAND.

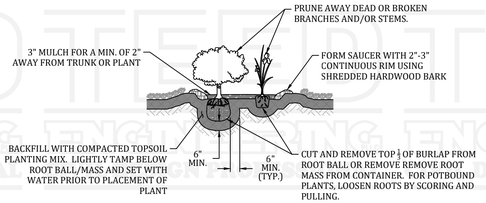
1 CU502 — CONIFEROUS TREE PLANTING
NOT TO SCALE




NOTES:

1. DO NOT DAMAGE MAIN ROOTS OR DESTROY ROOT BALL WHEN INSTALLING TREE STAKES.
2. WATER THOROUGHLY AFTER INSTALLATION
3. REMOVE TREE RINGS AND STAKES TWO YEARS AFTER INSTALLATION.
4. THOROUGHLY BLEND TOPSOIL MIX BEFORE BACKFILLING THE PLANTING HOLE AROUND THE TREE ROOT BALL. TOPSOIL MIX SHALL CONSIST OF 50% SCREENED TOPSOIL, 25% COMPOST OR OTHER ORGANIC MATTER AND 25% COARSE SAND.

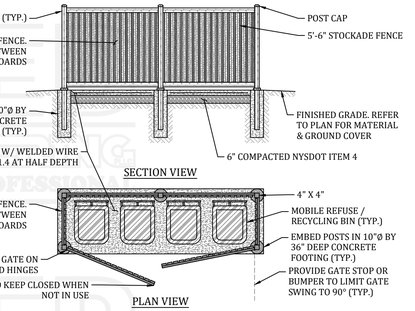
2 CU502 — DECIDIOUS TREE PLANTING
NOT TO SCALE



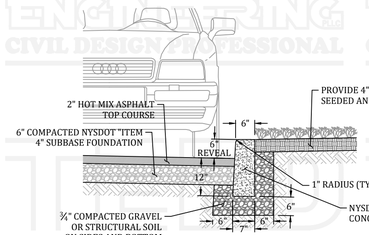

NOTES:

1. WATER THOROUGHLY AFTER INSTALLATION
2. THOROUGHLY BLEND TOPSOIL MIX BEFORE BACKFILLING THE PLANTING HOLE AROUND THE TREE ROOT BALL. TOPSOIL MIX SHALL CONSIST OF 50% SCREENED TOPSOIL, 25% COMPOST OR OTHER ORGANIC MATTER AND 25% COARSE SAND.
3. REMOVE ALL TAGS, TWINE AND OTHER NON-BIODEGRADABLE MATERIALS ATTACHED TO ROOT MASS.

3 CU502 — SHRUB PLANTING
NOT TO SCALE




4 CU502 — REFUSE ENCLOSURE
NOT TO SCALE

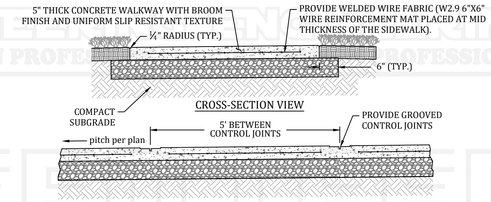



SECTION VIEW

NOTES:

1. CONCRETE SHALL BE 4,000 PSI MINIMUM.

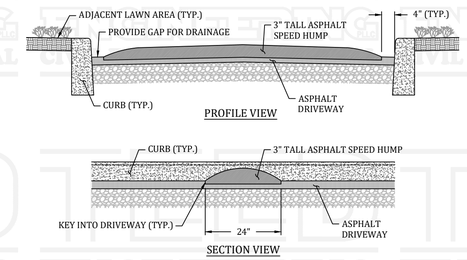
5 CU502 — PAVEMENT AND CURBING
NOT TO SCALE




NOTES:

1. THERE SHALL BE NO VERTICAL DISCREPANCIES GREATER THAN ¼" BETWEEN SIDEWALK PANELS.
2. PROVIDE ⅜" THICK TRANSVERSE FULL DEPTH PREMOLDED BITUMINOUS EXPANSION JOINTS EVERY 25' AND GROOVE TOOLED CONTROL JOINTS EVERY 5'. EXPANSION JOINTS SHALL BE FINISHED WITH ¼" EDGING TOOL.
3. CONCRETE SHALL BE NYSDOT CLASS "A" HAVING A COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS.
4. PROVIDE 2" MIN CLEARANCE BETWEEN REINFORCEMENT AND EXPANSION JOINTS.
5. THE CONCRETE SIDEWALK SHALL RECEIVED TWO COATS OF ANTI-SPALLING COMPOUND AFTER 28 DAY CURE.

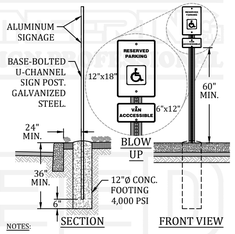
6 CU502 — SIDEWALK
NOT TO SCALE




NOTES:

1. SPEED HUMP TO BE MADE OF TOP COURSE ASPHALT. MILL SURFACE 1" BELOW SPEED HUMP TO KEY IN. TACK COAT BETWEEN SPEED HUMP ASPHALT AND ASPHALT DRIVEWAY.

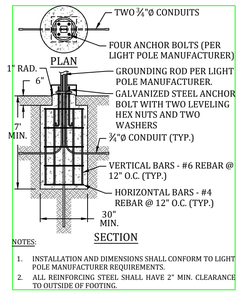
7 CU502 — TRAFFIC CALMING SPEED BUMP
NOT TO SCALE




NOTES:

1. ALL SIGNS SHALL BE INSTALLED TO MEET ADA REQUIREMENTS.
2. SIGN AND POST SHALL BE INSTALLED TO RESIST DISPLACEMENT BY VANDALISM AND WIND FORCES. ALL SIGNS SHALL BE CONSTRUCTED TO REMAIN IN PERMANENT POSITION.

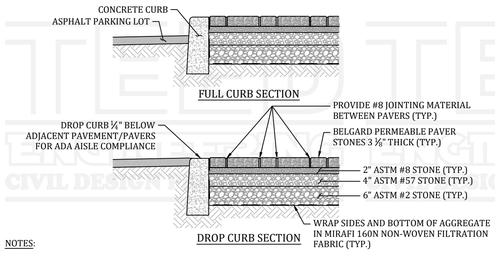
8 CU502 — ADA REQUIRED SIGNAGE
NOT TO SCALE




NOTES:

1. INSTALLATION AND DIMENSIONS SHALL CONFORM TO LIGHT POLE MANUFACTURER REQUIREMENTS.
2. ALL REINFORCING STEEL SHALL HAVE 2" MIN. CLEARANCE TO OUTSIDE OF FOOTING.

9 CU502 — LIGHT POLE FOUNDATION
NOT TO SCALE




NOTES:

1. THERE SHALL BE NO VERTICAL DISCREPANCIES GREATER THAN ⅛" BETWEEN PAVER PANELS.
2. SUBBASE BELOW AGGREGATE NOT TO BE COMPACTED SO AS TO ALLOW FOR PROPER INFILTRATION OF STORMWATER AND MAINTAIN PERMEABILITY OF EXISTING SOIL.
3. MAINTAIN MAXIMUM SLOPES AND GAPS AS REQUIRED PER ADA REQUIREMENTS.

10 CU502 — PAVER SIDEWALK/PATIO
NOT TO SCALE

APPROVAL BLOCK

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TEED ENGINEERING, PLLC
NYSDOE COA # 0021016
UNTIL 10/31/2026

PROFESSIONAL CERTIFICATION:

STATE OF NEW YORK · JAMES W. TEED, JR. · 094633 · LICENSED PROFESSIONAL ENGINEER

JAMES W. TEED, JR.
094633

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TEED ENGINEERING PLLC CIVIL DESIGN PROFESSIONAL


TEED ENGINEERING, PLLC
55 MANSION STREET #535
POUGHKEEPSIE, NY 12601
PHONE: (845) 418-5461
EMAIL: JIM@TEEDENGINEERING.COM


| MARK | # | DESCRIPTION | DATE |
|---|---|---|---|
| | 4 | . | - |
| | 3 | . | - |
| ⚠ | 2 | 04/01/2025 DENIAL LETTER | 05/13/2025 |
| | 1 | INITIAL SUBMISSION | 03/21/2025 |

SHEET TITLE:
SITE CONSTRUCTION DETAILS

PROJECT NAME AND ADDRESS:
5 COPNY LLC
149 CANNON STREET
POUGHKEEPSIE, NY 12601

TAX MAP ID.: 131300-6161-23-276969-0000

| SCALE: | PROJECT NO.: |
|---|---|
| AS SHOWN | 2502003 |
| SHEET NO.: 7 OF 10 | SHEET ID.: ⚠ CU502 |


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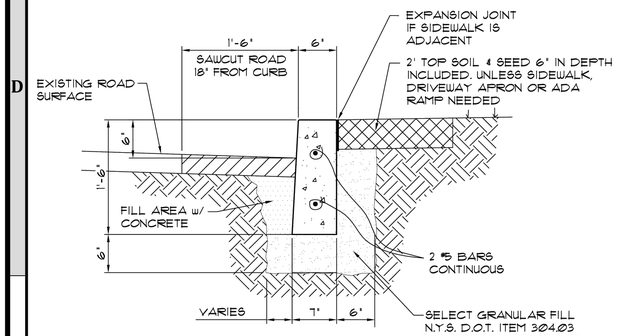
DRAWING REFERENCE: 2502003CU101_C.DWG
LAST PLOTTED BY: TEED ENGINEERING PLLC | 5/13/2025 8:31 AM

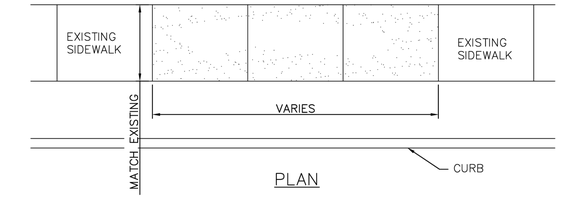



NOTE:

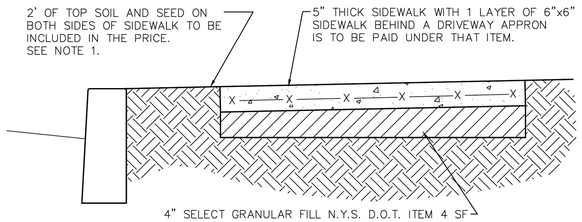
1. CONCRETE SHALL BE MINIMUM 4,000 PSI

## FORMED CURB DETAIL

SCALE: 1"-1'-0"




PLAN



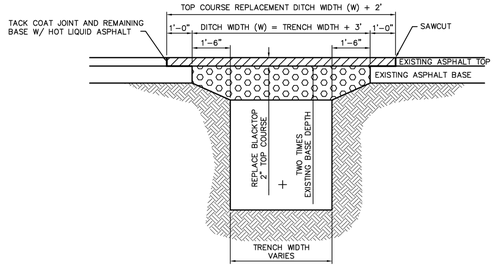

SECTION

NOTES:

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

## SIDEWALK DETAIL REPLACE & NEW

SCALE: 1" =1'-0"




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.

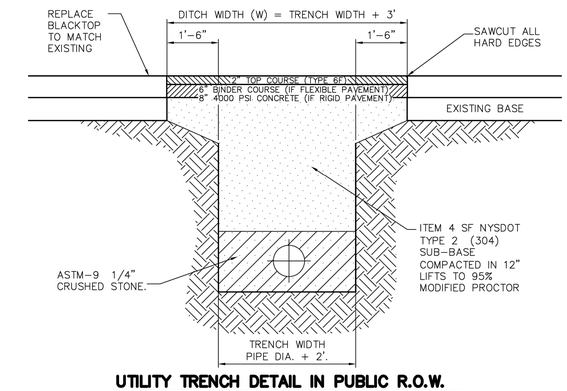
ALL JOINTS TO BE SQUARED TO THE EXISTING EDGE OF CURB AND/ OR PAVEMENT, AND TACK COATED PER DETAIL.

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.

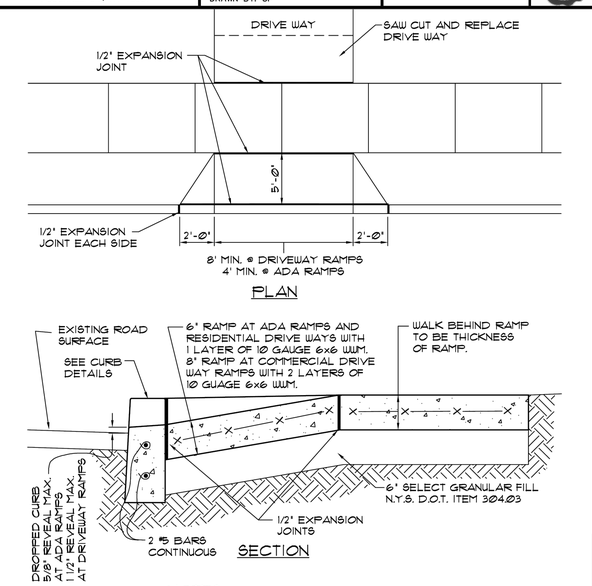



## UTILITY TRENCH DETAIL IN PUBLIC R.O.W.

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

NOTES:

1. DITCH WIDTH SHALL EXTEND A MINIMUM OF ONE AND ONE-HALF FT. FROM THE EDGES OF THE TRENCH.
2. REPLACED BASE MATERIAL OVER TRENCH SHALL BE ITEM 4 COMPACTED IN 12" LIFTS.
3. PIPE BEDDING SHALL BE A MINIMUM OF 6" ABOVE AND BELOW PIPE
4. ALL JOINTS SHALL BE MECHANICALLY SAWED.
5. ALL JOINTS SHALL BE SQUARED TO THE EXISTING EDGE OF CURB AND/OR PAVEMENT, AND TACK COATED PER DETAIL.
6. ROAD SURFACE REPLACEMENT SHALL BE MINIMUM OF SIX INCHES OF ASPHALIC CONCRETE.
7. BINDER COURSE ASPHALT PAVEMENT TO BE PLACED IN TWO LIFTS.




PLAN

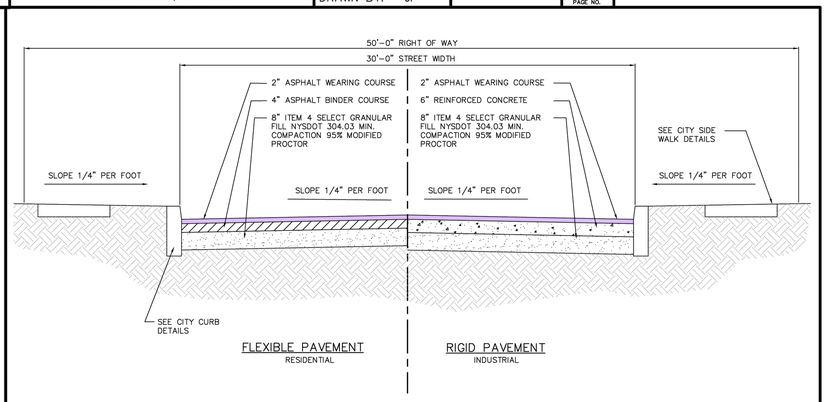
SECTION

NOTES:

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

## DRIVEWAY RAMPS & ADA RAMP

SCALE: 1" =1'-0"




## TYPICAL STREET SECTION

SCALE: N.T.S.

1 CU503 SPECIAL NOTE

1. THE DETAILS SHOWN ARE THE CITY OF POUGHKEEPSIE STANDARD DETAILS FOR WORK WITHIN THE PUBLIC RIGHT-OF-WAY AND ARE PRESENTED EXACTLY AS THEY WERE CREATED BY THE CITY OF POUGHKEEPSIE. NOTES PERTAINING TO PAY ITEMS ARE NOT APPLICABLE.

APPROVAL BLOCK

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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 |

FORMED CURB DETIAL — 1 PAGE NO.

CITY OF POUGHKEEPSIE ENGINEERING DEPARTMENT
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POUGHKEEPSIE, NY 12601

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| DATE: | 5-16-00 |
| SCALE: | AS NOTED |
| DRAWN BY: | JP |

SIDEWALK DETAIL — 1 PAGE NO.

CITY OF POUGHKEEPSIE ENGINEERING DEPARTMENT
62 CIVIC CENTER PLAZA
POUGHKEEPSIE, NY 12601

| | |
|---|---|
| FILE NO.: | 001-DET |
| DATE: | 2-27-12 |
| SCALE: | AS NOTED |
| DRAWN BY: | JP |

FLEXIBILE PAVEMENT DETAIL — 1 PAGE NO.

CITY OF POUGHKEEPSIE ENGINEERING DEPARTMENT
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POUGHKEEPSIE, NY 12601

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|---|---|
| PROJECT: | LSRP |
| DATE: | 10-30-2018 |
| SCALE: | NTS |
| DRAWN BY: | JAC |

TRENCH AND PAVEMENT DETAIL — 4 PAGE NO.

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 |

DRIVEWAY & ADA RAMP DETAIL — 1 PAGE NO.

| | |
|---|---|
| FILE: | *.DWG |
| DATE: | 06-04-2009 |
| SCALE: | AS NOTED |
| DRAWN BY: | JP |

TYPICAL STREET SECTION

CITY OF POUGHKEEPSIE ENGINEERING DEPARTMENT
62 CIVIC CENTER PLAZA
POUGHKEEPSIE, NY 12601
1 PAGE NO.

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| ⚠ | 2 | 04/01/2025 DENIAL LETTER | 05/13/2025 |
| | 1 | INITIAL SUBMISSION | 03/21/2025 |

SHEET TITLE:
CITY OF POUGHKEEPSIE STANDARD RIGHT-OF-WAY DETAILS

PROJECT NAME AND ADDRESS:
5 COPNY LLC
149 CANNON STREET
POUGHKEEPSIE, NY 12601

TAX MAP ID.: 131300-6161-23-276969-0000

| SCALE: | PROJECT NO.: |
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| AS SHOWN | 2502003 |
| SHEET NO.: | SHEET ID.: |
| 8 OF 10 | ⚠ CU503 |


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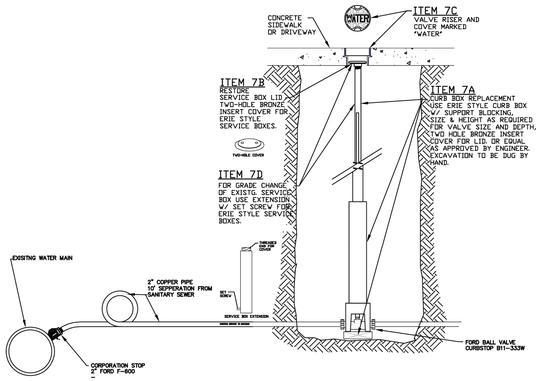
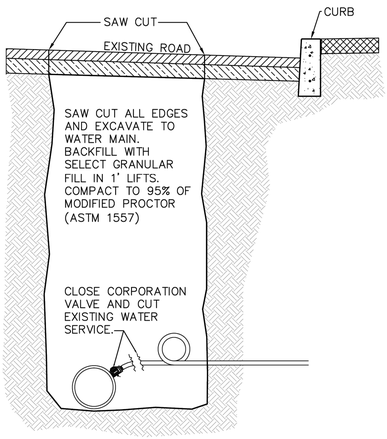



**CURB BOX AND SERVICE CONNECTION**

SCALE: N.T.S.

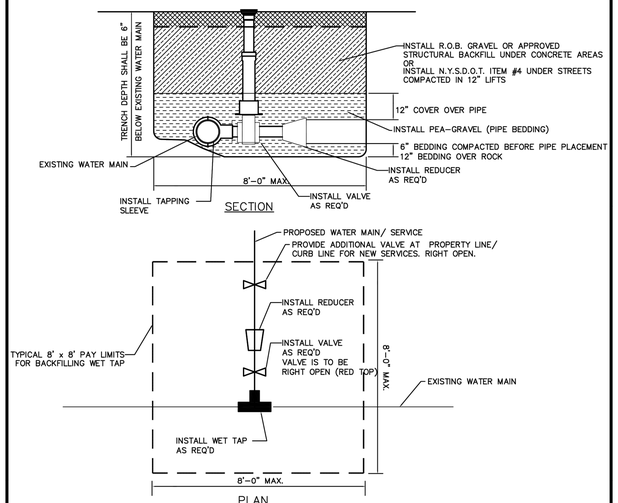
| | | |
|---|---|---|
| CURB BOX AND SERVICE CONNECTION | CITY OF POUGHKEEPSIE ENGINEERING DEPARTMENT 62 CIVIC CENTER PLAZA POUGHKEEPSIE, NY 12601 | 1 PAGE NO. |




**WATER SERVICE DISCONNECT AT MAIN**

SCALE: N.T.S.

| | | | |
|---|---|---|---|
| CITY OF POUGHKEEPSIE ENGINEERING DEPARTMENT 62 CIVIC CENTER PLAZA POUGHKEEPSIE, NY 12601 | PROJECT: LSRP<br>DATE: 10-30-2018<br>SCALE: NTS<br>DRAWN BY: JAC | WATER DISCONNECT AT MAIN | 3 PAGE NO. |

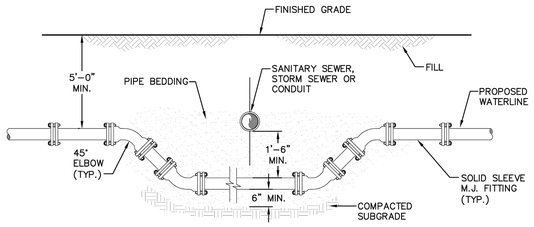



NOTE: ALL BACKFILL TO BE PLACED IN 1' LIFTS AND COMPACTED TO 95% OF MODIFIED PROCTOR (ASTM 1557)

**TAPPING SLEEVE & VALVE**

SCALE: N.T.S.

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



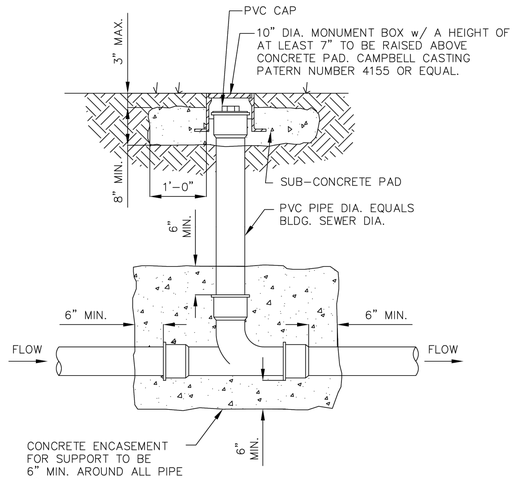

NOTES:

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 UNCUT 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 SLIP ON 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**

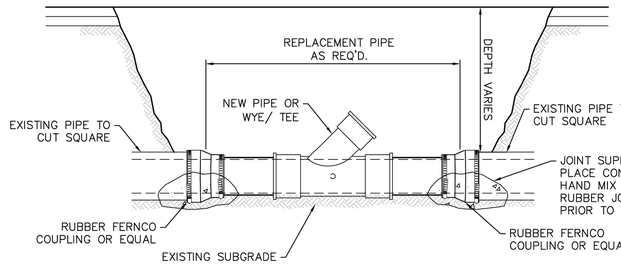
SCALE: N.T.S.

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




**RESIDENTIAL CLEAN-OUT DETAIL**

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




NOTES:

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

**TYPICAL SANITARY SEWER PIPE REPAIR OR WYE INSTALLATION DETAIL**

SCALE: N.T.S.

| | | | |
|---|---|---|---|
| FILE: *.DWG<br>DATE: 03-02-2009<br>SCALE: AS NOTED<br>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. |

1 CU504 SPECIAL NOTE

1. THE DETAILS SHOWN ARE THE CITY OF POUGHKEEPSIE STANDARD DETAILS FOR WORK WITHIN THE PUBLIC RIGHT-OF-WAY AND ARE PRESENTED EXACTLY AS THEY WERE CREATED BY THE CITY OF POUGHKEEPSIE. NOTES PERTAINING TO PAY ITEMS ARE NOT APPLICABLE.

APPROVAL BLOCK

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TEED ENGINEERING, PLLC
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CIVIL DESIGN PROFESSIONAL

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PHONE: (845) 418-5461
EMAIL: JIM@TEEDENGINEERING.COM

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| ⚠ | 2 | 04/01/2025 DENIAL LETTER | 05/13/2025 |
| | 1 | INITIAL SUBMISSION | 03/21/2025 |

SHEET TITLE:

**CITY OF POUGHKEEPSIE STANDARD UTILITY DETAILS**

PROJECT NAME AND ADDRESS:

**5 COPNY LLC**
**149 CANNON STREET**
**POUGHKEEPSIE, NY 12601**

TAX MAP ID.: 131300-6161-23-276969-0000

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|---|---|
| AS SHOWN | 2502003 |
| SHEET NO.: 9 OF 10 | SHEET ID.: ⚠ CU504 |

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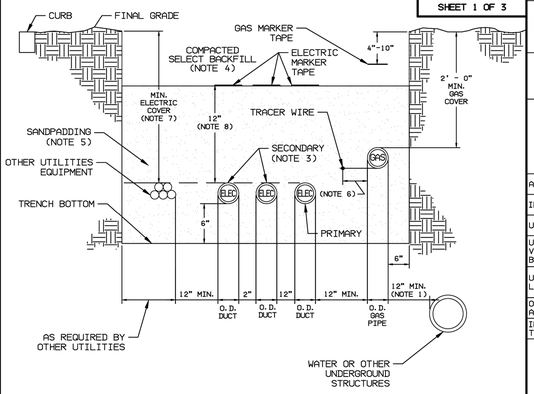
FIG. 11
SHEET 1 OF 3




NOTES:

1. THE MINIMUM CLEARANCE FROM GAS TO OTHER UTILITIES SUCH AS WATER & SEWER SHALL BE 12". CONSULT WITH OTHER UTILITIES OR REVIEW LOCAL ORDINANCES FOR ADDITIONAL CLEARANCE REQUIREMENTS. IF 12" CLEARANCE IS NOT POSSIBLE, REFER TO FIGURE 20 OF THE SPECIFICATIONS AND REQUIREMENTS OF GAS INSTALLATIONS.
2. GAS SHALL BE INSTALLED ON THE FIELD SIDE OF THE ELECTRIC.
3. SPACING SHALL BE MAINTAINED FOR CONCRETE ENCASED DUCTS.
4. COMPACTED SELECT BACKFILL MAY BE ON-SITE MATERIAL PROVIDED IT CONTAINS NO ROCKS OR STONES OVER 6" IN DIAMETER, ROOTS, STUMPS OR CONSTRUCTION DEBRIS.
5. REFER TO FIGURE 20 FOR DEFINITION OF SANDPADDING.
6. LOCATE TRACER WIRE A SUFFICIENT DISTANCE FROM PLASTIC PIPE TO MINIMIZE TRACER WIRE TO PIPE CONTACT.
7. FOR BURIAL DEPTH OF CONDUCTORS 1000 VOLTS AND UNDER SEE TABLE ON SHEET 2. FOR CONDUCTORS OVER 1000 VOLTS SEE TABLE ON SHEET 3.
8. FOR DIRECT BURIED CABLES NOT ENCASED IN CONCRETE PROVIDE AND INSTALL MARKER TAPE.
9. CONTACT "CALL BEFORE YOU DIG" AT 811 AND OBTAIN A MARKOUT PRIOR TO BREAKING GROUND.

| ELECTRIC STANDARDS | CENTRAL HUDSON GAS & ELECTRIC CORP. | DATE 9-7-18 |
|---|---|---|
| DRWN. _____ | TYPICAL COMMON TRENCH CONFIGURATION | ISSUE |
| DSGN. _____ | ELECTRIC DUCTS W/GAS AND OTHER UTILITIES | APP. |
| APPD. _____ | | APP. |

FIG. 11
SHEET 2 OF 3

## MINIMUM COVER REQUIREMENTS, 0 TO 1000 VOLTS, NOMINAL, BURIAL IN INCHES (IN.)

TYPE OF WIRING METHOD OR CIRCUIT

| TYPE OF WIRING METHOD OR CIRCUIT | DIRECT BURIAL CABLES OR CONDUCTORS | RIGID METAL CONDUIT | NONMETALLIC RACEWAYS LISTED FOR DIRECT BURIAL WITHOUT CONCRETE ENCASEMENT OR OTHER APPROVED RACEWAYS |
|---|---|---|---|
| | IN. | IN. | IN. |
| ALL LOCATIONS NOT SPECIFIED BELOW | 24 | 6 | 18 |
| IN TRENCH BELOW 2-IN. THICK CONCRETE OR EQUIVALENT | 18 | 6 | 12 |
| UNDER A BUILDING | 0 (NOTE 4) | 0 | 0 |
| UNDER MINIMUM OF 4-IN. THICK CONCRETE EXTERIOR SLAB WITH NO VEHICULAR TRAFFIC AND THE SLAB EXTENDING NOT LESS THAN 6 IN. BEYOND THE UNDERGROUND INSTALLATION | 18 (NOTE 6) | 4 | 4 |
| UNDER STREETS, HIGHWAYS, ROADS, ALLEYS, DRIVEWAYS, AND PARKING LOTS | 24 (NOTE 6) | 24 | 24 |
| ONE AND TWO-FAMILY DWELLING DRIVEWAYS AND OUTDOOR PARKING AREAS, AND USED ONLY FOR DWELLING-RELATED PURPOSES | 18 | 18 | 18 |
| IN OR UNDER AIRPORT RUNWAYS, INCLUDING ADJACENT AREAS WHERE TRESPASSING PROHIBITED | 18 | 18 | 18 |

NOTES:

1. COVER IS DEFINED AS THE SHORTEST DISTANCE IN INCHES MEASURED BETWEEN A POINT ON THE TOP SURFACE OF ANY DIRECT-BURIED CONDUCTOR. CABLE, CONDUIT, OR OTHER RACEWAY AND THE TOP SURFACE OF FINISHED GRADE, CONCRETE, OR SIMILAR COVER.
2. RACEWAYS APPROVED FOR BURIAL ONLY WHERE CONCRETE ENCASED SHALL REQUIRE CONCRETE ENVELOPE NOT LESS THAN 2 IN. THICK.
3. LESSER DEPTHS SHALL BE PERMITTED WHERE CABLES AND CONDUCTORS RISE FOR TERMINATIONS OR SPLICES OR WHERE ACCESS IS OTHERWISE REQUIRED.
4. DEPTH INDICATED ALLOWED WHEN CABLES OR CONDUCTORS ARE IN A RACEWAY OR TYPE MC OR MI CABLE IDENTIFIED FOR DIRECT BURIAL. SEE NEC ARTICLES 330 AND 332 FOR DEFINITIONS OF MC AND MI CABLE RESPECTIVELY.
5. WHERE SOLID ROCK PREVENTS COMPLIANCE WITH THE COVER DEPTHS SPECIFIED IN THIS TABLE, THE WIRING SHALL BE INSTALLED IN METAL OR NONMETALLIC RACEWAY PERMITTED FOR DIRECT BURIAL. THE RACEWAYS SHALL BE COVERED BY A MINIMUM OF 50 MM (2 IN.) OF CONCRETE EXTENDING DOWN TO ROCK.
6. IN URDs, SECONDARY CONDUCTORS AND CABLES SHALL BE INSTALLED IN CONDUIT FROM POINT OF ORIGIN TO POINT OF TERMINATION WHEN INSTALLED UNDER PAVED OR CONCRETE SURFACES (ROADS, DRIVEWAYS, SIDEWALKS, ETC.). SEE SECTION 4.5.2 AND FIG. 14 FOR MORE INFORMATION ON URDs.
7. TABLE IS DERIVED FROM NEC 300.5 FOR REFERENCE ONLY. WHERE THIS TABLE AND NEC TABLE 300.5 DIFFER, THE NEC SHALL TAKE PRECEDENCE.

| ELECTRIC STANDARDS | CENTRAL HUDSON GAS & ELECTRIC CORP. | DATE 4-13-20 |
|---|---|---|
| DRWN. _____ | TYPICAL COMMON TRENCH CONFIGURATION | ISSUE |
| DSGN. _____ | ELECTRIC DUCTS W/GAS MAIN AND OTHER UTILITIES | APP. |
| APPD. _____ | | APP. |

FIG. 11
SHEET 3 OF 3

## Minimum Cover Requirements, 1kV to 40kV, Nominal, Burial in Inches (in.) (Note 1)

| Circuit Voltage | General Conditions (not otherwise specified) | | | Special Conditions (use if applicable) | | |
|---|---|---|---|---|---|---|
| | Column 1 | Column 2 | Column 3 | Column 4 | Column 5 | Column 6 |
| | Direct-Buried Cables (Notes 4 & 8) | PVC Conduit (Note 2) | Rigid Metal Conduit | Raceways Under Buildings or Exterior Concrete Slabs, 4 in. Minimum Thickness (Note 3) | Cables in Airport Runways or Adjacent Areas Where Trespass Is Prohibited | Areas Subject to Vehicular Traffic, Such as Thoroughfares and Commercial Parking Areas |
| | in. | in. | in. | in. | in. | in. |
| Over 1 kV through 22 kV | 30 | 18 | 6 | 4 | 18 | 24 |
| Over 22 kV through 40 kV | 36 | 24 | 6 | 4 | 18 | 24 |

NOTES:

1. COVER IS DEFINED AS THE SHORTEST DISTANCE IN INCHES MEASURED BETWEEN A POINT ON THE TOP SURFACE OF ANY DIRECT-BURIED CONDUCTOR, CABLE, CONDUIT, OR OTHER RACEWAY AND THE TOP SURFACE OF FINISHED GRADE, CONCRETE, OR SIMILAR COVER.
2. LISTED BY A QUALIFIED TESTING AGENCY AS SUITABLE FOR DIRECT BURIAL WITHOUT ENCASEMENT. ALL OTHER NONMETALLIC SYSTEMS SHALL REQUIRE 2 IN. OF CONCRETE OR EQUIVALENT ABOVE CONDUIT IN ADDITION TO THE TABLE DEPTH.
3. THE SLAB SHALL EXTEND A MINIMUM OF 6 IN. BEYOND THE UNDERGROUND INSTALLATION, AND A WARNING RIBBON OR OTHER EFFECTIVE MEANS SUITABLE FOR THE CONDITIONS SHALL BE PLACED ABOVE THE UNDERGROUND INSTALLATION.
4. UNDERGROUND DIRECT-BURIED CABLES THAT ARE NOT ENCASED OR PROTECTED BY CONCRETE AND ARE BURIED 30 IN. OR MORE BELOW GRADE SHALL HAVE THEIR LOCATION IDENTIFIED BY A WARNING RIBBON THAT IS PLACED IN THE TRENCH AT LEAST 12 IN. ABOVE THE CABLES.
5. LESSER DEPTHS SHALL BE PERMITTED WHERE CABLES AND CONDUCTORS RISE FOR TERMINATIONS OR SPLICES OR WHERE ACCESS IS OTHERWISE REQUIRED.
6. WHERE SOLID ROCK PREVENTS COMPLIANCE WITH THE COVER DEPTHS SPECIFIED IN THIS TABLE, THE WIRING SHALL BE INSTALLED IN METAL OR NONMETALLIC RACEWAY PERMITTED FOR DIRECT BURIAL. THE RACEWAYS SHALL BE COVERED BY A MINIMUM OF 2 IN. OF CONCRETE EXTENDING DOWN TO ROCK.
7. IN INDUSTRIAL ESTABLISHMENTS, WHERE CONDITIONS OF MAINTENANCE AND SUPERVISION ENSURE THAT QUALIFIED PERSONS WILL SERVICE THE INSTALLATION, THE MINIMUM COVER REQUIREMENTS, FOR OTHER THAN RIGID METAL CONDUIT AND INTERMEDIATE METAL CONDUIT, SHALL BE PERMITTED TO BE REDUCED 6 IN. FOR EACH 2 IN. OF CONCRETE OR EQUIVALENT PLACED ENTIRELY WITHIN THE TRENCH OVER THE UNDERGROUND INSTALLATION.
8. IN URDs, PRIMARY CONDUCTORS SHALL BE INSTALLED IN CONDUIT. DIRECT-BURIED CABLES ARE NOT ACCEPTABLE. SEE SECTION 4.5.2 AND FIGURE 14 FOR MORE INFORMATION ON URDs.
9. TABLE IS DERIVED FROM NEC 300.50 FOR REFERENCE ONLY. WHERE THIS TABLE AND NEC TABLE 300.50 DIFFER, THE NEC SHALL TAKE PRECEDENCE.

| ELECTRIC STANDARDS | CENTRAL HUDSON GAS & ELECTRIC CORP. | DATE 4-13-20 |
|---|---|---|
| DRWN. _____ | TYPICAL COMMON TRENCH CONFIGURATION | ISSUE |
| DSGN. _____ | ELECTRIC DUCTS W/GAS MAIN AND OTHER UTILITIES | APP. |
| APPD. _____ | | APP. |

1 CU505 SPECIAL NOTE

1. THE DETAILS SHOWN ARE THE CENTRAL HUDSON GAS & ELECTRIC STANDARD DETAILS FOR WORK ASSOCIATED WITH THEIR UTILITIES AND ARE PRESENTED EXACTLY AS THEY WERE CREATED BY CENTAL HUDSON GAS & ELECTRIC.

APPROVAL BLOCK

UDIG·NY
SAFE DIGGING STARTS HERE

TEED ENGINEERING, PLLC
NYSDOE COA # 0021016
UNTIL 10/31/2026

SCAN HERE

PROFESSIONAL CERTIFICATION:

STATE OF NEW YORK · JAMES W. TEED JR · LICENSED PROFESSIONAL ENGINEER · 094633

JAMES W. TEED, JR.
094633

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TEED ENGINEERING PLLC
CIVIL DESIGN PROFESSIONAL


TEED ENGINEERING, PLLC
55 MANSION STREET #535
POUGHKEEPSIE, NY 12601
PHONE: (845) 418-5461
EMAIL: JIM@TEEDENGINEERING.COM


| MARK | # | DESCRIPTION | DATE |
|---|---|---|---|
| | 4 | . | . |
| | 3 | . | . |
| ⚠ | 2 | 04/01/2025 DENIAL LETTER | 05/13/2025 |
| | 1 | INITIAL SUBMISSION | 03/21/2025 |

SHEET TITLE:
**CENTRAL HUDSON GAS & ELECTRIC STANDARD UTILITY DETAILS**

PROJECT NAME AND ADDRESS:
**5 COPNY LLC**
**149 CANNON STREET**
**POUGHKEEPSIE, NY 12601**

TAX MAP ID.: 131300-6161-23-276969-0000

| SCALE: | PROJECT NO.: |
|---|---|
| AS SHOWN | 2502003 |
| SHEET NO.: 10 OF 10 | SHEET ID.: ⚠ CU505 |


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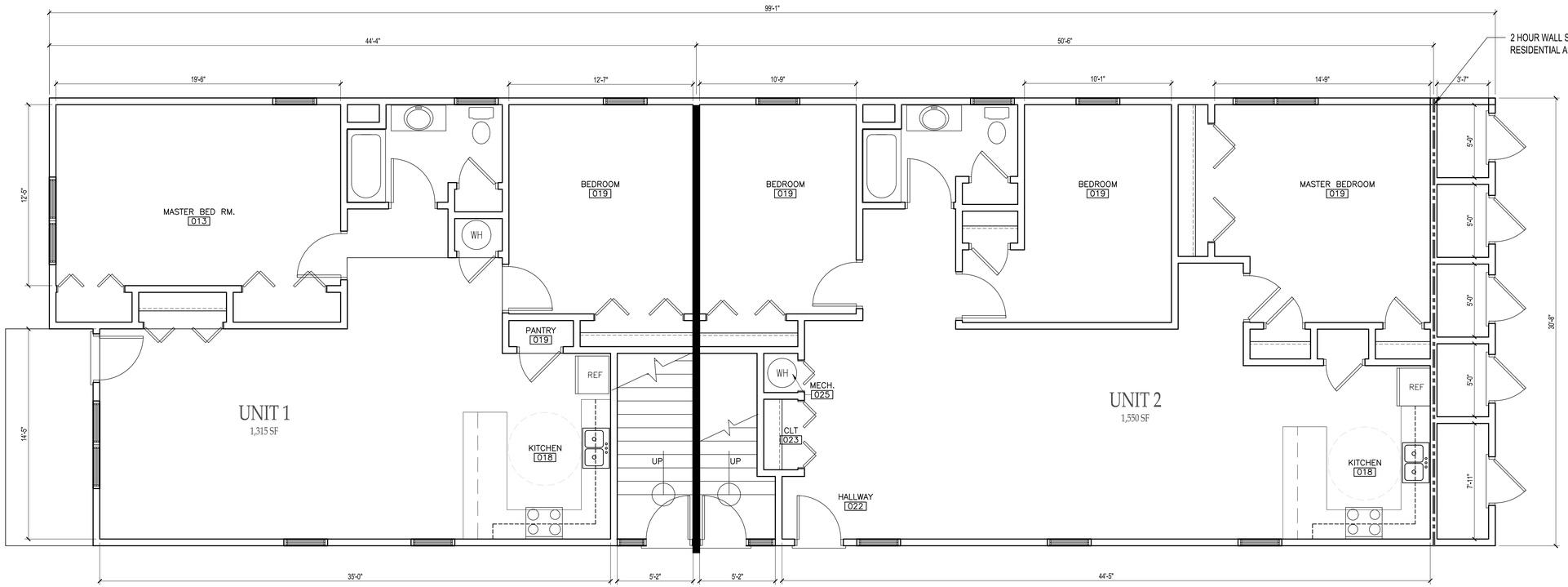
STREET FRONT
CANNON STREET




# 1ST FLOOR PLAN

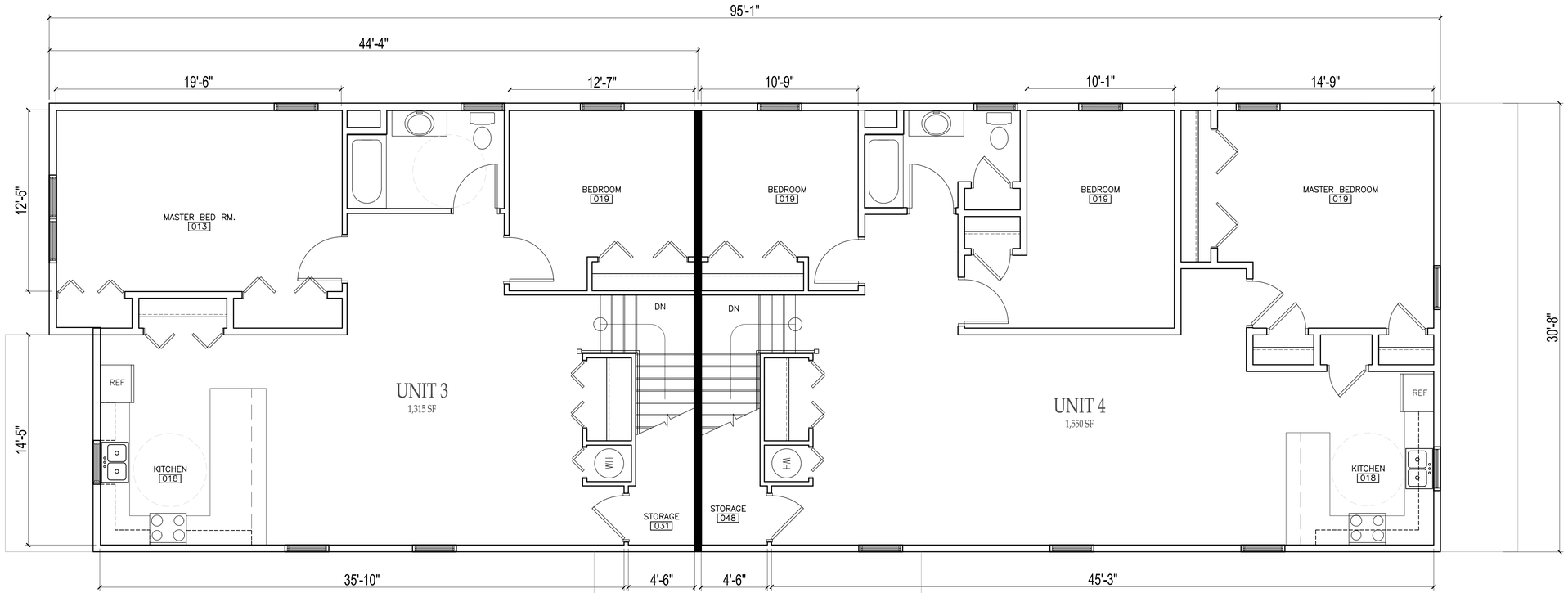
149 CANNON ST | PARCEL 6161-23-276969

LMV PROJ. 25013

MAY 12, 2025

Liscum McCormack VanVoorhis
ARCHITECTURE PLANNING INTERIORS

STREET FRONT
CANNON STREET




# 2ND FLOOR PLAN

149 CANNON ST | PARCEL 6161-23-276969

LMV PROJ. 25013

MAY 12, 2025

Liscum McCormack VanVoorhis
ARCHITECTURE PLANNING INTERIORS

SOUTH ELEVATION - STREET FRONT

EAST ELEVATION

EXTERIOR MATERIALS

**RF-01** ROOF SHINGLES
TIMBERLINE GAF ASPHALT SHINGLES OR EQUIVALENT, COLOR: FOX HOLLOW GRAY

ROOF SHINGLES
TIMBERLINE GAF ASPHALT SHINGLES OR EQUIVALENT, COLOR: OYSTER GREY

**SD-01** EXTERIOR SIDING
JAMES HARDIE SHINGLE SIDING OR EQUAL
COLOR: SLATE GRAY

**SD-02** EXTERIOR SIDING
JAMES HARDIE LAPSIDING OR EQUAL
COLOR: DEEP OCEAN

EXTERIOR SIDING
JAMES HARDIE LAPSIDING OR EQUAL
COLOR: BOOTHBAY BLUE

**TR-01** EXTERIOR TRIM
AZEK EXTERIORS PVC TRIM OR EQUAL

# BUILDING ELEVATIONS

149 CANNON ST | PARCEL 6161-23-276969

LMV PROJ. 25013

MAY 12, 2025

Liscum McCormack VanVoorhis
ARCHITECTURE PLANNING INTERIORS

NORTH ELEVATION - REAR

WEST ELEVATION

ELEVATION OPENING CALCULATIONS
ELEVATION = 3,260 SF x 25% = 815 SF
OPENINGS = 238 SF < 815 SF COMPLIES

EXTERIOR MATERIALS

**RF-01** ROOF SHINGLES
TIMBERLINE GAF ASPHALT SHINGLES OR EQUIVALENT, COLOR: FOX HOLLOW GRAY

ROOF SHINGLES
TIMBERLINE GAF ASPHALT SHINGLES OR EQUIVALENT, COLOR: OYSTER GREY

**SD-01** EXTERIOR SIDING
JAMES HARDIE SHINGLE SIDING OR EQUAL
COLOR: SLATE GRAY

**SD-02** EXTERIOR SIDING
JAMES HARDIE LAPSIDING OR EQUAL
COLOR: DEEP OCEAN

EXTERIOR SIDING
JAMES HARDIE LAPSIDING OR EQUAL
COLOR: BOOTHBAY BLUE

**TR-01** EXTERIOR TRIM
AZEK EXTERIORS PVC TRIM OR EQUAL

# BUILDING ELEVATIONS

149 CANNON ST | PARCEL 6161-23-276969

LMV PROJ. 25013
MAY 12, 2025

Liscum McCormack VanVoorhis
ARCHITECTURE PLANNING INTERIORS

# *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:
149 Cannon St

Project Location (describe, and attach a location map):
149 Cannon Street, Poughkeepsie, NY 12601 (Parcel #: 131300-6161-23-276969)

Brief Description of Proposed Action:
Construction of a 4-family residential structure with two 2-bedroom units and two 3-bedroom units.

| Name of Applicant or Sponsor: | Telephone: c/o 845-874-7166 |
|---|---|
| 5COPNY LLC c/o Natalie Quinn, KARC Planning Consultants | E-Mail: c/o natalie@karcpc.com |

Address:
PO Box 8010

| City/PO: | State: | Zip Code: |
|---|---|---|
| Pelham | NY | 10803 |

| | NO | YES |
|---|---|---|
| 1. Does the proposed action only involve the legislative adoption of a plan, local law, ordinance, administrative rule, or regulation? If Yes, attach a narrative description of the intent of the proposed action and the environmental resources that may be affected in the municipality and proceed to Part 2. If no, continue to question 2. | ☑ | ☐ |
| 2. Does the proposed action require a permit, approval or funding from any other government Agency? If Yes, list agency(s) name and permit or approval: | ☐ | ☑ |

3. a. Total acreage of the site of the proposed action? 0.215 acres
   b. Total acreage to be physically disturbed? 0.215 acres
   c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? 0.215 acres

4. Check all land uses that occur on, are adjoining or near the proposed action:

5. ☑ Urban ☐ Rural (non-agriculture) ☐ Industrial ☐ Commercial ☑ Residential (suburban)
   ☐ Forest ☐ Agriculture ☐ Aquatic ☐ Other(Specify):
   ☐ Parkland

| | NO | YES | N/A |
|---|---|---|---|
| 5. Is the proposed action, | | | |
| a. A permitted use under the zoning regulations? | ☐ | ☑ | ☐ |
| b. Consistent with the adopted comprehensive plan? | ☐ | ☑ | ☐ |

| | NO | YES |
|---|---|---|
| 6. Is the proposed action consistent with the predominant character of the existing built or natural landscape? | ☐ | ☑ |

| | NO | YES |
|---|---|---|
| 7. Is the site of the proposed action located in, or does it adjoin, a state listed Critical Environmental Area? | | |
| If Yes, identify: _____ | ☑ | ☐ |

| | NO | YES |
|---|---|---|
| 8. a. Will the proposed action result in a substantial increase in traffic above present levels? | ☑ | ☐ |
| b. Are public transportation services available at or near the site of the proposed action? | ☐ | ☑ |
| c. Are any pedestrian accommodations or bicycle routes available on or near the site of the proposed action? | ☐ | ☑ |

| | NO | YES |
|---|---|---|
| 9. Does the proposed action meet or exceed the state energy code requirements? | | |
| If the proposed action will exceed requirements, describe design features and technologies: | | |
| The proposed action will meet the state energy code requirements. _____ | ☐ | ☑ |
| _____ | | |

| | NO | YES |
|---|---|---|
| 10. Will the proposed action connect to an existing public/private water supply? | | |
| If No, describe method for providing potable water: _____ | ☐ | ☑ |
| _____ | | |

| | NO | YES |
|---|---|---|
| 11. Will the proposed action connect to existing wastewater utilities? | | |
| If No, describe method for providing wastewater treatment: _____ | ☐ | ☑ |
| _____ | | |

| | NO | YES |
|---|---|---|
| 12. a. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district which is listed on the National or State Register of Historic Places, or that has been determined by the Commissioner of the NYS Office of Parks, Recreation and Historic Preservation to be eligible for listing on the State Register of Historic Places? | ☐ | ☑ |
| See attached CRIS Map | | |
| b. Is the project site, or any portion of it, located in or adjacent to an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory? | ☑ | ☐ |

| | NO | YES |
|---|---|---|
| 13. a. Does any portion of the site of the proposed action, or lands adjoining the proposed action, contain wetlands or other waterbodies regulated by a federal, state or local agency? | ☑ | ☐ |
| b. Would the proposed action physically alter, or encroach into, any existing wetland or waterbody? | ☑ | ☐ |
| If Yes, identify the wetland or waterbody and extent of alterations in square feet or acres: _____ | | |
| _____ | | |
| _____ | | |

14. Identify the typical habitat types that occur on, or are likely to be found on the project site. Check all that apply:

☐ Shoreline ☐ Forest ☐ Agricultural/grasslands ☐ Early mid-successional

☐ Wetland ☑ Urban ☐ Suburban

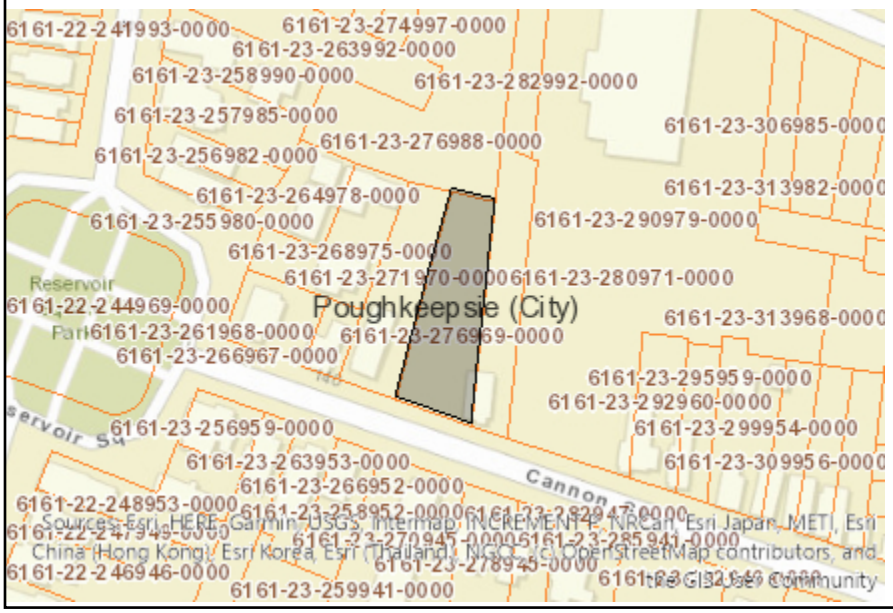
| | NO | YES |
|---|---|---|
| 15. Does the site of the proposed action contain any species of animal, or associated habitats, listed by the State or Federal government as threatened or endangered? | ☑ | ☐ |
| 16. Is the project site located in the 100-year flood plan? | ☑ | ☐ |
| 17. Will the proposed action create storm water discharge, either from point or non-point sources? | ☐ | ☑ |
| If Yes, | | |
| a. Will storm water discharges flow to adjacent properties? | ☑ | ☐ |
| b. Will storm water discharges be directed to established conveyance systems (runoff and storm drains)? | ☑ | ☐ |
| If Yes, briefly describe: _____ | | |
| 18. Does the proposed action include construction or other activities that would result in the impoundment of water or other liquids (e.g., retention pond, waste lagoon, dam)? | ☑ | ☐ |
| If Yes, explain the purpose and size of the impoundment: _____ | | |
| ~~1~~9. 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: _____ | | |
| No spills on subject property. Remediations located within 2,000': B00148, C314126, C314126A, C314130, C314134 | | |

**I CERTIFY THAT THE INFORMATION PROVIDED ABOVE IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE**

Applicant/sponsor/name: Natalie Quinn, KARC Planning Consultants Date: March 25, 2025

Signature: _____ Title: Agent for Applicant

**PRINT FORM**

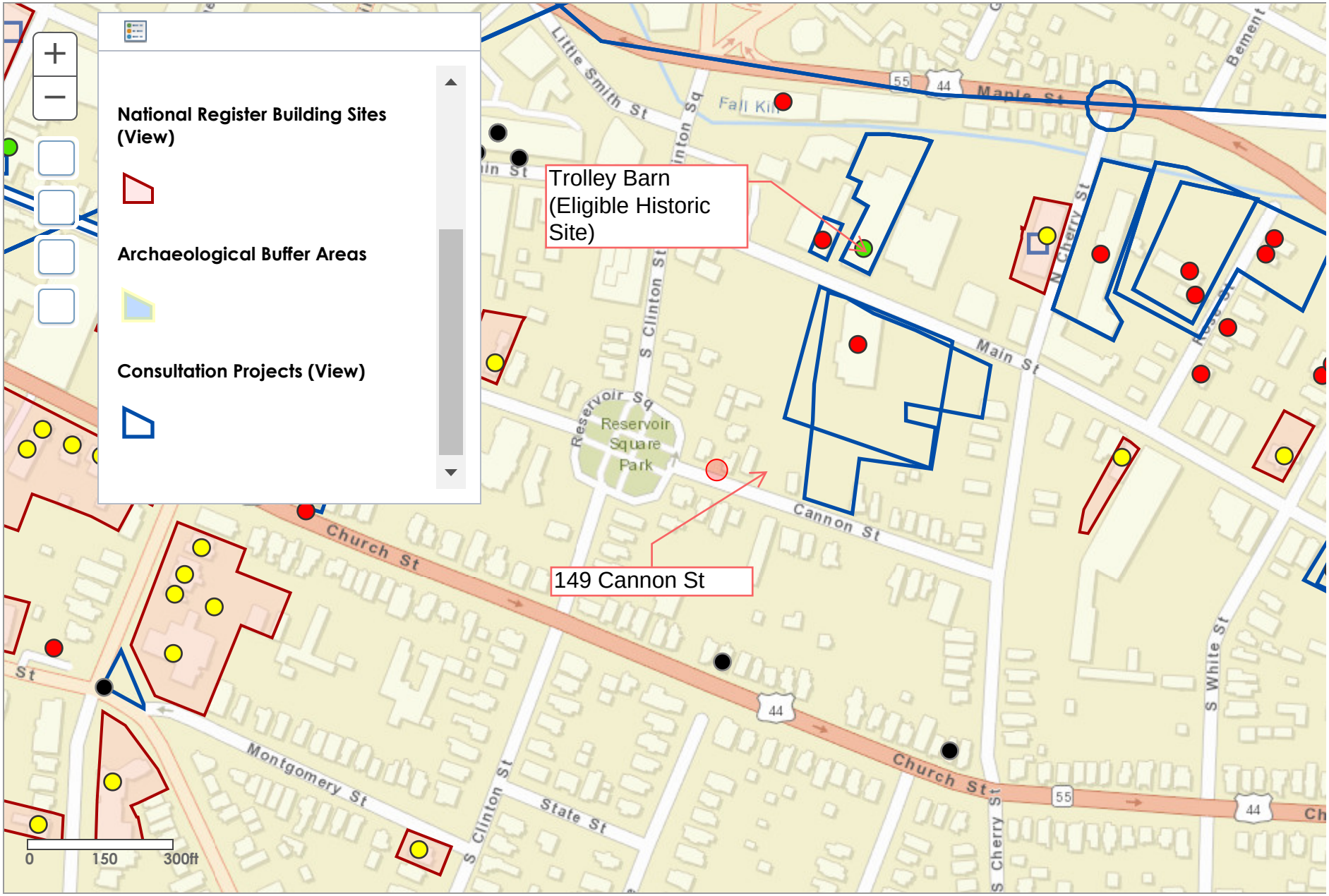



**Disclaimer:** The EAF Mapper is a screening tool intended to assist project sponsors and reviewing agencies in preparing an environmental assessment form (EAF). Not all questions asked in the EAF are answered by the EAF Mapper. Additional information on any EAF question can be obtained by consulting the EAF Workbooks. Although the EAF Mapper provides the most up-to-date digital data available to DEC, you may also need to contact local or other data sources in order to obtain data not provided by the Mapper. Digital data is not a substitute for agency determinations.

| | |
|---|---|
| Part 1 / Question 7 [Critical Environmental Area] | No |
| Part 1 / Question 12a [National or State Register of Historic Places or State Eligible Sites] | Yes |
| Part 1 / Question 12b [Archeological Sites] | No |
| Part 1 / Question 13a [Wetlands or Other Regulated Waterbodies] | No |
| Part 1 / Question 15 [Threatened or Endangered Animal] | No |
| Part 1 / Question 16 [100 Year Flood Plain] | No |
| Part 1 / Question 20 [Remediation Site] | Yes |

CRIS NYS Cultural Resource Information System

HOME SUBMIT SEARCH COMMUNICATE



NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

# Environmental Site Remediation Database Search Details

## Site Record

### Document Repository

Site-related documents are available for review through the DECInfo Locator on line at DECInfoLocator

## Administrative Information

**Site Name:** "400 Block" Restoration Area
**Site Code:** B00148
**Program:** Environmental Restoration Program
Classification: C
**EPA ID Number:**

## Location

**DEC Region:** 3
**Address:** 413-441 Main St
**City:**Poughkeepsie Zip: 12601
**County:**Dutchess
**Latitude:** 41.70237425
**Longitude:** -73.92231127
**Site Type:**
**Estimated Size:** 1.7 Acres

## Institutional And Engineering Controls

**Control Type:**
Deed Restriction

**Control Elements:**
Landuse Restriction
Cover System
Alternate Water Supply
Soil Management Plan
Vapor Mitigation

## Site Owner(s) and Operator(s)

**Current Owner Name:** CITY OF POUGHKEEPSIE
**Current Owner(s) Address:** CITY HALL, P.O. BOX 3000
POUGHKEEPSIE,NY, 12601

## Site Description

Location: The “400 Block” Restoration Area Site is located at 413-441 Main Street, in Poughkeepsie, Dutchess County, New York on an irregularly shaped 1.7-acre parcel. The Site is located on the northern side of Main Street and the southern side of Mill Street. Site Features: The property contains three, 3-story structures that occupy the entirety of the property’s southern frontage along Main Street. The southern portion of the property is developed with multi-story brick and wood structures, in which portions of these buildings are partially collapsed. These structures are currently vacant. Historically, these buildings were used for retail, commercial and residential purposes. The central western portion of the property is comprised of an unpaved parking area with overgrown trees and grass. A concrete loading dock extends south from a multi-story brick building located in the north-western portion of the property. An unpaved vacant lot comprised of overgrown lawn is located in the eastern portion of the property. All structures contain ground floor residential and retail commercial uses. The Site is served by storm sewers, sanitary sewers and public water. No surface water is present at the Site. Fall Kill Creek is located approximately 200 feet north of the Site, and the Hudson River is located approximately 1 mile west of the Site. Current Zoning and Land Use: The Site’s general location is in an urban setting and is presently zoned as commercial land. The surrounding parcels are currently used for a combination of residential and commercial purposes. Manufacturing uses prior to World War II include the production of carriage mountings, fur hats, clothing, sheet metal and brass. During the period 1950-1980, portions of the Site were used for automotive repair, a machine shop, wholesale electrical supply, clothing manufacture, and residences. Past Use of the Site: In 1979, several parcels along Mill Street were acquired by Lomasney Combustion Inc. for the installation and service of oil-fired boilers. This operation included the storage and use of fuel oils, machine lubricants, hydraulic oils, and, possibly, waste oils. This operation may have also been associated with the handling of mercury switches and thermostats, as well as other electrical equipment containing PCBs. These activities continued until 1986. In 1998 the Site was acquired by the City of Poughkeepsie for construction of multi-family homes. A preliminary environmental site assessment was conducted on behalf of the City of Poughkeepsie in 1998. This assessment identified the presence of unregistered above ground storage and underground petroleum storage tanks, and the potential for asbestos- and lead- containing building materials. Test pits and soil borings confirmed the presence of subsurface petroleum contamination in the area of underground storage tanks, and identified lead, cadmium, PCBs, and Polycyclic Aromatic Hydrocarbons (PAHs) in the soil floor of the Lomasney Building. Site Geology and Hydrogeology: The upper layer of Site soils was found to be urban fill consisting of sand, silt, and cobbles, but also including cinders, coal, and brick fragments. At depths ranging from 4 to 6 feet, a thin layer of organic soil was encountered, followed by a layer of silt containing varying amounts of clay and sand. Shale bedrock was encountered at depths ranging from 13 to 17 feet beneath the Site. Groundwater is generally found at depths ranging from 3 to 6 feet beneath the Site, flowing in a westerly direction towards the Hudson River.

## Contaminants of Concern (Including Materials Disposed)

**Contaminant Name/Type**

## Site Environmental Assessment

Remediation at the site is complete. Prior to the remediation the primary contaminants of concern at the site are PCBs, mercury and PAH's in the soil, soil vapor and groundwater. Remedial actions have successfully achieved soil cleanup objectives for commercial use. Residual contamination in the soil, soil vapor, and groundwater are being managed under a Site Management Plan.

## Site Health Assessment

Soil removal actions have been completed to remove contaminated material found in surface soils. A cover system, consisting of building foundation, clean soils, concrete or asphalt, is in place to prevent contact with any remaining underlying contamination. People are not drinking the contaminated groundwater because the area is served by a public water supply that is not affected by this contamination. An active sub-slab depressurization system (systems that ventilate/remove the air beneath the building) is no longer needed in one on-site commercial and one residential building since soil vapor intrusion is longer a potential concern.

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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:** 19, 21, & 23 Academy Street
**Site Code:** C314126
**Program:** Brownfield Cleanup Program
Classification: A
**EPA ID Number:**

## Location

**DEC Region:** 3
**Address:** 19, 21, & 23 Academy Street
**City:**Poughkeepsie Zip: 12601
**County:**Dutchess
**Latitude:** 41.701983333
**Longitude:** -73.925652778
**Site Type:**
**Estimated Size:** 0.216 Acres

## Site Owner(s) and Operator(s)

**Current Owner Name:** PoK 23 Acad, LLC
**Current Owner(s) Address:** 333 Park Avenue South, Suite 4E
New York,NY, 10010
**Current Owner Name:** PoK Academy, LLC
**Current Owner(s) Address:** 93 Fourth Ave #1289
New York,NY, 10276

## Site Document Repository

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

## Site Description

Location: The site is located in an urban area at 19, 21 and 23 Academy Street in the City of Poughkeepsie, Dutchess County. The site is an irregular-shaped, 0.216-acre parcel which has 90 feet of frontage on the eastern side of Academy Street. Site Features: The site currently contains two, multi-story, commercial, residential and mixed-use (commercial and residential) buildings with a small, rear gravel parking lot, located at 21 and 23 Academy Street. 23 Academy Street also has an existing excavation for a future elevator base and utilities. Both buildings are currently vacant but are undergoing extensive renovation activities. The structure formerly on 19 Academy Street was damaged, torn down, and the parcel is currently vacant with a grassy surface. Current Zoning and Land Use: The site properties are zoned C-2, Central Commercial District and consists of two vacant buildings that were previously utilized for commercial and residential uses. Past Uses of the Site: The site was developed sometime prior to 1887 and has a long history of commercial uses, including the operation of a garage and machine shop, dry cleaning and printing facilities, paint storage area, and tire vulcanization. The portion of the site at 21 Academy Street is listed on the was formerly in the Environmental Protection Agency's Resource Conservation and Recovery Act identified by generator number NYD106619604 as a site formerly handling halogenated solvents (likely due to historical dry-cleaning operations). Site Geology and Hydrogeology: Subsurface soils generally consist of sandy fill to a depth of 4 to 5 feet below ground surface (bgs), overlying native variable texture sands and underlying silts. Soil under the basement slabs (to a depth of 2 feet, corresponding to approximately 12 feet below the sidewalks) consisted of sand overlying silt or silty clay. Competent or weathered bedrock was encountered from approximately 32 to 39 feet bgs during installation of monitoring wells (MW-02D, MW-03D, MW-07D and MW-09D). Wet to saturated soil was generally encountered in soil borings in the 9 to 15 feet bgs interval. Depth to groundwater (from top of well casings) during groundwater sampling ranged from approximately 10 to 13 feet bgs, with groundwater elevations ranging from 162.51 (MW-03D) to 165.11 (MW-10) feet above mean sea level (amsl). The direction of groundwater flow, based on static depth to water during sampling in September 2021, has been inferred to be east-southeast.

## Contaminants of Concern (Including Materials Disposed)

**Contaminant Name/Type**

arsenic
benzo(a)anthracene
benzo(a)pyrene
benzo(b)fluoranthene
benzo(k)fluoranthene
chrysene
cis-1,2-dichloroethene
copper
dibenz[a,h]anthracene
indeno(1,2,3-cd)pyrene

lead
mercury
perfluorooctane sulfonic acid
perfluorooctanoic acid
tetrachloroethene (PCE)
trichloroethene (TCE)

## 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 VOCs, SVOCs, metals, and PFAS in soil; VOCs and PFAS in the groundwater; and VOCs in soil vapor. Soil - A total of 14 soil samples were collected during the remedial investigation from overburden beneath the site. Several constituents were identified at concentrations that exceed their Restricted Residential Soil Cleanup Objectives (RRSCOs). The following is a list of those compounds and their maximum exceedances: tetrachloroethene (PCE) 160 parts per million (ppm) (RRSCO of 19 ppm), benzo(a)anthracene 10.2 ppm (RRSCO of 1 ppm), benzo(a)pyrene 18.1 ppm (RRSCO of 1 ppm), benzo(k)fluoranthene 14.8 ppm (RRSCO of 3.9 ppm), benzo(b)fluoranthene 16.6 ppm (RRSCO of 1 ppm), chrysene 12 ppm (RRSCO of 3.9 ppm, dibenzo(a,h)anthracene 4.08 ppm (RRSCO of 0.33 ppm), indeno(1,2,3-cd)pyrene 10.2 ppm (RRSCO of 0.5 ppm), copper 424 ppm (RRSCO of 270 ppm), lead 1,960 ppm (RRSCO of 400 ppm), mercury 7.94 ppm (RRSCO of 0.81 ppm), arsenic 21 ppm (RRSCO of 16 ppm). PCE also exceeded the protection of groundwater (PGW) SCO of 1.3 ppm PCE breakdown products were not found in on-site soils above PGWSCOs. PCBs and Pesticides were found in on-site soils above their unrestricted soil cleanup objectives (USCOs), but below the RRSCOs. Cyanide was detected but below the USCOs in on-site soils and 1,4-dioxane was not detected. Perfluorooctanesulfonic acid (PFOS) was detected in soil samples collected throughout the site at levels typically below 1 part per billion (ppb); however, two samples exceeded the anticipated protection of groundwater PFOS guidance value of 3.7 ppb, at concentrations of 44.9 and 100 ppb. Perfluorooctanoic acid (PFOA) was also detected in samples collected throughout the site with a maximum detection of 2.97 ppb compared to the anticipated PGW guidance value of 1.1 ppb. Data does not indicate any off-site impacts in soil. Groundwater – A total of twelve monitoring wells were installed during the remedial investigation. The following VOCs were identified exceeding their groundwater standards: PCE at 950 ppb (Ambient Water Quality Standards (AWQS) of 5 ppb), trichloroethene (TCE) at 32 ppb (AWQS of 5 ppb), cis-1,2-dichlorothene (cis-1,2-DCE) at 31 ppb (AWQS of 5 ppb), chloroethane at 5.5 ppb (AWQS of 5 ppb), and chloromethane at 15 ppb (AWQS of 5 ppb). The concentrations of sodium, manganese, and magnesium appear to be background levels with no distinction between upgradient and downgradient monitoring wells. These compounds are typically naturally occurring or related to road salt application. For PFAS, perfluorooctanoic acid (PFOA) and perfluorooctanesulfonic acid (PFOS) were reported at

concentrations of up to 120 and 101 parts per trillion (ppt), respectively, exceeding the groundwater standard of 6.7 ppt and 2.7 ppt, respectively. SVOCs, 1,4-dioxane, PCBs, and pesticides were detected in various monitoring wells, but below standards. Groundwater is migrating off-site based on samples collected in off-site monitoring wells containing levels of VOCs in exceedance of their groundwater standards. Soil Vapor - Three soil vapor and four sub-slab soil vapor samples were collected from locations across the site. Elevated levels of chlorinated VOCs (CVOCs) were detected in all samples. The following is a list of compounds and their maximum detections: PCE 42,700 micrograms per cubic meter (ug/m3), TCE 3,330 ug/m3, and cis-1,2-DCE 730 ug/m3. Soil vapor impacts extend off-site as evidenced from soil vapor intrusion sampling associated with the off-site State Superfund project (C314126A).

## Site Health Assessment

People will not come into contact with contaminated soil since the site is covered with buildings and pavement. People are not drinking the contaminated groundwater because the area is served by a public water supply that is not affected by this contamination. Volatile organic compounds in the groundwater and/or soil may move into the soil vapor (air spaces within the soil), which in turn may move into overlying buildings and affect the indoor air quality. This process, which is similar to the movement of radon gas from the subsurface into the indoor air of buildings, is referred to as soil vapor intrusion. The site is vacant so inhalation of site contaminants in indoor air via soil vapor intrusion in not a current concern. However, the potential exists for inhalation of site contaminants due to soil vapor intrusion for any future on-site development. Environmental sampling indicates soil vapor intrusion is a concern for off-site buildings. Additional off-site sampling for soil vapor intrusion is recommended.

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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:** 19, 21, & 23 Academy Street - Off-site
**Site Code:** C314126A
**Program:** Brownfield Cleanup Program
Classification: A
**EPA ID Number:**

## Location

**DEC Region:** 3
**Address:** 19, 21, & 23 Academy Street
**City:**Poughkeepsie Zip: 12601
**County:**Dutchess
**Latitude:** 41.701936521
**Longitude:** -73.92576556
**Site Type:**
**Estimated Size:** 0 Acres

## Site Owner(s) and Operator(s)

## Site Description

The area of concern subject to this work is considered off-site from BCP site C360141 and reflects the investigation and possible remediation of contamination that may have migrated from that site. Below is the current status of on-site information. Location: The site is located in an urban area at 19, 21 and 23 Academy Street in the City of Poughkeepsie, Dutchess County. The site is an irregular-shaped, 0.216-acre parcel which has 90 feet of frontage on the eastern side of Academy Street. Site Features: The site currently contains two, multi-story, commercial, residential and mixed-use (commercial and residential) buildings. Both buildings are currently vacant. The buildings located at 23 Academy Street are undergoing extensive renovation activities. Current Zoning and Land Use: The site properties are zoned C-2, Central Commercial District and consists of three vacant buildings that were previously

utilized for commercial and residential uses. Past Uses of the Site: The site was developed sometime prior to 1887 and has a long history of commercial uses, including the operation of a garage and machine shop, dry cleaning and printing facilities, paint storage area, and tire vulcanization. The portion of the Site at 21 Academy Street is listed on the RCRIS database as a site formerly handling halogenated solvents (likely due to historical dry cleaning operations). Site Geology and Hydrogeology: Soils on the subject properties are likely to be derived from glacial till deposits which overlie the Austin Glen Formation (consisting of greywacke and shale). The Urban Land soil series is likely to be located on the property. Subsurface soils consist of brown, variable texture sand and silty sand with gravel overlaying light brown and gray, wet, dense silty clay. Brick inclusions were observed in the 0 to 5 feet below surface grade (bsg) interval in the northeastern and west-central portions of the Site. Generally, soils deeper than 10 feet bsg appeared to be native, undisturbed material. Groundwater ranged between 10.5 to 13 feet bsg. Shallow groundwater flow in the vicinity of the property is inferred to be to the south. There are no surface water bodies, wet areas, or regulated wetlands on the property.

## Site Environmental Assessment

The area of concern subject to this work is considered off-site from BCP site C360141 and reflects the investigation and possible remediation of contamination that may have migrated from that site. Below is the current status of on-site information and will be modified to show the off-site data once the site characterization is complete. 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 VOCs, SVOCs, metals, and PFAS in soil and VOCs and PFAS in the groundwater, and VOCs in soil vapor. Soil - A total of 14 soil samples were collected during the remedial investigation into overburden beneath the site. Several constituents were identified at concentrations that exceed their Restricted Residential Soil Cleanup Objectives (RRSCOs). The following is a list of those compounds and the exceedance ranges: tetrachloroethene (PCE) 160 parts per million (ppm) vs RRSCO of 19 ppm, benzo(a)anthracene 3.79-10.2 ppm vs RRSCO of 1 ppm, benzo(a)pyrene 3.42-18.1 ppm vs RRSCO of 1 ppm, benzo(k)fluoranthene 4.75-14.8 ppm vs RRSCO of 3.9 ppm, benzo(b)fluoranthene 2.9-16.6 ppm vs RRSCO of 1 ppm, chrysene 4.89-12 ppm vs RRSCO of 3.9 ppm, dibenzo(a,h)anthracene 0.71-4.08 ppm vs RRSCO of 0.33 ppm, indeno(1,2,3-cd)pyrene 2.2-10.2 ppm vs RRSCO of 0.5 ppm, copper 424 ppm vs RRSCO of 270 ppm, lead 587-1,960 ppm vs RRSCO of 400 ppm, mercury 2.79-7.94 ppm vs RRSCO of 0.81 ppm, arsenic 21 ppm vs RRSCO of 16 ppm. Emerging contaminants were detected in soil samples collected from the site. Perfluorooctanesulfonic acid (PFOS) was detected in samples collected throughout the site at lower levels typically below 1 parts per billion (ppb) with two samples showing eleveated

concentrations of 44.9 and 100 ppb at the rear of the former drycleaner in the area of the PCE soil contaminaton. Perfluorooctanoic acid (PFOA) was detected in the same manner as PFOS described above at 2.97 ppb. Other PFAS compounds from the list of 21 analyzed were also elevated in the same two samples as compared to the other 15 samples that were analyzed for PFAS. It is not expected that on-site soils will migrate off-site. Groundwater - Six additional monitoring wells were installed on-site bringing the total to four on-site and eight off-site, but adjacent to the border. Several constituents were identified at concentrations that exceed their groundwater standard. The following is a list of those compounds and exceedance ranges: PCE 18-950 ppb vs groundwater standard (GA) of 5 ppb, trichloroethene (TCE) 5.2-32 ppb vs GA of 5 ppb, cis-1,2-dichlorothene (cis-1,2-DCE) 6.7-31 ppb vs GA of 5 ppb, chloroethane 5.5 ppb vs GA of 5 ppv, and chloromethane 15 ppb vs GA of 5 ppb. For PFAS, perfluorooctanoic acid (PFOA) and perfluorooctanesulfonic acid (PFOS) were reported at concentrations of up to 120 and 101 parts per trillion (ppt), respectively, exceeding the 10 ppt screening levels for groundwater for each. Other PFAS compounds of the 21 analyzed were seen at elevated levels which exceed the screening level for any one PFAS compound other than PFOA and PFOS above 100 ppt including the following: Perfluorobutanoic acid (PFBA) 278 ppt, Perfluoroheptanoic acid (PFHpA) 190 ppt, Perfluorohexanoic acid (PFHxA) 670 ppt, Perfluoropentanoic acid (PFPeA) 680 ppt. On-site groundwater is migrating off-site based on samples from off-site, downgradient monitoring wells showing levels of VOCs in exceedance of their groundwater standards. Soil Vapor - A total of seven soil vapor samples were collected from locations throughout the site. Elevated levels of chlorinated VOCs (CVOCs) were detected in sub-slab samples. The following is a list of compounds and their detected ranges: PCE 75-42,700 micrograms per cubic meter (ug/m3), TCE 29.8-3,330 ug/m3. cis-1,2-DCE 30-730 ug/m3. Elevated levels of these compounds in the sub-slab pose a soil vapor intrusion risk to the on-site structures. Soil vapor impacts extend extend off-site as evidenced from off-site soil vapor intrusion sampling associated with the off-site State Superfund project.

## Site Health Assessment

As information for this site becomes available, it will be reviewed by the NYSDOH to determine if site contamination presents public health exposure concerns.

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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**

arsenic
benzo(a)anthracene
benzo(a)pyrene
benzo(b)fluoranthene
benzo(k)fluoranthene
carbon tetrachloride

chloroform
chrysene
dibenz[a,h]anthracene
indeno(1,2,3-cd)pyrene
lead
mercury
tetrachloroethene (PCE)
trichloroethene (TCE)

## 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

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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**

acetone
benzo(a)anthracene
benzo(a)pyrene
benzo(b)fluoranthene
benzo(k)fluoranthene

chrysene
copper
indeno(1,2,3-cd)pyrene
lead
manganese
mercury
methylene chloride
nickel
perfluorooctane sulfonic acid
perfluorooctanoic acid
sodium
zinc

## 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, typical of historic fill. 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 at depths ranging from 41 to 62 feet bgs according to a 2020 geotechnical report. 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 1,530 ppm vs USCO of 63 ppm, manganese 1,670 ppm vs USCO of 1,600, 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. There was a minimal USCO exceedance for manganese and thus manganese is not a contaminant of concern at this site. Acetone and methylene chloride were detected at a concentration above USCO in one sample. However, acetone and methylene chloride are common laboratory artifacts, and they are not considered contaminants of concern at this site. 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 and thus are not considered contaminants of concern for this site. 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. However, these metals are naturally occurring and/or typically related to road salt application and are therefore not considered contaminants of concern at this site. VOCs, SVOCs, PCBs, pesticides, cyanide, and 1,4-dioxane were non-detect or below standards. While lead was detected in groundwater (unfiltered sample) in the 2013 Phase 2 investigation, it was not detected in filtered or unfiltered groundwater samples during the Remedial Investigation and is therefore not considered a contaminant of concern in groundwater. For per- and polyfluoroalkyl substances (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 in the same well at 1,600 ppt exceeding the 100 ppt screening level. These data indicate that the site is not a source of PFAS to groundwater. PFAS was not detected in other wells on the site, though over time, the PFAS-contaminated groundwater flowing onto the site has the potential of migrating off-site. Soil Vapor - A total of 4 sub-slab soil vapor and 4 co-located indoor air samples and 2 additional soil vapor samples were collected from locations throughout the site. Low levels of the chlorinated solvents 1,1,1-trichloroethane with a maximum detection of 0.475 micrograms per cubic meter (ug/m3), tetrachloroethene with a maximum detection of 0.542 ug/m3, carbon tetrachloride with a maximum detection of 0.61 ug/m3, and vinyl chloride with a maximum detection of 0.877 ug/m3 were detected in on-site soil vapor and/or indoor air. Based on the 2006 Guidance for Evaluating Soil Vapor Intrusion in NYS, with updates, no further action is needed to address potential exposures via soil vapor intrusion in all cases. Off-site migration of soil vapor contamination is not a concern.

## Site Health Assessment

People who dig below the ground surface may come into contact with contaminants in subsurface soil. 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 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. Environmental sampling indicates soil vapor intrusion is not a concern for on-site or off-site locations.

For more Information: E-mail Us

Refine This Search

# STORMWATER POLLUTION PREVENTION PLAN (SWPPP)

*for*

# 149 Cannon Street

Dated: **May 13, 2025**

**PREPARED BY**

TEED ENGINEERING PLLC
CIVIL DESIGN PROFESSIONAL

**Jim Teed, PE**
**NYS License #094633**

*It is a violation of New York State Education Law, Title VII, Article 145, Section 1709 for any person, unless he or she is acting under the direction of a licensed professional engineer or land surveyor, to alter an item in any way. If an item bearing the seal of an engineer or land surveyor is altered, the altering engineer or land surveyor shall affix to the item his or her seal and the notation "altered by" followed by his or her signature and the date of such alteration, and a specific description of the alteration.*

**PREPARED FOR**

**Mr. Kaylas Bhiro (Owner)**

5 COPNY LLC
PO Box 8010
Pelham, NY, 10803

Project #: ***2502003***

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# STORMWATER POLLUTION PREVENTION PLAN (SWPPP)

**Project Name:**
149 Cannon Street

**Project Address:**
53 North Clinton Street
Poughkeepsie, New York, 12601

**Tax Map Identification:**
131300-6162-23-276969-0000

**Reference is made to the following:**

**Plans prepared by this office entitled "Site Development Plan for 149 Cannon Street":**

- Sheet Number CG101 – Erosion & Sediment Control Plan & Details
- Sheet Number CG501 – Erosion & Sediment Control Notes & City of Poughkeepsie Details
- Sheet Number CU101 – Grading, Drainage & Utility Plan
- Sheet Number CU501 – Drainage, Sewer & Water Details

**Forms:**

- SWPPP Preparer Certification
- MS4 SWPPP Acceptance
- Owner/Operator Certification
- Contractor/Subcontractor Certification

**Codes, Rules and Regulations (Latest Versions):**

- SPDES General Permit for Stormwater Discharges from Construction Activity, GP-0-25-001, Construction General Permit (CGP).
- Fact Sheet for the CGP, GP-0-25-001
- City of Poughkeepsie Code, Section 14 ½ - 166 – "Stormwater pollution prevention plans".

**Design Standards & Guides (Latest Versions):**

- New York State Stormwater Management Design Manual (Design Manual), effective July 2024.
- New York State Standards and Specifications for Erosion and Sediment Control (Blue Book), effective November 2016.
- New York State Construction Stormwater Inspection Manual, effective August 2007.
- Stormwater Management Practices Inspection Checklist, effective March 2017.
- NYSDEC 2024 DM GI Worksheets

- USDA/NRCS Technical Release 55 (TR-55) – “Urban Hydrology for Small Watersheds”, effective June 1996.
- US EPA SWPPP Guide – “Developing Your Stormwater Pollution Prevention Plan”, effective May 2007.

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# TABLE OF CONTENTS


**1. EXECUTIVE SUMMARY ..... 1**

1.1. Project Description ..... 1
1.2. Standards and Guidelines ..... 2

**2. SITE ASSESSMENT ..... 2**

2.1. Evaluation of Natural Resources ..... 2
2.2. Evaluation of Cultural and Historical Resources ..... 3
2.3. Evaluation of Sensitive Habitats ..... 3
2.4. Rainfall Data ..... 3
2.5. Evaluation of Pre-Development & Post-Development Conditions ..... 4

**3. STORMWATER MANAGEMENT PLANNING ..... 5**

3.1. Site Planning ..... 5
3.2. Water Quality Volume ($WQ_v$) ..... 6
3.3. Runoff Reduction & Standard Practices ..... 7
3.4. Controlling Peak Runoff ..... 9

**4. POLLUTION PREVENTION DURING CONSTRUCTION ..... 10**

4.1. Temporary Erosion & Sediment Controls ..... 10
4.2. Permanent Erosion and Sediment Controls ..... 12
4.3. Spill Prevention and Response ..... 12
4.4. Work Site Management ..... 12
4.5. Inspection & Maintenance Requirements ..... 13
4.6. Reporting Requirements ..... 15

**5. POST-CONSTRUCTION INSPECTION AND MAINTENANCE ..... 18**

5.1. Inspection & Maintenance Requirements ..... 18
5.2. Reporting and Record Keeping Requirements ..... 19

**6. IMPLEMENTATION ..... 19**

6.1. Construction Sequence ..... 19
6.2. Responsibilities ..... 22


# LIST OF TABLES & FIGURES


TABLE 1: USDA-NRCS SOIL DATA: ..... 2

TABLE 2: PRECIPITATION FREQUENCY DATA - TABULAR ..... 4

FIGURE 1: PRECIPITATION FREQUENCY DATA - GRAPHICAL ..... 4

TABLE 3: PRE-DEVELOPMENT RUNOFF SUMMARY ..... 5

TABLE 4: POST-DEVELOPMENT RUNOFF SUMMARY ..... 5

EQUATION 1: WATER QUALITY VOLUME IN ENHANCE PHOSPHORUS WATERSHED ..... 6
TABLE 5: $WQ_V$ EQUATION ITEMS ..... 6
EQUATION 2: MINIMUM RUNOFF REDUCTION VOLUME IN ENHANCE PHOSPHORUS WATERSHED ..... 7
TABLE 6: $RRV_{MIN}$ EQUATION ITEMS ..... 7
TABLE 7: SUMMARY OF PROPOSED STANDARD SMPS W/ $RR_V$ CAPACITY ..... 8
TABLE 8: RUNOFF REDUCTION RATES DUE TO EXIFILTRATION & STORAGE ..... 9
TABLE 9: TOTAL RUNOFF VOLUME REDUCTION COMPARISON ..... 9

# LIST OF APPENDICES

**Appendix A**
Facts & Figures

**Appendix B**
Standard Specifications

**Appendix C**
Hydrologic and Hydraulic Calculations

**Appendix D**
NYSDEC Required Forms

**Appendix E**
Sample SWPPP Inspection Report

**Appendix F**
NYSDEC SPDES General Permit GP-0-25-001

**Appendix G**
General Permit Fact Sheet

# 1. EXECUTIVE SUMMARY

This document serves as the Stormwater Pollution Prevention Plan (SWPPP) intended for the associated construction project. The purpose of the SWPPP is to identify potential sources of stormwater pollution associated with construction activities and to describe Best Management Practices (BMPs) that will be implemented to prevent or minimize the discharge of pollutants into stormwater runoff. This plan is designed to comply with the requirements of the United States Environmental Protection Agency (EPA) under the National Pollutant Discharge Elimination System (NPDES) program and local governing agency requirements including the New York State Department of Environmental Conservation (NYSDEC) General State Pollutant Discharge Elimination System (SPDES) Permit for Stormwater Discharges from Construction Activity, Permit No. GP-0-25-001 (CGP). The New York State Stormwater Management Design Manual (DM) [*v. 2024*] and other relevant stormwater management requirements of the Municipal Separate Storm Sewer System (MS4) which complement the state requirements have been implemented.

**This SWPPP must be executed, and permit coverage must be obtained prior to the commencement of any construction activity.**

This report along with plans prepared by Teed Engineering, PLLC are both integral to the proper implementation of the SWPPP program for this project.

This report considers development impacts with the goal of maintaining existing drainage patterns, controlling increases in stormwater runoff and mitigating potential stormwater quality impacts during and after construction.

## 1.1. Project Description

This project involves the construction of a multi-family residential building with associated utilities, landscaping and hardscaping on a currently vacant lot. The project site is 9,500 sq. ft. (0.218 ac.) in area and the proposed disturbance to the project site is 9,500 sq. ft. (0.218 ac.). Due to the nature of the project, Table 2 in Appendix B of the CGP applies and this SWPPP includes Post-Construction Stormwater Management Practices (SMPs). In addition, the project site is also within a watershed listed in Appendix C of the CGP and therefore the SWPPP also includes SMPs designed in conformance with the Enhanced Phosphorus Removal Standards (EPRS) included in the DM technical standard.

This project is located within the City of Poughkeepsie which is an automatically designated Urban Area and is classified as a traditional land use control MS4 Operator [Permit No. NYR20A358]. Therefore, acceptance of this SWPPP by the MS4 is required prior to filing a Notice of Intent (NOI) with the NYSDEC for coverage under the CGP.

Construction activities associated with this project will primarily consist of (1) site grading, (2) building construction, (3) the installation of utilities (i.e., water and sanitary sewer), (4) the installation of Erosion & Sediment Control Practices (E&SCPs), (5) the installation of SMPs, and (6) landscaping and hardscaping of the site.

Without adequate controls, possible sources of pollution that could be transported by stormwater during construction will be (1) disturbed and exposed soils, (2) vehicle fuels and lubricants, and (3) building construction materials and chemicals.

### 1.2. Standards and Guidelines

This SWPPP has been prepared using the following tools:

- The New York State Stormwater Management Design Manual (DM) with an effective date of July 31, 2024.
- The New York State Standards and Specifications for Erosion and Sediment Control (SSESC) "Blue Book" with an effective date of November 2016
- The City of Poughkeepsie's Code of Ordinances Part III, Chapter 14 ½, Subchapter 3, Article I, Section 14 ½ - 166 entitled: "Stormwater Pollution Prevention Plans".

It is anticipated that stormwater quality will be improved through the proposed E&SCs and SMPs outlined in this SWPPP during and after construction. Additionally, the proposed SMPs will collect, treat and convey runoff as required.

# 2. SITE ASSESSMENT

## 2.1. Evaluation of Natural Resources

### 2.1.1. Regional Land Uses and Area Topography

The site is centrally located within the City of Poughkeepsie within the RNC "Residential Neighborhood C" zoning district. The surrounding land uses are heavily urbanized by relatively smaller lots with multi-family residences and parking facilities. The proposed project is a permitted use that meets the City of Poughkeepsie's Comprehensive Plan known as PK4Keeps.

The topography of the site is slopes downhill at a grade transition from southwest to northeast between elevation 197 and 189.

### 2.1.2. Soils, Aquifer and Groundwater Characteristics

According to the United Stated Department of Agriculture's (USDAs) National Resource Conservation Service (NRCS) National Cooperative Soil Survey (NCSS) Web Soil Survey, the following surficial soil conditions are expected to be found within the project study area.

***Table 1: USDA-NRCS Soil Data:***

| USDA-NRCS Symbol | Description | Hydrologic Soil Group | Depth to Groundwater | Depth to Rock | Permeability (in./hr.) | Erosion K Factor |
|---|---|---|---|---|---|---|
| Ur | Urban Land – Variable Substratum | D | N/A | N/A | N/A | N/A |

SOURCE: HTTPS://WEBSOILSURVEY.NRCS.USDA.GOV/APP/WEBSOILSURVEY.ASPX

The site is comprised 100% of Hydrologic Soil Group (HSG) D soils.

HSG D soils are defined as: *"Soils having very slow infiltration rates when thoroughly wetted, consisting chiefly of (1) clayey soils with high swelling capacity or potential, (2) soils with a high permanent water table, (3) soils with claypan or clay layer at or near the surface, and (4) shallow soils over nearly impervious materials. These soils have a very slow rate of water transmission."*

The site is not located over a US EPA designated Sole Source Aquifer (SSA) nor is it located above a NYSDEC designated Primary Water Supply Aquifer (PWSA).

An on-site investigation of the soils in the location of the proposed SMPs was performed by this office and it was determined that the site of the proposed SMPs contains soils consisting of sandy loam in the upper layers which transitions to silty loam and then coarse sand and gravel with groundwater intercepted at elevation 176.

### 2.1.3. Receiving Waters and Watershed

The project site is located within the Fallkill Creek watershed which is listed in *"The Final New York State 2018 Section 303(d) List of Impaired Waters Requiring a TMDL"* dated June 2020. The Fallkill Creek has been identified as a waterbody impaired by phosphorus related to construction activity and therefore, in compliance with Appendix C of the CGP, EPRS must be met.

Phosphorus pollution, mainly from runoff carrying soil sediment from disturbed or fertilized high-phosphorus areas, threatens freshwater quality because it's often a limiting nutrient. Dissolved phosphorus is the biggest concern, making its control in runoff a priority for water protection.

### 2.1.4. Flood Plains & Wetlands

According to the Federal Emergency Management Agency (FEMA), specifically Flood Insurance Rate Map (FIRM) No. 36027C0358E, the site is not located within a special flood hazard area subject to inundation by the 1% annual chance flood (100-year flood).

According to available mapping through the NYSDEC and US Fish and Wildlife Service (FWS), there are no known regulated wetlands located on or in the vicinity of the site.

## 2.2. Evaluation of Cultural and Historical Resources

According to the New York State Office of Parks, Recreation, and Historic Preservation (NYSOPRHP) Cultural Resource Information System (CRIS) database, there are no National or State Historic Register sites within the subject parcel. A neighboring parcel at 488 Main Street was surveyed under CRIS project number 19PR04138, and it was found that it did not meet eligibility requirements to be listed. There will be no disturbance to the archaeological resource as a result of the proposed project.

## 2.3. Evaluation of Sensitive Habitats

### 2.3.1. Threatened and Endangered Species

According to the NYSDEC, the project site does not contain threatened or endangered species or critical habitats.

## 2.4. Rainfall Data

Precipitation Frequency Estimates used for the hydrologic analysis of the project site were obtained from the National Oceanic and Atmospheric Administration (NOAA) Hydrometeorological Design Studies Center Precipitation Frequency Data Serve (PFDS). Specifically, the NOAA Atlas 14 Point Precipitation Frequency Estimates were utilized.

The rainfall distributions utilized are synthetic arrangements of a total rainfall amount over time such that it includes maximum rainfall duration intensities for the selected design frequency that is critical for producing peak runoff. They were created using the standard NRCS curve number method to develop appropriate rainfall distributions for analyzing pre and post development stormwater runoff characteristics.

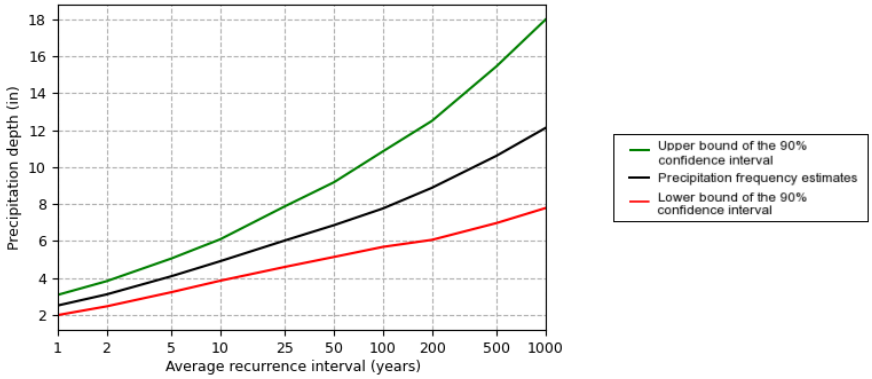
The site-specific statistical rainfall data obtained from NOAA Atlas 14 is as follows:

***Table 2: Precipitation Frequency Data - Tabular***

| Average Recurrence Interval *(years)* | Duration *(hours)* | Precipitation *(Inches)* |
|---|---|---|
| 1 | 24 | 2.50 |
| 10 | 24 | 4.90 |
| 100 | 24 | 7.76 |

SOURCE: HTTPS://HDSC.NWS.NOAA.GOV/PFDS/

***Figure 1: Precipitation Frequency Data - Graphical***




SOURCE: HTTPS://HDSC.NWS.NOAA.GOV/PFDS/

## 2.5. Evaluation of Pre-Development & Post-Development Conditions

### 2.5.1. Analysis Points

The study area for stormwater analysis contains the project site and no other offsite areas. The topography of the project and surrounding area are such that no offsite runoff is expected to enter the project site from offsite areas in the pre or post development condition. As such, the subcatchment watershed used in analysis of both the pre and post development condition is the same area with changes only to amount of impervious surface cover in the proposed condition.

HydroCAD® stormwater modeling software has been utilized to analyze potential runoff rates which can be expected in the pre and post development conditions. HydroCAD® combines the Santa Barbara Urban Hydrology (SBUH), NRCS TR-20 and NRCS TR-55 methodologies to make a comprehensive stormwater model.

### 2.5.2. Pre-Development Conditions

The existing site is located in an urban area and predominantly covered by 50% to 75% grass with some portions of the site covered by gravel parking areas and the ruins of previous buildings and paved parking areas. Based on the surrounding topography, any rainfall that currently lands on the site is contained and infiltrated into the ground.

The pre-development runoff rate at the analysis point is as follows:

***Table 3: Pre-Development Runoff Summary***

| Storm Event | 1-year, 24-hour storm event | | **10-year**, 24-hour storm event | | 100-year, 24-hour storm event | |
|---|---|---|---|---|---|---|
| Units | *(cfs)* | *(cf)* | *(cfs)* | *(cf)* | *(cfs)* | *(cf)* |
| Pre-Development | 0.47 | 1,327 | **1.34** | **3,864** | 2.39 | 7,144 |

SOURCE: HYDROCAD® SOFTWARE

The results of the HydroCAD® model are included in the appendices.

### 2.5.3. Post-Development Conditions

The proposed site will be predominantly covered by impervious areas consisting of the proposed residential structure, driveway and other hardscaping.

The post-development runoff rate at the analysis point is as follows:

***Table 4: Post-Development Runoff Summary***

| Storm Event | 1-year, 24-hour storm event | | **10-year**, 24-hour storm event | | 100-year, 24-hour storm event | |
|---|---|---|---|---|---|---|
| Units | *(cfs)* | *(cf)* | *(cfs)* | *(cf)* | *(cfs)* | *(cf)* |
| Post-Development Contributions of the subcatchment | 0.74 | 2,169 | **1.61** | **5,074** | 2.59 | 8,541 |

SOURCE: HYDROCAD® SOFTWARE

The results of the HydroCAD® model are included in the appendices.

# 3. STORMWATER MANAGEMENT PLANNING

## 3.1. Site Planning

### 3.1.1. Application of Green Infrastructure (GgI) Practices

The project site was evaluated for the use of GI practices as defined in the NYSDEC's Stormwater Management Design Manual (*v. 2024*) and it was determined that the following practices could be implemented:

- Sidewalk Reduction

  *Minimize sidewalk lengths and widths, below local requirements, to reduce site impervious area.*

On-site sidewalks were reduced in width as much as practicable to reduce site impervious areas while maintaining pedestrian pathways.

- Driveway Reduction

  *Minimize driveway lengths and widths, below local requirements, to reduce site impervious area.*

The entrance driveway width was reduced as much as practicable to reduce site impervious area while maintaining vehicular access and movement.

- Parking Reduction

  *Reduce imperviousness on parking lots by eliminating unneeded spaces, providing compact car spaces and efficient parking lanes, reducing stall dimensions below local requirements, using porous pavement surfaces in overflow parking areas, and using multi-storied parking decks where appropriate.*

Unneeded parking spaces have been eliminated and porous pavement surfaces in common areas have been implemented in the design. Furthermore, the size of parking stalls has also been reduced below local standards.

## 3.2. Water Quality Volume ($WQ_v$)

The $WQ_v$ is intended to improve water quality by capturing and treating runoff from small, frequent design storms that tend to contain higher pollutant levels.

For watersheds requiring enhanced phosphorus removal, the $WQ_v$ shall be sized to capture and treat the 1-yr, 24-hr design storm.

The following equation was used to determine the water quality storage volume $WQ_v$ (in acre-feet of storage):

***Equation 1: Water Quality Volume in Enhance Phosphorus Watershed***

$$\boldsymbol{WQ_v = \frac{P_{1yr} R_v A}{12}}$$

Where:

***Table 5: $WQ_v$ Equation Items***

| | |
|---|---|
| $WQ_v$ | Water Quality Volume (acre-feet) |
| $P_{1yr}$ | 1-hr, 24-hr Rainfall Event Precipitation (inches) |
| $R_v$ | Runoff Volume = $0.05 + 0.009(I)$ |
| $I$ | Impervious Cover of Site (percent) |
| $A$ | Contributing Area (acres) |

For the site, WQv is calculated as follows:

$$WQ_v = \frac{(2.5)(0.05 + 0.009(68))(0.320)}{12} = 0.044af \ or \ 1{,}922 \ cu.ft.$$

### 3.2.1. Methodology

The total WQv is 1,922 cu.ft. and the SMPs that are proposed to be implemented on site can meet the performance criteria presented in Chapter 4, 5, 6, 8 & 10 of the DM.

## 3.3. Runoff Reduction & Standard Practices

### 3.3.1. Minimum Runoff Reduction Volume ($RR_v$) Requirements

To replicate pre-development hydrology, all post-development water quality volume must be managed to reduce runoff through infiltration, groundwater recharge, reuse, recycling, or evaporation / evapotranspiration. This involves maintaining pre-construction infiltration, peak flow, and discharge volume, and minimizing concentrated flow using distributed source control practices. On-site runoff reduction techniques and/or standard SMPs with runoff reduction capacity are required.

Underground infiltration is proposed for the project and will meet $WQ_v$, EPRS, and $RR_v$ requirements.

The following equation was used to determine the water quality storage volume $WQ_v$ (in acre-feet of storage):

***Equation 2: Minimum Runoff Reduction Volume in Enhance Phosphorus Watershed***

$$\boldsymbol{RRv_{min} = \frac{P_{1yr} R_v A_{ic} S}{12}}$$

Where:

***Table 6: $RRv_{min}$ Equation Items***

| | |
|---|---|
| $RRv_{min}$ | Minimum Runoff Reduction Quality Volume (acre-feet) |
| $P_{1yr}$ | 1-hr, 24-hr Rainfall Event Precipitation (inches) |
| $R_v$ | Runoff Volume = $0.05 + 0.009(I)$ |
| $I$ | Impervious Cover (percent) – 100% impervious |
| $A$ | Total Area of New Impervious Cover (acres) |
| $S$ | HSG Specific Reduction Factor (0.20 for Group D) |

For the site, $WQ_v$ is calculated as follows:

$$RRv_{min} = \frac{(2.5)(0.05 + 0.009(100))(0.152)(0.20)}{12} = 0.006af \ or \ 261 \ cu.ft.$$

### Application of Runoff Reduction (RR) Practices

The following RRv practices have been evaluated and shall be implemented for this project:

- ❖ Tree Planting

  *Plant or conserve trees to reduce stormwater runoff, increase nutrient uptake, and provide bank stabilization. Trees can be used for applications such as landscaping, stormwater management practice areas, conservation areas and erosion and sediment control.*

Several trees are being planted along the perimeter of the parking area. As such, the trees can provide 100% area reduction per the performance criteria presented in Chapter 5 of the DM.

The proposed area of the tree canopy on site is 570 sq. ft. but the mature tree canopy is less than 16 ft. diameter, therefore an area reduction that is half the tree canopy can be applied which is 285 sq. ft.

- Porous Pavement

  *Pervious types of pavements that provide an alternative to conventional paved surfaces, designed to infiltrate rainfall through the surface, thereby reducing stormwater runoff from a site and providing some pollutant uptake in the underlying soils.*

Porous pavers are being proposed for portions of the site that serve as pedestrian walkways. The pavers have been designed to meet the performance criteria presented in Chapter 5 of the DM.

The proposed area of the pervious pavers on site is 569 sq.ft. which will provide 100% volume reduction over that area.

### 3.3.2. Application of Standard Management Practices (SMPs) with $RR_v$ Capacity

It is proposed to provide underground infiltration as the primary SMP for reducing runoff.

- Underground Infiltration

  *An infiltration practice below grade that stores the water quality volume in premanufactured pipes, vaults or other modular structures, before it is infiltrated into the ground*

Underground infiltration provides 100% runoff reduction volume, and it has been designed in accordance with chapter 6 of the DM. Underground Infiltration is also well suited for phosphorus removal with an expected removal rate greater than 40%.

The proposed underground infiltration system shall be comprised of CULTEC® Recharger 150XLHD units which can sustain traffic loading and have a lower profile for use in installations with depth restrictions. The chambers are proposed to be installed according to the manufacturer's recommendation.

In order to provide pre-treatment and protection of the chamber system from fine particles and silts, it is proposed to precede the underground infiltration system with catch basins fitted with two-foot-deep sumps and outlet traps, as well as provide a system layout with the CULTEC® Separator™ Row configuration.

A summary of the $WQ_v$ and $RR_v$ which can be applied via the proposed SMPs is as follows:

***Table 7: Summary of Proposed Standard SMPs w/ $RR_v$ Capacity***

| Basin | Practice | Practice Variant | $WQ_v$ Required | $RR_v$ Required | $WQ_v$ Provided |
|---|---|---|---|---|---|
| Entire Site | Underground Infiltration | I-4 | 1,922 cu. ft. | 261 cu. ft. | 1,965 cu. ft. |

SOURCE: NYSDEC GI WORKSHEETS

As can be seen in the table above, the storage provided by the infiltration system exceeds the required $WQ_v$ and the required $RR_v$

## 3.4. Controlling Peak Runoff

### 3.4.1. Application of Control Practices

Peak runoff rates for the 1-year, 10-year and 100-year, 24-hour storm events have been compared for the existing and proposed conditions. Peak runoff rates have been reduced or matched for all events through the use of the infiltration system. Since the infiltration system is sized to handle the entire water quality volume associated with only

The results of the HydroCAD® model for the pre-developed and post-developed site conditions are represented in the following table:

***Table 8: Runoff Reduction Rates due to Exifiltration & Storage***

| Storm Event | Pre-Development Peak Runoff Rate *(cfs)* | Post-Development Peak Runoff Rate *(cfs)* | Discarded Runoff due to Exfiltration *(cfs)* | Discarded Runoff due to Underground Storage *(cfs)* | Attenuation *(%)* |
|---|---|---|---|---|---|
| 1-Year | 0.47 | 0.74 | 0.27 | >0.47 | 100 |
| 10-Year | 1.34 | 1.63 | 0.34 | >1.29 | 100 |
| 100-Year | 2.39 | 2.68 | 0.47 | >2.21 | 100 |

SOURCE: HYDROCAD® SOFTWARE.

The Channel Protection Volume ($CP_v$) is designed to protect stream channels from erosion. This goal is accomplished by providing 24-hour extended detention of the 1-year, 24-hour design storm, that remains after runoff reduction.

Overbank Flood Control ($Q_p$) is designed to prevent an increase in the frequency and magnitude of out-of-bank flooding generated by urban development. Since the 10-year storm event has been detained and 10-year runoff rates have been reduced, $Q_p$ has been addressed.

Extreme Flood Control Criteria ($Q_f$) is designed to prevent the increased risk of flood damage from large design storms, maintain the boundaries of the pre-development 100-year floodplain, and protect the physical integrity of the stormwater management practices. Since the 100-year storm event has been detained and 100 year runoff rates have been reduced, $Q_f$ has been addressed.

***Table 9: Total Runoff Volume Reduction Comparison***

| Storm Event | 1-year, 24-hour storm event | 10-year, 24-hour storm event | 100-year, 24-hour storm event |
|---|---|---|---|
| Units | *(cf)* | *(cf)* | *(cf)* |
| Pre-Development | 1,327 | **3,864** | 7,144 |
| Post-Development Generated Inflow | 2,169 | **5,074** | 8,541 |
| Difference in Generated Flow | +842 | **+1,210** | +1,397 |
| Post-Development Designed Storage Volume | 1,965 | **1,965** | 1,965 |
| Reduction | 233% | **162%** | 141% |

# 4. POLLUTION PREVENTION DURING CONSTRUCTION

The temporary and permanent control measures incorporated into this SWPPP shall be implemented during construction to minimize sediment transport and erosion control.

## 4.1. Temporary Erosion & Sediment Controls

### 4.1.1. Site Planning, Preparation and Management Practices:

- Concrete Truck Washout

  *Designated, lined pits (temporary excavated or above-ground structures) will be established for washing concrete trucks and equipment after unloading. This will prevent alkaline runoff from contaminating storm drains or soil. All washout facilities will be inspected daily; any damaged or leaking ones will be immediately deactivated and either repaired or replaced. Accumulated rainwater over hardened concrete will be pumped to a stabilized area like a grass filter strip. Hardened concrete buildup will be removed when the facility reaches 75% capacity. Excess wash water will be pumped into a containment vessel for proper off-site disposal in a construction/demolition landfill. On-site disposal of hardened material may be allowed if approved in the SWPPP, involving recycling or burial with at least 2 feet of clean, compacted, and permanently stabilized earth fill to prevent erosion. The plastic liner will be replaced each time the washout facility is cleaned. The site will be regularly inspected to ensure no concrete washing takes place outside designated areas.*

- Dust Control

  *Measures will be implemented to control dust generated by land disturbance activities. This will prevent windborne dust from causing off-site damage, health issues, and traffic hazards. Dust control will be maintained throughout dry periods until all disturbed areas are stabilized.*

- Protecting Vegetation During Construction

  *Existing trees, shrubs, ground cover, and other vegetation will be protected from damage by construction equipment. Vegetation identified as important for erosion control, water quality, shade, screening, buffers, wildlife habitat, wetland protection, and other ecological benefits will be preserved..*

- Site Pollution Prevention

  *Management practices will be implemented to control non-sediment pollutants associated with construction. This will include preventing the generation of pollutants from improper handling, storage, and spills, and stopping toxic substances from leaving the site and entering surface waters.*

- Stabilized Construction Access

  *A stabilized pad of aggregate underlain with geotextile will be constructed at all points where construction traffic will enter or leave the site onto public rights-of-way, streets, alleys, sidewalks, or parking areas. This will aim to minimize or eliminate the tracking of sediment onto public roadways. The access will be maintained in a condition that will prevent sediment tracking, which may require periodic addition of aggregate. Any spilled, dropped, or washed sediment from public areas must be removed immediately. Vehicle wheels will be cleaned, if necessary, to remove sediment before entering public roads. Any required washing will occur on an aggregate-stabilized area that will drain to an*

*approved sediment trapping device. All sediment will be prevented from entering storm drains, ditches, or watercourses.*

### 4.1.2. Soil Stabilization Measures:

- Seeding for Construction Areas

  *Areas where demolition, construction, clearing, and grubbing are complete will be seeded to control erosion and trap sediment in stormwater runoff. Temporary or permanent stabilization (seeding/landscaping) will be in place within seven days after soil disturbance ends. On steep slopes, stabilization must be completed within two days. Anchored stabilization matting (erosion control blankets) will be installed immediately on all slopes of 1:3 (vertical:horizontal) or steeper after disturbance.*

- Soil Stockpiling

  *Topsoil from construction areas will be stripped and stockpiled for on-site reuse. Stockpiles will be located in dry, stable areas away from swales and drainage channels, and will be surrounded by silt fences and straw bales as needed. A maximum stockpile slope of 1:2 (vertical:horizontal) will be maintained. Stockpiles will be mulched or covered to prevent wind and water erosion. Stockpiles will be keyed into a stable subbase to prevent slides. Stockpiles will be protected by surrounding silt fence and will be stabilized when inactive. As per NYSDEC requirements, all stockpiles and exposed soil will be stabilized with seed, mulch, or other suitable methods within seven days after construction activities cease in that area.*

- Mulching

  *Coarse plant residue, chips, or other appropriate materials will be applied to cover the soil surface. This will provide initial erosion control while vegetation (seeding or shrubs) establishes. Mulch will conserve moisture, will moderate soil temperature, will reduce temperature fluctuations, will prevent soil crusting, and will help control weeds. Mulch can also be used alone for temporary stabilization during non-growing seasons. Stone mulch can provide more permanent stabilization and will not be limited to non-growing months.*

### 4.1.3. Sediment Control Measures

- Silt Fence

  *A temporary geotextile fabric barrier will be installed along the contours of a slope. This will intercept sediment-laden runoff from small disturbed areas by temporarily ponding the water, allowing sediment to settle out. The maximum lifespan of the fabric will be limited by its UV stability (approximately one year).*

- Stormwater Drain Inlet Protection – Inserts

  *A temporary, low-permeability barrier (fence, berm, or excavation) will be installed around storm drain inlets. This will detain water, allowing sediment to settle out and preventing heavily sediment-laden water from entering the storm drain system. All inserts will be installed and anchored according to the manufacturer's recommendations and design specifications. The fabric component will meet or exceed the performance standards for silt fence fabric. Inserts will be installed to maintain at least 50% of the inlet's original, unobstructed flow capacity to handle storm events.*

## 4.2. Permanent Erosion and Sediment Controls

### 4.2.1. Soil Stabilization Measures:

- Permanent Construction Area Planting

  *Permanent grasses, along with other forbs and/or shrubs, will be established to achieve at least 80% perennial vegetative cover on disturbed construction areas and critical areas. This will reduce erosion and sediment transport. Critical areas may include steep cut or fill slopes, eroding natural slopes, and areas prone to erosion.*

- Hardscaping

  *Establishing permanent hardscape covers will reduce erosion and sediment transport.*

## 4.3. Spill Prevention and Response

The following BMPs will be implemented to prevent spills and leaks of potential pollutants:

- Proper storage procedures for all chemicals and materials, including storing them in covered areas or with secondary containment such as drip pans or spill containment berms.
- Implementation of safe fueling and maintenance procedures for vehicles and equipment to minimize the risk of spills.

In the event of a spill, the following procedures will be followed:

- Immediate notification of the appropriate authorities with contact information readily available on-site.
- Implementation of measures to contain the spill and prevent it from entering waterways or storm drains.
- Thorough cleanup of the spilled material using appropriate methods and materials.
- Proper disposal of spilled materials and cleanup debris in accordance with applicable regulations.

## 4.4. Work Site Management

### 4.4.1. Construction Site Cleanliness

A clean and organized construction site must be a priority to minimize the potential for pollutants to enter stormwater runoff. All waste materials shall be collected and disposed of in accordance with all applicable federal, state, and local regulations. This includes, but is not limited to, solid waste, construction debris, and sanitary waste. Regular site cleanup shall be conducted to prevent the accumulation of debris, trash, and other potential pollutants. Dumpsters and waste containers shall be provided in sufficient quantity and shall be covered or otherwise managed to prevent the discharge of pollutants. Spill cleanup kits shall be readily available, and personnel shall be trained in proper spill cleanup procedures. Sediment tracked onto paved surfaces shall be removed by sweeping or vacuuming as needed, but at least daily. Washing paved surfaces is prohibited unless the wash water is contained and properly disposed of. Construction materials shall be stored in a neat and organized manner to minimize exposure to stormwater. Hazardous materials shall be stored in appropriate containers with secondary containment, and these shall be located away from drainage areas. The site shall be maintained free of litter and debris.

### 4.4.2. Job Site Maintenance

To ensure that all erosion and sediment controls and other pollution prevention measures are maintained in effective operating condition, the job site must be well maintained. Regular inspections of all erosion and sediment control measures shall be conducted in accordance with the inspection schedule outlined in this SWPPP. Maintenance and repairs of erosion and sediment control measures shall be initiated immediately upon discovery of any deficiencies. A log of all maintenance and repair activities shall be maintained and shall include the date, description of the problem, and corrective actions taken. Stockpiles of materials necessary for the repair of erosion and sediment control measures shall be maintained on-site or readily available. Equipment used on-site shall be maintained in good working condition to prevent leaks of fuels, lubricants, and other pollutants. All on-site vehicles will be inspected regularly for leaks and serviced as needed. Any necessary adjustments, repairs, or replacement of BMPs will be documented.

### 4.4.3. Work Area Management

To organize and control construction activities in a manner that minimizes the exposure of pollutants to stormwater and protects sensitive areas the work area must be properly managed. Designated areas shall be established for specific activities, such as equipment staging, material storage, and vehicle fueling. Access to sensitive areas, such as wetlands and streams, shall be restricted and clearly marked. Construction activities shall be scheduled to minimize the amount of disturbed area exposed to stormwater at any one time. Erosion and sediment controls shall be installed prior to the commencement of any soil-disturbing activities. Disturbed areas shall be stabilized as soon as possible after final grading. The movement of vehicles and equipment on-site shall be controlled to minimize soil disturbance and the tracking of sediment off-site. All work areas will be clearly delineated. Non-stormwater discharges will be managed to prevent pollution.

## 4.5. Inspection & Maintenance Requirements

The goal of inspection and maintenance under a Stormwater Pollution Prevention Plan (SWPPP) in New York State is to ensure that erosion and sediment controls are properly installed, maintained, and effective in preventing pollutants from leaving the construction site and impacting receiving waters. This involves regular assessments and timely corrective actions.

SWPPP inspection and maintenance is a dynamic process that requires ongoing attention from pre-construction through to final stabilization or partial completion. Qualified professionals play a key role in ensuring compliance and effectiveness of the control measures, with contractors bearing the responsibility for daily maintenance and implementing necessary corrective actions. Proper documentation and communication with regulatory agencies are also critical aspects of the process.

### 4.5.1. Pre-Construction Inspection and Certification

Before any soil disturbance begins, a Qualified Inspector or Qualified Professional (as defined in Appendix A of the General Permit GP-0-25-001) must conduct an initial site assessment to verify that all the planned erosion and sediment control measures have been correctly installed and implemented according to the SWPPP.

The contractor is responsible for contacting the Qualified Inspector/Qualified Professional once these initial control measures are in place and ready for inspection. Following the inspection, the Qualified Inspector/Qualified Professional must certify that the installed measures are adequate. This certification

involves a written report or documentation confirming compliance with the SWPPP. This pre-construction step is crucial as it sets the foundation for effective stormwater management throughout the project. It ensures that controls are in place before any potential for erosion and sediment runoff occurs.

### 4.5.2. Construction Phase Inspections and Maintenance

Once construction activities commence, regular site inspections must be performed by a Qualified Inspector/Qualified Professional at least once every seven (7) calendar days until final site stabilization is achieved.

These inspections aim to evaluate the performance of the implemented pollutant controls and determine if any modifications, additions, or relocations of control measures are necessary to prevent off-site pollutant discharge. Inspections must assess the overall effectiveness of the pollutant control system as well as the specific condition of individual components. Examples of items to evaluate include (but are not limited to):

- Construction Access Points: Checking for evidence of off-site sediment tracking and ensuring the stabilized construction access is maintained or supplemented. For instance, if mud is being tracked onto public roads, the stabilized access needs immediate attention, such as adding more stone or cleaning the road.
- Sediment Barriers (e.g., silt fences, sediment logs): Inspecting for damage, proper installation, and accumulated sediment. Sediment should be removed once it reaches a certain height (typically half the height of the barrier) and stockpiled on the upslope side. Barriers may need to be enlarged or additional barriers constructed based on site conditions and runoff patterns.
- Disturbed Areas and Material Storage: Evaluating areas with exposed soil and stored materials for potential pollutant runoff. If necessary, materials must be covered (e.g., with tarps), original covers repaired, or protective berms constructed around storage areas to contain runoff.
- Grassed Areas: Assessing the health and density of vegetation in temporary or permanent seeding areas. Final stabilization is achieved when all areas are covered by building foundations, pavement, or a healthy stand of grass with at least 80 percent density, which must be maintained. Areas needing improvement should be watered, fertilized, and reseeded.
- Discharge Points: Examining all points where stormwater leaves the site to ensure erosion control measures are effectively preventing significant impacts to receiving waters. This might involve checking for excessive sediment plumes or erosion at the outlet.

Inspection reports must be complete, including any additional remarks needed to fully describe site conditions. The report must explicitly state whether the site was in compliance with the SWPPP at the time of inspection and detail any instances of non-compliance.

Within one (1) business day of the inspection, the Qualified Inspector/Qualified Professional must notify the owner/operator and the relevant contractor/subcontractor of any required corrective actions. The contractor/subcontractor must begin implementing these corrective actions within one (1) business day of notification and complete them within a reasonable timeframe. For example, if a silt fence is damaged, it should be repaired or replaced immediately.

In addition to the formal inspections, the general contractor is responsible for performing routine visual checks of all erosion and sediment control measures according to the inspection and maintenance schedule outlined in the SWPPP plans. The general contractor is ultimately responsible for ensuring the adequacy of site pollutant discharge controls. They must be prepared to install additional structural controls beyond what is shown in the plans if field conditions or contractor practices necessitate them. This adaptive management approach is a continuous aspect of the SWPPP until final stabilization.

Sediment removed from erosion and sediment control measures must be either exported from the site, stockpiled for later use, or used immediately as general non-structural fill. It should never be left in a location where it can be washed back into the stormwater system.

### 4.5.3. Temporary Suspension of Construction Activities

For sites where soil disturbance activities are temporarily suspended (e.g., during winter shutdowns) and temporary stabilization measures have been applied to all disturbed areas (e.g., mulching, temporary seeding), the frequency of inspections by the Qualified Inspector/Qualified Professional can be reduced to once every 30 calendar days. Prior to reducing the inspection frequency, the owner/operator must provide written notification to the City of Poughkeepsie and regional NYSDEC office. This notification ensures that the regulatory agencies are aware of the temporary suspension and the change in inspection schedule.

When construction activities resume, the regular inspection frequency of at least once every seven (7) calendar days must also resume. It's important to re-assess the site and the condition of the temporary stabilization measures before restarting work.

### 4.5.4. Partial Project Completion

In situations where soil disturbance activities have permanently ceased for a portion of the project, and the following conditions are met, inspections by the Qualified Inspector/Qualified Professional for that completed portion can stop:

- All areas disturbed as of the project shutdown date for that portion have achieved final stabilization (e.g., permanent vegetation established, paving completed).
- All post-construction stormwater management practices required for the completed portion have been constructed in accordance with the SWPPP and are fully operational (e.g., underground infiltration systems, plantings, etc.).

Before ceasing inspections for a partially completed project, the owner/operator must provide written notification to the City of Poughkeepsie and regional NYSDEC office. This informs the agencies that a portion of the project is complete and stabilized.

If soil disturbance activities have not resumed within two years from the date of shutdown for the partial completion, a Notice of Termination (NOT) must be completed and submitted to the NYSDEC for that specific portion of the project. This signifies that the stormwater permitting requirements for that stabilized portion are no longer applicable.

## 4.6. Reporting Requirements

Stormwater General Permits in New York State place a significant emphasis on accurate record-keeping and timely reporting to ensure compliance and the effective management of stormwater discharges from construction sites. Two key components of these reporting requirements are inspection reports and site log books.

The Owner/Operator and Contractor/Subcontractor shall ensure they understand the definitions of key terms used in the CGP, such as these will dictate when certain reporting requirements are triggered.

It is important to maintain consistency in reporting and record-keeping practices. Using clear and concise language and ensuring all required information is included is a must.

The reporting requirements are not just about documenting problems; they are also a tool for proactive stormwater management. Regular inspections and thorough record-keeping can help identify potential issues early and allow for timely corrective actions, preventing more significant problems down the line.

### 4.6.1. Inspection Reports:

These reports are the formal documentation of the site inspections conducted by the Qualified Inspector/Qualified Professional. They serve as a record of the site's condition, the performance of erosion and sediment controls, any instances of non-compliance, and the corrective actions taken or needed and include the following:

- Permit Identification Number
- Date and Time of Inspection: Clearly indicating when the inspection was performed.
- Name and Title of the Qualified Inspector/Qualified Professional: Identifying the person who conducted the inspection.
- Weather Conditions: Recording the weather at the time of inspection and any precipitation events since the last inspection, as these can significantly impact site conditions and control measure effectiveness.
- Specific Areas Inspected: Detailing the areas of the site that were assessed, including disturbed areas, material storage areas, discharge locations, and locations where vehicles enter and exit.
- Evaluation of Erosion and Sediment Control Measures: A thorough assessment of the condition and effectiveness of each control measure implemented on site (e.g., silt fences, sediment traps, stabilized construction entrances, temporary seeding). This should include noting any damage, deterioration, or need for maintenance, repair, or replacement.
- Description and Sketch Map: Detailing areas of disturbance, inactive areas and stabilized areas.
- Estimation of Areas: Detailing active and inactive soil disturbance, temporary stabilization and final stabilization..
- Digital Photograph Documentation: Detailing those items that require corrective action.
- Observations of Potential Pollutant Sources: Identifying any potential sources of pollutants that could enter stormwater runoff, such as spills, leaks, or improper storage of materials.
- Evidence of Off-Site Discharge of Sediment or Other Pollutants: Documenting any instances where sediment or other pollutants have left the construction site.
- Compliance Status: A clear statement indicating whether the site was in compliance with the SWPPP at the time of inspection.
- Specific Instances of Non-Compliance: If the site was not in compliance, each instance of non-compliance must be clearly and specifically identified, describing the issue, its location, and the date it was observed.
- Corrective Actions Required: Detailing any actions needed to repair, modify, maintain, supplement, or install new erosion and sediment control measures to achieve effective pollutant control and ensure compliance with the SWPPP. This should include specific instructions and a recommended timeline for implementation.
- Status of Previous Corrective Actions: If the current inspection identifies that previously required corrective actions have not been implemented or are ineffective, this should be noted.
- Signature of the Qualified Inspector/Qualified Professional: Authenticating the report.

Timing of Report Completion and Notification:

- Inspection reports will need to be completed within one (1) business day of the inspection with paper copies of the inspection report and documentation of corrective actions being made part of the on-site log book within seven (7) business days.
- Within the same timeframe (one business day), the Qualified Inspector/Qualified Professional will be required to notify the owner/operator and the appropriate contractor or subcontractor of any corrective actions that need to be taken.
- Record Keeping: Completed inspection reports must be retained by the owner/operator for a specified period (at least five (5) years from the date the Notice of Termination is submitted or permit coverage expires). These records must be made available to the NYSDEC or local authorities upon request.

### 4.6.2. Site Log Book:

The site log book serves as a comprehensive record of various site activities and conditions related to stormwater management. It's a more continuous record than the formal inspection reports and often contains information beyond just the inspections. Under the CGP, the site log book will need to include:

- Record of Inspections: Copies of all completed inspection reports should be kept in the site log book. This ensures a centralized record of the formal site assessments.
- Record of Corrective Actions: Documentation of all corrective actions taken in response to inspection findings. This should include:
  - A description of the action taken.
  - The date the action was initiated and completed.
  - The name and contact information of the person or entity that implemented the corrective action.
- Record of Maintenance Activities: Details of all maintenance performed on erosion and sediment control measures, including:
  - Date of maintenance.
  - Description of the maintenance performed (e.g., sediment removal, repair of a silt fence).
  - Location of the maintained measure.
  - Name of the person or entity that performed the maintenance.
- Record of Significant Storm Events: Documentation of any significant storm events (as defined in the permit, likely a certain amount of rainfall within a 24-hour period) that occur on or near the site, including the date and approximate amount of rainfall. This helps to correlate potential issues with weather events.
- Record of Spills and Releases: If any spills or releases of pollutants occur on site, they must be documented in the site log book, including:
  - Date and time of the spill/release.
  - Type and amount of pollutant spilled/released.
  - Location of the spill/release.
  - Description of the incident and the circumstances leading to it.
  - Actions taken to contain and clean up the spill/release.
  - Notifications made to regulatory agencies (if required).
- Record of SWPPP Modifications: Any modifications made to the SWPPP must be documented in the site log book, along with the date of the modification and the reason for it.
- Record of Temporary Suspensions and Partial Completions: Documentation related to temporary suspensions of construction activities (including the date of suspension, temporary stabilization measures applied, and notification to the NYSDEC and relevant local authorities) and partial project

completions (including the date of shutdown, confirmation of final stabilization and operational SMPs for the completed portion, and notifications).

- Training Records: Records of any stormwater-related training provided to site personnel should be maintained in the site log book.
- Contractor Certifications: Records of any certifications or qualifications of contractors or subcontractors involved in implementing erosion and sediment controls.
- Availability: The site log book must be kept on-site and made readily available for review by the NYSDEC or local authorities at any time.

# 5. POST-CONSTRUCTION INSPECTION AND MAINTENANCE

Once the construction phase is complete and the site has achieved final stabilization, the focus shifts to the long-term operation and maintenance of the post-construction stormwater management practices (SMPs) that were implemented as part of the SWPPP. These practices are designed to manage stormwater runoff quality and quantity permanently.

While the intense inspection frequency of the construction phase reduces significantly or ceases upon final stabilization for the entire project (as opposed to partial completion), ongoing maintenance and occasional inspections are still crucial to ensure the long-term effectiveness of these SMPs.

## 5.1. Inspection & Maintenance Requirements

The goal of post-construction inspection and maintenance is to ensure the long-term effectiveness of the SMPs in controlling stormwater runoff volume and quality. Neglecting maintenance can lead to the failure of these practices, potentially causing flooding, erosion, and water quality degradation. The following goals shall be achieved:

- Responsibility: The responsibility for the long-term inspection and maintenance of post-construction SMPs typically lies with the property owner or the entity responsible for the ongoing operation of the site. This should be clearly defined in the SWPPP and any associated legal agreements.
- Maintenance Plan: The SWPPP should include a detailed Post-Construction Stormwater Management Plan that outlines the specific maintenance requirements for each SMP implemented on the site. This plan should include:
- Identification of all post-construction SMPs: Examples include detention/retention ponds, infiltration basins, filter strips, permeable pavement, green roofs, etc.
- Specific maintenance activities required for each SMP: For instance:
    - Underground Infiltration Systems: Maintaining infiltration rates by preventing clogging (e.g., through pre-treatment), vegetation management, sediment removal.
    - Permeable Paver: Vacuum sweeping to prevent clogging of pores, structural repairs.

The frequency of maintenance activities will vary depending on the type of SMP and site conditions. Some tasks may be annual, semi-annual, or based on visual inspection triggers (e.g., when sediment reaches a certain level). It is important to clearly identifying who is responsible for performing each maintenance task. Ensuring access to all SMPs for inspection and maintenance is very important.

While routine daily or weekly inspections cease after final stabilization, periodic inspections are still necessary to ensure the SMPs are functioning as designed. These inspections may be annual, event based or regulatory in nature.

### 5.2. Reporting and Record Keeping Requirements

Records of all post-construction inspections and maintenance activities should be maintained. This documentation typically includes:

- Date of inspection/maintenance.
- Name and contact information of the person performing the inspection/maintenance.
- Findings of the inspection, including any deficiencies or areas needing attention.
- Description of maintenance performed, including dates and methods.
- Any corrective actions taken to address deficiencies.

If the property ownership changes, the responsibility for post-construction SMP maintenance must be clearly transferred to the new owner, often through legal documentation associated with the property transfer.

A Notice of Termination for the entire project cannot be submitted until all disturbed areas have achieved final stabilization and all permanent post-construction stormwater management practices have been constructed and are operational in accordance with the SWPPP.

# 6. IMPLEMENTATION

Successful implementation of a Stormwater Pollution Prevention Plan (SWPPP) requires clear understanding and execution of responsibilities by various parties involved in the construction project.

The Construction Sequence is a critical element of the SWPPP and outlines the planned order of construction activities, particularly those involving soil disturbance. Its proper implementation is a shared responsibility, but the Contractor typically takes the lead in adhering to it on a day-to-day basis.

### 6.1. Construction Sequence

The initial construction sequence included below was created to strategically phase construction activities to minimize the duration of exposed soils and facilitate the timely installation of erosion and sediment control measures. Factors like site topography, drainage patterns, and the timing of permanent stormwater management practice installation have been considered.

#### 6.1.1. Pre-Construction

This phase occurs before any soil disturbance begins.

TASK 1. Develop and Finalize the Stormwater Pollution Prevention Plan (SWPPP):

a. The Engineer prepares a comprehensive SWPPP in accordance with the requirements of GP-0-25-001, including site assessment, erosion and sediment control plans, construction sequence, post-construction stormwater management practices, inspection and maintenance procedures, and spill prevention measures.
b. The Owner/Operator reviews and approves the SWPPP.

TASK 2. Obtain Permit Coverage:

a. The Owner/Operator submits the Notice of Intent (NOI) to the NYSDEC for coverage under GP-0-25-001, following the instructions and timelines specified in the permit.

TASK 3. Designate Qualified Personnel:

a. The Owner/Operator identifies and designates the Qualified Inspector/Qualified Professional (QI/QP) responsible for conducting site inspections.
b. The Contractor designates a responsible party for on-site SWPPP implementation and routine inspections.

TASK 4. Pre-Construction Meeting:

a. A pre-construction meeting is held with the Owner/Operator, Engineer, Contractor, and QI/QP to review the SWPPP, discuss roles and responsibilities, the construction sequence, erosion and sediment control measures, and communication protocols.

TASK 5. Install Initial Erosion and Sediment Control Measures:

a. Prior to any soil disturbance, the Contractor installs the perimeter erosion and sediment control measures as detailed in the SWPPP and the erosion and sediment control plan. This may include silt fences, sediment logs, temporary diversions, and stabilized construction entrances.

TASK 6. Pre-Construction Inspection and Certification:

a. Once the initial erosion and sediment control measures are installed, the Contractor notifies the QI/QP.
b. The QI/QP conducts a thorough pre-construction site inspection to ensure that the erosion and sediment control measures have been adequately installed and implemented in accordance with the SWPPP.
c. The QI/QP prepares and submits a pre-construction inspection report certifying the adequacy of the installed measures to the Owner/Operator and Contractor. Construction activities cannot commence until this certification is complete.

TASK 7. Establish Site Log Book:

a. The Contractor establishes a site log book to record inspection reports, corrective actions, maintenance activities, significant storm events, spills, SWPPP modifications, and other required information as per the GP-0-25-001.

### 6.1.2. During Construction

This phase outlines the order of construction activities involving soil disturbance and the implementation of erosion and sediment controls. This is a sample and needs to be tailored to the specific project.

PHASE 1. Site Clearing and Initial Grading:

a. Clearly delineate the limits of disturbance as shown on the SWPPP plans.
b. Install and maintain the stabilized construction entrance(s) to prevent off-site tracking of sediment.
c. Implement any necessary temporary diversions or swales to redirect upslope runoff away from disturbed areas.
d. Begin clearing and grubbing within the designated limits, proceeding in manageable areas.
e. Immediately after clearing and initial grading of a specific area, install appropriate erosion and sediment controls for that area, such as temporary seeding, mulching, or sediment traps/basins if required by the SWPPP.

PHASE 2. Utility Installation:

a. Excavate for and install underground utilities (e.g., water, sewer, electric, gas) in a phased manner, minimizing the amount of exposed soil at any one time.
b. Install erosion and sediment controls (e.g., check dams in trenches, temporary sediment barriers around stockpiled materials) immediately adjacent to utility work.
c. Backfill and temporarily stabilize disturbed areas as soon as possible after utility installation.

PHASE 3. Building Foundation and Construction:
a. Excavate for building foundations.
b. Manage dewatering activities (if necessary) in accordance with the SWPPP, ensuring proper discharge through sediment controls.
c. Proceed with building construction.
d. As portions of the building are completed and roof drainage systems are installed, direct roof runoff to temporary or permanent stormwater controls as designed in the SWPPP.

PHASE 4. Final Grading and Paving:
a. Perform final grading to establish permanent slopes and drainage patterns as shown in the SWPPP.
b. Install inlet protection measures for all stormwater inlets as soon as they are installed.
c. Prepare sub-base for paving.
d. Install curbing and pavement.

PHASE 5. Landscaping and Final Stabilization:
a. Install permanent stormwater management practices (e.g., infiltration basins, bioretention areas, vegetated swales) as specified in the SWPPP.
b. Topsoil and seed or plant all remaining disturbed areas to achieve final stabilization (uniform vegetative cover with at least 80% density).
c. Install any remaining permanent erosion control measures (e.g., permanent check dams, riprap).
d. Remove temporary erosion and sediment control measures only after final stabilization is achieved in the contributing drainage area and with the approval of the QI/QP. Disturbed areas where temporary controls are removed must be stabilized immediately.

Throughout the Construction Sequence it will be important to adhere to the following:

- Regular Inspection and Reporting by the QI/QP.
- Routine Contractor Inspections.
- Regular maintenance of all erosion and sediment controls.
- Updating Site Log Book with inspections, maintenance, corrective actions, storm events, and other relevant information and documentation.
- Modify SWPPP (if necessary) to reflect changes in site conditions, construction activities, or the effectiveness of control measures

### 6.1.3. Post-Construction

This phase begins after final site stabilization has been achieved for all disturbed areas and all permanent stormwater management practices have been constructed and are operational.

TASK 1. Final Stabilization Certification:

a. The QI/QP conducts a final site inspection to verify that all disturbed areas have achieved final stabilization and that all permanent stormwater management practices have been constructed according to the SWPPP and are functioning as designed.
b. The QI/QP prepares a final inspection report certifying final stabilization.

TASK 2. Submit Notice of Termination (NOT):

a. The Owner/Operator submits a complete and accurate Notice of Termination (NOT) to the NYSDEC, certifying that the site has achieved final stabilization and all permanent stormwater controls are in place and operational, in accordance with the requirements of GP-0-25-001.

TASK 3. Implement Long-Term Stormwater Management Plan:

a. The Owner/Operator implements the long-term Post-Construction Stormwater Management Plan, which includes regular inspection and maintenance of all permanent stormwater management practices.

TASK 4. Ongoing Inspections and Maintenance:

a. Periodic inspections of the permanent stormwater management practices are conducted as outlined in the Post-Construction Stormwater Management Plan (typically annually or as specified).
b. Maintenance activities (e.g., sediment removal from ponds, vegetation management in swales, cleaning of permeable pavements) are performed according to the schedule and requirements in the plan to ensure the continued effectiveness of the SMPs.
c. Records of all post-construction inspections and maintenance are maintained.

## 6.2. Responsibilities

### 6.2.1. Owner

The Owner/Operator has the ultimate responsibility for ensuring that the project proceeds in accordance with the SWPPP, including the construction sequence. They need to approve the sequence and ensure that sufficient resources are allocated for its implementation.

The Owner/Operator holds the ultimate responsibility for compliance with the stormwater permit and the proper implementation of the SWPPP. Their responsibilities typically include:

- Permit Acquisition: Obtaining the necessary coverage under the General Permit (GP-0-25-001).
- SWPPP Development and Implementation: Ensuring a comprehensive and effective SWPPP is developed and implemented for the project. While they may delegate the preparation to an Engineer, the ultimate responsibility for having a compliant SWPPP rests with them.
- Providing Resources: Allocating sufficient financial and personnel resources for the proper implementation, inspection, and maintenance of erosion and sediment controls and post-construction stormwater management practices.
- Scheduling: Set up meetings between all parties involved to ensure successful implementation of the SWPPP.
- Contractor Oversight: Ensuring that all contractors and subcontractors working on the site are aware of and comply with the SWPPP requirements.
- Communication and Coordination: Maintaining effective communication and coordination among all parties involved in the project, including the Engineer, Contractor, and QI/QP.
- Reporting and Record Keeping: Ensuring that all required reports (including inspection reports) and records (including the site log book) are properly prepared, maintained, and submitted as required by the permit.

- ❖ SWPPP Modifications: Ensuring the SWPPP is updated and modified as necessary to reflect changes in site conditions, construction activities, or regulatory requirements.
- ❖ Notice of Termination (NOT): Submitting a complete and accurate NOT once final stabilization is achieved for the entire site and all permanent stormwater management practices are in place and operational.
- ❖ Long-Term Maintenance: For post-construction stormwater management practices, the Owner/Operator (or subsequent property owner) is typically responsible for their long-term inspection and maintenance, as outlined in the SWPPP.
- ❖ Paying Fees: Annual permit fees and Initial coverage fee.

### 6.2.2. Engineer

The Engineer plays a crucial role in the planning and design aspects of stormwater management. Their responsibilities typically include:

- ❖ Preparing a comprehensive SWPPP that meets the requirements of GP-0-25-001 and addresses the specific conditions of the construction site. This includes:
  - o Site assessment and characterization.
  - o Design of erosion and sediment control measures.
  - o Development of the initial construction sequence.
  - o Design of post-construction stormwater management practices.
  - o Preparation of the inspection and maintenance requirements.
  - o Development of the stormwater pollution prevention team and assignment of responsibilities.
- ❖ Providing Technical Expertise: Offering technical guidance and support related to stormwater management throughout the project.
- ❖ SWPPP Modifications: Revising and updating the SWPPP as necessary based on site conditions, regulatory changes, or the need for improved control measures.
- ❖ Review of Contractor Submittals: Reviewing contractor plans and submittals related to erosion and sediment control to ensure they are consistent with the SWPPP.
- ❖ Certification (if applicable): In some cases, the Engineer may be required to certify certain aspects of the SWPPP design or the installation of stormwater management practices.

### 6.2.3. Contractor

The Contractor is directly responsible for following the approved construction sequence in their daily operations. This includes scheduling work to align with the planned phasing, installing erosion and sediment controls as specified in the sequence and SWPPP, and coordinating with the Qualified Inspector/Qualified Professional regarding the timing of control measure installation and inspections. If deviations from the planned sequence are necessary, the Contractor must communicate this to the Owner/Operator and the Engineer/SWPPP preparer for potential SWPPP modification.

The Contractor is directly responsible for the day-to-day implementation of the erosion and sediment control measures and adherence to the SWPPP on the construction site. Their responsibilities include:

- ❖ SWPPP Understanding: Thoroughly understanding the requirements of the SWPPP and ensuring that all site personnel are aware of their responsibilities. Signing the “Contractor’s Certification Form” and including in the site log book is an important first step.

- Implementation of Control Measures: Properly installing, maintaining, repairing, and replacing erosion and sediment control measures as specified in the SWPPP and as directed by the QI/QP. This includes timely installation in accordance with the construction sequence.
- Routine Inspections: Conducting routine visual inspections of erosion and sediment controls as outlined in the SWPPP's inspection schedule.
- Corrective Actions: Promptly implementing corrective actions identified in the QI/QP's inspection reports.
- Equipment and Material Management: Managing equipment and materials on-site in a manner that prevents or minimizes stormwater pollution (e.g., proper storage, spill prevention).
- Waste Management: Properly managing construction waste to prevent it from entering stormwater runoff.
- Communication: Maintaining effective communication with the Owner/Operator and the QI/QP regarding site conditions, control measure performance, and any issues that arise.
- Adherence to Construction Sequence: Performing work in accordance with the approved construction sequence and notifying the necessary parties if deviations are required.
- Providing Access: Providing access to the site for inspections by the QI/QP and regulatory agencies.

### 6.2.4. Qualified Inspector/Qualified Professional (QI/QP)

The QI/QP needs to understand the planned construction sequence to effectively conduct pre-construction inspections (ensuring initial controls are in place before disturbance begins) and ongoing inspections (verifying that controls are implemented in accordance with the sequence and are adequate for the current stage of construction). They will also advise on adjustments to the sequence or control measures as needed based on site conditions.

The Qualified Inspector (QI) or Qualified Professional (QP) (as defined by the permit) plays a critical role in ensuring the ongoing effectiveness of the SWPPP through regular site inspections and providing expert guidance. Their responsibilities typically include:

- Pre-Construction Inspection and Certification: Conducting an initial site assessment prior to construction to ensure that initial erosion and sediment controls are properly installed and certifying their adequacy.
- Regular Site Inspections: Performing site inspections at the frequency specified in the permit to assess the performance of pollutant controls.
- Evaluating Control Measure Effectiveness: Assessing the condition and effectiveness of all erosion and sediment control measures and identifying any deficiencies or areas needing improvement.
- Identifying Potential Pollutant Sources: Observing site conditions and activities to identify potential sources of stormwater pollution.
- Determining SWPPP Modifications: Based on site inspections, determining if modifications to the SWPPP, additional control measures, or relocation of existing measures are necessary.
- Reporting Inspection Findings: Preparing detailed inspection reports that document site conditions, compliance status, instances of non-compliance, and required corrective actions.
- Communicating Corrective Actions: Notifying the Owner/Operator and the appropriate contractor/subcontractor of any corrective actions needed within the timeframe specified in the permit.
- Following Up on Corrective Actions: Potentially verifying that required corrective actions have been implemented effectively.
- Providing Guidance and Recommendations: Offering professional advice and recommendations on best management practices for erosion and sediment control.

- Understanding the SWPPP and Permit: Having a thorough understanding of the SWPPP and the requirements of GP-0-25-001.

# Appendix A

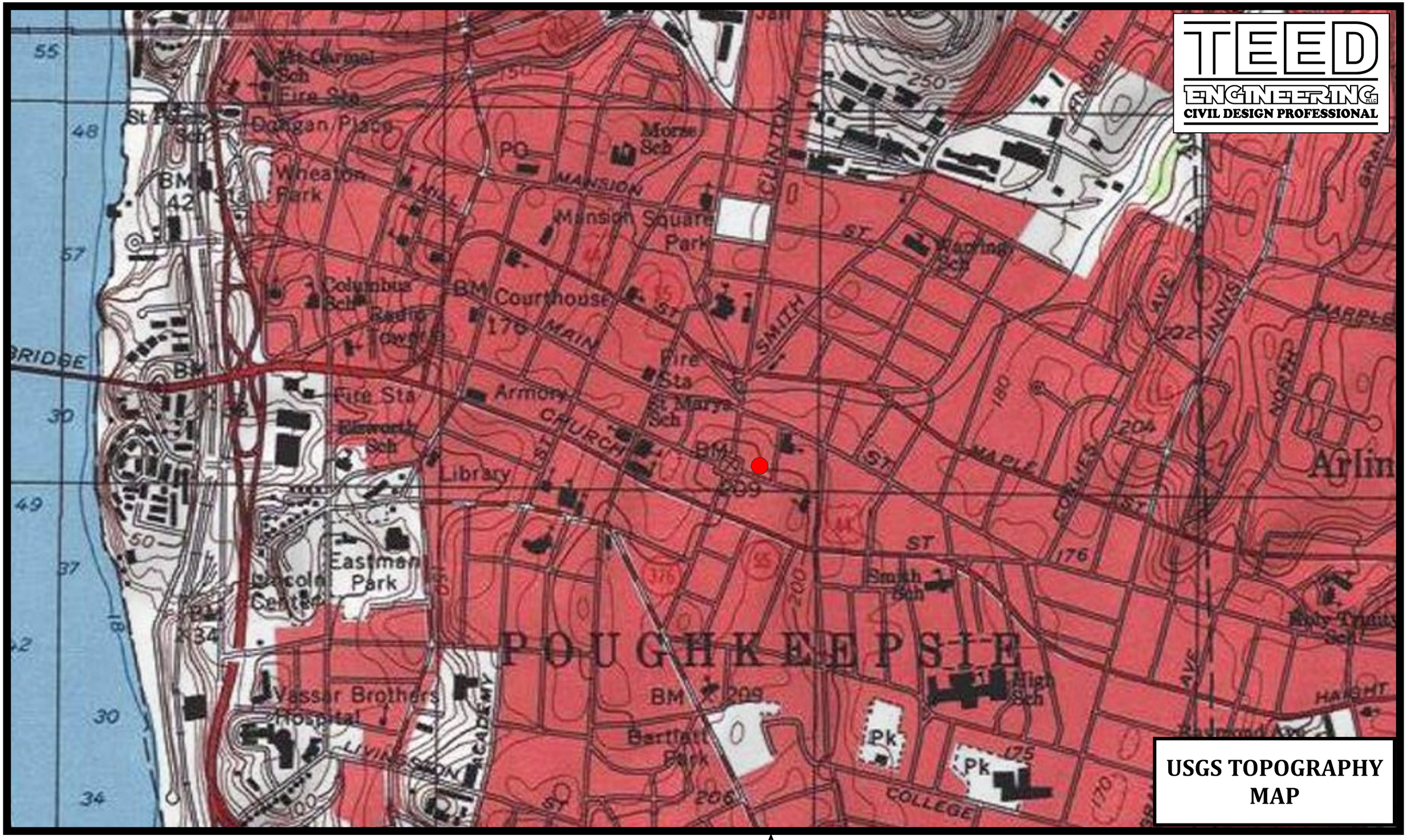
## Facts & Figures

1. Location Map
2. Topographic Map – USGS
3. NWI Map
4. NRCS Soil Report
5. FEMA Map
6. Cultural Resource Information System (CRIS) Map
7. NYSDEC ER Maps
8. NYSDEC Nature Explorer Map
9. Threatened & Endangered Species Screening

**149 Cannon Street (C) Poughkeepsie**
**TM: 133300-6162-23-276969-0000**

NORTH

0 0.1 0.2 mi




**149 Cannon Street (C) Poughkeepsie**
**TM: 133300-6162-23-276969-0000**

NORTH

0 0.1 0.2 mi

TEED
ENGINEERING PLLC
CIVIL DESIGN PROFESSIONAL

# AERIAL IMAGERY MAP

**149 Cannon Street (C) Poughkeepsie**
**TM: 133300-6162-23-276969-0000**

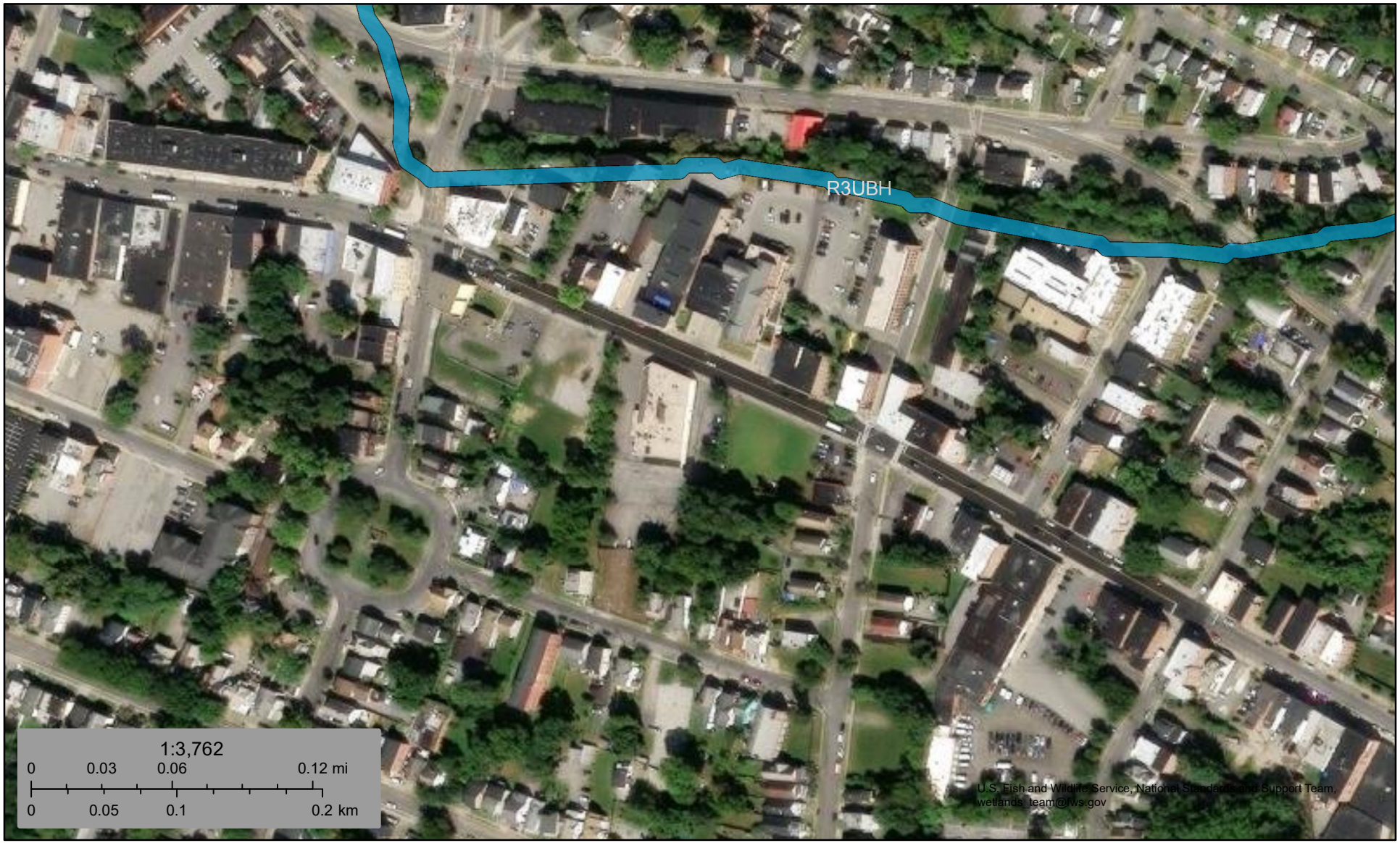
NORTH

0 0.1 0.2 mi

U.S. Fish and Wildlife Service

# National Wetlands Inventory

## 149 Cannon Street




May 12, 2025

**Wetlands**

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

United States Department of Agriculture

NRCS

Natural Resources Conservation Service

A product of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local participants

# Custom Soil Resource Report for Dutchess County, New York

## 149-151 Cannon Street

# Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (https://offices.sc.egov.usda.gov/locator/app?agency=nrcs) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

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# Contents

**Preface**.....2
**How Soil Surveys Are Made**.....5
**Soil Map**.....8
Soil Map.....9
Legend.....10
Map Unit Legend.....11
Map Unit Descriptions.....11
Dutchess County, New York.....13
Ur—Urban land.....13
**References**.....14

# How Soil Surveys Are Made

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil

scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and

identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

# Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

Map Scale: 1:462 if printed on A portrait (8.5" x 11") sheet.

N

Meters
0 5 10 20 30

Feet
0 20 40 80 120

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 21, Aug 29, 2024

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Oct 21, 2022—Oct 27, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

# Map Unit Legend

| Map Unit Symbol | Map Unit Name | Acres in AOI | Percent of AOI |
|---|---|---|---|
| Ur | Urban land | 0.5 | 100.0% |
| **Totals for Area of Interest** | | **0.5** | **100.0%** |

# Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

# Dutchess County, New York

## Ur—Urban land

### Map Unit Setting

*National map unit symbol:* 9rjb
*Mean annual precipitation:* 41 to 47 inches
*Mean annual air temperature:* 45 to 50 degrees F
*Frost-free period:* 115 to 195 days
*Farmland classification:* Not prime farmland

### Map Unit Composition

*Urban land:* 90 percent
*Minor components:* 10 percent
*Estimates are based on observations, descriptions, and transects of the mapunit.*

### Description of Urban Land

#### Typical profile

*H1 - 0 to 6 inches:* variable

#### Interpretive groups

*Land capability classification (irrigated):* None specified
*Land capability classification (nonirrigated):* 8s
*Hydric soil rating:* Unranked

### Minor Components

#### Udorthents, smoothed

*Percent of map unit:* 5 percent
*Hydric soil rating:* No

#### Udorthents, wet substratum

*Percent of map unit:* 3 percent
*Hydric soil rating:* No

#### Unnamed soils, undisturbed

*Percent of map unit:* 1 percent
*Hydric soil rating:* Unranked

#### Rock outcrop

*Percent of map unit:* 1 percent
*Hydric soil rating:* Unranked

# References

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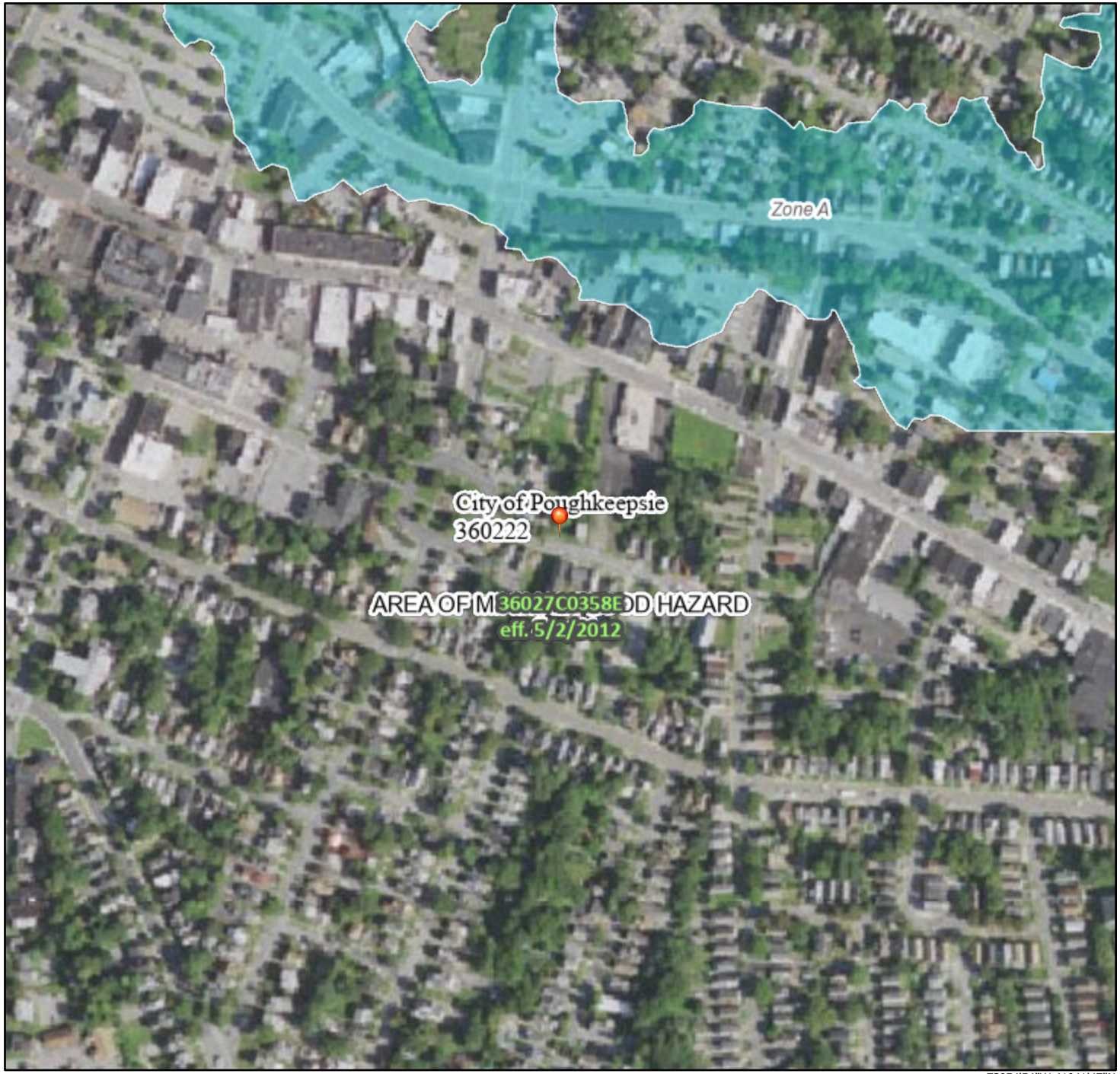
# National Flood Hazard Layer FIRMette

FEMA

73°55'31"W 41°42'14"N




0 250 500 1,000 1,500 2,000 Feet

1:6,000

73°54'54"W 41°41'47"N

*Basemap Imagery Source: USGS National Map 2023*

## Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

**SPECIAL FLOOD HAZARD AREAS**
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

**OTHER AREAS OF FLOOD HAZARD**
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

**OTHER AREAS**
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

**GENERAL STRUCTURES**
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

**OTHER FEATURES**
- 20.2 Cross Sections with 1% Annual Chance
- 17.5 Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

**MAP PANELS**
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 5/12/2025 at 11:11 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

CRIS Cultural Resource Information System

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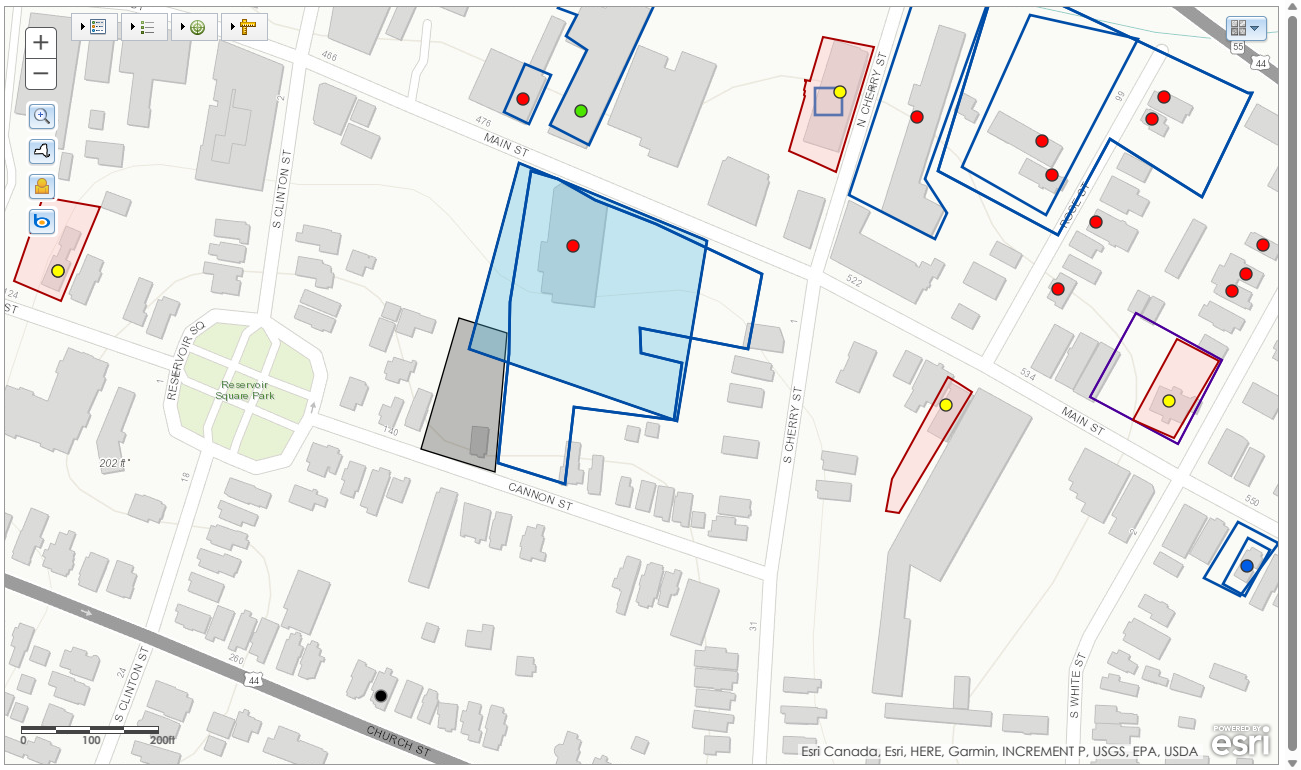
Criteria Spatial Results

**Projects (1)**

Download Results

| Zoom | Project Number | Project Name | Status |
|---|---|---|---|
| | 19PR04138 | Las Ventanas on Main | Open |

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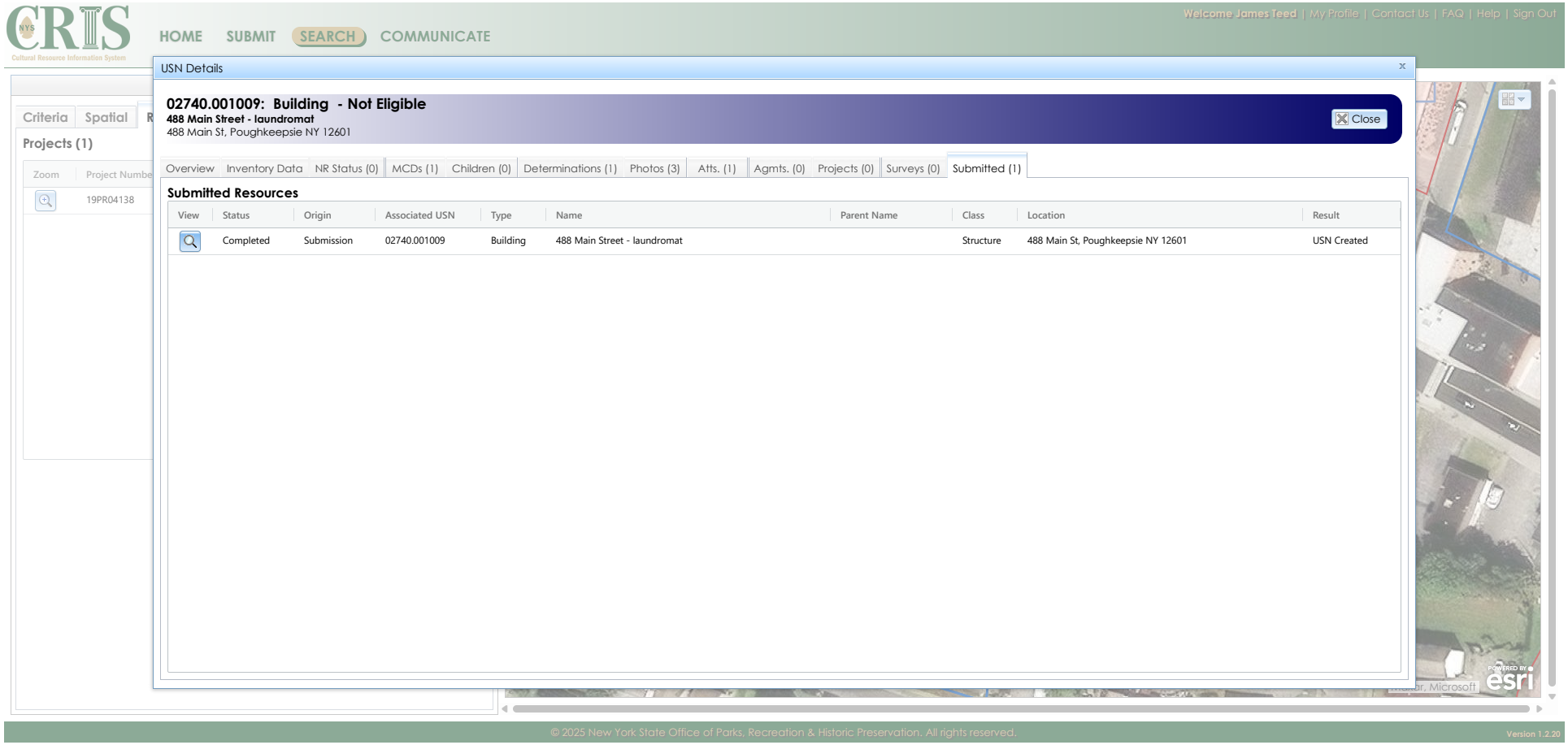
Version 1.2.20


CRIS
Cultural Resource Information System
HOME
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Welcome James Teed | My Profile | Contact Us | FAQ | Help | Sign Out
USN Details
02740.001009: Building - Not Eligible
488 Main Street - laundromat
488 Main St, Poughkeepsie NY 12601
Close
Overview
Inventory Data
NR Status (0)
MCDs (1)
Children (0)
Determinations (1)
Photos (3)
Atts. (1)
Agmts. (0)
Projects (0)
Surveys (0)
Submitted (1)
Submitted Resources
View
Status
Origin
Associated USN
Type
Name
Parent Name
Class
Location
Result
Completed
Submission
02740.001009
Building
488 Main Street - laundromat
Structure
488 Main St, Poughkeepsie NY 12601
USN Created
Criteria
Spatial
Projects (1)
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19PR04138
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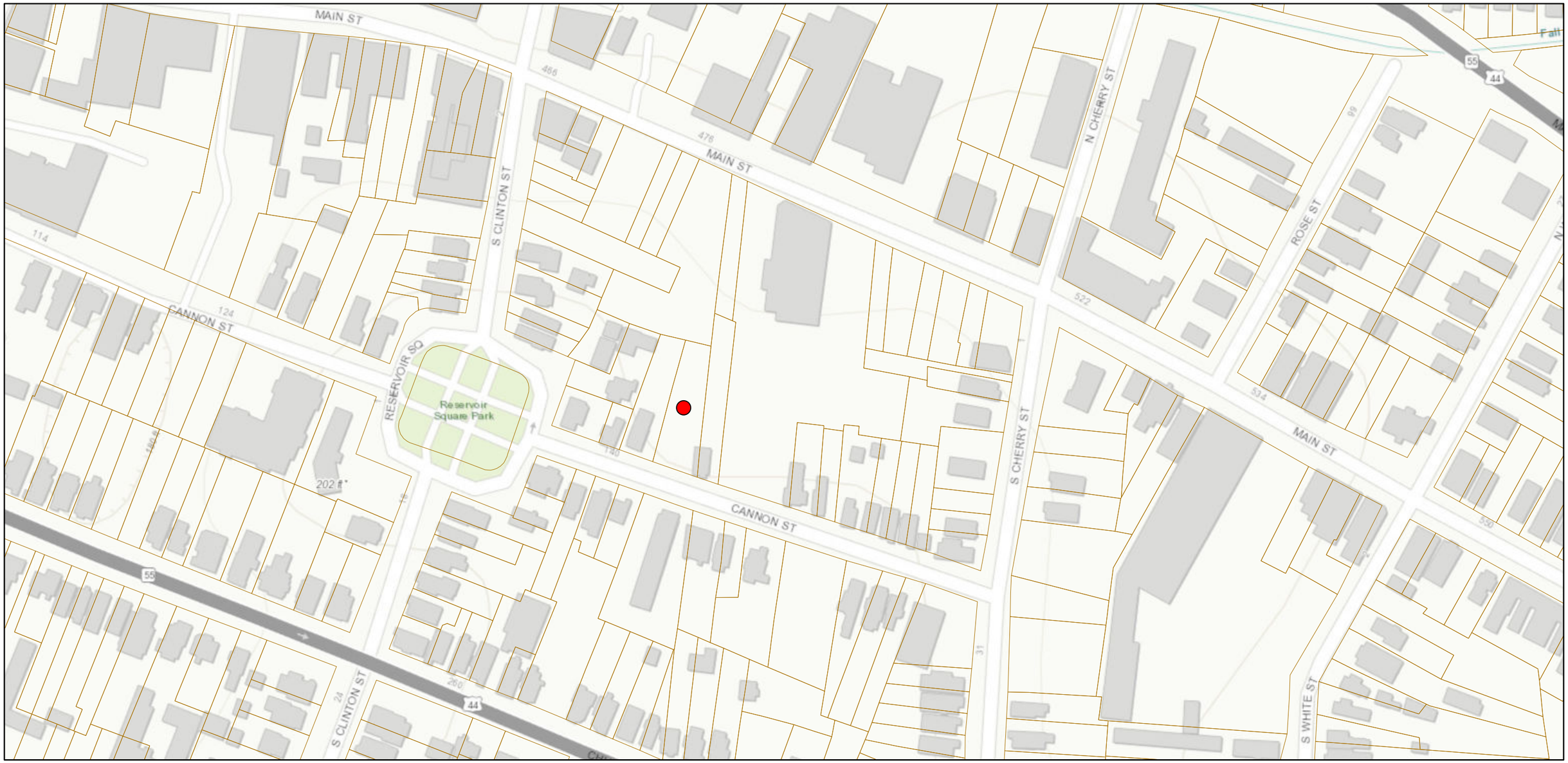
# 149 Cannon Street




May 12, 2025

1:2,257

0 0.02 0.04 0.08 mi

0 0.03 0.06 0.12 km

Esri Canada, Esri, HERE, Garmin, INCREMENT P, USGS, EPA, USDA

Author: Teed Engineering, PLLC

Not a legal document

## NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

**Division of Fish and Wildlife, New York Heritage Program**
625 Broadway, Fifth Floor, Albany, NY 12233-4757
Phone: (518) 402-8935 | Fax: (518) 402-8925
**www.dec.ny.gov**

**05/12/2025**

The attached report from the Environmental Resource Mapper includes information from the New York Natural Heritage Program database with respect to the location indicated on the map below. This letter, together with the attached report from the Environmental Resource Mapper, is equivalent to, and carries the same validity, as a letter from the New York Natural Heritage Program, including for projects where a Natural Heritage letter is required.

If your location of interest does not fall within an area covered by the Rare Plants and Rare Animals layer or in the Significant Natural Communities layer, then New York Natural Heritage has no records to report in the vicinity of your project site. Submitting a project screening request to NY Natural Heritage is not necessary.

If the attached report lists that your location of interest is in the vicinity of state-listed animals, including state-listed bats, please consult the **EAF Mapper** to obtain a list of the species involved. (You do not have to be filling out an Environmental Assessment Form in order to use the EAF Mapper). Then consult the appropriate **NYSDEC Regional Office** for information on any project requirements or permit conditions.

If the attached report lists unlisted animals, rare plants, or significant natural communities, and if you would like more information on these, please submit a project screening request to **New York Natural Heritage**. For more information, please see the DEC webpage **Request Natural Heritage Information for Project Screening**.

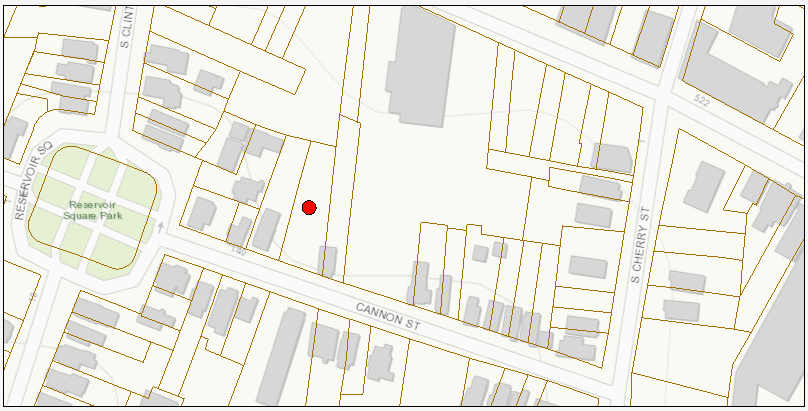
The absence of data does not necessarily mean that rare or state-listed species, significant natural communities, or other significant habitats do not exist on or adjacent to the proposed site. Rather, NYNHP files currently do not contain information that indicates their presence. For most sites, comprehensive field surveys have not been conducted. NYNHP cannot provide a definitive statement on the presence or absence of all rare or state-listed species or significant natural communities. Depending on the nature of the project and the conditions at the project site, further information from on-site surveys or other resources may be required to fully assess impacts on biological resources from a proposed project.

This response applies only to known occurrences of rare or state-listed animals and plants, significant natural communities, and other significant habitats maintained in the NYNHP database.

**New York Natural Heritage Program**

**https://www.nynhp.org/**.

## Environmental Resource Mapper




**The coordinates of the point you clicked on are:**

| | | | | |
|---|---|---|---|---|
| **UTM 18** | **Easting:** | 589865.012719016 | **Northing:** | 4617067.780129389 |
| **Longitude/Latitude** | **Longitude:** | -73.91996629972299 | **Latitude:** | 41.70033143864408 |

**The approximate address of the point you clicked on is:**
145 Cannon St, Poughkeepsie, New York, 12601

**County:** Dutchess
**City:** Poughkeepsie
**USGS Quad:** POUGHKEEPSIE

If your project or action is within or near an area with a rare animal, a permit may be required if the species is listed as endangered or threatened and the department determines the action may be harmful to the species or its habitat.

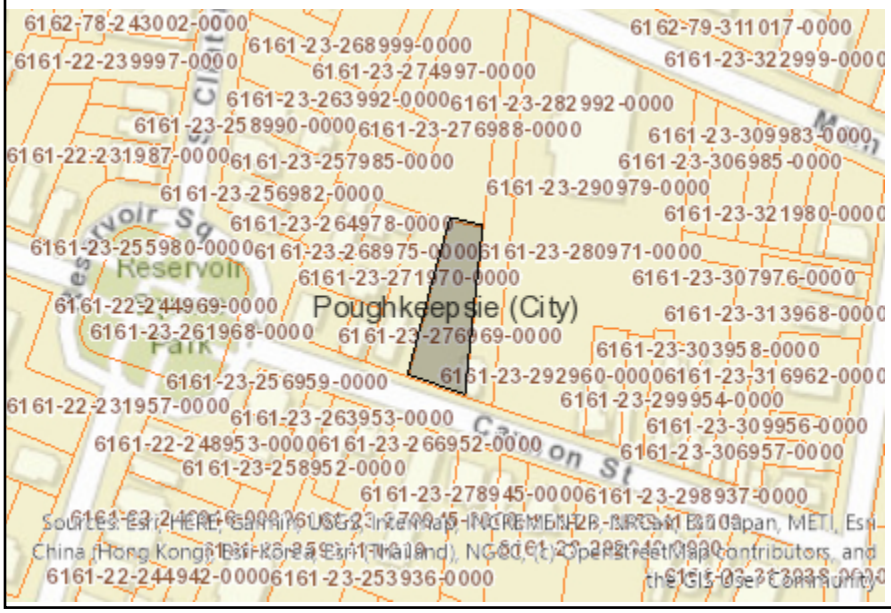
If your project or action is within or near an area with rare plants and/or significant natural communities, the environmental impacts may need to be addressed.

The presence of a unique geological feature or landform near a project, unto itself, does not trigger a requirement for a NYS DEC permit. Readers are advised, however, that there is the chance that a unique feature may also show in another data layer (ie. a wetland) and thus be subject to permit jurisdiction.

Please refer to the "Need a Permit?" tab for permit information or other authorizations regarding these natural resources.

**Disclaimer:** If you are considering a project or action in, or near, a wetland or a stream, a NYS DEC permit may be required. The Environmental Resources Mapper does not show all natural resources which are regulated by NYS DEC, and for which permits from NYS DEC are required. For example, Regulated Tidal Wetlands, and Wild, Scenic, and Recreational Rivers, are currently not included on the maps.

Print Preview




**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 to confirm data provided by the Mapper or to obtain data not provided by the Mapper.

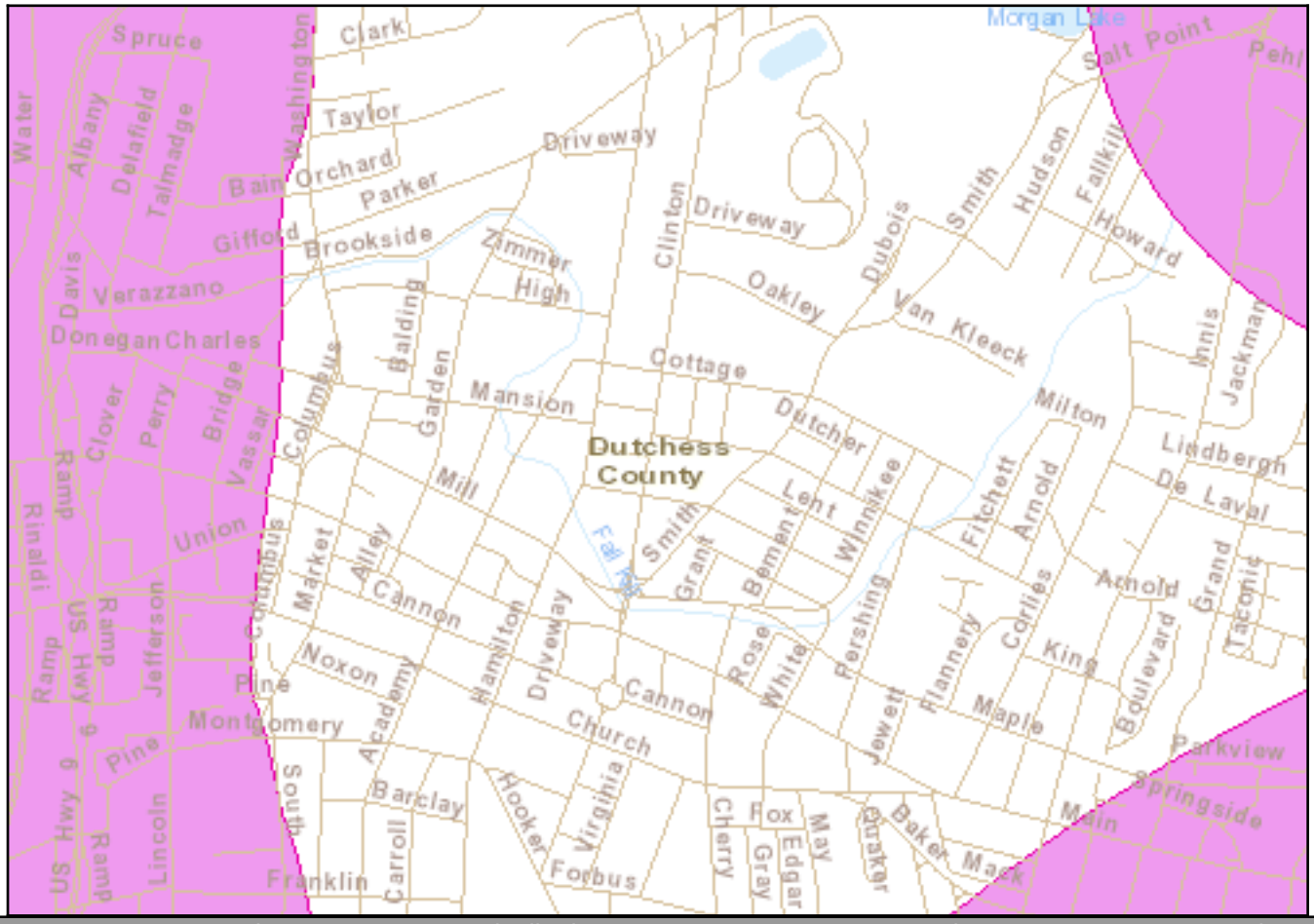
| | |
|---|---|
| Part 1 / Question 7 [Critical Environmental Area] | No |
| Part 1 / Question 12a [National or State Register of Historic Places or State Eligible Sites] | Yes |
| Part 1 / Question 12b [Archeological Sites] | No |
| Part 1 / Question 13a [Wetlands or Other Regulated Waterbodies] | Digital mapping data are not available or are incomplete. Refer to EAF Workbook. |
| Part 1 / Question 15 [Threatened or Endangered Animal] | No |
| Part 1 / Question 16 [100 Year Flood Plain] | No |
| Part 1 / Question 20 [Remediation Site] | Yes |

# New York Nature Explorer

## 149 Cannon Street

149 Cannon Street
Teed Engineering, PLLC

Criteria: Selected Map Area




| Common Name | Subgroup | Distribution Status | Year Last Documente | Protection Status | | Conservation Rank | |
|---|---|---|---|---|---|---|---|
| | | | | State | Federal | State | Global |

Note: Restricted plants and animals may also have also been documented in one or more of the Towns or Cities in which your user-defined area is located, but are not listed in these results. This application does not provide information at the level of Town or City on state-listed animals and on other sensitive animals and plants. A list of the restricted animals and plants documented at the corresponding county level can be obtained via the County link(s) on the original User Defined Search Results page. Any individual plant or animal on this county's restricted list may or may not occur in this particular user-defined area.

This list only includes records of rare species and significant natural communities from the databases of the NY Natural Heritage Program. This list is not a definitive statement about the presence or absence of all plants and animals, including rare or state-listed species, or of all significant natural communities. For most areas, comprehensive field surveys have not been conducted, and this list should not be considered a substitute for on-site surveys.

# Appendix B

## Standard Specifications

1. Concrete Truck Washout
2. Construction Road Stabilization
3. Dust Control
4. Protecting Vegetation During Construction
5. Stabilized Construction Access
6. Soil Stabilization
7. Land grading
8. Mulching
9. Permanent Construction Area Planting
10. Temporary Construction Area Seeding
11. Topsoiling
12. Silt Fence

# STANDARD AND SPECIFICATIONS FOR CONSTRUCTION ROAD STABILIZATION

## Definition & Scope

The stabilization of temporary construction access routes, on-site vehicle transportation routes, and construction parking areas to control erosion on temporary construction routes and parking areas.

## Conditions Where Practice Applies

All traffic routes and parking areas for temporary use by construction traffic.

## Design Criteria

Construction roads should be located to reduce erosion potential, minimize impact on existing site resources, and maintain operations in a safe manner. Highly erosive soils, wet or rocky areas, and steep slopes should be avoided. Roads should be routed where seasonal water tables are deeper than 18 inches. Surface runoff and control should be in accordance with other standards.

**Road Grade** – A maximum grade of 12% is recommended, although grades up to 15% are possible for short distances.

**Road Width** – 12 foot minimum for one-way traffic or 24 foot minimum for two-way traffic.

**Side Slope of Road Embankment** – 2:1 or flatter.

**Ditch Capacity** – On-site roadside ditch and culvert capacities shall be the 10 yr. peak runoff.

**Composition** – Use a 6-inch layer of NYS DOT sub-base Types 1,2,3, 4 or equivalent as specified in NYSDOT Standard Specifications.

## Construction Specifications

1. Clear and strip roadbed and parking areas of all vegetation, roots, and other objectionable material.

2. Locate parking areas on naturally flat areas as available. Keep grades sufficient for drainage, but not more than 2 to 3 percent.

3. Provide surface drainage and divert excess runoff to stabilized areas.

4. Maintain cut and fill slopes to 2:1 or flatter and stabilized with vegetation as soon as grading is accomplished.

5. Spread 6-inch layer of sub-base material evenly over the full width of the road and smooth to avoid depressions.

6. Provide appropriate sediment control measures to prevent offsite sedimentation.

## Maintenance

Inspect construction roads and parking areas periodically for condition of surface. Top dress with new gravel as needed. Check ditches for erosion and sedimentation after rainfall events. Maintain vegetation in a healthy, vigorous condition. Areas producing sediment should be treated immediately.

# STANDARD AND SPECIFICATIONS FOR DUST CONTROL

## Definition & Scope

The control of dust resulting from land-disturbing activities, to prevent surface and air movement of dust from disturbed soil surfaces that may cause off-site damage, health hazards, and traffic safety problems.

## Conditions Where Practice Applies

On construction roads, access points, and other disturbed areas subject to surface dust movement and dust blowing where off-site damage may occur if dust is not controlled.

## Design Criteria

**Construction operations should be scheduled to minimize the amount of area disturbed at one time.** Buffer areas of vegetation should be left where practical. Temporary or permanent stabilization measures shall be installed. No specific design criteria is given; see construction specifications below for common methods of dust control.

Water quality must be considered when materials are selected for dust control. Where there is a potential for the material to wash off to a stream, ingredient information must be provided to the NYSDEC.

No polymer application shall take place without written approval from the NYSDEC.

## Construction Specifications

A. **Non-driving Areas** – These areas use products and materials applied or placed on soil surfaces to prevent airborne migration of soil particles.

**Vegetative Cover** – For disturbed areas not subject to traffic, vegetation provides the most practical method of dust control (see Section 3).

**Mulch** (including gravel mulch) – Mulch offers a fast effective means of controlling dust. This can also include rolled erosion control blankets.

**Spray adhesives** – These are products generally composed of polymers in a liquid or solid form that are mixed with water to form an emulsion that is sprayed on the soil surface with typical hydroseeding equipment. The mixing ratios and application rates will be in accordance with the manufacturer's recommendations for the specific soils on the site. In no case should the application of these adhesives be made on wet soils or if there is a probability of precipitation within 48 hours of its proposed use. Material Safety Data Sheets will be provided to all applicators and others working with the material.

B. **Driving Areas** – These areas utilize water, polymer emulsions, and barriers to prevent dust movement from the traffic surface into the air.

**Sprinkling** – The site may be sprayed with water until the surface is wet. This is especially effective on haul roads and access route to provide short term limited dust control.

**Polymer Additives** – These polymers are mixed with water and applied to the driving surface by a water truck with a gravity feed drip bar, spray bar or automated distributor truck. The mixing ratios and application rates will be in accordance with the manufacturer's recommendations. Incorporation of the emulsion into the soil will be done to the appropriate depth based on expected traffic. Compaction after incorporation will be by vibratory roller to a minimum of 95%. The prepared surface shall be moist and no application of the polymer will be made if there is a probability of precipitation within 48 hours of its proposed use. Material Safety Data Sheets will be provided to all applicators working with the material.

**Barriers** – Woven geo-textiles can be placed on the driving surface to effectively reduce dust throw and particle migration on haul roads. Stone can also be used for construction roads for effective dust control.

**Windbreak** – A silt fence or similar barrier can control air currents at intervals equal to ten times the barrier height. Preserve existing wind barrier vegetation as much as practical.

## Maintenance

Maintain dust control measures through dry weather periods until all disturbed areas are stabilized.

# STANDARD AND SPECIFICATIONS FOR PROTECTING VEGETATION DURING CONSTRUCTION

## Definition & Scope

The protection of trees, shrubs, ground cover and other vegetation from damage by construction equipment. In order to preserve existing vegetation determined to be important for soil erosion control, water quality protection, shade, screening, buffers, wildlife habitat, wetland protection, and other values.

## Conditions Where Practices Applies

On planned construction sites where valued vegetation exists and needs to be preserved.

## Design Criteria

1. Planning Considerations

   A. Inventory:

   1) Property boundaries, topography, vegetation and soils information should be gathered. Identify potentially high erosion areas, areas with tree windthrow potential, etc. A vegetative cover type map should be made on a copy of a topographic map which shows other natural and manmade features. Vegetation that is desirable to preserve because of its value for screening, shade, critical erosion control, endangered species, aesthetics, etc., should be identified and marked on the map.

   2) Based upon this data, general statements should be prepared about the present condition, potential problem areas, and unique features of the property.

   B. Planning:

   1) After engineering plans (plot maps) are prepared, another field review should take place and recommendations made for the vegetation to be saved. Minor adjustments in location of roads, dwellings, and utilities may be needed. Construction on steep slopes, erodible soils, wetlands, and streams should be avoided. Clearing limits should be delineated (See "Determine Limits of Clearing and Grading" on page 2.2).

   2) Areas to be seeded and planted should be identified. Remaining vegetation should blend with their surroundings and/or provide special function such as a filter strip, buffer zone, or screen.

   3) Trees and shrubs of special seasonal interest, such as flowering dogwood, red maple, striped maple, serviceberry, or shadbush, and valuable potential shade trees should be identified and marked for special protective treatment as appropriate.

   4) Trees to be cut should be marked on the plans. If timber can be removed for salable products, a forester should be consulted for marketing advice.

   5) Trees that may become a hazard to people, personal property, or utilities should be removed. These include trees that are weak-wooded, disease-prone, subject to windthrow, or those that have severely damaged root systems.

   6) The vigor of remaining trees may be improved by a selective thinning. A forester should be consulted for implementing this practice.

2. Measures to Protect Vegetation

   A. Limit soil placement over existing tree and shrub roots to a maximum of 3 inches. Soils with loamy texture and good structure should be used.

   B. Use retaining walls and terraces to protect roots of trees and shrubs when grades are lowered. Lowered grades should start no closer than the dripline of the tree. For narrow-canopied trees and shrubs, the stem diameter in inches is converted to feet and doubled, such that a 10 inch tree should be protected to 20 feet.

   C. Trenching across tree root systems should be the same minimum distance from the trunk, as in "B". Tunnels under root systems for underground utilities should start 18 inches or deeper below the normal ground surface. Tree roots which must be severed should be cut clean. Backfill material that will be in contact with the roots should be topsoil or a prepared planting soil mixture.

   D. Construct sturdy fences, or barriers, of wood, steel, or other protective material around valuable

vegetation for protection from construction equipment. Place barriers far enough away from trees, but not less than the specifications in "B", so that tall equipment such as backhoes and dump trucks do not contact tree branches.

E. Construction limits should be identified and clearly marked to exclude equipment.

F. Avoid spills of oil/gas and other contaminants.

G. Obstructive and broken branches should be pruned properly. The branch collar on all branches whether living or dead should not be damaged. The 3 or 4 cut method should be used on all branches larger than two inches at the cut. First cut about one-third the way through the underside of the limb (about 6-12 inches from the tree trunk). Then (approximately an inch further out) make a second cut through the limb from the upper side. When the branch is removed, there is no splintering of the main tree trunk. Remove the stub. If the branch is larger than 5-6 inches in diameter, use the four cut system. Cuts 1 and 2 remain the same and cut 3 should be from the underside of the limb, on the outside of the branch collar. Cut 4 should be from the top and in alignment with the 3rd cut. Cut 3 should be 1/4 to 1/3 the way through the limb. This will prevent the bark from peeling down the trunk. Do not paint the cut surface.

H. Penalties for damage to valuable trees, shrubs, and herbaceous plants should be clearly spelled out in the contract.

**PROTECTING TREES IN HEAVY USE AREAS**

The compaction of soil over the roots of trees and shrubs by the trampling of recreationists, vehicular traffic, etc., reduces oxygen, water, and nutrient uptake by feeder roots. This weakens and may eventually kill the plants. Table 2.6 rates the “Susceptibility of Tree Species to Compaction.”

Where heavy compaction is anticipated, apply and maintain a 3 to 4 inch layer of undecayed wood chips or 2 inches of No. 2 washed, crushed gravel. In addition, use of a wooden or plastic mat may be used to lessen compaction, if applicable.

# Table 2.6
# Susceptibility of Tree Species to Compaction[1]

## Resistant:

| | | | |
|---|---|---|---|
| Box elder…… | *Acer negundo* | Willows…… | *Salix spp.* |
| Green ash…….. | *Fraxinus pennsylvanica* | Honey locust…… | *Gleditsia triacanthos* |
| Red elm…….. | *Ulmus rubra* | Eastern cottonwood……. | *Populus deltoides* |
| Hawthornes…… | *Crataegus spp.* | Swamp white oak……. | *Quercus bicolor* |
| Bur oak…….. | *Quercus macrocarpa* | Hophornbeam…… | *Ostrya virginiana* |
| Northern white cedar…. | *Thuja occidentalis* | | |

## Intermediate:

| | | | |
|---|---|---|---|
| Red maple……. | *Acer rubrum* | Sweetgum……. | *Liquidambar styraciflua* |
| Silver maple…….. | *Acer saccharinum* | Norway maple……. | *Acer platanoides* |
| Hackberry……. | *Celtis occidentalis* | Shagbark hickory……. | *Carya ovata* |
| Black gum…… | *Nyssa sylvatica* | London plane…….. | *Platanus x hybrida* |
| Red oak…… | *Quercus rubra* | Pin oak……. | *Quercus palustris* |
| Basswood……. | *Tilia americana* | | |

## Susceptible:

| | | | |
|---|---|---|---|
| Sugar maple……. | *Acer saccharum* | Austrian Pine…… | *Pinus nigra* |
| White pine…… | *Pinus strobus* | White ash……. | *Fraxinus americana* |
| Blue spruce…….. | *Picea pungens* | Paper birch…….. | *Betula papyrifera* |
| White oak…… | *Quercus alba* | Moutain ash……. | *Sorbus aucuparia* |
| Red pine…….. | *Pinus resinosa* | Japanese maple…… | *Acer palmatum* |

[1] If a tree species does not appear on the list, insufficient information is available to rate it for this purpose.

# STANDARD AND SPECIFICATIONS FOR STABILIZED CONSTRUCTION ACCESS

## Definition & Scope

A stabilized pad of aggregate underlain with geotextile located at any point where traffic will be entering or leaving a construction site to or from a public right-of-way, street, alley, sidewalk, or parking area. The purpose of stabilized construction access is to reduce or eliminate the tracking of sediment onto public rights-of-way or streets.

## Conditions Where Practice Applies

A stabilized construction access shall be used at all points of construction ingress and egress.

## Design Criteria

See Figure 2.1 on page 2.31 for details.

**Aggregate Size:** Use a matrix of 1-4 inch stone, or reclaimed or recycled concrete equivalent.

**Thickness:** Not less than six (6) inches.

**Width:** 12-foot minimum but not less than the full width of points where ingress or egress occurs. 24-foot minimum if there is only one access to the site.

**Length:** As required, but not less than 50 feet (except on a single residence lot where a 30 foot minimum would apply).

**Geotextile:** To be placed over the entire area to be covered with aggregate. Filter cloth will not be required on a single-family residence lot. Piping of surface water under entrance shall be provided as required. If piping is impossible, a mountable berm with 5:1 slopes will be permitted.

**Criteria for Geotextile:** The geotextile shall be woven or nonwoven fabric consisting only of continuous chain polymeric filaments or yarns of polyester. The fabric shall be inert to commonly encountered chemicals, hydro-carbons, mildew, rot resistant, and conform to the fabric properties as shown:

| Fabric Properties[3] | Light Duty[1] Roads Grade Subgrade | Heavy Duty[2] Haul Roads Rough Graded | Test Method |
|---|---|---|---|
| Grab Tensile Strength (lbs) | 200 | 220 | ASTM D1682 |
| Elongation at Failure (%) | 50 | 60 | ASTM D1682 |
| Mullen Burst Strength (lbs) | 190 | 430 | ASTM D3786 |
| Puncture Strength (lbs) | 40 | 125 | ASTM D751 Modified |
| Equivalent | 40-80 | 40-80 | US Std Sieve |
| Opening Size | | | CW-02215 |
| Aggregate Depth | 6 | 10 | - |

[1]Light Duty Road: Area sites that have been graded to subgrade and where most travel would be single axle vehicles and an occasional multi-axle truck. Acceptable materials are Trevira Spunbond 1115, Mirafi 100X, Typar 3401, or equivalent.

[2]Heavy Duty Road: Area sites with only rough grading, and where most travel would be multi-axle vehicles. Acceptable materials are Trevira Spunbond 1135, Mirafi 600X, or equivalent.

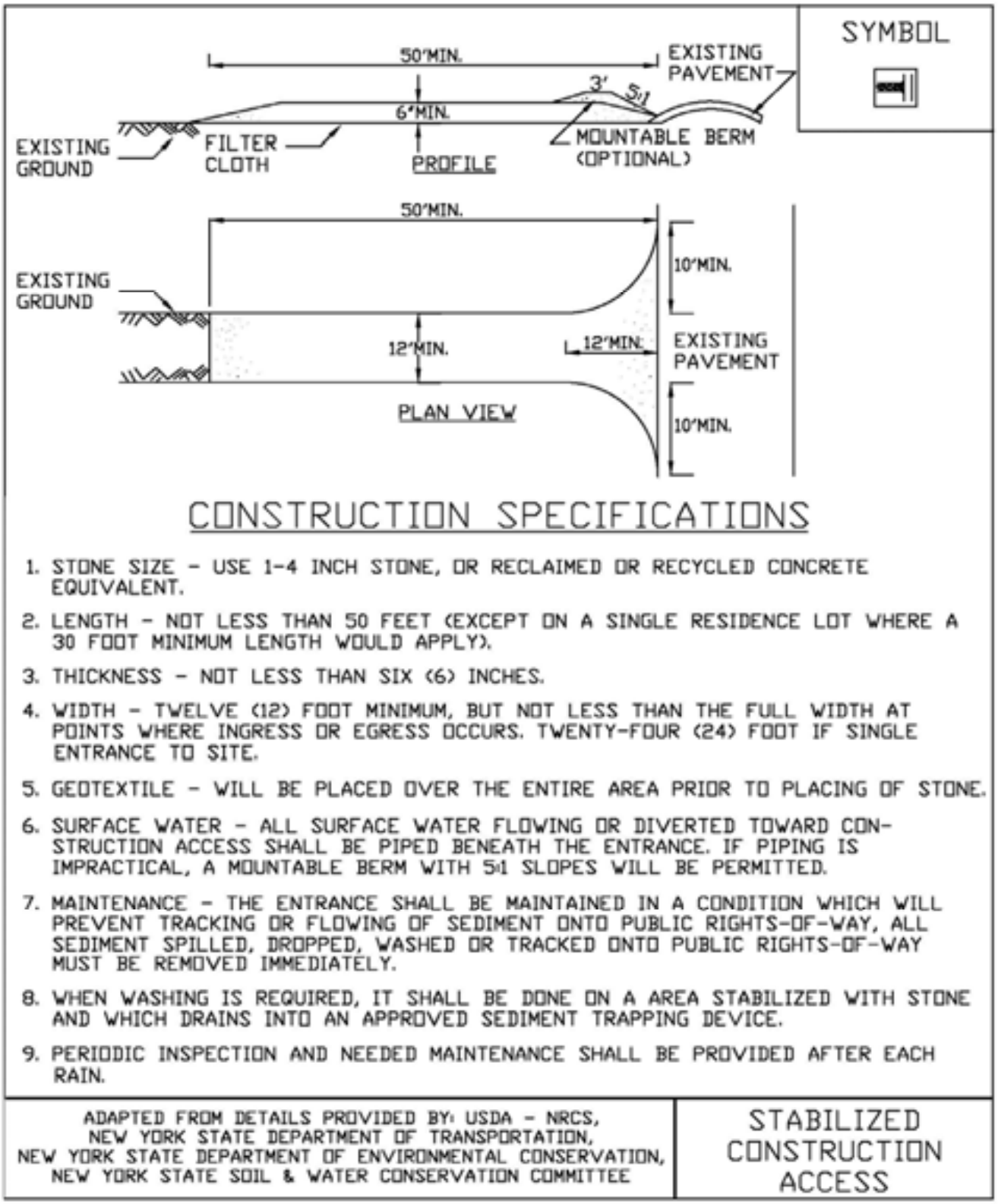
[3]Fabrics not meeting these specifications may be used only when design procedure and supporting documentation are supplied to determine aggregate depth and fabric strength.

## Maintenance

The access shall be maintained in a condition which will prevent tracking of sediment onto public rights-of-way or streets. This may require periodic top dressing with additional aggregate. All sediment spilled, dropped, or washed onto public rights-of-way must be removed immediately.

When necessary, wheels must be cleaned to remove sediment prior to entrance onto public rights-of-way. When washing is required, it shall be done on an area stabilized with aggregate, which drains into an approved sediment-trapping device. All sediment shall be prevented from entering storm drains, ditches, or watercourses.

# Figure 2.1
# Stabilized Construction Access




## CONSTRUCTION SPECIFICATIONS

1. STONE SIZE - USE 1-4 INCH STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH - NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
3. THICKNESS - NOT LESS THAN SIX (6) INCHES.
4. WIDTH - TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY-FOUR (24) FOOT IF SINGLE ENTRANCE TO SITE.
5. GEOTEXTILE - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ACCESS SHALL BE PIPED BENEATH THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY, ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
8. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON A AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

ADAPTED FROM DETAILS PROVIDED BY: USDA - NRCS, NEW YORK STATE DEPARTMENT OF TRANSPORTATION, NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION, NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE

STABILIZED CONSTRUCTION ACCESS

# EROSION CONTROL - PART 2
# SOIL STABILIZATION

## Scope and Discussion

Soil stabilization is the second step in controlling erosion on a construction site or a disturbed area. Erosion is the gradual wearing away of the land surface as a result of uncontrolled wind and water energy. Sedimentation is the result of transport and delivery of eroded particles, deposited at some point. Erosion and sediment control is a complex interaction of soils, engineering water management, agronomic, and horticultural practices. Decisions for resolving erosion conditions, both on the site and within the upper watershed, are formulated based on surface and subsurface water, soil material, climatic conditions, and anticipated land use. Creating a stable slope is necessary prior to vegetating. Sloughing and slumping impede establishment of a uniform protective cover. Stabilizing onsite surfaces can be done with vegetation in the form of various seed mixes and mulch, land shaping, and using woody plants specifically selected for site specific applications, also known as a bio-technical stabilization approach.

General planning considerations for vegetating a steep slope will include evaluating the soil. Factors such as soil texture and steepness affect the stability of the slope. Texture also influences the permeability and water holding capacity of the soil. Many slopes are stripped of their topsoil during the construction phase, leaving an infertile, compacted soil surface, void of valuable organic matter. Topsoil must be reapplied. Overly compacted soil must be decompacted with appropriate equipment. Soil pH and nutrient level are determined by obtaining a representative soil sample for analysis from an accredited lab. Appropriate plant material is designed and selected to meet the final slope and soil conditions for the site. These same concerns and practices also apply to flatter slopes and level areas.

When specifying a fertilizer mix for an area, design the appropriate proportions to meet the nutrients needs for the specific site. Always apply as closely as possible the required amount of fertilizer to meet the needs for the site soils. Adding surplus nitrogen may cause pollution of drinking water and saltwater ecosystems. Excessive phosphorus may accelerate the aging process of freshwater ecosystems. Excessive amounts of Nitrogen (N) and Potassium Oxide (K2O) may result in 'burning' the grass and killing it. **All fertilizer applications will be in accordance with the Nutrient Runoff Law – ECL Article 17, Title 21, January 1, 2012.**

## Principles of Biotechnical Practices

The implementation of Biotechnical practices is the specialized use of woody plant materials to stabilize soil enhance structural practices, and provide added support to habitat. One of the factors that affects erosion is vegetative cover. The more cover soil has, the more protected it is from the attacking forces of rainfall and runoff. Also working to hold the soil in place is the root mass that vegetation produces. Biotechnical measures generally combine basic engineering principles with plant science to create a system of stability and resource management for critical areas such as streambanks, roadside slopes, and large exposed areas. These systems may combine with structural measures to effect a strengthening of the soil structure and improve vegetative cover to resist surface erosion.

There are many advantages to Biotechnical practices:

- they are often less expensive to install
- they do not require specialized skills to install
- generally, heavy equipment is not required
- they are environmentally compatible since the design selects natural and native plant materials
- they provide a natural aesthetic appearance
- they provide wildlife habitat and cover and provide a food source to many land and aquatic species
- they mitigate thermal impacts to structural stream stabilization practices such as rock riprap and retaining walls by providing shade
- they can be self repairing during and after stress

On the other hand, there are some disadvantages to these measures:

- requires planning to obtain sources of plant materials
- higher risk due to less control with vegetation compared to structural practices
- require higher maintenance attention
- need an establishment period
- more sensitive to seasonal changes and seasonal

restrictions on planting may apply

The use of Biotechnical practices is actually an old technology. These techniques have been practiced for centuries in Europe. The Natural Resource Conservation Service used and promoted this technology in the 1940's in Vermont on the Winooski River and also in New York on Buffalo Creek, where plant materials (willows) were used in combination with rock riprap, concrete slabs, pinned rock, and cellular modules to halt streambank erosion.

These biotechnical approaches have been "rediscovered" primarily due to their cost effectiveness over more traditional structural measures (hard armor) and for their environmental compatibility, aesthetics, and wildlife benefits. There are many areas in towns and counties in New York that experience erosion on streambanks or sloughs on roadside slopes that could be controlled with biotechnical protection measures. The low cost and ease of installation is very attractive to units of government and highway departments looking to maximize their budget dollars.

Generally a biotechnical slope protection system consists of both a structural or mechanical element and vegetative elements working together to stabilize a site-specific condition. Structural components are employed in such a way to allow establishment of vegetative elements, while at the same time providing a level of protection for stability. The vegetative components are not just landscaping plantings for a structural project; they also perform a functional role in preventing erosion by protecting the surface, while also stabilizing soil by preventing shallow mass movements. These practices also provide a food source to both land based animals as well as smaller aquatic species along streambank revetments. Once established, the plantings provide shade in areas where mitigation of thermal impacts is needed due to hardened structural practices.

Woody plant materials (usually dormant shrub willow branches) are placed into the soil in ways that provide an immediate degree of stability to the slope. As the branches take root and grow, the slope becomes more and more resistant to failure by shallow mass movements due to:

1. Mechanical reinforcement from the root system,
2. Soil moisture reduction through transpiration and plant uptake, and
3. Buttressing and soil arching action from embedded stems.

The vegetation also tends to prevent (surface) erosion by:

1. Binding and restraining soil particles in place,
2. Filtering soil particles from runoff,
3. Absorb raindrop energy prior to impact,
4. Retarding velocity of runoff, and
5. Maintaining infiltration.

As the stability improves, native vegetation will volunteer, helping to blend the site into the surroundings.

There are many techniques used in biotechnical work. Some of the most common are:

**Vegetated Rock Gabions—**This is a combination of vegetation and rock gabions generally used for slope stabilization. Live branch cuttings are layered through the rock gabion structure to anchor in select earthfill. The cuttings protrude beyond the face of the gabion. The gabion standard is covered in the "Standard Specifications for Retaining Walls". See Figure 4.20 on page 4.67 for details.

**Live Fascines**—This technique uses bundles of branches which are staked into shallow trenches, then filled with soil. They are oriented along the contour and are placed in multiple rows to help stabilize a slope. See Standard and Specifications for Live Fascines.

**Brush Mattress**—This method uses hardwood brush layered along a streambank as a mattress and anchored in place with a grid of stakes and wire. The toe below the waterline is anchored by rock. This living blanket acts as a mulch for seedlings and plantings established in the bank. It also prevents erosion of sloped surfaces. See Standards and Specifications for Brush Mattress.

**Live Staking—**These are large stakes or poles sharpened at the bottom end and forced vertically into the soft earth along the waterline, usually about 1 foot apart. Depending on the size of the poles and the composition of the streambank, machinery may be required to force them into the ground or to prepare holes for planting. The poles will grow forming a very thick barrier to flow. See Figure 4.14 and Figure 4.15.

**Brush Layering**—This technique is generally used to stabilize slope areas above the flow line of streambanks as well as cut and fill slopes. It involves the use of long branches that are placed with cut ends into the slope on bulldozed terraces. The tops protrude outside the finished slope. A layer usually includes three layers of brush separated with a thin (3 in.) layer of soil. On this layer a "lift" of 3-5 feet of soil is placed to form the next terrace and so forth. See Figure 4.6.

**Live Cribwall**—This is a combination of vegetation and structural elements generally used along streams where flowing water is a hazard. Layers of logs are alternated with long branches protruding out between them. The logs are spiked together and anchored into the bank with earthfill behind them to create a wall. The live stems help tie the logs together and screen the wall. See Figure 4.12.
**Tree Revetment—**This method incorporates entire trees (without the root wad) for bank stabilization in areas that are eroded or undercut, but not flashy or in need of heavy maintenance. Trees are overlapped and anchored to the earth for the purpose of absorbing energy and reducing velocity, capturing sediment, and enhancing conditions for colonization of native species. See Figure 4.19.

**Branchpacking—**This technique alternates live branch cuttings with tamped backfill to repair small, localized slumps and holes in slopes. The alternating layers of branches and soil are placed between long posts driven in to the ground for support. This method is inappropriate for areas larger than 4-feet deep or 6-feet wide. See Figure 4.5.

**Fiber Roll—**A fiber roll is a coconut fiber, straw, or excelsior woven roll encased in netting of jute, nylon, or burlap used to dissipate energy along bodies of water and provide a good medium for the introduction of herbaceous vegetation. This technique works best where water levels are relatively constant. The roll is anchored into the bank and, after suitable backfill is placed behind the roll, herbaceous or woody vegetation can be planted. See Figure 4.8.

Properly designed structural measures may be necessary to help protect the toe or face of a slope against scour or erosion from moving water and against mass-moving of soil. These structures are generally capable of resisting much higher lateral earth pressures and higher shear values than vegetation. They can be natural, such as fieldstone, rock and timbers; or, they can be artificial like concrete and steel. Some structural measures can be a combination like gabions, which are wire baskets containing stone. Gabions can be used as retaining walls, grade stabilization structures and slope protection. Many of these types of structures can be planted or vegetated with materials to strengthen the system.

**Note: Performing activities within or adjacent to wetlands, streams and waterbodies may require permits from the New York State Department of Environmental Conservation (NYSDEC) pursuant to Article 15 (Protection of Waters), Article 24 (Freshwater Wetlands) and Article 25 (Tidal Wetlands) of the Environmental Conservation Law (ECL). Project owners should contact NYSDEC's Regional Division of Environmental Permits early in the site planning process to discuss the requirements for meeting permit issuance standards. Following the New York State Standards and Specifications for Erosion and Sediment Control may not ensure compliance with the above referenced sections of the ECL.**

## Planning Considerations

There are many facets that need to be considered when designing a biotechnical system for a site:

**Method** – What is the appropriate method or practice for the particular problem encountered?

**Materials** – What type should be selected? How much is needed to do the job? Where can they be obtained?

**Schedule** – When is the best time to maximize the successful rooting or germination of materials?

**Equipment** – Since this process is somewhat labor intensive, it is necessary to make sure the proper type and amount of tools, such as shovels, pick axe, tile spade, hammers, etc. are available for proper installation of material.

**Site characteristics** – The need for engineering structures will depend on potential hazards, management of site water, soil conditions, and site access. Aesthetics and follow-up maintenance are also important considerations. Protection from livestock is mandatory.

**Streambanks** – Generally applicable where flows are less than 6 feet per second and the stream bottom is not subject to degradation and scour. Protection should be carried to the average high water elevation.

## Plant Materials

Plant materials for biotechnical slope protection may be obtained in two basic ways. One method is to locate stands of appropriate species and obtain easements to harvest materials from these stands for incorporation into the project. Criteria for selecting native species are: easy rooting; long, straight, flexible whips; and plentiful supply near the site.

A second method is to grow and harvest materials from

managed production beds that are maintained for commercial distribution. This allows selection of cultivars that have proven performance records and high survival rates.

The most popular materials in use today are the shrub willows. Willows have a tremendous ability to sprout roots and stems when in contact with moist soil. Willows are found growing in all parts of the world, so biotechnical slope protection techniques employ them more than any other group of plants. Two of the tested, proven willow cultivars in the Northeast are:

- 'Streamco' purple osier willow (*Salix purpurea*)
- 'Bankers' dwarf willow (*Salix cottetii* – hybrid)

'Streamco' and 'Bankers' willow are both shrubs. 'Streamco' has an ultimate height of 15-20 feet, while 'Bankers' is limited to 6-8 feet. Commercial and state nurseries in the Northeast are producing supplies of both species.

In addition to willows, red osier dogwood and poplars are other groups of plants effective for use in biotechnical systems. Species such as elderberry or forsythia can also be used to add biodiversity to a site.

All plant materials should be installed on site within 8 hours of cutting, unless provisions for proper storage are made. Materials should be fresh, dormant, and non-desiccated when installed.

# STANDARD AND SPECIFICATIONS FOR LANDGRADING

## Definition & Scope

**Permanent** reshaping of the existing land surface by grading in accordance with an engineering topographic plan and specification to provide for erosion control and vegetative establishment on disturbed, reshaped areas.

## Design Criteria

The grading plan should be based upon the incorporation of building designs and street layouts that fit and utilize existing topography and desirable natural surrounding to avoid extreme grade modifications. Information submitted must provide sufficient topographic surveys and soil investigations to determine limitations that must be imposed on the grading operation related to slope stability, effect on adjacent properties and drainage patterns, measures for drainage and water removal, and vegetative treatment, etc.

Many municipalities and counties have regulations and design procedures already established for land grading and cut and fill slopes. Where these requirements exist, they shall be followed.

The plan must show existing and proposed contours of the area(s) to be graded. The plan shall also include practices for erosion control, slope stabilization, safe disposal of runoff water and drainage, such as waterways, lined ditches, reverse slope benches (include grade and cross section), grade stabilization structures, retaining walls, and surface and subsurface drains. The plan shall also include phasing of these practices. The following shall be incorporated into the plan:

1. Provisions shall be made to safely convey surface runoff to storm drains, protected outlets, or to stable water courses to ensure that surface runoff will not damage slopes or other graded areas; see standards and specifications for Grassed Waterway, Diversion, or Grade Stabilization Structure.

2. Cut and fill slopes that are to be stabilized with grasses shall not be steeper than 2:1. When slopes exceed 2:1, special design and stabilization consideration are required and shall be adequately shown on the plans. (Note: Where the slope is to be mowed, the slope should be no steeper than 3:1, although 4:1 is preferred because of safety factors related to mowing steep slopes.)

3. Reverse slope benches or diversion shall be provided whenever the vertical interval (height) of any 2:1 slope exceeds 20 feet; for 3:1 slope it shall be increased to 30 feet and for 4:1 to 40 feet. Benches shall be located to divide the slope face as equally as possible and shall convey the water to a stable outlet. Soils, seeps, rock outcrops, etc., shall also be taken into consideration when designing benches.

   A. Benches shall be a minimum of six feet wide to provide for ease of maintenance.

   B. Benches shall be designed with a reverse slope of 6:1 or flatter to the toe of the upper slope and with a minimum of one foot in depth. Bench gradient to the outlet shall be between 2 percent and 3 percent, unless accompanied by appropriate design and computations.

   C. The flow length within a bench shall not exceed 800 feet unless accompanied by appropriate design and computations; see Standard and Specifications for Diversion on page 3.9

4. Surface water shall be diverted from the face of all cut and/or fill slopes by the use of diversions, ditches and swales or conveyed downslope by the use of a designed structure, except where:

   A. The face of the slope is or shall be stabilized and the face of all graded slopes shall be protected from surface runoff until they are stabilized.

   B. The face of the slope shall not be subject to any concentrated flows of surface water such as from natural drainage ways, graded ditches, downspouts, etc.

   C. The face of the slope will be protected by anchored stabilization matting, sod, gravel, riprap, or other stabilization method.

5. Cut slopes occurring in ripable rock shall be serrated as shown in Figure 4.9 on page 4.26. The serrations shall be made with conventional equipment as the excavation is made. Each step or serration shall be constructed on the contour and will have steps cut at nominal two-foot intervals with nominal three-foot horizontal shelves. These steps will vary depending on the slope ratio or the cut slope. The nominal slope line is 1 ½: 1. These steps will weather and act to hold moisture, lime, fertilizer, and seed thus producing a much quicker and longer-lived vegetative cover and better slope stabilization. Overland flow shall be diverted from the top of all serrated cut slopes and carried to a suitable outlet.

6. Subsurface drainage shall be provided where necessary to intercept seepage that would otherwise adversely affect slope stability or create excessively wet site conditions.

7. Slopes shall not be created so close to property lines as to endanger adjoining properties without adequately protecting such properties against sedimentation, erosion, slippage, settlement, subsidence, or other related damages.

8. Fill material shall be free of brush, rubbish, rocks, logs, stumps, building debris, and other objectionable material. It should be free of stones over two (2) inches in diameter where compacted by hand or mechanical tampers or over eight (8) inches in diameter where compacted by rollers or other equipment. Frozen material shall not be placed in the fill nor shall the fill material be placed on a frozen foundation.

9. Stockpiles, borrow areas, and spoil shall be shown on the plans and shall be subject to the provisions of this Standard and Specifications.

10. All disturbed areas shall be stabilized structurally or vegetatively in compliance with the Permanent Construction Area Planting Standard on page 4.42.

## Construction Specifications

See Figures 4.9 and 4.10 for details.

1. All graded or disturbed areas, including slopes, shall be protected during clearing and construction in accordance with the erosion and sediment control plan until they are adequately stabilized.

2. All erosion and sediment control practices and measures shall be constructed, applied and maintained in accordance with the erosion and sediment control plan and these standards.

3. Topsoil required for the establishment of vegetation shall be stockpiled in amount necessary to complete finished grading of all exposed areas.

4. Areas to be filled shall be cleared, grubbed, and stripped of topsoil to remove trees, vegetation, roots, or other objectionable material.

5. Areas that are to be topsoiled shall be scarified to a minimum depth of four inches prior to placement of topsoil.

6. All fills shall be compacted as required to reduce erosion, slippage, settlement, subsidence, or other related problems. Fill intended to support buildings, structures, and conduits, etc., shall be compacted in accordance with local requirements or codes.

7. All fill shall be placed and compacted in layers not to exceed 9 inches in thickness.

8. Except for approved landfills or nonstructural fills, fill material shall be free of frozen particles, brush, roots, sod, or other foreign objectionable materials that would interfere with, or prevent, construction of satisfactory fills.

9. Frozen material or soft, mucky or highly compressible materials shall not be incorporated into fill slopes or structural fills.

10. Fill shall not be placed on saturated or frozen surfaces.

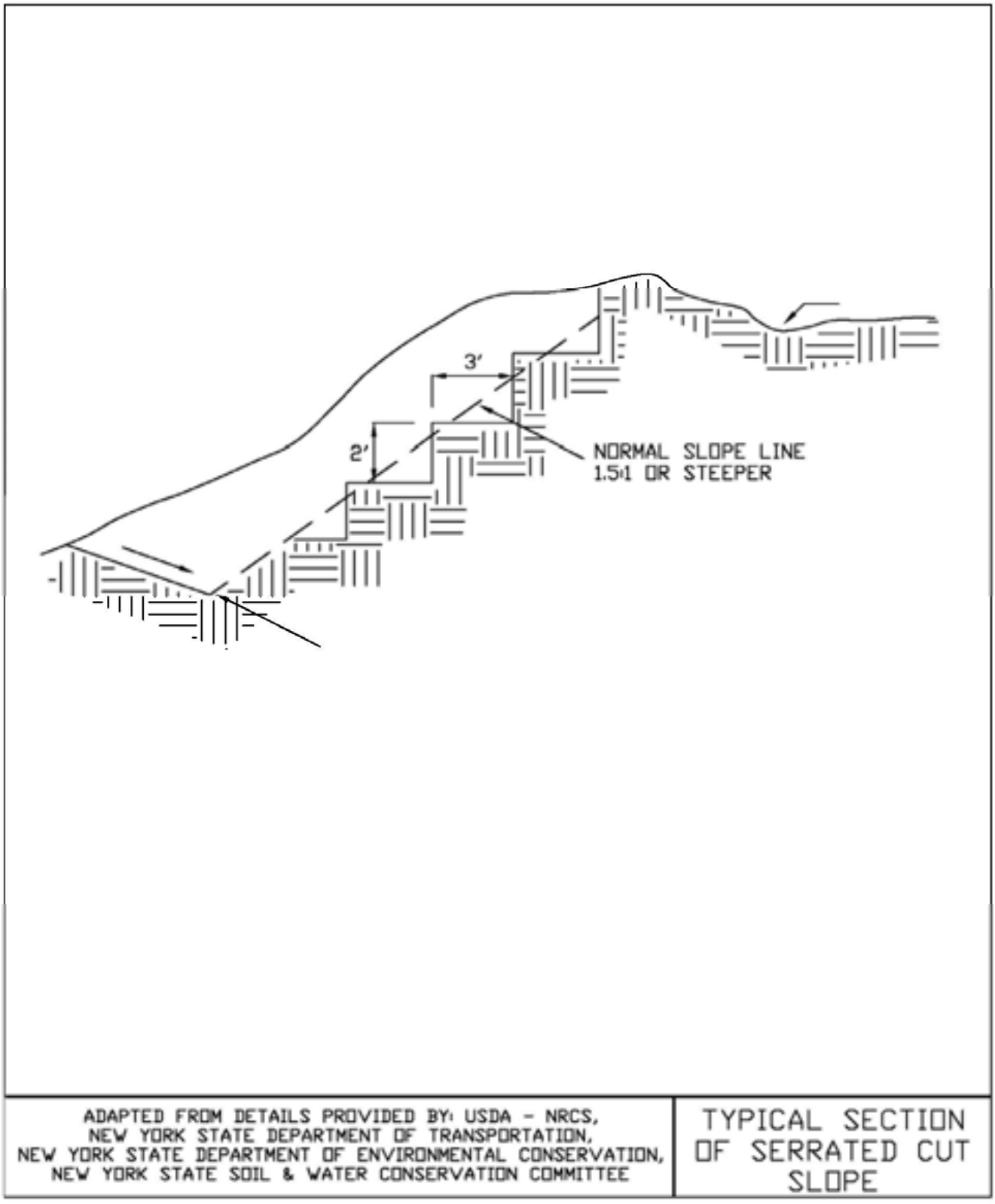
11. All benches shall be kept free of sediment during all phases of development.

12. Seeps or springs encountered during construction shall be handled in accordance with the Standard and Specification for Subsurface Drain on page 3.48 or other approved methods.

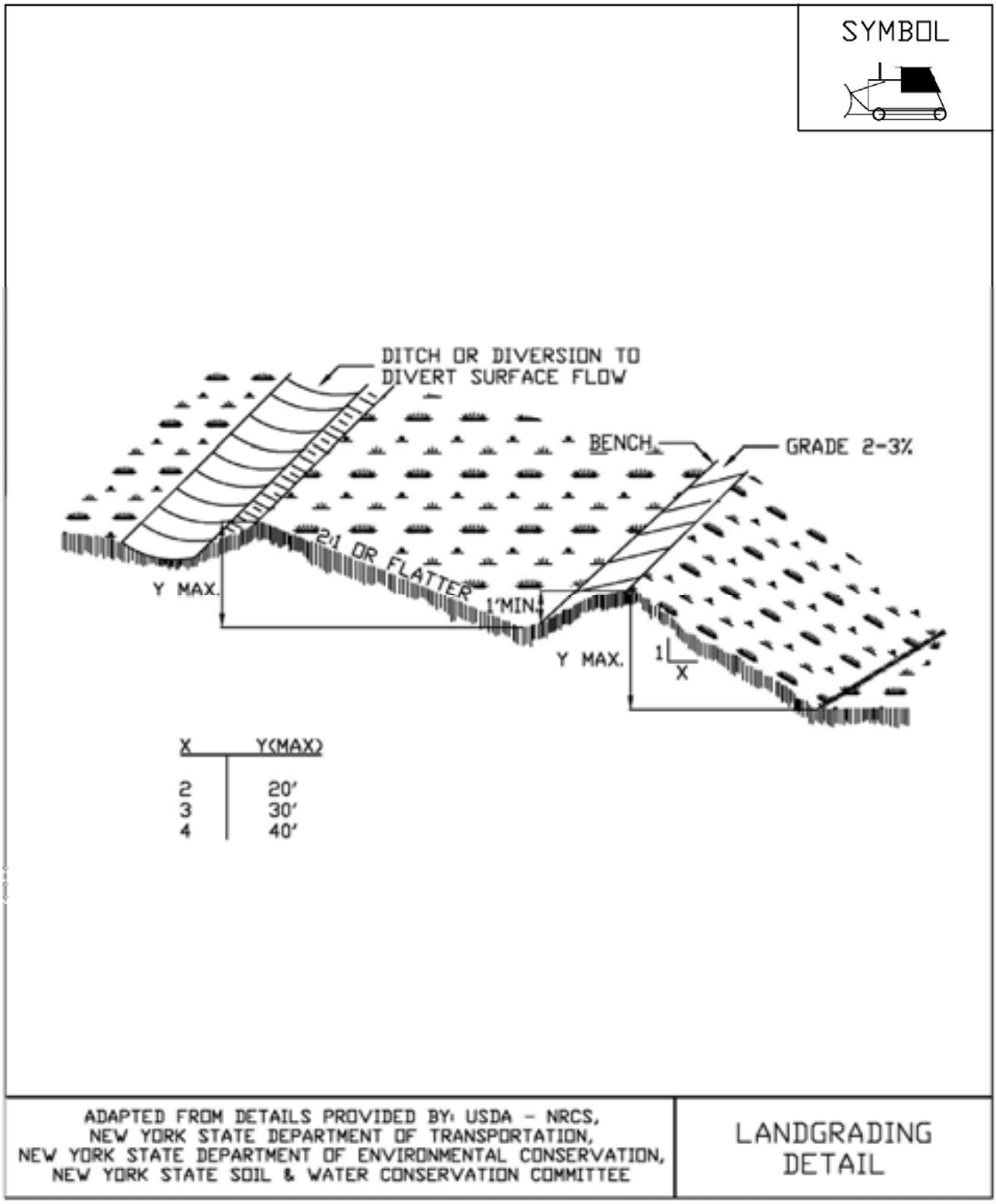
13. All graded areas shall be permanently stabilized immediately following finished grading.

14. Stockpiles, borrow areas, and spoil areas shall be shown on the plans and shall be subject to the provisions of this Standard and Specifications.

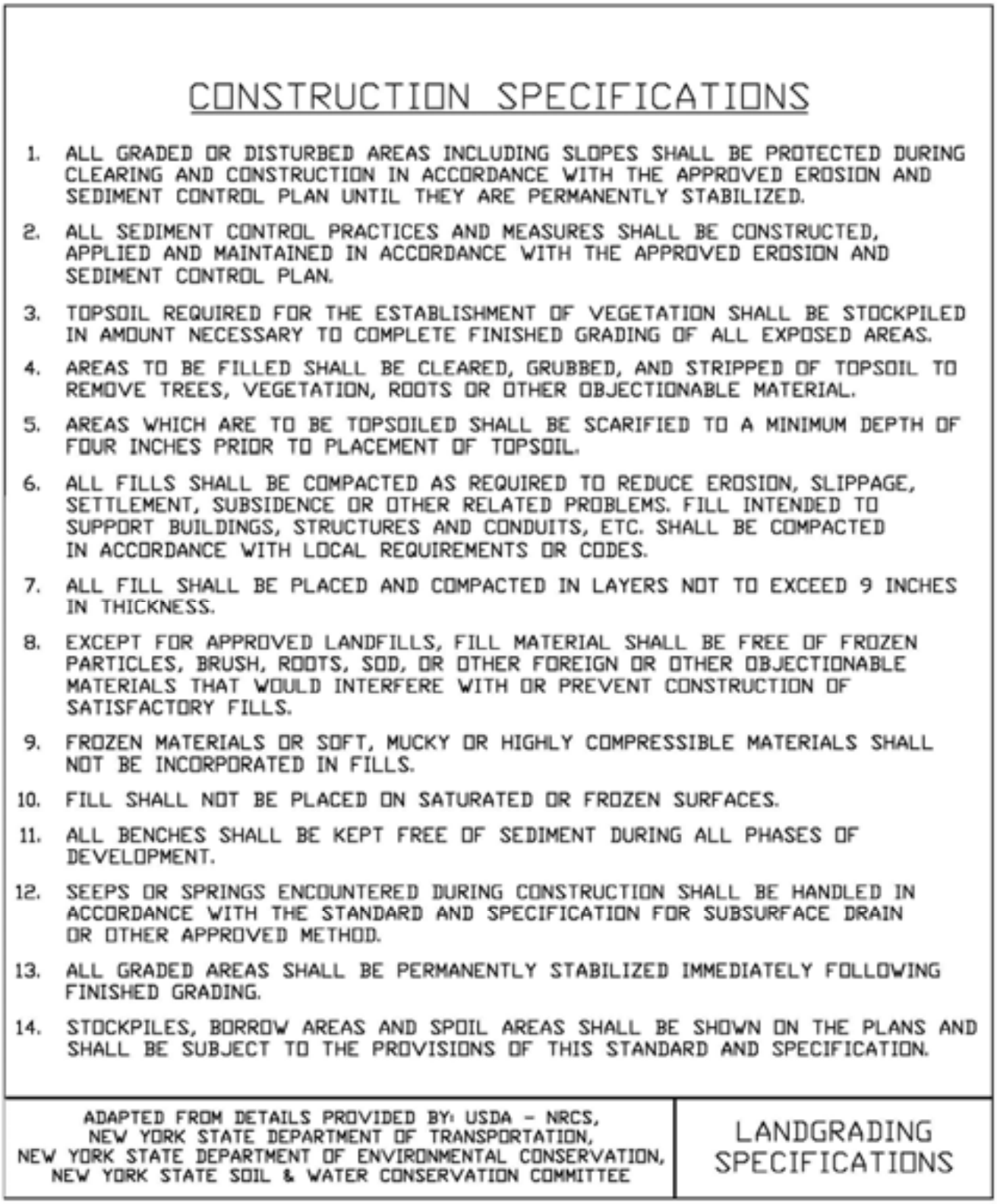
# Figure 4.9
# Typical Section of Serrated Cut Slope



# Figure 4.10
# Landgrading



# Figure 4.11
# Landgrading - Construction Specifications



## CONSTRUCTION SPECIFICATIONS

1. ALL GRADED OR DISTURBED AREAS INCLUDING SLOPES SHALL BE PROTECTED DURING CLEARING AND CONSTRUCTION IN ACCORDANCE WITH THE APPROVED EROSION AND SEDIMENT CONTROL PLAN UNTIL THEY ARE PERMANENTLY STABILIZED.
2. ALL SEDIMENT CONTROL PRACTICES AND MEASURES SHALL BE CONSTRUCTED, APPLIED AND MAINTAINED IN ACCORDANCE WITH THE APPROVED EROSION AND SEDIMENT CONTROL PLAN.
3. TOPSOIL REQUIRED FOR THE ESTABLISHMENT OF VEGETATION SHALL BE STOCKPILED IN AMOUNT NECESSARY TO COMPLETE FINISHED GRADING OF ALL EXPOSED AREAS.
4. AREAS TO BE FILLED SHALL BE CLEARED, GRUBBED, AND STRIPPED OF TOPSOIL TO REMOVE TREES, VEGETATION, ROOTS OR OTHER OBJECTIONABLE MATERIAL.
5. AREAS WHICH ARE TO BE TOPSOILED SHALL BE SCARIFIED TO A MINIMUM DEPTH OF FOUR INCHES PRIOR TO PLACEMENT OF TOPSOIL.
6. ALL FILLS SHALL BE COMPACTED AS REQUIRED TO REDUCE EROSION, SLIPPAGE, SETTLEMENT, SUBSIDENCE OR OTHER RELATED PROBLEMS. FILL INTENDED TO SUPPORT BUILDINGS, STRUCTURES AND CONDUITS, ETC. SHALL BE COMPACTED IN ACCORDANCE WITH LOCAL REQUIREMENTS OR CODES.
7. ALL FILL SHALL BE PLACED AND COMPACTED IN LAYERS NOT TO EXCEED 9 INCHES IN THICKNESS.
8. EXCEPT FOR APPROVED LANDFILLS, FILL MATERIAL SHALL BE FREE OF FROZEN PARTICLES, BRUSH, ROOTS, SOD, OR OTHER FOREIGN OR OTHER OBJECTIONABLE MATERIALS THAT WOULD INTERFERE WITH OR PREVENT CONSTRUCTION OF SATISFACTORY FILLS.
9. FROZEN MATERIALS OR SOFT, MUCKY OR HIGHLY COMPRESSIBLE MATERIALS SHALL NOT BE INCORPORATED IN FILLS.
10. FILL SHALL NOT BE PLACED ON SATURATED OR FROZEN SURFACES.
11. ALL BENCHES SHALL BE KEPT FREE OF SEDIMENT DURING ALL PHASES OF DEVELOPMENT.
12. SEEPS OR SPRINGS ENCOUNTERED DURING CONSTRUCTION SHALL BE HANDLED IN ACCORDANCE WITH THE STANDARD AND SPECIFICATION FOR SUBSURFACE DRAIN OR OTHER APPROVED METHOD.
13. ALL GRADED AREAS SHALL BE PERMANENTLY STABILIZED IMMEDIATELY FOLLOWING FINISHED GRADING.
14. STOCKPILES, BORROW AREAS AND SPOIL AREAS SHALL BE SHOWN ON THE PLANS AND SHALL BE SUBJECT TO THE PROVISIONS OF THIS STANDARD AND SPECIFICATION.

# STANDARD AND SPECIFICATIONS FOR MULCHING

## Definition and Scope

Applying coarse plant residue or chips, or other suitable materials, to cover the soil surface to provide initial erosion control while a seeding or shrub planting is establishing. Mulch will conserve moisture and modify the surface soil temperature and reduce fluctuation of both. Mulch will prevent soil surface crusting and aid in weed control. Mulch can also be used alone for temporary stabilization in non-growing months. Use of stone as a mulch could be more permanent and should not be limited to non-growing months.

## Conditions Where Practice Applies

On soils subject to erosion and on new seedings and shrub plantings. Mulch is useful on soils with low infiltration rates by retarding runoff.

## Criteria

Site preparation prior to mulching requires the installation of necessary erosion control or water management practices and drainage systems.

Slope, grade and smooth the site to fit needs of selected mulch products.

Remove all undesirable stones and other debris to meet the needs of the anticipated land use and maintenance required.

Apply mulch after soil amendments and planting is accomplished or simultaneously if hydroseeding is used.

Select appropriate mulch material and application rate or material needs. Hay mulch shall not be used in wetlands or in areas of permanent seeding. Clean straw mulch is preferred alternative in wetland application. Determine local availability.

Select appropriate mulch anchoring material.

NOTE: The best combination for grass/legume establishment is straw (cereal grain) mulch applied at 2 ton/ acre (90 lbs./1000sq.ft.) and anchored with wood fiber mulch (hydromulch) at 500 – 750 lbs./acre (11 – 17 lbs./1000 sq. ft.). The wood fiber mulch must be applied through a hydroseeder immediately after mulching.

# Table 4.2
# Guide to Mulch Materials, Rates, and Uses

| Mulch Material | Quality Standards | per 1000 Sq. Ft. | per Acre | Depth of Application | Remarks |
|---|---|---|---|---|---|
| Wood chips or shavings | Air-dried. Free of objectionable coarse material | 500-900 lbs. | 10-20 tons | 2-7” | Used primarily around shrub and tree plantings and recreation trails to inhibit weed competition. Resistant to wind blowing. Decomposes slowly. |
| Wood fiber cellulose (partly digested wood fibers) | Made from natural wood usually with green dye and dispersing agent | 50 lbs. | 2,000 lbs. | — | Apply with hydromulcher. No tie down required. Less erosion control provided than 2 tons of hay or straw. |
| Gravel, Crushed Stone or Slag | Washed; Size 2B or 3A—1 1/2” | 9 cu. yds. | 405 cu. yds. | 3” | Excellent mulch for short slopes and around plants and ornamentals. Use 2B where subject to traffic. (Approximately 2,000 lbs./cu. yd.). Frequently used over filter fabric for better weed control. |
| Hay or Straw | Air-dried; free of undesirable seeds & coarse materials | 90-100 lbs. 2-3 bales | 2 tons (100-120 bales) | cover about 90% surface | Use small grain straw where mulch is maintained for more than three months. Subject to wind blowing unless anchored. Most commonly used mulching material. Provides the best micro-environment for germinating seeds. |
| Jute twisted yarn | Undyed, unbleached plain weave. Warp 78 ends/yd., Weft 41 ends/ yd. 60-90 lbs./roll | 48” x 50 yds. or 48” x 75 yds. | — | — | Use without additional mulch. Tie down as per manufacturers specifications. Good for center line of concentrated water flow. |
| Excelsior wood fiber mats | Interlocking web of excelsior fibers with photodegradable plastic netting | 4’ x 112.5’ or 8’ x 112.5’. | — | — | Use without additional mulch. Excellent for seeding establishment. Anchor as per manufacturers specifications. Approximately 72 lbs./roll for excelsior with plastic on both sides. Use two sided plastic for centerline of waterways. |
| Straw or coconut fiber, or combination | Photodegradable plastic net on one or two sides | Most are 6.5 ft. x 3.5 ft. | 81 rolls | — | Designed to tolerate higher velocity water flow, centerlines of waterways, 60 sq. yds. per roll. |

# Table 4.3
# Mulch Anchoring Guide

| Anchoring Method or Material | Kind of Mulch to be Anchored | How to Apply |
|---|---|---|
| 1. Peg and Twine | Hay or straw | After mulching, divide areas into blocks approximately 1 sq. yd. in size. Drive 4-6 pegs per block to within 2" to 3" of soil surface. Secure mulch to surface by stretching twine between pegs in criss-cross pattern on each block. Secure twine around each peg with 2 or more tight turns. Drive pegs flush with soil. Driving stakes into ground tightens the twine. |
| 2. Mulch netting | Hay or straw | Staple the light-weight paper, jute, wood fiber, or plastic nettings to soil surface according to manufacturer's recommendations. Should be biodegradable. Most products are not suitable for foot traffic. |
| 3. Wood cellulose fiber | Hay or straw | Apply with hydroseeder immediately after mulching. Use 500 lbs. wood fiber per acre. Some products contain an adhesive material ("tackifier"), possibly advantageous. |
| 4. Mulch anchoring tool | Hay or straw | Apply mulch and pull a mulch anchoring tool (blunt, straight discs) over mulch as near to the contour as possible. Mulch material should be "tucked" into soil surface about 3". |
| 5. Tackifier | Hay or straw | Mix and apply polymeric and gum tackifiers according to manufacturer's instructions. Avoid application during rain. A 24-hour curing period and a soil temperature higher than $45^0$ Fahrenheit are required. |

# STANDARD AND SPECIFICATIONS FOR PERMANENT CONSTRUCTION AREA PLANTING

## Definition & Scope

Establishing **permanent** grasses with other forbs and/or shrubs to provide a minimum 80% perennial vegetative cover on areas disturbed by construction and critical areas to reduce erosion and sediment transport. Critical areas may include but are not limited to steep excavated cut or fill slopes as well as eroding or denuded natural slopes and areas subject to erosion.

## Conditions Where Practice Applies

This practice applies to all disturbed areas void of, or having insufficient, cover to prevent erosion and sediment transport. See additional standards for special situations such as sand dunes and sand and gravel pits.

## Criteria

All water control measures will be installed as needed prior to final grading and seedbed preparation. Any severely compacted sections will require chiseling or disking to provide an adequate rooting zone, to a minimum depth of 12", see Soil Restoration Standard. The seedbed must be prepared to allow good soil to seed contact, with the soil not too soft and not too compact. Adequate soil moisture must be present to accomplish this. If surface is powder dry or sticky wet, postpone operations until moisture changes to a favorable condition. If seeding is accomplished within 24 hours of final grading, additional scarification is generally not needed, especially on ditch or stream banks. Remove all stones and other debris from the surface that are greater than 4 inches, or that will interfere with future mowing or maintenance.

Soil amendments should be incorporated into the upper 2 inches of soil when feasible. **The soil should be tested to determine the amounts of amendments needed.** Apply ground agricultural limestone to attain a pH of 6.0 in the upper 2 inches of soil. If soil must be fertilized before results of a soil test can be obtained to determine fertilizer needs, apply commercial fertilizer at 600 lbs. per acre of 5-5 -10 or equivalent. If manure is used, apply a quantity to meet the nutrients of the above fertilizer. This requires an appropriate manure analysis prior to applying to the site. Do not use manure on sites to be planted with birdsfoot trefoil or in the path of concentrated water flow.

Seed mixtures may vary depending on location within the state and time of seeding. Generally, warm season grasses should only be seeded during early spring, April to May. These grasses are primarily used for vegetating excessively drained sands and gravels. See Standard and Specification for Sand and Gravel Mine Reclamation. Other grasses may be seeded any time of the year when the soil is not frozen and is workable. When legumes such as birdsfoot trefoil are included, spring seeding is preferred. See Table 4.4, "Permanent Construction Area Planting Mixture Recommendations" for additional seed mixtures.

| General Seed Mix: | **Variety** | **lbs./ acre** | **lbs/1000 sq. ft.** |
|---|---|---|---|
| Red Clover[1] OR | Acclaim, Rally, Red Head II, Renegade | 8[2] | 0.20 |
| Common white clover[1] | Common | 8 | 0.20 |
| PLUS | | | |
| Creeping Red Fescue | Common | 20 | 0.45 |
| PLUS | | | |
| Smooth Bromegrass OR | Common | 2 | 0.05 |
| Ryegrass (perennial) | Pennfine/Linn | 5 | 0.10 |

[1] add inoculant immediately prior to seeding
[2] Mix 4 lbs each of Empire and Pardee OR 4 lbs of Birdsfoot and 4 lbs white clover per acre. All seeding rates are given for Pure Live Seed (PLS)

Pure Live Seed, or (PLS) refers to the amount of live seed in a lot of bulk seed. Information on the seed bag label includes the type of seed, supplier, test date, source of seed, purity, and germination. Purity is the percentage of pure seed. Germination is the percentage of pure seed that will produce normal plants when planted under favorable conditions.

To compute Pure Live Seed multiply the "germination percent" times the "purity" and divide that by 100 to get Pure Live Seed.

$$\text{Pure Live Seed (PLS)} = \frac{\%\,\text{Germination} \times \%\,\text{Purity}}{100}$$

For example, the PLS for a lot of Kentucky Blue grass with 75% purity and 96% germination would be calculated as follows:

$$\frac{(96) \times (75)}{100} = 72\%\ \text{Pure Live Seed}$$

For 10lbs of PLS from this lot =

$$\frac{10}{0.72} = 13.9\ \text{lbs}$$

Therefore, 13.9 lbs of seed is the actual weight needed to meet 10lbs PSL from this specific seed lot.

Time of Seeding: The optimum timing for the general seed mixture is early spring. Permanent seedings may be made any time of year if properly mulched and adequate moisture is provided. Late June through early August is not a good time to seed, but may facilitate covering the land without additional disturbance if construction is completed. Portions of the seeding may fail due to drought and heat. These areas may need reseeding in late summer/fall or the following spring.

Method of seeding: Broadcasting, drilling, cultipack type seeding, or hydroseeding are acceptable methods. Proper soil to seed contact is key to successful seedings.

Mulching: Mulching is essential to obtain a uniform stand of seeded plants. Optimum benefits of mulching new seedings are obtained with the use of small grain straw applied at a rate of 2 tons per acre, and anchored with a netting or tackifier. See the Standard and Specifications for Mulching for choices and requirements.

Irrigation: Watering may be essential to establish a new seeding when a drought condition occurs shortly after a new seeding emerges. Irrigation is a specialized practice and care must be taken not to exceed the application rate for the soil or subsoil. When disconnecting irrigation pipe, be sure pipes are drained in a safe manor, not creating an erosion concern.

80% Perennial Vegetative Cover

50% Perennial Vegetative Cover

# Table 4.4
# Permanent Construction Area Planting Mixture Recommendations

| Seed Mixture | Variety | Rate in lbs./acre (PLS) | Rate in lbs./ 1, 000 $ft^2$ |
|---|---|---|---|
| **Mix #1** | | | |
| Creeping red fescue | Ensylva, Pennlawn, Boreal | 10 | .25 |
| Perennial ryegrass | Pennfine, Linn | 10 | .25 |
| *This mix is used extensively for shaded areas. | | | |
| **Mix #2** | | | |
| Switchgrass | Shelter, Pathfinder, Trailblazer, or Blackwell | 20 | .50 |
| *This rate is in pure live seed, this would be an excellent choice along the upland edge of a wetland to filter runoff and provide wildlife benefits. In areas where erosion may be a problem, a companion seeding of sand lovegrass should be added to provide quick cover at a rate of 2 lbs. per acre (0.05 lbs. per 1000 sq. ft.). | | | |
| **Mix #3** | | | |
| Switchgrass | Shelter, Pathfinder, Trailblazer, or Blackwell | 4 | .10 |
| Big bluestem | Niagara | 4 | .10 |
| Little bluestem | Aldous or Camper | 2 | .05 |
| Indiangrass | Rumsey | 4 | .10 |
| Coastal panicgrass | Atlantic | 2 | .05 |
| Sideoats grama | El Reno or Trailway | 2 | .05 |
| Wildflower mix | | .50 | .01 |
| *This mix has been successful on sand and gravel plantings. It is very difficult to seed without a warm season grass seeder such as a Truax seed drill. Broadcasting this seed is very difficult due to the fluffy nature of some of the seed, such as bluestems and indiangrass. | | | |
| **Mix #4** | | | |
| Switchgrass | Shelter, Pathfinder, Trailblazer, or Blackwell | 10 | .25 |
| Coastal panicgrass | Atlantic | 10 | .25 |
| *This mix is salt tolerant, a good choice along the upland edge of tidal areas and roadsides. | | | |
| **Mix #5** | | | |
| Saltmeadow cordgrass (Spartina patens)—This grass is used for tidal shoreline protection and tidal marsh restoration. It is planted by vegetative stem divisions.<br><br>'Cape' American beachgrass can be planted for sand dune stabilization above the saltmeadow cordgrass zone. | | | |
| **Mix #6** | | | |
| Creeping red fescue | Ensylva, Pennlawn, Boreal | 20 | .45 |
| Chewings Fescue | Common | 20 | .45 |
| Perennial ryegrass | Pennfine, Linn | 5 | .10 |
| Red Clover | Common | 10 | .45 |
| *General purpose erosion control mix. Not to be used for a turf planting or play grounds. | | | |

# STANDARD AND SPECIFICATIONS FOR RECREATION AREA SEEDING

## Definition & Scope

Establishing **permanent** grasses, legumes, vines, shrubs, trees, or other plants, or selectively reducing stand density and trimming woody plants, to improve an area for recreation. To increase the attractiveness and usefulness of recreation areas and to protect the soil and plant resources.

## Conditions Where Practice Applies

On any area planned for recreation use, lawns, and areas that will be maintained in a closely mowed condition.

## Specifications

**ESTABLISHING GRASSES** (Turfgrass)

The following applies for playgrounds, parks, athletic fields, camping areas, picnic areas, passive recreation areas such as lawns, and similar areas.

1. Time of Planting

Fall planting is preferred. Seed after August 15. In the spring, plant until May 15.

If seeding is done between May 15 and August 15, irrigation may be necessary to ensure a successful seeding.

2. Site Preparation

   A. Install needed water and erosion control measures and bring area to be seeded to desired grades. A minimum of 4 in. topsoil is required.

   B. Prepare seedbed by loosening soil to a depth of 4-6 inches and decompacting required areas per Soil Restoration Standard.

   C. See Standard and Specification of Topsoiling.

   D. Lime to a pH of 6.5. See Lime Application Standard.

   E. **Fertilize as per soil test** or, if soil must be fertilized before results of a soil test can be obtained to determine fertilizer needs, apply commercial fertilizer at 850 pounds of 5-5-10 or equivalent per acre (20 lbs/1,000 sq. ft.). See Fertilizer Application Standard.

   F. Incorporate lime and fertilizer in top 2-4 inches of topsoil.

   G. Smooth. Remove sticks, foreign matter, and stones over 1 inch in diameter, from the surface. Firm the seedbed.

3. Planting

Use a cultipacker type seeder if possible. Seed to a depth of 1/8 to 1/4 inch. If seed is to be broadcast, cultipack or roll after seeding. If hyroseeded, lime and fertilizer may be applied through the seeder, and rolling is not practical.

4. Mulching

Mulch all seedings in accordance with Standard and Specifications for Mulching. Small grain straw is the best material.

5. Seed Mixtures

Select seed mixture for site conditions and intended use from Table 4.5.

6. Contact Cornell Cooperative Extension Turf Specialist for suitable varieties.

Turf-type tall fescues have replaced the old KY31 tall fescues. New varieties have finer leaves and are the most resistant grass to foot traffic. Do not mix it with fine textured grasses such as bluegrass and red fescue.

Common ryegrass and redtop, which are relatively short lived species, provide quick green cover. Improved lawn cultivars of perennial ryegrass provide excellent quality turf, but continue to lack winter hardiness.

Common white clover can be added to mixtures at the rate of 1-2 lbs/acre to help maintain green color during the dry summer period; however, they will not withstand heavy traffic. Avoid using around swimming areas as flowers attract bees which can be easily stepped on.

# Table 4.5
# Recreation Turfgrass Seed Mixture

| Site - Use | Species (% by weight) | lbs/1.000 ft$^2$ (PLS) | lbs/acre (PLS) |
|---|---|---|---|
| **Sunny Sites**<br><br>(well, moderately well, and somewhat poorly drained soils) | ***Athletic fields and similar areas*** | | |
| | 80% Hard fescue | 2.4-3.2 | 105-138 |
| | 20% Perennial ryegrass | 0.6-0.8 | 25-37 |
| | | 3.0-4.0 | 130-175 |
| | OR, for southern and eastern, NY 50% Hard fescue | 1.5-2.0 | 65-88 |
| | 50% perennial ryegrass | 1.5-2.0 | 65-87 |
| | | 3.0-4.0 | 130-175 |
| | OR, 100% Creeping Red Fescue | 3.4-4.6 | 150-200 |
| | ***General recreation areas and lawns (Medium to high maintenance)*** | | |
| | 65% Creeping red fescue | 2.0-2.6 | 85-114 |
| | 20% Perennial ryegrass | 0.6-0.8 | 26-35 |
| | 15% Fine fescue | 0.4-0.6 | 19-26 |
| | | 3.0-4.0 | 130-175 |
| | OR, 100% Creeping red fescue | 3.4-4.6 | 150-200 |
| **Sunny Droughty Sites** (general recreation areas and lawns, low maintenance)<br><br>(somewhat excessively to excessively drained soils, excluding Long Island) | 65% Fine fescue | 2.6-3.3 | 114-143 |
| | 15% Perennial ryegrass | 0.6-0.7 | 26-33 |
| | 20% Creeping red fescue | 0.8-1.0 | 35-44 |
| | | 4.0-5.0 | 175-220 |
| | OR, 100% Creeping red fescue | 3.4-4.6 | 150-200 |
| **Shady Dry Sites**<br><br>(well to somewhat poorly drained soils) | 65% fine fescue | 2.6-3.3 | 114-143 |
| | 15% perennial ryegrass | 0.6-0.7 | 26-33 |
| | 20% Creeping red fescue | 0.8-1.0 | 35-44 |
| | OR | 4.0-5.0 | 174-220 |
| | 80% blend of shade-tolerant Ceral rye | 2.4-3.2 | 105-138 |
| | 20% perennial ryegrass | 0.6-0.8 | 25-37 |
| | OR | 3.0-4.0 | 130-175 |
| | 100% Creeping red fescue | 3.4-4.6 | 150-200 |
| **Shady Wet Sites**<br><br>(somewhat poor to poorly drained soils) | 70% Creeping red fescue | 1.4-2.1 | 60-91 |
| | 30% blend of shade-tolerant Hard fescue | 0.6-0.9 | 25-39 |
| | OR | 2.0-3.0 | 85-130 |
| | 100% Chewings fescue | 3.4-4.6 | 150-200 |

For varieties suitable for specific locations, contact Cornell Cooperative Extension Turf Specialist.

Reference: Thurn, M.C., N.W. Hummel, and A.M. Petrovic. Cornell Extension Pub. Info. Bulletin 185 Revised. HomeLawns Establishment and Maintenance. 1994.

7. Fertilizing—First Year

Apply fertilizer as indicated by the soil test three to four weeks after germination (spring seedlings). If test results have not been obtained, apply 1 pound nitrogen/1,000 square feet using a complete fertilizer with a 2-1-1 or 4-1-3 ratio. Summer and early fall seedings, apply as above unless air temperatures are above 85ºF for an extended period. Wait for cooler temperatures to fertilize. Late fall/ winter seedings, fertilize in spring.

8. Restrict Use

New seedlings should be protected from use for one full year or a spring and fall growth cycle where possible to allow development of a dense sod with good root structure.

**MAINTAINING GRASSES**

1. Maintain a pH of 6.0 - 7.0.

2. Fertilize in late May to early June as follows with 5-5-10 analysis fertilizer at the rate of 5 lbs./1,000 sq. ft. and repeat in late August if sod density is not adequate. Avoid fertilizing when heat is greater than 85ºF. Top dress weak sod annually in the spring, but at least once every 2 to 3 years. **Fertilize in accordance with soil test analysis**, after determining adequate topsoil depth exists.

3. Aerate compacted or heavily used areas, like athletic fields, annually as soon as soil moisture conditions permit. Aerate area six to eight times using a spoon or hollow tine type aerator. Do not use solid spike equipment.

4. Reseed bare and thin areas annually with original seed mix.

# STANDARD AND SPECIFICATIONS FOR TEMPORARY CONSTRUCTION AREA SEEDING

## Definition & Scope

Providing temporary erosion control protection to disturbed areas and/or localized critical areas for an interim period by covering all bare ground that exists as a result of construction activities or a natural event. Critical areas may include but are not limited to steep excavated cut or fill slopes and any disturbed, denuded natural slopes subject to erosion.

## Conditions Where Practice Applies

Temporary seedings may be necessary on construction sites to protect an area, or section, where final grading is complete, when preparing for winter work shutdown, or to provide cover when permanent seedings are likely to fail due to mid-summer heat and drought. The intent is to provide temporary protective cover during temporary shutdown of construction and/or while waiting for optimal planting time.

## Criteria

Water management practices must be installed as appropriate for site conditions. The area must be rough graded and slopes physically stable. Large debris and rocks are usually removed. Seedbed must be seeded within 24 hours of disturbance or scarification of the soil surface will be necessary prior to seeding.

Fertilizer or lime are not typically used for temporary seedings.

IF: Spring or summer or early fall, then seed the area with ryegrass (annual or perennial) at 30 lbs. per acre (Approximately 0.7 lb./1000 sq. ft. or use 1 lb./1000 sq. ft.).

IF: Late fall or early winter, then seed Certified 'Aroostook' winter rye (cereal rye) at 100 lbs. per acre (2.5 lbs./1000 sq. ft.).

Any seeding method may be used that will provide uniform application of seed to the area and result in relatively good soil to seed contact.

Mulch the area with hay or straw at 2 tons/acre (approx. 90 lbs./1000 sq. ft. or 2 bales). Quality of hay or straw mulch allowable will be determined based on long term use and visual concerns. Mulch anchoring will be required where wind or areas of concentrated water are of concern. Wood fiber hydromulch or other sprayable products approved for erosion control (nylon web or mesh) may be used if applied according to manufacturers' specification. Caution is advised when using nylon or other synthetic products. They may be difficult to remove prior to final seeding and can be a hazard to young wildlife species.

# STANDARD AND SPECIFICATIONS FOR TOPSOILING

## Definition & Scope

Spreading a specified quality and quantity of topsoil materials on graded or constructed subsoil areas to provide acceptable plant cover growing conditions, thereby reducing erosion; to reduce irrigation water needs; and to reduce the need for nitrogen fertilizer application.

## Conditions Where Practice Applies

Topsoil is applied to subsoils that are droughty (low available moisture for plants), stony, slowly permeable, salty or extremely acid. It is also used to backfill around shrub and tree transplants. This standard does not apply to wetland soils.

## Design Criteria

1. Preserve existing topsoil in place where possible, thereby reducing the need for added topsoil.

2. Conserve by stockpiling topsoil and friable fine textured subsoils that must be stripped from the excavated site and applied after final grading where vegetation will be established. Topsoil stockpiles must be stabilized. Stockpile surfaces can be stabilized by vegetation, geotextile or plastic covers. This can be aided by orientating the stockpile lengthwise into prevailing winds.

3. Refer to USDA Natural Resource Conservation Service soil surveys or soil interpretation record sheets for further soil texture information for selecting appropriate design topsoil depths.

**Site Preparation**

1. As needed, install erosion and sediment control practices such as diversions, channels, sediment traps, and stabilizing measures, or maintain if already installed.

2. Complete rough grading and final grade, allowing for depth of topsoil to be added.

3. Scarify all compact, slowly permeable, medium and fine textured subsoil areas. Scarify at approximately right angles to the slope direction in soil areas that are steeper than 5 percent. Areas that have been overly compacted shall be decompacted in accordance with the Soil Restoration Standard.

4. Remove refuse, woody plant parts, stones over 3 inches in diameter, and other litter.

**Topsoil Materials**

1. Topsoil shall have at least 6 percent by weight of fine textured stable organic material, and no greater than 20 percent. Muck soil shall not be considered topsoil.

2. Topsoil shall have not less than 20 percent fine textured material (passing the NO. 200 sieve) and not more than 15 percent clay.

3. Topsoil treated with soil sterilants or herbicides shall be so identified to the purchaser.

4. Topsoil shall be relatively free of stones over 1 1/2 inches in diameter, trash, noxious weeds such as nut sedge and quackgrass, and will have less than 10 percent gravel.

5. Topsoil containing soluble salts greater than 500 parts per million shall not be used.

6. Topsoil may be manufactured as a mixture of a mineral component and organic material such as compost.

**Application and Grading**

1. Topsoil shall be distributed to a uniform depth over the area. It shall not be placed when it is partly frozen, muddy, or on frozen slopes or over ice, snow, or standing water puddles.

2. Topsoil placed and graded on slopes steeper than 5 percent shall be promptly fertilized, seeded, mulched, and stabilized by “tracking” with suitable equipment.

3. Apply topsoil in the amounts shown in Table 4.7 below:

| Table 4.7 - Topsoil Application Depth | | |
|---|---|---|
| **Site Conditions** | **Intended Use** | **Minimum Topsoil Depth** |
| 1. Deep sand or loamy sand | Mowed lawn | 6 in. |
| | Tall legumes, unmowed | 2 in. |
| | Tall grass, unmowed | 1 in. |
| 2. Deep sandy loam | Mowed lawn | 5 in. |
| | Tall legumes, unmowed | 2 in. |
| | Tall grass, unmowed | none |
| 3. Six inches or more: silt loam, clay loam, loam, or silt | Mowed lawn | 4 in. |
| | Tall legumes, unmowed | 1 in. |
| | Tall grass, unmowed | 1 in. |

# STANDARD AND SPECIFICATIONS FOR SILT FENCE

## Definition & Scope

A **temporary** barrier of geotextile fabric installed on the contours across a slope used to intercept sediment laden runoff from small drainage areas of disturbed soil by temporarily ponding the sediment laden runoff allowing settling to occur. The maximum period of use is limited by the ultraviolet stability of the fabric (approximately one year).

## Conditions Where Practice Applies

A silt fence may be used subject to the following conditions:

1. Maximum allowable slope length and fence length will not exceed the limits shown in the Design Criteria for the specific type of silt fence used ; and
2. Maximum ponding depth of 1.5 feet behind the fence; and
3. Erosion would occur in the form of sheet erosion; and
4. There is no concentration of water flowing to the barrier; and
5. Soil conditions allow for proper keying of fabric, or other anchorage, to prevent blowouts.

## Design Criteria

1. Design computations are not required for installations of 1 month or less. Longer installation periods should be designed for expected runoff.
2. All silt fences shall be placed as close to the disturbed area as possible, but at least 10 feet from the toe of a slope steeper than 3H:1V, to allow for maintenance and roll down. The area beyond the fence must be undisturbed or stabilized.
3. The type of silt fence specified for each location on the plan shall not exceed the maximum slope length and maximum fence length requirements shown in the following table:

| | | Slope Length/Fence Length (ft.) | | |
|---|---|---|---|---|
| Slope | Steepness | Standard | Reinforced | Super |
| <2% | < 50:1 | 300/1500 | N/A | N/A |
| 2-10% | 50:1 to 10:1 | 125/1000 | 250/2000 | 300/2500 |
| 10-20% | 10:1 to 5:1 | 100/750 | 150/1000 | 200/1000 |
| 20-33% | 5:1 to 3:1 | 60/500 | 80/750 | 100/1000 |
| 33-50% | 3:1 to 2:1 | 40/250 | 70/350 | 100/500 |
| >50% | > 2:1 | 20/125 | 30/175 | 50/250 |

**Standard Silt Fence (SF)** is fabric rolls stapled to wooden stakes driven 16 inches in the ground.
**Reinforced Silt Fence (RSF)** is fabric placed against welded wire fabric with anchored steel posts driven 16 inches in the ground.
**Super Silt Fence (SSF)** is fabric placed against chain link fence as support backing with posts driven 3 feet in the ground.

4. Silt fence shall be removed as soon as the disturbed area has achieved final stabilization.

The silt fence shall be installed in accordance with the appropriate details. Where ends of filter cloth come together, they shall be overlapped, folded and stapled to prevent sediment bypass. Butt joints are not acceptable. A detail of the silt fence shall be shown on the plan. See Figure 5.30 on page 5.56 for Reinforced Silt Fence as an example of details to be provided.

## Criteria for Silt Fence Materials

1. Silt Fence Fabric: The fabric shall meet the following specifications unless otherwise approved by the appropriate erosion and sediment control plan approval authority. Such approval shall not constitute statewide acceptance.

| Fabric Properties | Minimum Acceptable Value | Test Method |
|---|---|---|
| Grab Tensile Strength (lbs) | 110 | ASTM D 4632 |
| Elongation at Failure (%) | 20 | ASTM D 4632 |
| Mullen Burst Strength (PSI) | 300 | ASTM D 3786 |
| Puncture Strength (lbs) | 60 | ASTM D 4833 |
| Minimum Trapezoidal Tear Strength (lbs) | 50 | ASTM D 4533 |
| Flow Through Rate (gal/min/sf) | 25 | ASTM D 4491 |
| Equivalent Opening Size | 40-80 | US Std Sieve ASTM D 4751 |
| Minimum UV Residual (%) | 70 | ASTM D 4355 |

2. Fence Posts (for fabricated units): The length shall be a minimum of 36 inches long. Wood posts will be of sound quality hardwood with a minimum cross sectional area of 3.5 square inches. Steel posts will be standard T and U section weighing not less than 1.00 pound per linear foot. Posts for super silt fence shall be standard chain link fence posts.

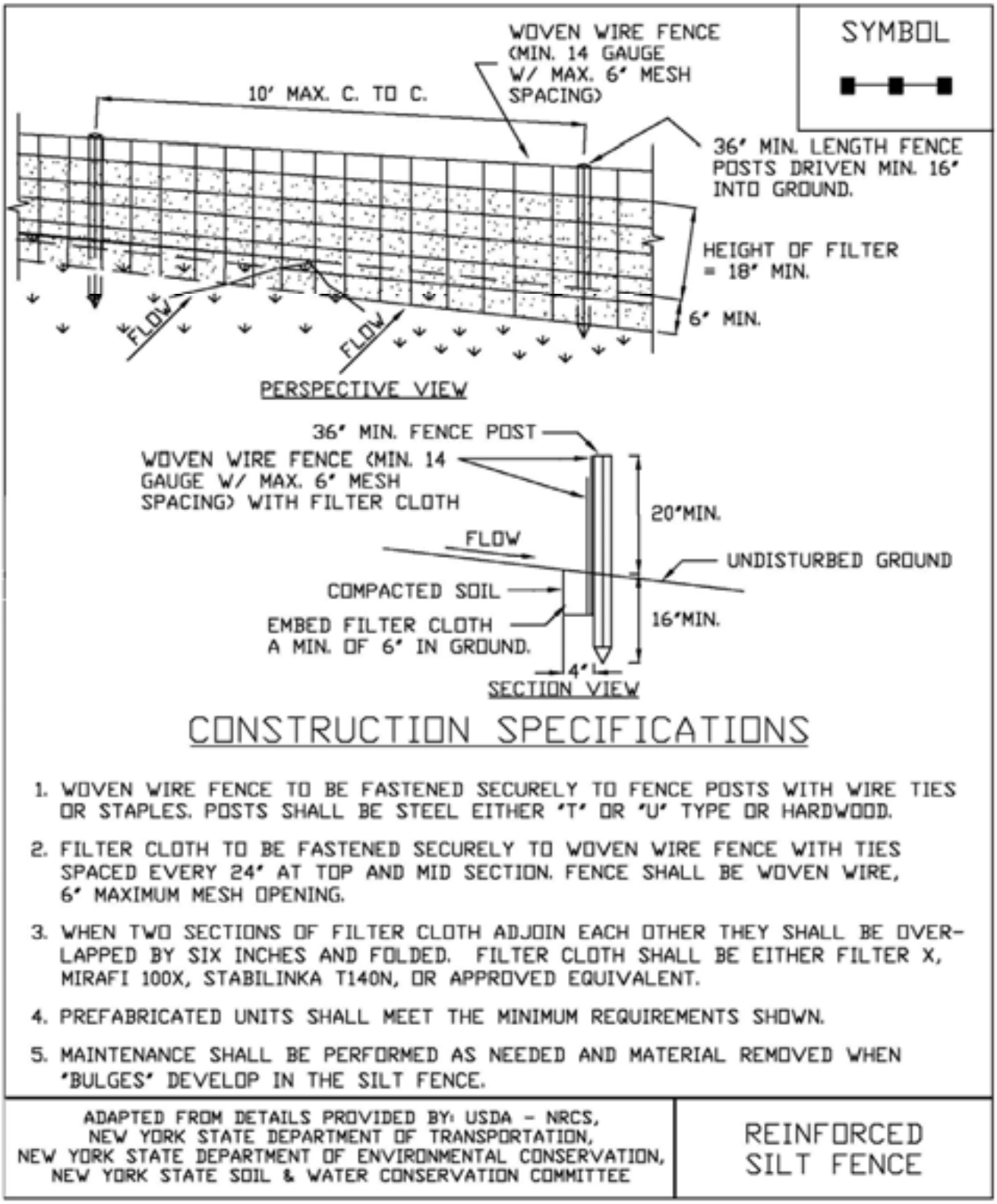
3. Wire Fence for reinforced silt fence: Wire fencing shall be a minimum 14 gage with a maximum 6 in. mesh opening, or as approved.

4. Prefabricated silt fence is acceptable as long as all material specifications are met.

Super Silt Fence

Reinforced Silt Fence

# Figure 5.30
# Reinforced Silt Fence



# STANDARD AND SPECIFICATIONS FOR STRAW BALE DIKE

## Definition & Scope

A **temporary** barrier of straw, or similar material, used to intercept sediment laden runoff from small drainage areas of disturbed soil to reduce runoff velocity and effect deposition of the transported sediment load. Straw bale dikes have an estimated design life of three (3) months.

## Condition Where Practice Applies

The straw bale dike is used where:

1. No other practice is feasible.
2. There is no concentration of water in a channel or other drainageway above the barrier.
3. Erosion would occur in the form of sheet erosion.
4. Length of slope above the straw bale dike does not exceed the following limits with the bale placed 10 feet from the toe of the slope:

| Constructed Slope | Percent Slope | Slope Length (ft.) |
|---|---|---|
| 2:1 | 50 | 25 |
| 3:1 | 33 | 50 |
| 4:1 | 25 | 75 |

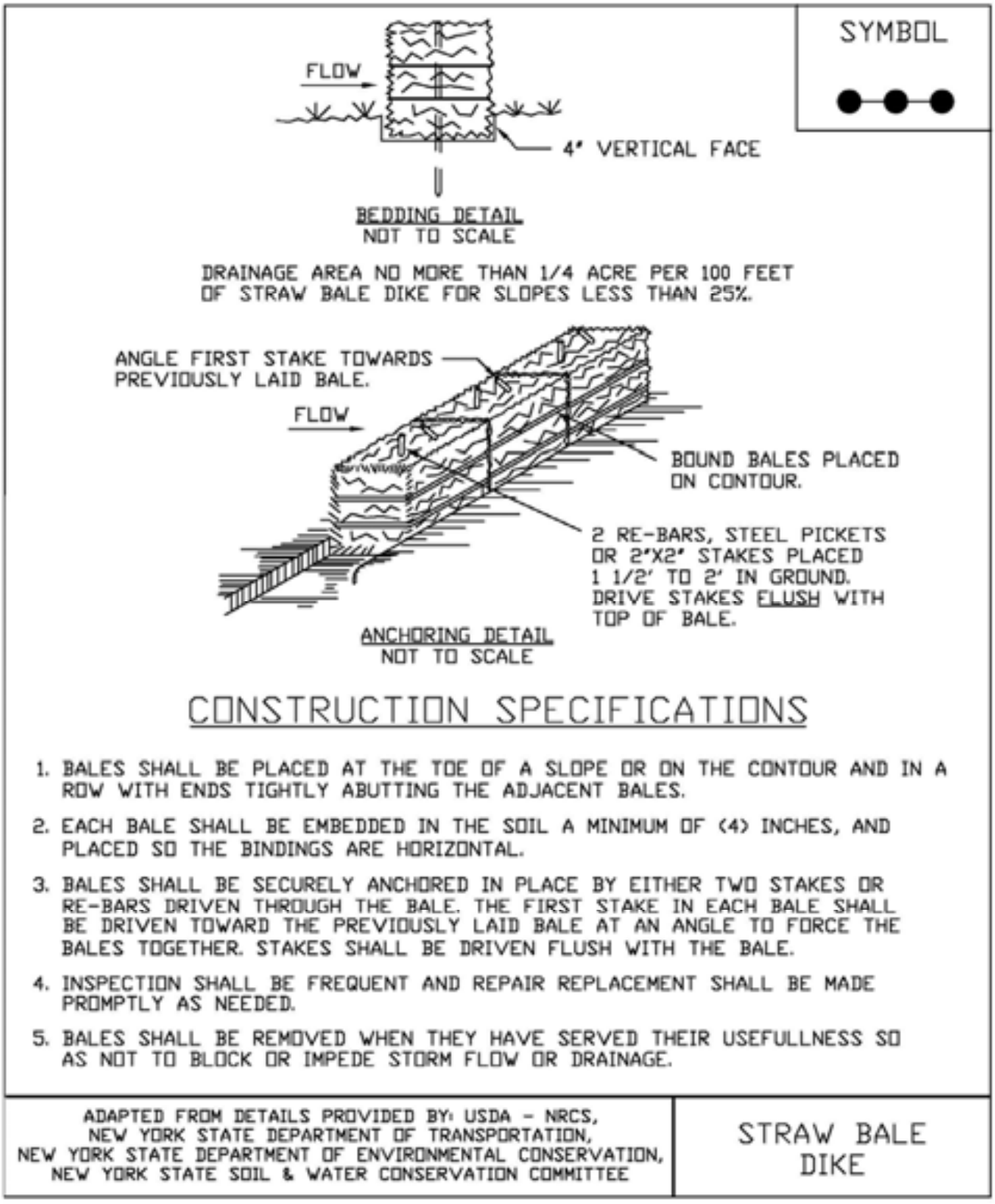
Where slope gradient changes through the drainage area, steepness refers to the steepest slope section contributing to the straw bale dike.

The practice may also be used for a single family lot if the slope is less than 15 percent. The contributing drainage areas in this instance shall be less than one quarter of an acre per 100 feet of dike and the length of slope above the dike shall be less than 100 feet.

## Design Criteria

The above table is adequate, in general, for a one-inch rainfall event. Larger storms could cause failure of this practice. Use of this practice in sensitive areas for longer than one month should be specifically designed to store expected runoff. All bales shall be placed on the contour with cut edge of bale adhering to the ground. See Figure 5.34 on page 5.64 for details.

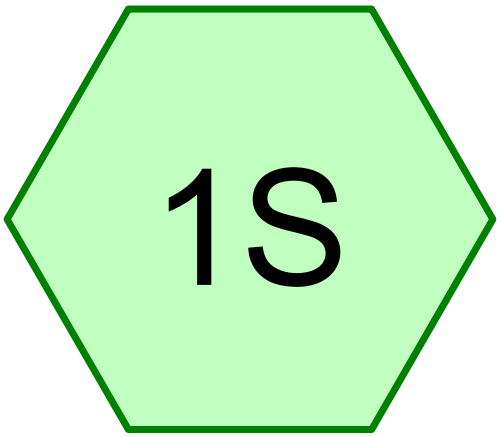
# Figure 5.34
# Straw Bale Dike



# Appendix C

## Hydrologic and Hydraulic Calculations

1. Existing Pre-Developed Condition
2. Proposed Post-Developed Condition




# Existing Site to Design Point

Subcat Reach Pond Link

**Routing Diagram for 149 Cannon Street_Existing**
Prepared by Teed Engineering, PLLC, Printed 5/12/2025
HydroCAD® 10.20-7a s/n 13738 © 2025 HydroCAD Software Solutions LLC

## Project Notes

Rainfall events imported from "NRCS2-Rain.txt" for 6660 NY Dutchess
Rainfall events imported from "NRCS2-Rain.txt" for 6660 NY Dutchess

## Rainfall Events Listing (selected events)

| Event# | Event Name | Storm Type | Curve | Mode | Duration (hours) | B/B | Depth (inches) | AMC |
|---|---|---|---|---|---|---|---|---|
| 1 | 1-Year | NOAA10 24-hr | D | Default | 24.00 | 1 | 2.50 | 2 |
| 2 | 10-Year | NOAA10 24-hr | D | Default | 24.00 | 1 | 5.07 | 2 |
| 3 | 100-Year | NOAA10 24-hr | D | Default | 24.00 | 1 | 8.11 | 2 |

## Soil Listing (selected nodes)

| Area (sq-ft) | Soil Group | Subcatchment Numbers |
|---|---|---|
| 0 | HSG A | |
| 0 | HSG B | |
| 0 | HSG C | |
| 13,508 | HSG D | 1S |
| 0 | Other | |
| **13,508** | | **TOTAL AREA** |

## Ground Covers (selected nodes)

| HSG-A (sq-ft) | HSG-B (sq-ft) | HSG-C (sq-ft) | HSG-D (sq-ft) | Other (sq-ft) | Total (sq-ft) | Ground Cover | Subcatchment Numbers |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 12,435 | 0 | 12,435 | 50-75% Grass cover, Fair | 1S |
| 0 | 0 | 0 | 1,073 | 0 | 1,073 | Unconnected roofs | 1S |
| **0** | **0** | **0** | **13,508** | **0** | **13,508** | **TOTAL AREA** | |

## Summary for Subcatchment 1S: Existing Site to Design Point

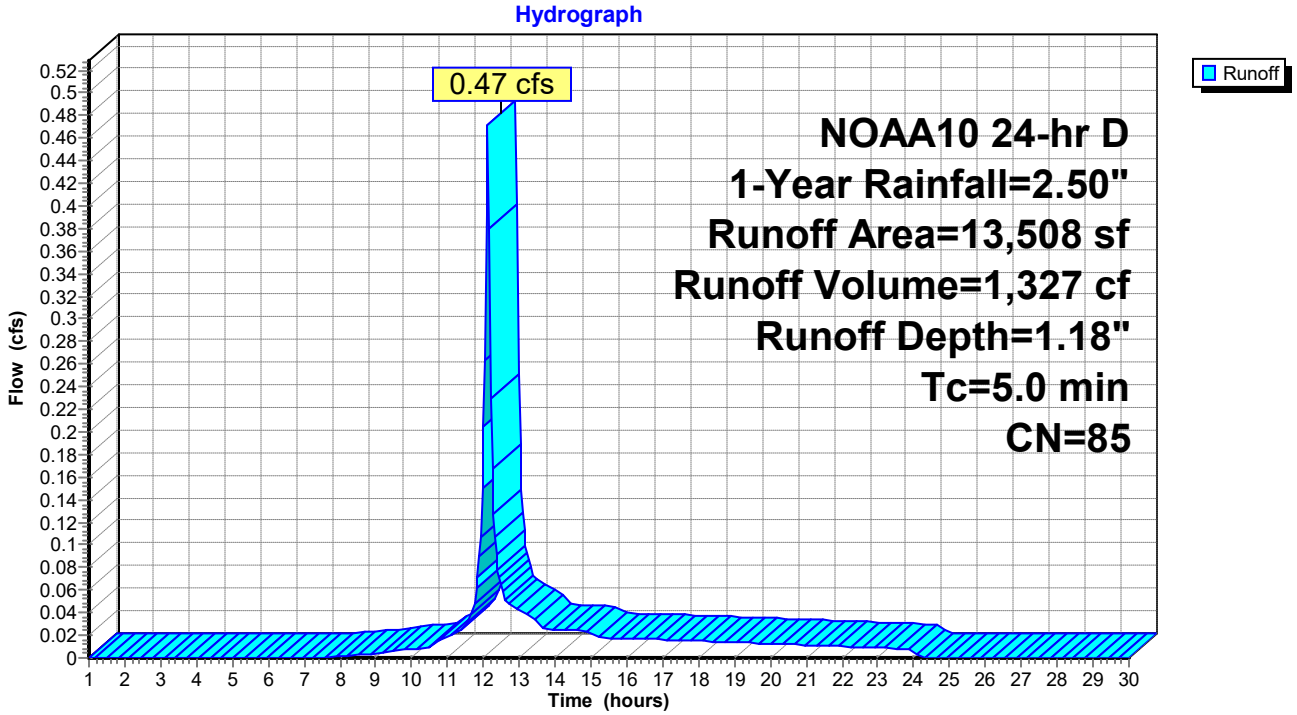
Runoff = 0.47 cfs @ 12.12 hrs, Volume= 1,327 cf, Depth= 1.18"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-30.00 hrs, dt= 0.04 hrs
NOAA10 24-hr D 1-Year Rainfall=2.50"

| Area (sf) | CN | Description |
|---|---|---|
| 12,435 | 84 | 50-75% Grass cover, Fair, HSG D |
| 1,073 | 98 | Unconnected roofs, HSG D |
| 13,508 | 85 | Weighted Average |
| 12,435 | | 92.06% Pervious Area |
| 1,073 | | 7.94% Impervious Area |
| 1,073 | | 100.00% Unconnected |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 5.0 | | | | | **Direct Entry,** |

## Subcatchment 1S: Existing Site to Design Point



## Hydrograph for Subcatchment 1S: Existing Site to Design Point

| Time (hours) | Precip. (inches) | Excess (inches) | Runoff (cfs) |
|---|---|---|---|
| 1.00 | 0.03 | 0.00 | 0.00 |
| 1.40 | 0.05 | 0.00 | 0.00 |
| 1.80 | 0.06 | 0.00 | 0.00 |
| 2.20 | 0.08 | 0.00 | 0.00 |
| 2.60 | 0.10 | 0.00 | 0.00 |
| 3.00 | 0.11 | 0.00 | 0.00 |
| 3.40 | 0.13 | 0.00 | 0.00 |
| 3.80 | 0.15 | 0.00 | 0.00 |
| 4.20 | 0.17 | 0.00 | 0.00 |
| 4.60 | 0.20 | 0.00 | 0.00 |
| 5.00 | 0.22 | 0.00 | 0.00 |
| 5.40 | 0.24 | 0.00 | 0.00 |
| 5.80 | 0.27 | 0.00 | 0.00 |
| 6.20 | 0.29 | 0.00 | 0.00 |
| 6.60 | 0.32 | 0.00 | 0.00 |
| 7.00 | 0.34 | 0.00 | 0.00 |
| 7.40 | 0.37 | 0.00 | 0.00 |
| 7.80 | 0.40 | 0.00 | 0.00 |
| 8.20 | 0.43 | 0.00 | 0.00 |
| 8.60 | 0.46 | 0.01 | 0.00 |
| 9.00 | 0.49 | 0.01 | 0.00 |
| 9.40 | 0.53 | 0.02 | 0.01 |
| 9.80 | 0.58 | 0.03 | 0.01 |
| 10.20 | 0.62 | 0.04 | 0.01 |
| 10.60 | 0.67 | 0.05 | 0.01 |
| 11.00 | 0.74 | 0.07 | 0.02 |
| 11.40 | 0.82 | 0.10 | 0.03 |
| 11.80 | 0.96 | 0.16 | **0.06** |
| 12.20 | 1.54 | 0.48 | **0.23** |
| 12.60 | 1.68 | 0.57 | 0.05 |
| 13.00 | 1.76 | 0.62 | 0.04 |
| 13.40 | 1.83 | 0.67 | 0.04 |
| 13.80 | 1.88 | 0.71 | 0.03 |
| 14.20 | 1.92 | 0.74 | 0.02 |
| 14.60 | 1.97 | 0.77 | 0.02 |
| 15.00 | 2.01 | 0.80 | 0.02 |
| 15.40 | 2.04 | 0.82 | 0.02 |
| 15.80 | 2.07 | 0.85 | 0.02 |
| 16.20 | 2.10 | 0.87 | 0.02 |
| 16.60 | 2.13 | 0.89 | 0.02 |
| 17.00 | 2.16 | 0.91 | 0.02 |
| 17.40 | 2.18 | 0.93 | 0.02 |
| 17.80 | 2.21 | 0.95 | 0.02 |
| 18.20 | 2.23 | 0.97 | 0.01 |
| 18.60 | 2.26 | 0.99 | 0.01 |
| 19.00 | 2.28 | 1.01 | 0.01 |
| 19.40 | 2.30 | 1.02 | 0.01 |
| 19.80 | 2.33 | 1.04 | 0.01 |
| 20.20 | 2.35 | 1.06 | 0.01 |
| 20.60 | 2.37 | 1.07 | 0.01 |
| 21.00 | 2.39 | 1.09 | 0.01 |
| 21.40 | 2.40 | 1.10 | 0.01 |
| 21.80 | 2.42 | 1.12 | 0.01 |
| 22.20 | 2.44 | 1.13 | 0.01 |
| 22.60 | 2.45 | 1.14 | 0.01 |
| 23.00 | 2.47 | 1.15 | 0.01 |
| 23.40 | 2.48 | 1.16 | 0.01 |
| 23.80 | **2.49** | **1.17** | 0.01 |
| 24.20 | **2.50** | **1.18** | 0.00 |
| 24.60 | 2.50 | 1.18 | 0.00 |
| 25.00 | 2.50 | 1.18 | 0.00 |
| 25.40 | 2.50 | 1.18 | 0.00 |
| 25.80 | 2.50 | 1.18 | 0.00 |
| 26.20 | 2.50 | 1.18 | 0.00 |
| 26.60 | 2.50 | 1.18 | 0.00 |
| 27.00 | 2.50 | 1.18 | 0.00 |
| 27.40 | 2.50 | 1.18 | 0.00 |
| 27.80 | 2.50 | 1.18 | 0.00 |
| 28.20 | 2.50 | 1.18 | 0.00 |
| 28.60 | 2.50 | 1.18 | 0.00 |
| 29.00 | 2.50 | 1.18 | 0.00 |
| 29.40 | 2.50 | 1.18 | 0.00 |
| 29.80 | 2.50 | 1.18 | 0.00 |

## Summary for Subcatchment 1S: Existing Site to Design Point

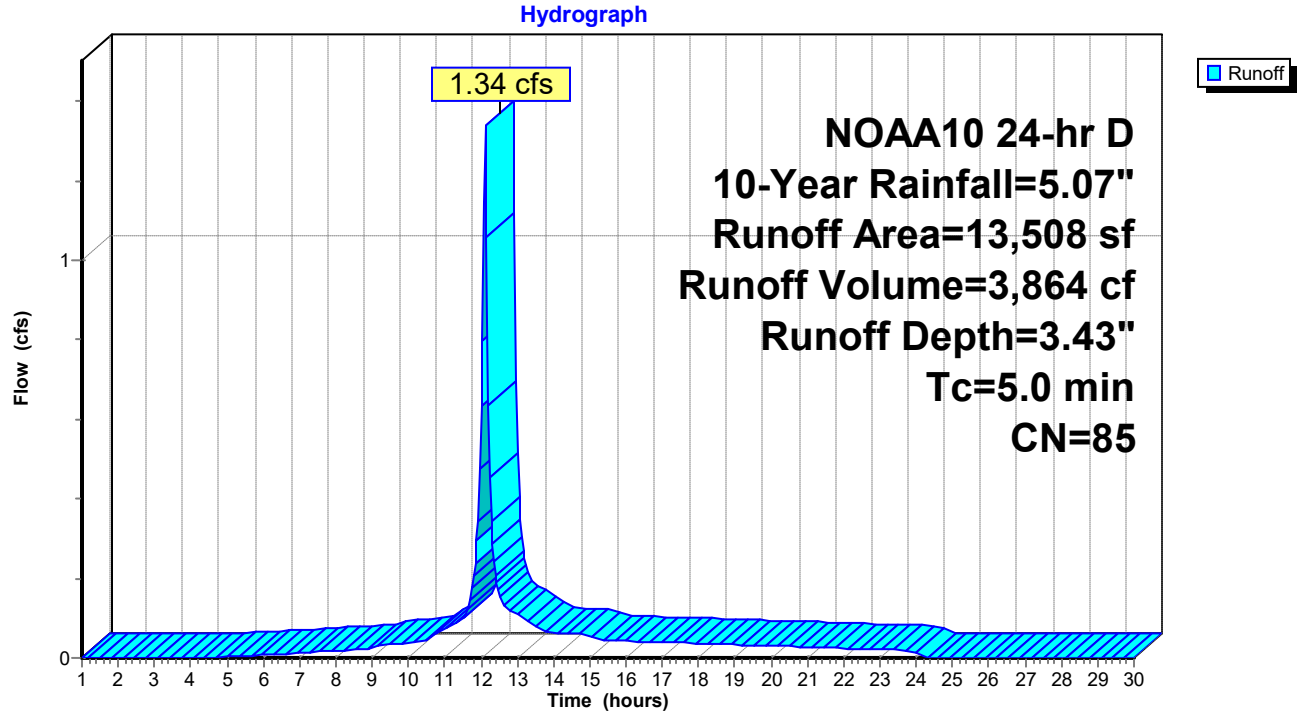
Runoff = 1.34 cfs @ 12.12 hrs, Volume= 3,864 cf, Depth= 3.43"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-30.00 hrs, dt= 0.04 hrs
NOAA10 24-hr D 10-Year Rainfall=5.07"

| Area (sf) | CN | Description |
|---|---|---|
| 12,435 | 84 | 50-75% Grass cover, Fair, HSG D |
| 1,073 | 98 | Unconnected roofs, HSG D |
| 13,508 | 85 | Weighted Average |
| 12,435 | | 92.06% Pervious Area |
| 1,073 | | 7.94% Impervious Area |
| 1,073 | | 100.00% Unconnected |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 5.0 | | | | | **Direct Entry,** |

## Subcatchment 1S: Existing Site to Design Point



## Hydrograph for Subcatchment 1S: Existing Site to Design Point

| Time (hours) | Precip. (inches) | Excess (inches) | Runoff (cfs) |
|---|---|---|---|
| 1.00 | 0.07 | 0.00 | 0.00 |
| 1.40 | 0.10 | 0.00 | 0.00 |
| 1.80 | 0.13 | 0.00 | 0.00 |
| 2.20 | 0.16 | 0.00 | 0.00 |
| 2.60 | 0.20 | 0.00 | 0.00 |
| 3.00 | 0.23 | 0.00 | 0.00 |
| 3.40 | 0.27 | 0.00 | 0.00 |
| 3.80 | 0.31 | 0.00 | 0.00 |
| 4.20 | 0.35 | 0.00 | 0.00 |
| 4.60 | 0.40 | 0.00 | 0.00 |
| 5.00 | 0.44 | 0.00 | 0.00 |
| 5.40 | 0.49 | 0.01 | 0.00 |
| 5.80 | 0.54 | 0.02 | 0.01 |
| 6.20 | 0.59 | 0.03 | 0.01 |
| 6.60 | 0.64 | 0.04 | 0.01 |
| 7.00 | 0.70 | 0.06 | 0.01 |
| 7.40 | 0.76 | 0.07 | 0.01 |
| 7.80 | 0.81 | 0.10 | 0.02 |
| 8.20 | 0.87 | 0.12 | 0.02 |
| 8.60 | 0.93 | 0.14 | 0.02 |
| 9.00 | 1.00 | 0.17 | 0.02 |
| 9.40 | 1.08 | 0.21 | 0.03 |
| 9.80 | 1.17 | 0.26 | 0.04 |
| 10.20 | 1.26 | 0.31 | 0.04 |
| 10.60 | 1.36 | 0.37 | 0.05 |
| 11.00 | 1.50 | 0.45 | 0.07 |
| 11.40 | 1.67 | 0.56 | 0.09 |
| 11.80 | 1.95 | 0.76 | **0.21** |
| 12.20 | 3.12 | 1.69 | **0.63** |
| 12.60 | 3.40 | 1.93 | 0.14 |
| 13.00 | 3.57 | 2.08 | 0.11 |
| 13.40 | 3.71 | 2.20 | 0.09 |
| 13.80 | 3.81 | 2.29 | 0.06 |
| 14.20 | 3.90 | 2.37 | 0.06 |
| 14.60 | 3.99 | 2.45 | 0.06 |
| 15.00 | 4.07 | 2.52 | 0.06 |
| 15.40 | 4.14 | 2.58 | 0.04 |
| 15.80 | 4.20 | 2.63 | 0.04 |
| 16.20 | 4.26 | 2.69 | 0.04 |
| 16.60 | 4.31 | 2.74 | 0.04 |
| 17.00 | 4.37 | 2.79 | 0.04 |
| 17.40 | 4.43 | 2.84 | 0.04 |
| 17.80 | 4.48 | 2.89 | 0.04 |
| 18.20 | 4.53 | 2.94 | 0.04 |
| 18.60 | 4.58 | 2.98 | 0.03 |
| 19.00 | 4.63 | 3.02 | 0.03 |
| 19.40 | 4.67 | 3.07 | 0.03 |
| 19.80 | 4.72 | 3.11 | 0.03 |
| 20.20 | 4.76 | 3.15 | 0.03 |
| 20.60 | 4.80 | 3.18 | 0.03 |
| 21.00 | 4.84 | 3.22 | 0.03 |
| 21.40 | 4.87 | 3.25 | 0.03 |
| 21.80 | 4.91 | 3.28 | 0.02 |
| 22.20 | 4.94 | 3.31 | 0.02 |
| 22.60 | 4.97 | 3.34 | 0.02 |
| 23.00 | 5.00 | 3.37 | 0.02 |
| 23.40 | 5.03 | 3.40 | 0.02 |
| 23.80 | **5.06** | **3.42** | 0.02 |
| 24.20 | **5.07** | **3.43** | 0.00 |
| 24.60 | 5.07 | 3.43 | 0.00 |
| 25.00 | 5.07 | 3.43 | 0.00 |
| 25.40 | 5.07 | 3.43 | 0.00 |
| 25.80 | 5.07 | 3.43 | 0.00 |
| 26.20 | 5.07 | 3.43 | 0.00 |
| 26.60 | 5.07 | 3.43 | 0.00 |
| 27.00 | 5.07 | 3.43 | 0.00 |
| 27.40 | 5.07 | 3.43 | 0.00 |
| 27.80 | 5.07 | 3.43 | 0.00 |
| 28.20 | 5.07 | 3.43 | 0.00 |
| 28.60 | 5.07 | 3.43 | 0.00 |
| 29.00 | 5.07 | 3.43 | 0.00 |
| 29.40 | 5.07 | 3.43 | 0.00 |
| 29.80 | 5.07 | 3.43 | 0.00 |

## Summary for Subcatchment 1S: Existing Site to Design Point

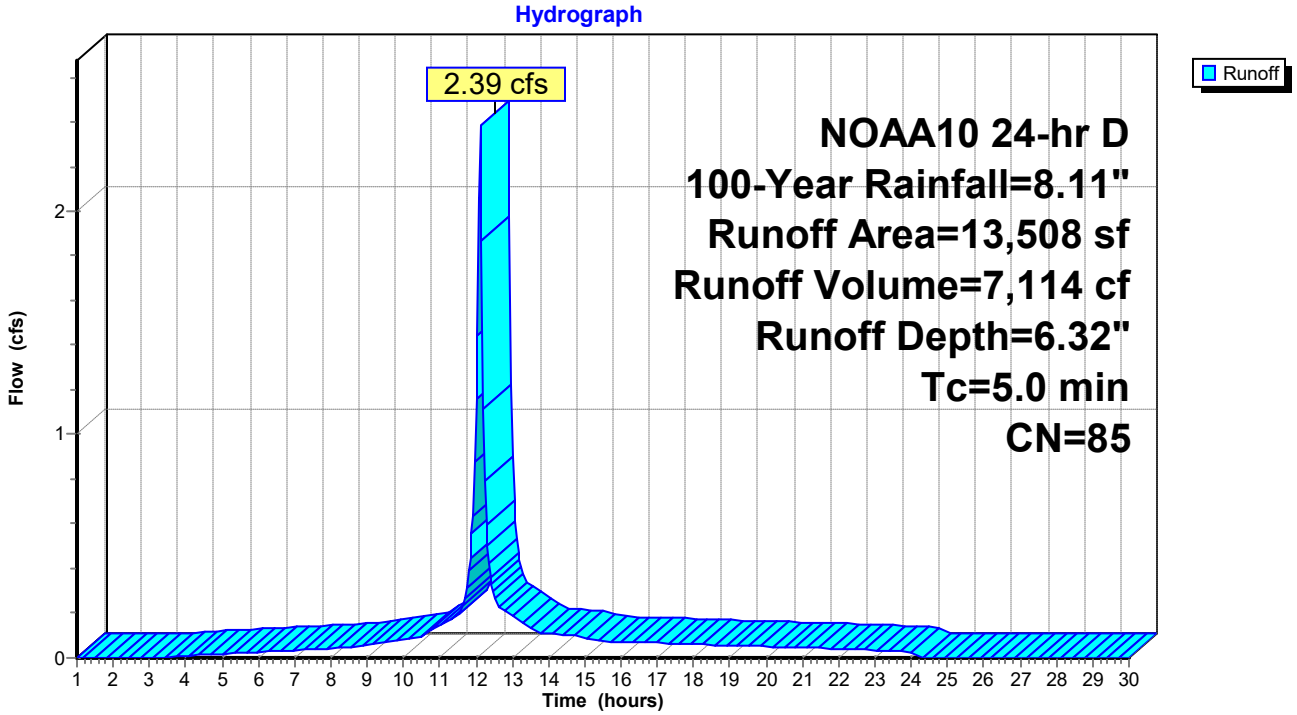
Runoff = 2.39 cfs @ 12.12 hrs, Volume= 7,114 cf, Depth= 6.32"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-30.00 hrs, dt= 0.04 hrs
NOAA10 24-hr D 100-Year Rainfall=8.11"

| Area (sf) | CN | Description |
|---|---|---|
| 12,435 | 84 | 50-75% Grass cover, Fair, HSG D |
| 1,073 | 98 | Unconnected roofs, HSG D |
| 13,508 | 85 | Weighted Average |
| 12,435 | | 92.06% Pervious Area |
| 1,073 | | 7.94% Impervious Area |
| 1,073 | | 100.00% Unconnected |

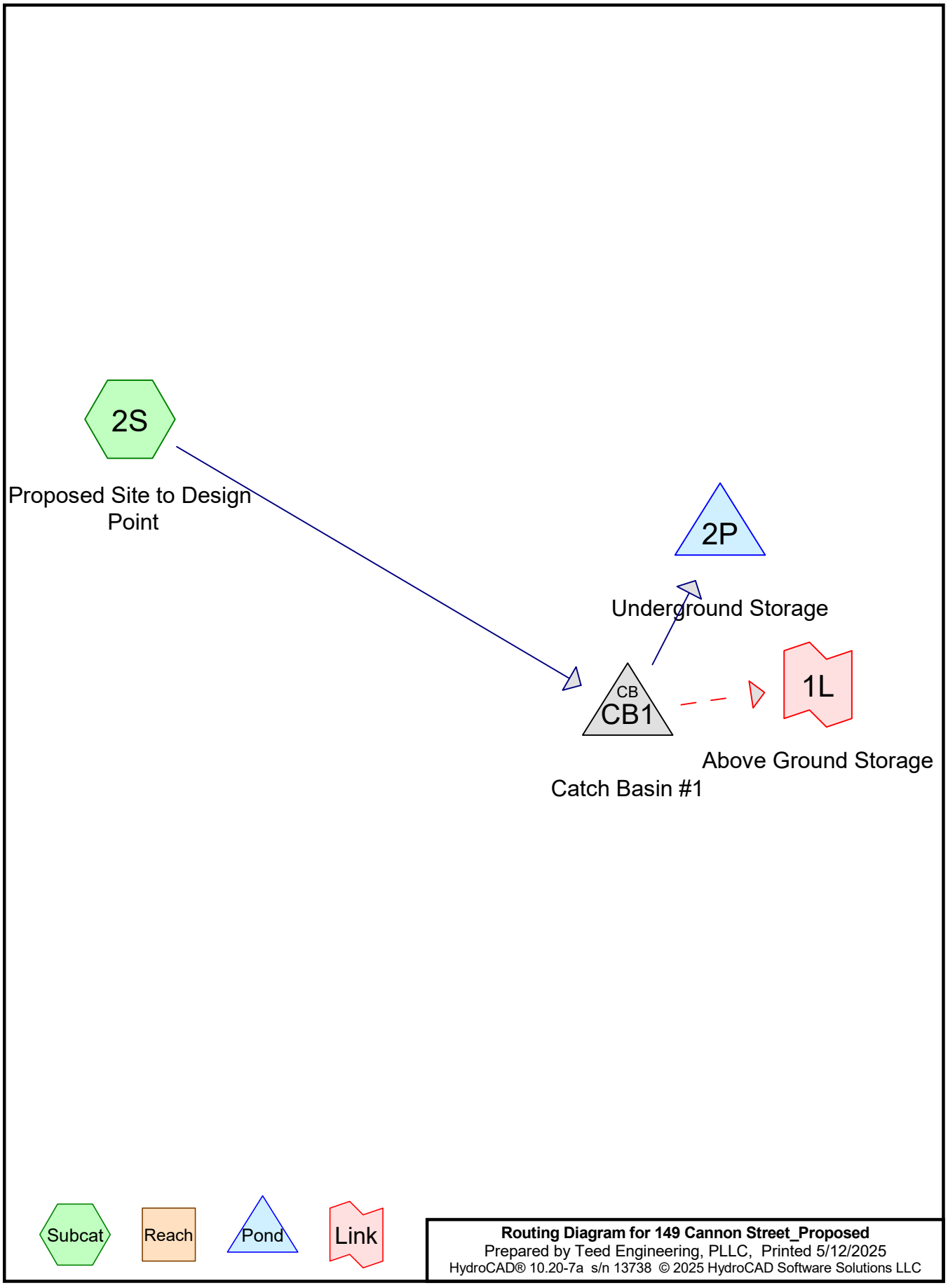
| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 5.0 | | | | | **Direct Entry,** |

## Subcatchment 1S: Existing Site to Design Point



## Hydrograph for Subcatchment 1S: Existing Site to Design Point

| Time (hours) | Precip. (inches) | Excess (inches) | Runoff (cfs) |
|---|---|---|---|
| 1.00 | 0.11 | 0.00 | 0.00 |
| 1.40 | 0.15 | 0.00 | 0.00 |
| 1.80 | 0.20 | 0.00 | 0.00 |
| 2.20 | 0.26 | 0.00 | 0.00 |
| 2.60 | 0.31 | 0.00 | 0.00 |
| 3.00 | 0.37 | 0.00 | 0.00 |
| 3.40 | 0.43 | 0.00 | 0.00 |
| 3.80 | 0.50 | 0.01 | 0.01 |
| 4.20 | 0.57 | 0.02 | 0.01 |
| 4.60 | 0.64 | 0.04 | 0.01 |
| 5.00 | 0.71 | 0.06 | 0.02 |
| 5.40 | 0.79 | 0.09 | 0.02 |
| 5.80 | 0.86 | 0.11 | 0.02 |
| 6.20 | 0.95 | 0.15 | 0.03 |
| 6.60 | 1.03 | 0.19 | 0.03 |
| 7.00 | 1.12 | 0.23 | 0.03 |
| 7.40 | 1.21 | 0.28 | 0.04 |
| 7.80 | 1.30 | 0.33 | 0.04 |
| 8.20 | 1.40 | 0.39 | 0.05 |
| 8.60 | 1.50 | 0.45 | 0.05 |
| 9.00 | 1.60 | 0.51 | 0.05 |
| 9.40 | 1.73 | 0.60 | 0.07 |
| 9.80 | 1.87 | 0.70 | 0.08 |
| 10.20 | 2.02 | 0.81 | 0.08 |
| 10.60 | 2.18 | 0.93 | 0.11 |
| 11.00 | 2.40 | 1.10 | 0.15 |
| 11.40 | 2.67 | 1.32 | 0.18 |
| 11.80 | 3.12 | 1.69 | **0.39** |
| 12.20 | 4.99 | 3.36 | **1.11** |
| 12.60 | 5.44 | 3.77 | 0.23 |
| 13.00 | 5.71 | 4.03 | 0.19 |
| 13.40 | 5.93 | 4.24 | 0.15 |
| 13.80 | 6.09 | 4.39 | 0.11 |
| 14.20 | 6.24 | 4.53 | 0.11 |
| 14.60 | 6.38 | 4.66 | 0.10 |
| 15.00 | 6.51 | 4.79 | 0.10 |
| 15.40 | 6.61 | 4.88 | 0.07 |
| 15.80 | 6.71 | 4.98 | 0.07 |
| 16.20 | 6.81 | 5.07 | 0.07 |
| 16.60 | 6.90 | 5.16 | 0.07 |
| 17.00 | 6.99 | 5.25 | 0.07 |
| 17.40 | 7.08 | 5.33 | 0.06 |
| 17.80 | 7.16 | 5.41 | 0.06 |
| 18.20 | 7.25 | 5.49 | 0.06 |
| 18.60 | 7.32 | 5.56 | 0.06 |
| 19.00 | 7.40 | 5.64 | 0.06 |
| 19.40 | 7.47 | 5.71 | 0.05 |
| 19.80 | 7.54 | 5.77 | 0.05 |
| 20.20 | 7.61 | 5.84 | 0.05 |
| 20.60 | 7.68 | 5.90 | 0.05 |
| 21.00 | 7.74 | 5.96 | 0.05 |
| 21.40 | 7.80 | 6.02 | 0.04 |
| 21.80 | 7.85 | 6.07 | 0.04 |
| 22.20 | 7.91 | 6.12 | 0.04 |
| 22.60 | 7.96 | 6.17 | 0.04 |
| 23.00 | 8.00 | 6.22 | 0.04 |
| 23.40 | 8.05 | 6.26 | 0.03 |
| 23.80 | **8.09** | **6.30** | 0.03 |
| 24.20 | **8.11** | **6.32** | 0.00 |
| 24.60 | 8.11 | 6.32 | 0.00 |
| 25.00 | 8.11 | 6.32 | 0.00 |
| 25.40 | 8.11 | 6.32 | 0.00 |
| 25.80 | 8.11 | 6.32 | 0.00 |
| 26.20 | 8.11 | 6.32 | 0.00 |
| 26.60 | 8.11 | 6.32 | 0.00 |
| 27.00 | 8.11 | 6.32 | 0.00 |
| 27.40 | 8.11 | 6.32 | 0.00 |
| 27.80 | 8.11 | 6.32 | 0.00 |
| 28.20 | 8.11 | 6.32 | 0.00 |
| 28.60 | 8.11 | 6.32 | 0.00 |
| 29.00 | 8.11 | 6.32 | 0.00 |
| 29.40 | 8.11 | 6.32 | 0.00 |
| 29.80 | 8.11 | 6.32 | 0.00 |


2S
Proposed Site to Design Point
2P
Underground Storage
CB
CB1
1L
Above Ground Storage
Catch Basin #1
Subcat
Reach
Pond
Link
Routing Diagram for 149 Cannon Street_Proposed
Prepared by Teed Engineering, PLLC, Printed 5/12/2025
HydroCAD® 10.20-7a s/n 13738 © 2025 HydroCAD Software Solutions LLC

## Project Notes

Rainfall events imported from "NRCS2-Rain.txt" for 6660 NY Dutchess
Rainfall events imported from "NRCS2-Rain.txt" for 6660 NY Dutchess

## Rainfall Events Listing (selected events)

| Event# | Event Name | Storm Type | Curve | Mode | Duration (hours) | B/B | Depth (inches) | AMC |
|---|---|---|---|---|---|---|---|---|
| 1 | 1-Year | NOAA10 24-hr | D | Default | 24.00 | 1 | 2.50 | 2 |
| 2 | 10-Year | NOAA10 24-hr | D | Default | 24.00 | 1 | 5.07 | 2 |
| 3 | 100-Year | NOAA10 24-hr | D | Default | 24.00 | 1 | 8.11 | 2 |

## Soil Listing (all nodes)

| Area (sq-ft) | Soil Group | Subcatchment Numbers |
|---|---|---|
| 0 | HSG A | |
| 0 | HSG B | |
| 0 | HSG C | |
| 13,925 | HSG D | 2S |
| 0 | Other | |
| **13,925** | | **TOTAL AREA** |

## Ground Covers (all nodes)

| HSG-A (sq-ft) | HSG-B (sq-ft) | HSG-C (sq-ft) | HSG-D (sq-ft) | Other (sq-ft) | Total (sq-ft) | Ground Cover | Subcatchment Numbers |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 4,434 | 0 | 4,434 | 50-75% Grass cover, Fair | 2S |
| 0 | 0 | 0 | 9,491 | 0 | 9,491 | Paved parking | 2S |
| **0** | **0** | **0** | **13,925** | **0** | **13,925** | **TOTAL AREA** | |

## Pipe Listing (all nodes)

| Line# | Node Number | In-Invert (feet) | Out-Invert (feet) | Length (feet) | Slope (ft/ft) | n | Width (inches) | Diam/Height (inches) | Inside-Fill (inches) | Node Name |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | CB1 | 189.20 | 188.50 | 3.0 | 0.2333 | 0.013 | 0.0 | 10.0 | 0.0 | Catch Basin #1 |

## Summary for Subcatchment 2S: Proposed Site to Design Point

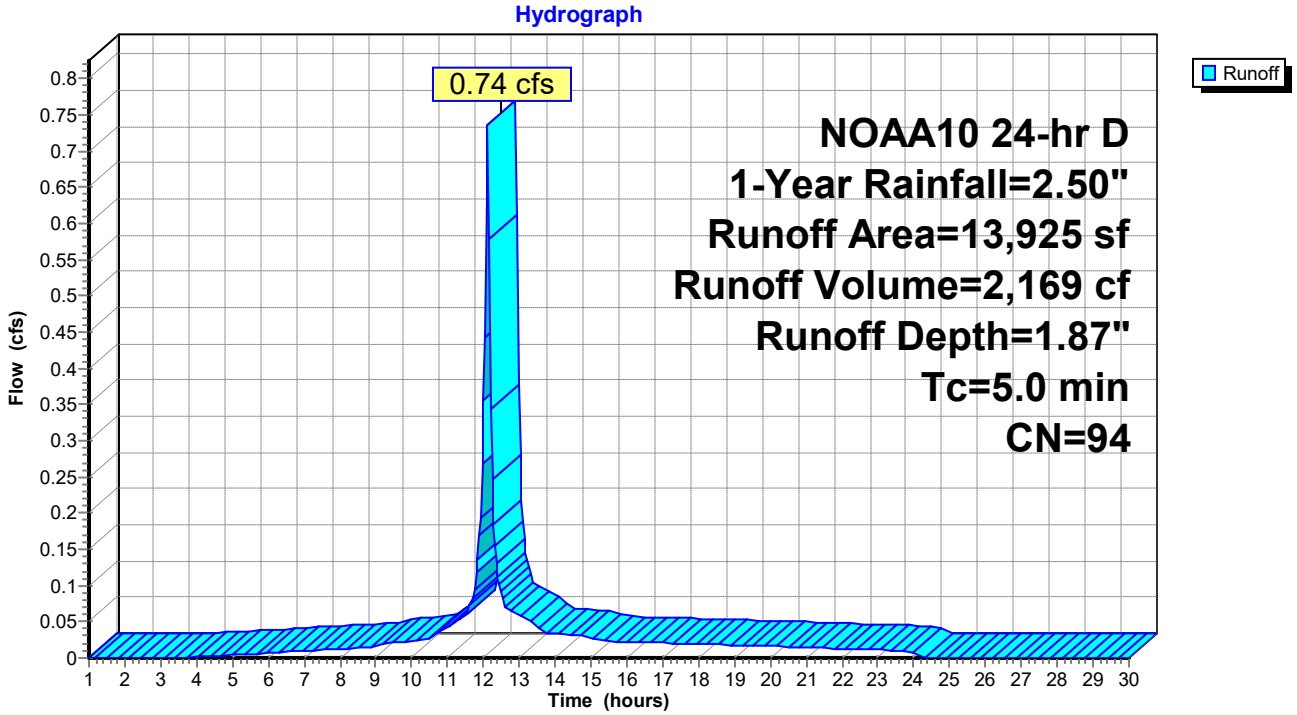
Runoff = 0.74 cfs @ 12.12 hrs, Volume= 2,169 cf, Depth= 1.87"
Routed to Pond CB1 : Catch Basin #1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-30.00 hrs, dt= 0.04 hrs
NOAA10 24-hr D 1-Year Rainfall=2.50"

| Area (sf) | CN | Description |
|---|---|---|
| 4,434 | 84 | 50-75% Grass cover, Fair, HSG D |
| 9,491 | 98 | Paved parking, HSG D |
| 13,925 | 94 | Weighted Average |
| 4,434 | | 31.84% Pervious Area |
| 9,491 | | 68.16% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 5.0 | | | | | **Direct Entry,** |

## Subcatchment 2S: Proposed Site to Design Point



## Hydrograph for Subcatchment 2S: Proposed Site to Design Point

| Time (hours) | Precip. (inches) | Excess (inches) | Runoff (cfs) |
|---|---|---|---|
| 1.00 | 0.03 | 0.00 | 0.00 |
| 1.40 | 0.05 | 0.00 | 0.00 |
| 1.80 | 0.06 | 0.00 | 0.00 |
| 2.20 | 0.08 | 0.00 | 0.00 |
| 2.60 | 0.10 | 0.00 | 0.00 |
| 3.00 | 0.11 | 0.00 | 0.00 |
| 3.40 | 0.13 | 0.00 | 0.00 |
| 3.80 | 0.15 | 0.00 | 0.00 |
| 4.20 | 0.17 | 0.00 | 0.00 |
| 4.60 | 0.20 | 0.01 | 0.00 |
| 5.00 | 0.22 | 0.01 | 0.00 |
| 5.40 | 0.24 | 0.02 | 0.01 |
| 5.80 | 0.27 | 0.02 | 0.01 |
| 6.20 | 0.29 | 0.03 | 0.01 |
| 6.60 | 0.32 | 0.04 | 0.01 |
| 7.00 | 0.34 | 0.05 | 0.01 |
| 7.40 | 0.37 | 0.07 | 0.01 |
| 7.80 | 0.40 | 0.08 | 0.01 |
| 8.20 | 0.43 | 0.10 | 0.01 |
| 8.60 | 0.46 | 0.11 | 0.01 |
| 9.00 | 0.49 | 0.13 | 0.02 |
| 9.40 | 0.53 | 0.16 | 0.02 |
| 9.80 | 0.58 | 0.19 | 0.02 |
| 10.20 | 0.62 | 0.22 | 0.02 |
| 10.60 | 0.67 | 0.25 | 0.03 |
| 11.00 | 0.74 | 0.30 | 0.04 |
| 11.40 | 0.82 | 0.36 | 0.05 |
| 11.80 | 0.96 | 0.47 | **0.12** |
| 12.20 | 1.54 | 0.97 | **0.34** |
| 12.60 | 1.68 | 1.10 | 0.07 |
| 13.00 | 1.76 | 1.17 | 0.06 |
| 13.40 | 1.83 | 1.24 | 0.05 |
| 13.80 | 1.88 | 1.28 | 0.03 |
| 14.20 | 1.92 | 1.32 | 0.03 |
| 14.60 | 1.97 | 1.36 | 0.03 |
| 15.00 | 2.01 | 1.40 | 0.03 |
| 15.40 | 2.04 | 1.43 | 0.02 |
| 15.80 | 2.07 | 1.46 | 0.02 |
| 16.20 | 2.10 | 1.49 | 0.02 |
| 16.60 | 2.13 | 1.52 | 0.02 |
| 17.00 | 2.16 | 1.54 | 0.02 |
| 17.40 | 2.18 | 1.57 | 0.02 |
| 17.80 | 2.21 | 1.59 | 0.02 |
| 18.20 | 2.23 | 1.62 | 0.02 |
| 18.60 | 2.26 | 1.64 | 0.02 |
| 19.00 | 2.28 | 1.66 | 0.02 |
| 19.40 | 2.30 | 1.68 | 0.02 |
| 19.80 | 2.33 | 1.70 | 0.02 |
| 20.20 | 2.35 | 1.72 | 0.02 |
| 20.60 | 2.37 | 1.74 | 0.02 |
| 21.00 | 2.39 | 1.76 | 0.01 |
| 21.40 | 2.40 | 1.78 | 0.01 |
| 21.80 | 2.42 | 1.79 | 0.01 |
| 22.20 | 2.44 | 1.81 | 0.01 |
| 22.60 | 2.45 | 1.82 | 0.01 |
| 23.00 | 2.47 | 1.84 | 0.01 |
| 23.40 | 2.48 | 1.85 | 0.01 |
| 23.80 | **2.49** | **1.86** | 0.01 |
| 24.20 | **2.50** | **1.87** | 0.00 |
| 24.60 | 2.50 | 1.87 | 0.00 |
| 25.00 | 2.50 | 1.87 | 0.00 |
| 25.40 | 2.50 | 1.87 | 0.00 |
| 25.80 | 2.50 | 1.87 | 0.00 |
| 26.20 | 2.50 | 1.87 | 0.00 |
| 26.60 | 2.50 | 1.87 | 0.00 |
| 27.00 | 2.50 | 1.87 | 0.00 |
| 27.40 | 2.50 | 1.87 | 0.00 |
| 27.80 | 2.50 | 1.87 | 0.00 |
| 28.20 | 2.50 | 1.87 | 0.00 |
| 28.60 | 2.50 | 1.87 | 0.00 |
| 29.00 | 2.50 | 1.87 | 0.00 |
| 29.40 | 2.50 | 1.87 | 0.00 |
| 29.80 | 2.50 | 1.87 | 0.00 |

## Summary for Pond 2P: Underground Storage

[42] Hint: Gap in defined storage above volume #1 at 190.54'

Inflow Area = 13,925 sf, 68.16% Impervious, Inflow Depth = 1.87" for 1-Year event
Inflow = 0.74 cfs @ 12.12 hrs, Volume= 2,169 cf
Outflow = 0.27 cfs @ 12.23 hrs, Volume= 2,169 cf, Atten= 63%, Lag= 7.0 min
Discarded = 0.27 cfs @ 12.23 hrs, Volume= 2,169 cf

Routing by Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.04 hrs
Peak Elev= 188.48' @ 12.23 hrs Surf.Area= 1,345 sf Storage= 259 cf
Flood Elev= 192.50' Surf.Area= 1,357 sf Storage= 1,965 cf

Plug-Flow detention time= 4.5 min calculated for 2,166 cf (100% of inflow)
Center-of-Mass det. time= 4.5 min ( 815.4 - 810.9 )

| Volume | Invert | Avail.Storage | Storage Description |
|---|---|---|---|
| #1A | 188.00' | 970 cf | **30.75'W x 43.75'L x 2.54'H Field A**<br>3,419 cf Overall - 995 cf Embedded = 2,424 cf x 40.0% Voids |
| #2A | 188.50' | 995 cf | **Cultec R-150XLHD** x 36 Inside #1<br>Effective Size= 29.8"W x 18.0"H => 2.65 sf x 10.25'L = 27.2 cf<br>Overall Size= 33.0"W x 18.5"H x 11.00'L with 0.75' Overlap<br>Row Length Adjustment= +0.75' x 2.65 sf x 9 rows |
| #3 | 192.50' | 45 cf | **Above Ground Storage (Prismatic)** Listed below (Recalc) |
| | | 2,010 cf | Total Available Storage |

Storage Group A created with Chamber Wizard

| Elevation (feet) | Surf.Area (sq-ft) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
|---|---|---|---|
| 192.50 | 12 | 0 | 0 |
| 193.00 | 169 | 45 | 45 |

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Discarded | 188.00' | **7.000 in/hr Exfiltration over Horizontal area from 186.00' - 188.01'**<br>Conductivity to Groundwater Elevation = 186.00'<br>Excluded Horizontal area = 0 sf |

**Discarded OutFlow** Max=0.27 cfs @ 12.23 hrs HW=188.48' (Free Discharge)
**1=Exfiltration** ( Controls 0.27 cfs)

## Pond 2P: Underground Storage - Chamber Wizard Field A

**Chamber Model = Cultec R-150XLHD (Cultec Recharger® 150XLHD)**
Effective Size= 29.8"W x 18.0"H => 2.65 sf x 10.25'L = 27.2 cf
Overall Size= 33.0"W x 18.5"H x 11.00'L with 0.75' Overlap
Row Length Adjustment= +0.75' x 2.65 sf x 9 rows

33.0" Wide + 6.0" Spacing = 39.0" C-C Row Spacing

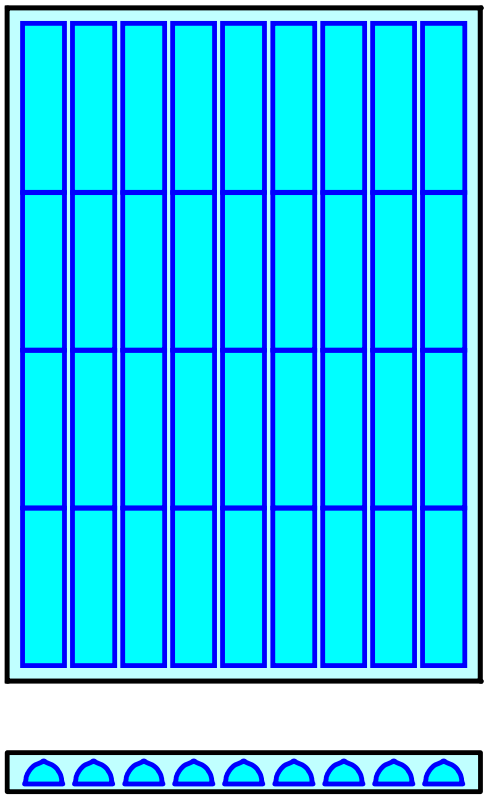
4 Chambers/Row x 10.25' Long +0.75' Row Adjustment = 41.75' Row Length +12.0" End Stone x 2 = 43.75' Base Length
9 Rows x 33.0" Wide + 6.0" Spacing x 8 + 12.0" Side Stone x 2 = 30.75' Base Width
6.0" Stone Base + 18.5" Chamber Height + 6.0" Stone Cover = 2.54' Field Height

36 Chambers x 27.2 cf +0.75' Row Adjustment x 2.65 sf x 9 Rows = 995.4 cf Chamber Storage

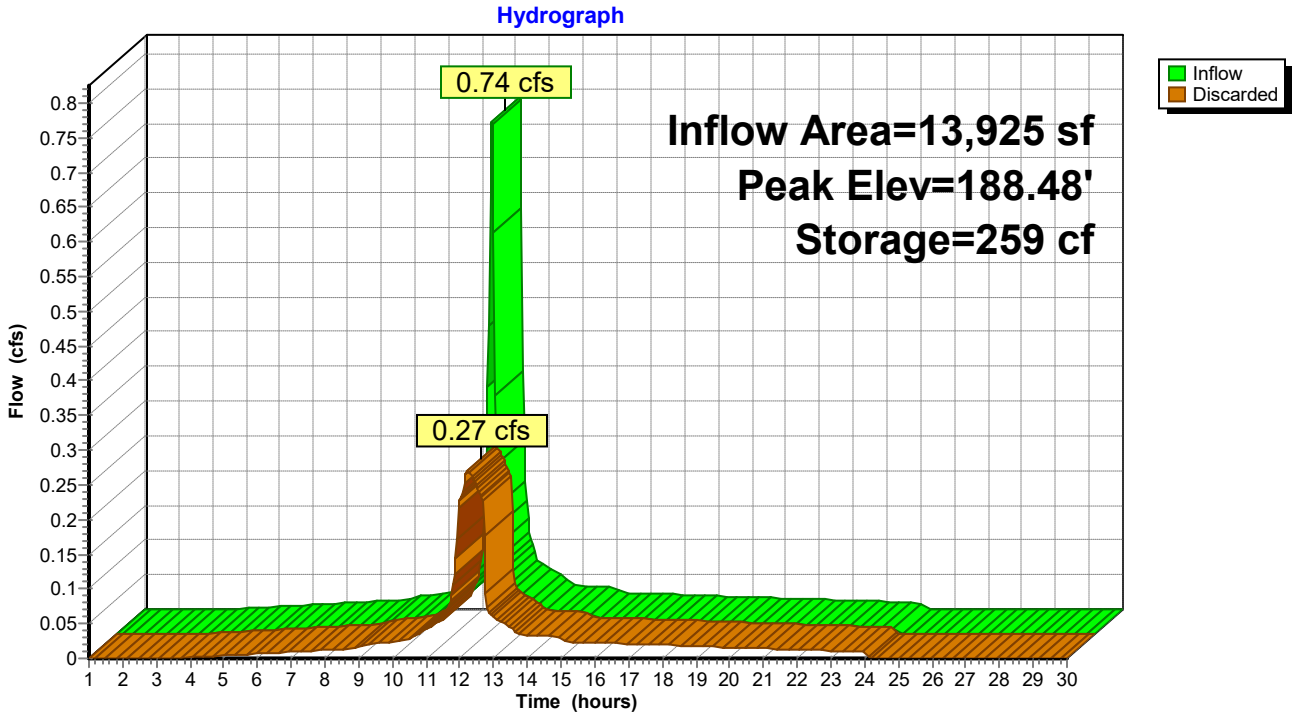
3,419.3 cf Field - 995.4 cf Chambers = 2,424.0 cf Stone x 40.0% Voids = 969.6 cf Stone Storage

Chamber Storage + Stone Storage = 1,965.0 cf = 0.045 af
Overall Storage Efficiency = 57.5%
Overall System Size = 43.75' x 30.75' x 2.54'

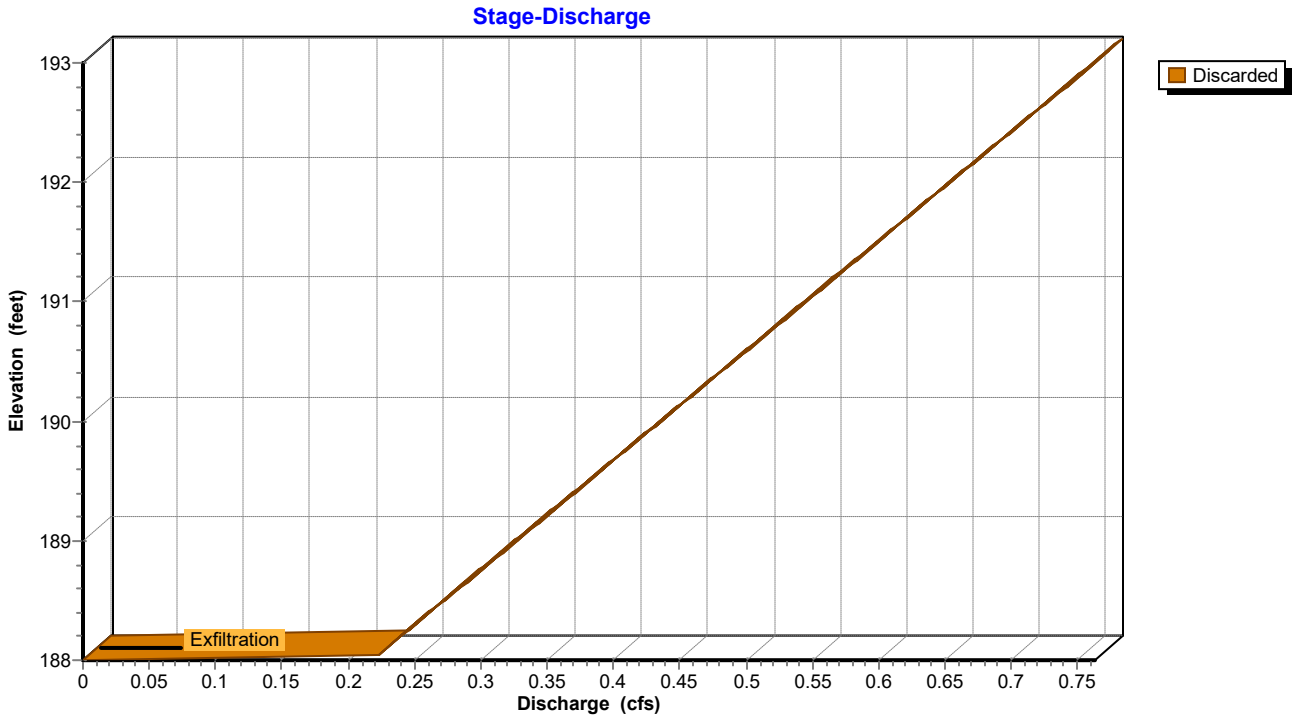
36 Chambers
126.6 cy Field
89.8 cy Stone



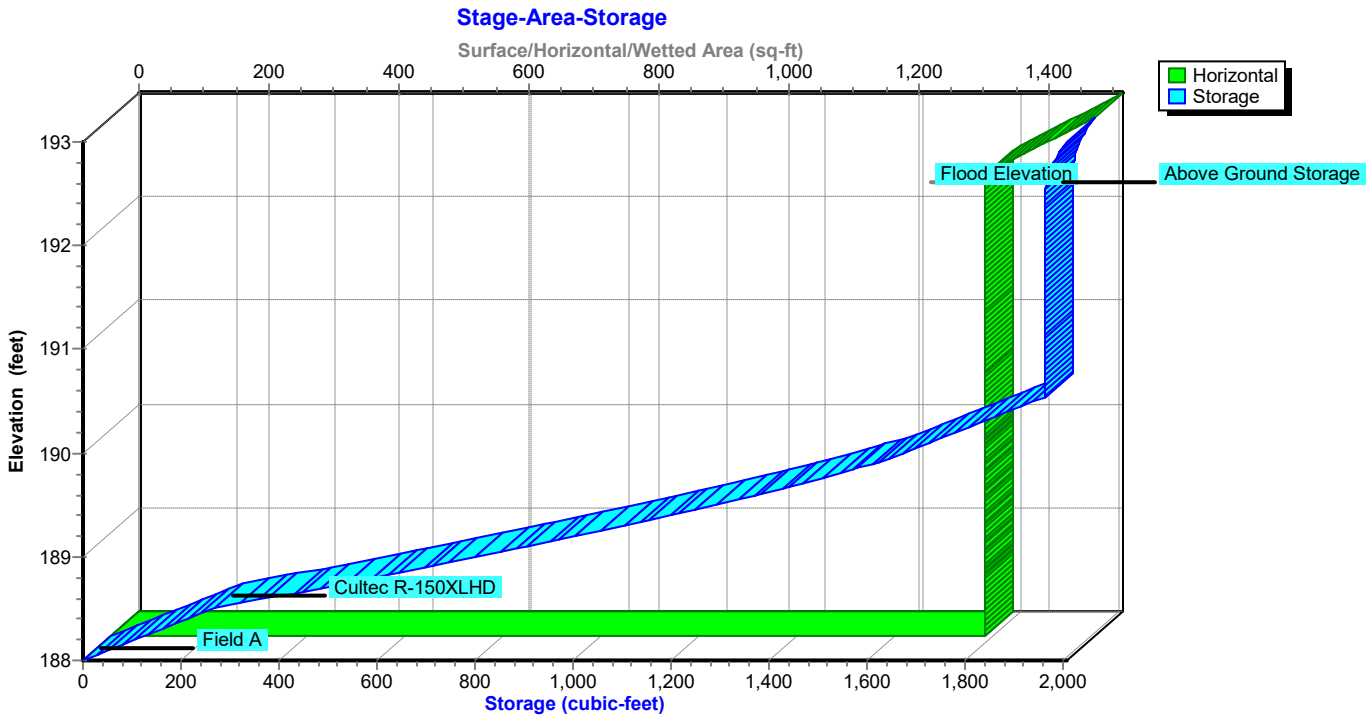
## Pond 2P: Underground Storage




## Pond 2P: Underground Storage



## Pond 2P: Underground Storage



## Hydrograph for Pond 2P: Underground Storage

| Time (hours) | Inflow (cfs) | Storage (cubic-feet) | Elevation (feet) | Discarded (cfs) |
|---|---|---|---|---|
| 1.00 | 0.00 | 0 | 188.00 | 0.00 |
| 1.80 | 0.00 | 0 | 188.00 | 0.00 |
| 2.60 | 0.00 | 0 | 188.00 | 0.00 |
| 3.40 | 0.00 | 0 | 188.00 | 0.00 |
| 4.20 | 0.00 | 0 | 188.00 | 0.00 |
| 5.00 | 0.00 | 0 | 188.00 | 0.00 |
| 5.80 | 0.01 | 1 | 188.00 | 0.01 |
| 6.60 | 0.01 | 1 | 188.00 | 0.01 |
| 7.40 | 0.01 | 1 | 188.00 | 0.01 |
| 8.20 | 0.01 | 2 | 188.00 | 0.01 |
| 9.00 | 0.02 | 2 | 188.00 | 0.01 |
| 9.80 | 0.02 | 3 | 188.01 | 0.02 |
| 10.60 | 0.03 | 4 | 188.01 | 0.03 |
| 11.40 | **0.05** | 6 | 188.01 | 0.05 |
| 12.20 | **0.34** | **256** | **188.47** | **0.27** |
| 13.00 | 0.06 | **7** | **188.01** | **0.06** |
| 13.80 | 0.03 | 4 | 188.01 | 0.03 |
| 14.60 | 0.03 | 4 | 188.01 | 0.03 |
| 15.40 | 0.02 | 3 | 188.01 | 0.02 |
| 16.20 | 0.02 | 3 | 188.00 | 0.02 |
| 17.00 | 0.02 | 3 | 188.00 | 0.02 |
| 17.80 | 0.02 | 2 | 188.00 | 0.02 |
| 18.60 | 0.02 | 2 | 188.00 | 0.02 |
| 19.40 | 0.02 | 2 | 188.00 | 0.02 |
| 20.20 | 0.02 | 2 | 188.00 | 0.02 |
| 21.00 | 0.01 | 2 | 188.00 | 0.01 |
| 21.80 | 0.01 | 2 | 188.00 | 0.01 |
| 22.60 | 0.01 | 1 | 188.00 | 0.01 |
| 23.40 | 0.01 | 1 | 188.00 | 0.01 |
| 24.20 | 0.00 | 0 | 188.00 | 0.00 |
| 25.00 | 0.00 | 0 | 188.00 | 0.00 |
| 25.80 | 0.00 | 0 | 188.00 | 0.00 |
| 26.60 | 0.00 | 0 | 188.00 | 0.00 |
| 27.40 | 0.00 | 0 | 188.00 | 0.00 |
| 28.20 | 0.00 | 0 | 188.00 | 0.00 |
| 29.00 | 0.00 | 0 | 188.00 | 0.00 |
| 29.80 | 0.00 | 0 | 188.00 | 0.00 |

## Stage-Discharge for Pond 2P: Underground Storage

| Elevation (feet) | Discarded (cfs) | Elevation (feet) | Discarded (cfs) |
|---|---|---|---|
| 188.00 | 0.00 | 190.60 | 0.50 |
| 188.05 | 0.22 | 190.65 | 0.51 |
| 188.10 | 0.23 | 190.70 | 0.51 |
| 188.15 | 0.23 | 190.75 | 0.52 |
| 188.20 | 0.24 | 190.80 | 0.52 |
| 188.25 | 0.25 | 190.85 | 0.53 |
| 188.30 | 0.25 | 190.90 | 0.53 |
| 188.35 | 0.26 | 190.95 | 0.54 |
| 188.40 | 0.26 | 191.00 | 0.54 |
| 188.45 | 0.27 | 191.05 | 0.55 |
| 188.50 | 0.27 | 191.10 | 0.56 |
| 188.55 | 0.28 | 191.15 | 0.56 |
| 188.60 | 0.28 | 191.20 | 0.57 |
| 188.65 | 0.29 | 191.25 | 0.57 |
| 188.70 | 0.29 | 191.30 | 0.58 |
| 188.75 | 0.30 | 191.35 | 0.58 |
| 188.80 | 0.31 | 191.40 | 0.59 |
| 188.85 | 0.31 | 191.45 | 0.59 |
| 188.90 | 0.32 | 191.50 | 0.60 |
| 188.95 | 0.32 | 191.55 | 0.60 |
| 189.00 | 0.33 | 191.60 | 0.61 |
| 189.05 | 0.33 | 191.65 | 0.62 |
| 189.10 | 0.34 | 191.70 | 0.62 |
| 189.15 | 0.34 | 191.75 | 0.63 |
| 189.20 | 0.35 | 191.80 | 0.63 |
| 189.25 | 0.35 | 191.85 | 0.64 |
| 189.30 | 0.36 | 191.90 | 0.64 |
| 189.35 | 0.37 | 191.95 | 0.65 |
| 189.40 | 0.37 | 192.00 | 0.65 |
| 189.45 | 0.38 | 192.05 | 0.66 |
| 189.50 | 0.38 | 192.10 | 0.66 |
| 189.55 | 0.39 | 192.15 | 0.67 |
| 189.60 | 0.39 | 192.20 | 0.68 |
| 189.65 | 0.40 | 192.25 | 0.68 |
| 189.70 | 0.40 | 192.30 | 0.69 |
| 189.75 | 0.41 | 192.35 | 0.69 |
| 189.80 | 0.41 | 192.40 | 0.70 |
| 189.85 | 0.42 | 192.45 | 0.70 |
| 189.90 | 0.43 | 192.50 | 0.71 |
| 189.95 | 0.43 | 192.55 | 0.71 |
| 190.00 | 0.44 | 192.60 | 0.72 |
| 190.05 | 0.44 | 192.65 | 0.72 |
| 190.10 | 0.45 | 192.70 | 0.73 |
| 190.15 | 0.45 | 192.75 | 0.74 |
| 190.20 | 0.46 | 192.80 | 0.74 |
| 190.25 | 0.46 | 192.85 | 0.75 |
| 190.30 | 0.47 | 192.90 | 0.75 |
| 190.35 | 0.47 | 192.95 | 0.76 |
| 190.40 | 0.48 | 193.00 | **0.76** |
| 190.45 | 0.49 | | |
| 190.50 | 0.49 | | |
| 190.55 | 0.50 | | |

## Stage-Area-Storage for Pond 2P: Underground Storage

| Elevation (feet) | Horizontal (sq-ft) | Storage (cubic-feet) | Elevation (feet) | Horizontal (sq-ft) | Storage (cubic-feet) |
|---|---|---|---|---|---|
| 188.00 | 1,345 | 0 | 190.60 | 1,345 | 1,965 |
| 188.05 | 1,345 | 27 | 190.65 | 1,345 | 1,965 |
| 188.10 | 1,345 | 54 | 190.70 | 1,345 | 1,965 |
| 188.15 | 1,345 | 81 | 190.75 | 1,345 | 1,965 |
| 188.20 | 1,345 | 108 | 190.80 | 1,345 | 1,965 |
| 188.25 | 1,345 | 135 | 190.85 | 1,345 | 1,965 |
| 188.30 | 1,345 | 161 | 190.90 | 1,345 | 1,965 |
| 188.35 | 1,345 | 188 | 190.95 | 1,345 | 1,965 |
| 188.40 | 1,345 | 215 | 191.00 | 1,345 | 1,965 |
| 188.45 | 1,345 | 242 | 191.05 | 1,345 | 1,965 |
| 188.50 | 1,345 | 269 | 191.10 | 1,345 | 1,965 |
| 188.55 | 1,345 | 324 | 191.15 | 1,345 | 1,965 |
| 188.60 | 1,345 | 378 | 191.20 | 1,345 | 1,965 |
| 188.65 | 1,345 | 432 | 191.25 | 1,345 | 1,965 |
| 188.70 | 1,345 | 485 | 191.30 | 1,345 | 1,965 |
| 188.75 | 1,345 | 539 | 191.35 | 1,345 | 1,965 |
| 188.80 | 1,345 | 592 | 191.40 | 1,345 | 1,965 |
| 188.85 | 1,345 | 644 | 191.45 | 1,345 | 1,965 |
| 188.90 | 1,345 | 697 | 191.50 | 1,345 | 1,965 |
| 188.95 | 1,345 | 750 | 191.55 | 1,345 | 1,965 |
| 189.00 | 1,345 | 802 | 191.60 | 1,345 | 1,965 |
| 189.05 | 1,345 | 854 | 191.65 | 1,345 | 1,965 |
| 189.10 | 1,345 | 905 | 191.70 | 1,345 | 1,965 |
| 189.15 | 1,345 | 956 | 191.75 | 1,345 | 1,965 |
| 189.20 | 1,345 | 1,007 | 191.80 | 1,345 | 1,965 |
| 189.25 | 1,345 | 1,057 | 191.85 | 1,345 | 1,965 |
| 189.30 | 1,345 | 1,106 | 191.90 | 1,345 | 1,965 |
| 189.35 | 1,345 | 1,155 | 191.95 | 1,345 | 1,965 |
| 189.40 | 1,345 | 1,203 | 192.00 | 1,345 | 1,965 |
| 189.45 | 1,345 | 1,250 | 192.05 | 1,345 | 1,965 |
| 189.50 | 1,345 | 1,296 | 192.10 | 1,345 | 1,965 |
| 189.55 | 1,345 | 1,342 | 192.15 | 1,345 | 1,965 |
| 189.60 | 1,345 | 1,386 | 192.20 | 1,345 | 1,965 |
| 189.65 | 1,345 | 1,429 | 192.25 | 1,345 | 1,965 |
| 189.70 | 1,345 | 1,470 | 192.30 | 1,345 | 1,965 |
| 189.75 | 1,345 | 1,510 | 192.35 | 1,345 | 1,965 |
| 189.80 | 1,345 | 1,548 | 192.40 | 1,345 | 1,965 |
| 189.85 | 1,345 | 1,583 | 192.45 | 1,345 | 1,965 |
| 189.90 | 1,345 | 1,615 | 192.50 | 1,357 | 1,965 |
| 189.95 | 1,345 | 1,645 | 192.55 | 1,373 | 1,966 |
| 190.00 | 1,345 | 1,673 | 192.60 | 1,389 | 1,968 |
| 190.05 | 1,345 | 1,700 | 192.65 | 1,404 | 1,970 |
| 190.10 | 1,345 | 1,727 | 192.70 | 1,420 | 1,974 |
| 190.15 | 1,345 | 1,754 | 192.75 | 1,436 | 1,978 |
| 190.20 | 1,345 | 1,781 | 192.80 | 1,452 | 1,983 |
| 190.25 | 1,345 | 1,808 | 192.85 | 1,467 | 1,988 |
| 190.30 | 1,345 | 1,835 | 192.90 | 1,483 | 1,995 |
| 190.35 | 1,345 | 1,862 | 192.95 | 1,499 | 2,002 |
| 190.40 | 1,345 | 1,889 | 193.00 | **1,514** | **2,010** |
| 190.45 | 1,345 | 1,916 | | | |
| 190.50 | 1,345 | 1,943 | | | |
| 190.55 | 1,345 | 1,965 | | | |

## Summary for Pond CB1: Catch Basin #1

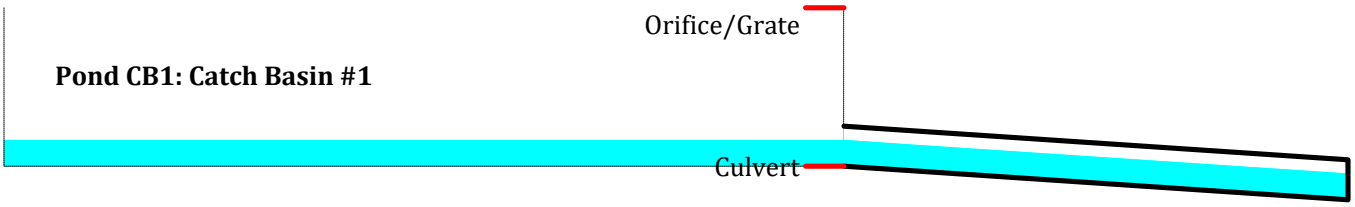
Inflow Area = 13,925 sf, 68.16% Impervious, Inflow Depth = 1.87" for 1-Year event
Inflow = 0.74 cfs @ 12.12 hrs, Volume= 2,169 cf
Outflow = 0.74 cfs @ 12.12 hrs, Volume= 2,169 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.74 cfs @ 12.12 hrs, Volume= 2,169 cf
Routed to Pond 2P : Underground Storage
Secondary = 0.00 cfs @ 1.00 hrs, Volume= 0 cf
Routed to Link 1L : Above Ground Storage

Routing by Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.04 hrs
Peak Elev= 189.74' @ 12.12 hrs
Flood Elev= 192.50'

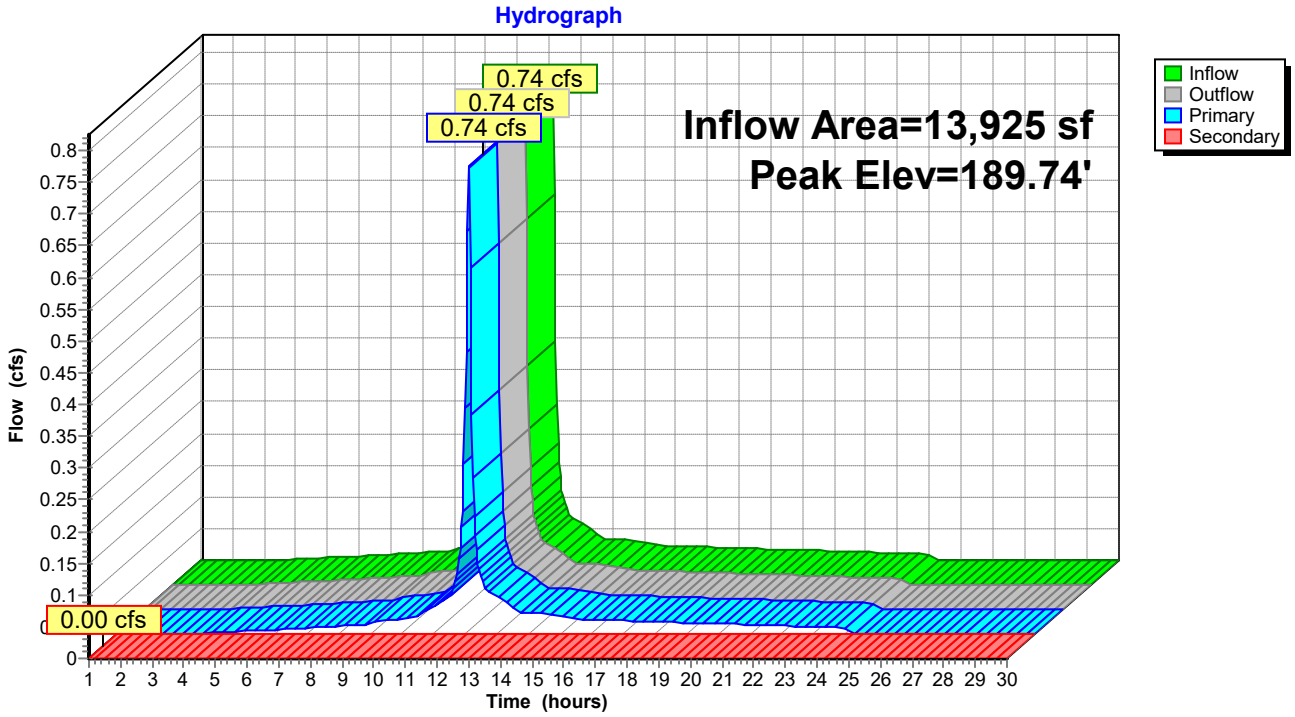
| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 189.20' | **10.0" Round Culvert** L= 3.0' CPP, projecting, no headwall, Ke= 0.900<br>Inlet / Outlet Invert= 189.20' / 188.50' S= 0.2333 '/' Cc= 0.900<br>n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.55 sf |
| #2 | Secondary | 192.50' | **2.0" x 4.0" Horiz. Orifice/Grate X 5.00 columns** X 5 rows C= 0.600<br>Limited to weir flow at low heads |

**Primary OutFlow** Max=0.72 cfs @ 12.12 hrs HW=189.73' (Free Discharge)
**1=Culvert** (Inlet Controls 0.72 cfs @ 1.96 fps)

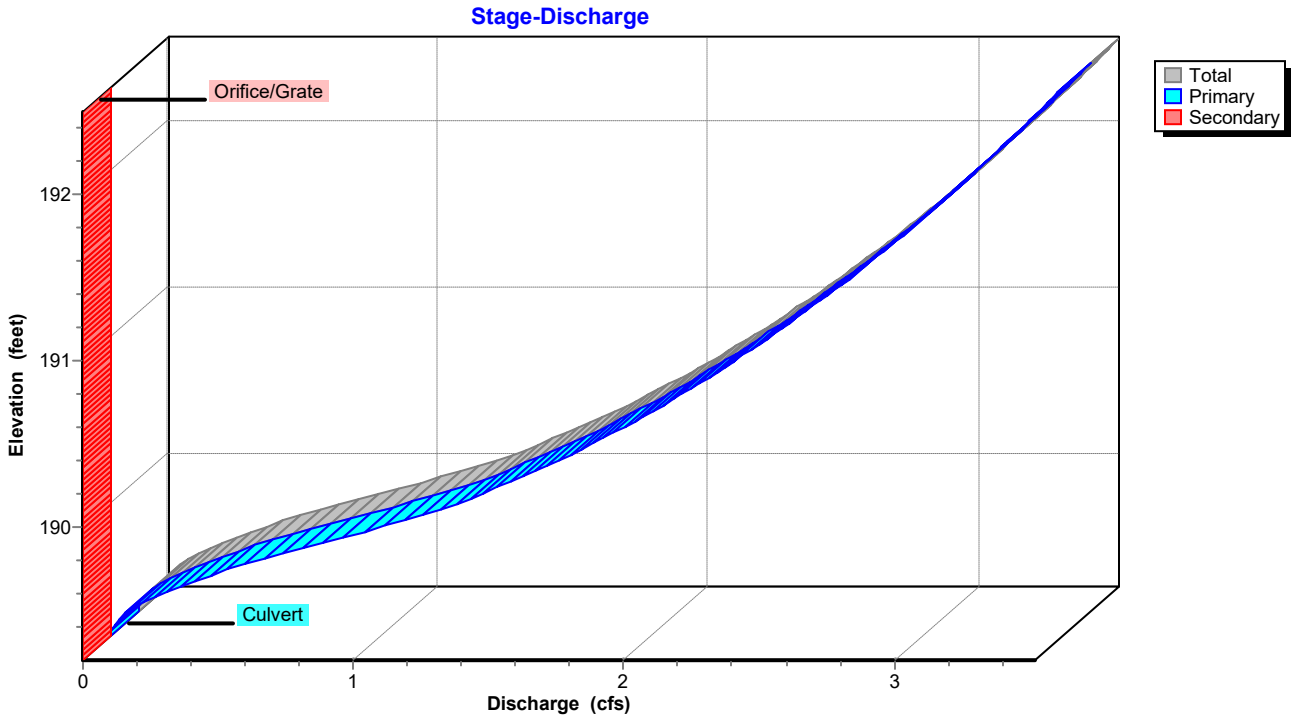
**Secondary OutFlow** Max=0.00 cfs @ 1.00 hrs HW=189.20' (Free Discharge)
**2=Orifice/Grate** ( Controls 0.00 cfs)



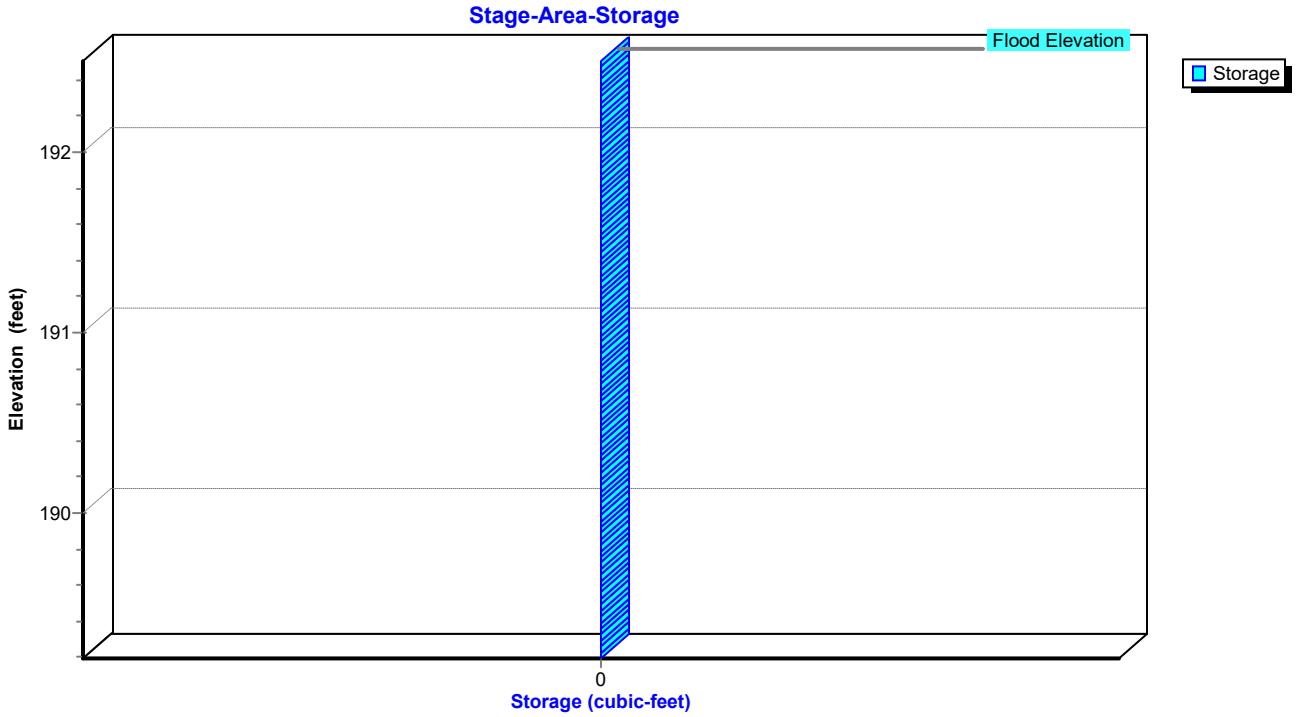
## Pond CB1: Catch Basin #1




## Pond CB1: Catch Basin #1



## Pond CB1: Catch Basin #1



## Hydrograph for Pond CB1: Catch Basin #1

| Time (hours) | Inflow (cfs) | Elevation (feet) | Outflow (cfs) | Primary (cfs) | Secondary (cfs) |
|---|---|---|---|---|---|
| 1.00 | 0.00 | 189.20 | 0.00 | 0.00 | **0.00** |
| 1.80 | 0.00 | 189.20 | 0.00 | 0.00 | 0.00 |
| 2.60 | 0.00 | 189.20 | 0.00 | 0.00 | 0.00 |
| 3.40 | 0.00 | 189.20 | 0.00 | 0.00 | 0.00 |
| 4.20 | 0.00 | 189.22 | 0.00 | 0.00 | 0.00 |
| 5.00 | 0.00 | 189.23 | 0.00 | 0.00 | 0.00 |
| 5.80 | 0.01 | 189.24 | 0.01 | 0.01 | 0.00 |
| 6.60 | 0.01 | 189.25 | 0.01 | 0.01 | 0.00 |
| 7.40 | 0.01 | 189.26 | 0.01 | 0.01 | 0.00 |
| 8.20 | 0.01 | 189.26 | 0.01 | 0.01 | 0.00 |
| 9.00 | 0.02 | 189.27 | 0.02 | 0.02 | 0.00 |
| 9.80 | 0.02 | 189.28 | 0.02 | 0.02 | 0.00 |
| 10.60 | 0.03 | 189.30 | 0.03 | 0.03 | 0.00 |
| 11.40 | **0.05** | **189.33** | **0.05** | **0.05** | 0.00 |
| 12.20 | **0.34** | **189.55** | **0.34** | **0.34** | 0.00 |
| 13.00 | 0.06 | 189.34 | 0.06 | 0.06 | 0.00 |
| 13.80 | 0.03 | 189.30 | 0.03 | 0.03 | 0.00 |
| 14.60 | 0.03 | 189.30 | 0.03 | 0.03 | 0.00 |
| 15.40 | 0.02 | 189.28 | 0.02 | 0.02 | 0.00 |
| 16.20 | 0.02 | 189.28 | 0.02 | 0.02 | 0.00 |
| 17.00 | 0.02 | 189.28 | 0.02 | 0.02 | 0.00 |
| 17.80 | 0.02 | 189.28 | 0.02 | 0.02 | 0.00 |
| 18.60 | 0.02 | 189.27 | 0.02 | 0.02 | 0.00 |
| 19.40 | 0.02 | 189.27 | 0.02 | 0.02 | 0.00 |
| 20.20 | 0.02 | 189.27 | 0.02 | 0.02 | 0.00 |
| 21.00 | 0.01 | 189.27 | 0.01 | 0.01 | 0.00 |
| 21.80 | 0.01 | 189.26 | 0.01 | 0.01 | 0.00 |
| 22.60 | 0.01 | 189.26 | 0.01 | 0.01 | 0.00 |
| 23.40 | 0.01 | 189.25 | 0.01 | 0.01 | 0.00 |
| 24.20 | 0.00 | 189.20 | 0.00 | 0.00 | 0.00 |
| 25.00 | 0.00 | 189.20 | 0.00 | 0.00 | 0.00 |
| 25.80 | 0.00 | 189.20 | 0.00 | 0.00 | 0.00 |
| 26.60 | 0.00 | 189.20 | 0.00 | 0.00 | 0.00 |
| 27.40 | 0.00 | 189.20 | 0.00 | 0.00 | 0.00 |
| 28.20 | 0.00 | 189.20 | 0.00 | 0.00 | 0.00 |
| 29.00 | 0.00 | 189.20 | 0.00 | 0.00 | 0.00 |
| 29.80 | 0.00 | 189.20 | 0.00 | 0.00 | 0.00 |

## Stage-Discharge for Pond CB1: Catch Basin #1

| Elevation (feet) | Discharge (cfs) | Primary (cfs) | Secondary (cfs) |
|---|---|---|---|
| 189.20 | 0.00 | 0.00 | 0.00 |
| 189.25 | 0.01 | 0.01 | 0.00 |
| 189.30 | 0.03 | 0.03 | 0.00 |
| 189.35 | 0.07 | 0.07 | 0.00 |
| 189.40 | 0.12 | 0.12 | 0.00 |
| 189.45 | 0.18 | 0.18 | 0.00 |
| 189.50 | 0.26 | 0.26 | 0.00 |
| 189.55 | 0.35 | 0.35 | 0.00 |
| 189.60 | 0.44 | 0.44 | 0.00 |
| 189.65 | 0.54 | 0.54 | 0.00 |
| 189.70 | 0.65 | 0.65 | 0.00 |
| 189.75 | 0.76 | 0.76 | 0.00 |
| 189.80 | 0.88 | 0.88 | 0.00 |
| 189.85 | 0.99 | 0.99 | 0.00 |
| 189.90 | 1.10 | 1.10 | 0.00 |
| 189.95 | 1.20 | 1.20 | 0.00 |
| 190.00 | 1.29 | 1.29 | 0.00 |
| 190.05 | 1.36 | 1.36 | 0.00 |
| 190.10 | 1.44 | 1.44 | 0.00 |
| 190.15 | 1.51 | 1.51 | 0.00 |
| 190.20 | 1.58 | 1.58 | 0.00 |
| 190.25 | 1.65 | 1.65 | 0.00 |
| 190.30 | 1.71 | 1.71 | 0.00 |
| 190.35 | 1.78 | 1.78 | 0.00 |
| 190.40 | 1.83 | 1.83 | 0.00 |
| 190.45 | 1.89 | 1.89 | 0.00 |
| 190.50 | 1.95 | 1.95 | 0.00 |
| 190.55 | 2.00 | 2.00 | 0.00 |
| 190.60 | 2.06 | 2.06 | 0.00 |
| 190.65 | 2.11 | 2.11 | 0.00 |
| 190.70 | 2.16 | 2.16 | 0.00 |
| 190.75 | 2.21 | 2.21 | 0.00 |
| 190.80 | 2.26 | 2.26 | 0.00 |
| 190.85 | 2.30 | 2.30 | 0.00 |
| 190.90 | 2.35 | 2.35 | 0.00 |
| 190.95 | 2.39 | 2.39 | 0.00 |
| 191.00 | 2.44 | 2.44 | 0.00 |
| 191.05 | 2.48 | 2.48 | 0.00 |
| 191.10 | 2.53 | 2.53 | 0.00 |
| 191.15 | 2.57 | 2.57 | 0.00 |
| 191.20 | 2.61 | 2.61 | 0.00 |
| 191.25 | 2.65 | 2.65 | 0.00 |
| 191.30 | 2.69 | 2.69 | 0.00 |
| 191.35 | 2.73 | 2.73 | 0.00 |
| 191.40 | 2.77 | 2.77 | 0.00 |
| 191.45 | 2.81 | 2.81 | 0.00 |
| 191.50 | 2.85 | 2.85 | 0.00 |
| 191.55 | 2.88 | 2.88 | 0.00 |
| 191.60 | 2.92 | 2.92 | 0.00 |
| 191.65 | 2.96 | 2.96 | 0.00 |
| 191.70 | 2.99 | 2.99 | 0.00 |
| 191.75 | 3.03 | 3.03 | 0.00 |
| 191.80 | 3.06 | 3.06 | 0.00 |
| 191.85 | 3.10 | 3.10 | 0.00 |
| 191.90 | 3.13 | 3.13 | 0.00 |
| 191.95 | 3.17 | 3.17 | 0.00 |
| 192.00 | 3.20 | 3.20 | 0.00 |
| 192.05 | 3.23 | 3.23 | 0.00 |
| 192.10 | 3.27 | 3.27 | 0.00 |
| 192.15 | 3.30 | 3.30 | 0.00 |
| 192.20 | 3.33 | 3.33 | 0.00 |
| 192.25 | 3.36 | 3.36 | 0.00 |
| 192.30 | 3.40 | 3.40 | 0.00 |
| 192.35 | 3.43 | 3.43 | 0.00 |
| 192.40 | 3.46 | 3.46 | 0.00 |
| 192.45 | 3.49 | 3.49 | 0.00 |
| 192.50 | **3.52** | **3.52** | **0.00** |

## Stage-Area-Storage for Pond CB1: Catch Basin #1

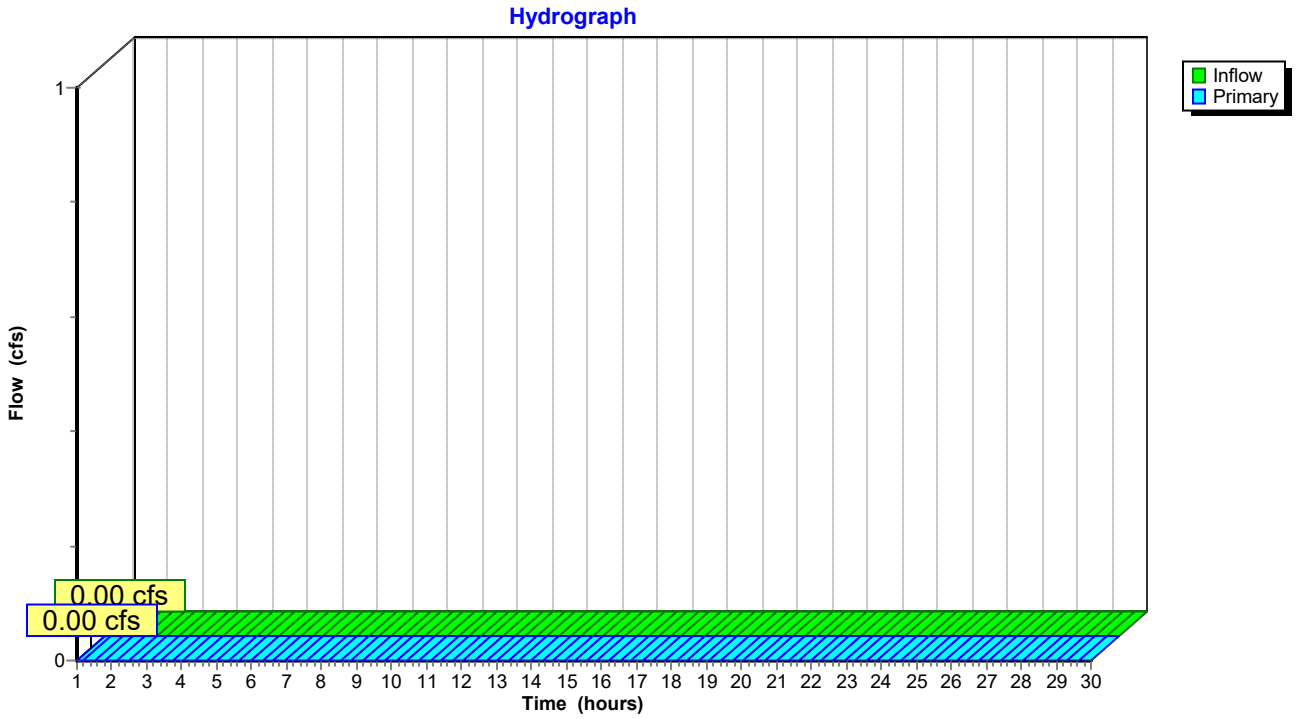
| Elevation (feet) | Storage (cubic-feet) | Elevation (feet) | Storage (cubic-feet) | Elevation (feet) | Storage (cubic-feet) | Elevation (feet) | Storage (cubic-feet) |
|---|---|---|---|---|---|---|---|
| 189.20 | **0** | 190.24 | 0 | 191.28 | 0 | 192.32 | 0 |
| 189.22 | 0 | 190.26 | 0 | 191.30 | 0 | 192.34 | 0 |
| 189.24 | 0 | 190.28 | 0 | 191.32 | 0 | 192.36 | 0 |
| 189.26 | 0 | 190.30 | 0 | 191.34 | 0 | 192.38 | 0 |
| 189.28 | 0 | 190.32 | 0 | 191.36 | 0 | 192.40 | 0 |
| 189.30 | 0 | 190.34 | 0 | 191.38 | 0 | 192.42 | 0 |
| 189.32 | 0 | 190.36 | 0 | 191.40 | 0 | 192.44 | 0 |
| 189.34 | 0 | 190.38 | 0 | 191.42 | 0 | 192.46 | 0 |
| 189.36 | 0 | 190.40 | 0 | 191.44 | 0 | 192.48 | 0 |
| 189.38 | 0 | 190.42 | 0 | 191.46 | 0 | 192.50 | 0 |
| 189.40 | 0 | 190.44 | 0 | 191.48 | 0 | | |
| 189.42 | 0 | 190.46 | 0 | 191.50 | 0 | | |
| 189.44 | 0 | 190.48 | 0 | 191.52 | 0 | | |
| 189.46 | 0 | 190.50 | 0 | 191.54 | 0 | | |
| 189.48 | 0 | 190.52 | 0 | 191.56 | 0 | | |
| 189.50 | 0 | 190.54 | 0 | 191.58 | 0 | | |
| 189.52 | 0 | 190.56 | 0 | 191.60 | 0 | | |
| 189.54 | 0 | 190.58 | 0 | 191.62 | 0 | | |
| 189.56 | 0 | 190.60 | 0 | 191.64 | 0 | | |
| 189.58 | 0 | 190.62 | 0 | 191.66 | 0 | | |
| 189.60 | 0 | 190.64 | 0 | 191.68 | 0 | | |
| 189.62 | 0 | 190.66 | 0 | 191.70 | 0 | | |
| 189.64 | 0 | 190.68 | 0 | 191.72 | 0 | | |
| 189.66 | 0 | 190.70 | 0 | 191.74 | 0 | | |
| 189.68 | 0 | 190.72 | 0 | 191.76 | 0 | | |
| 189.70 | 0 | 190.74 | 0 | 191.78 | 0 | | |
| 189.72 | 0 | 190.76 | 0 | 191.80 | 0 | | |
| 189.74 | 0 | 190.78 | 0 | 191.82 | 0 | | |
| 189.76 | 0 | 190.80 | 0 | 191.84 | 0 | | |
| 189.78 | 0 | 190.82 | 0 | 191.86 | 0 | | |
| 189.80 | 0 | 190.84 | 0 | 191.88 | 0 | | |
| 189.82 | 0 | 190.86 | 0 | 191.90 | 0 | | |
| 189.84 | 0 | 190.88 | 0 | 191.92 | 0 | | |
| 189.86 | 0 | 190.90 | 0 | 191.94 | 0 | | |
| 189.88 | 0 | 190.92 | 0 | 191.96 | 0 | | |
| 189.90 | 0 | 190.94 | 0 | 191.98 | 0 | | |
| 189.92 | 0 | 190.96 | 0 | 192.00 | 0 | | |
| 189.94 | 0 | 190.98 | 0 | 192.02 | 0 | | |
| 189.96 | 0 | 191.00 | 0 | 192.04 | 0 | | |
| 189.98 | 0 | 191.02 | 0 | 192.06 | 0 | | |
| 190.00 | 0 | 191.04 | 0 | 192.08 | 0 | | |
| 190.02 | 0 | 191.06 | 0 | 192.10 | 0 | | |
| 190.04 | 0 | 191.08 | 0 | 192.12 | 0 | | |
| 190.06 | 0 | 191.10 | 0 | 192.14 | 0 | | |
| 190.08 | 0 | 191.12 | 0 | 192.16 | 0 | | |
| 190.10 | 0 | 191.14 | 0 | 192.18 | 0 | | |
| 190.12 | 0 | 191.16 | 0 | 192.20 | 0 | | |
| 190.14 | 0 | 191.18 | 0 | 192.22 | 0 | | |
| 190.16 | 0 | 191.20 | 0 | 192.24 | 0 | | |
| 190.18 | 0 | 191.22 | 0 | 192.26 | 0 | | |
| 190.20 | 0 | 191.24 | 0 | 192.28 | 0 | | |
| 190.22 | 0 | 191.26 | 0 | 192.30 | 0 | | |

## Summary for Link 1L: Above Ground Storage

| | | | | |
|---|---|---|---|---|
| Inflow | = | 0.00 cfs @ | 1.00 hrs, Volume= | 0 cf |
| Primary | = | 0.00 cfs @ | 1.00 hrs, Volume= | 0 cf, Atten= 0%, Lag= 0.0 min |

Primary outflow = Inflow, Time Span= 1.00-30.00 hrs, dt= 0.04 hrs

## Link 1L: Above Ground Storage



## Hydrograph for Link 1L: Above Ground Storage

| Time (hours) | Inflow (cfs) | Elevation (feet) | Primary (cfs) | Time (hours) | Inflow (cfs) | Elevation (feet) | Primary (cfs) |
|---|---|---|---|---|---|---|---|
| 1.00 | **0.00** | **0.00** | **0.00** | 21.80 | 0.00 | 0.00 | 0.00 |
| 1.40 | 0.00 | 0.00 | 0.00 | 22.20 | 0.00 | 0.00 | 0.00 |
| 1.80 | 0.00 | 0.00 | 0.00 | 22.60 | 0.00 | 0.00 | 0.00 |
| 2.20 | 0.00 | 0.00 | 0.00 | 23.00 | 0.00 | 0.00 | 0.00 |
| 2.60 | 0.00 | 0.00 | 0.00 | 23.40 | 0.00 | 0.00 | 0.00 |
| 3.00 | 0.00 | 0.00 | 0.00 | 23.80 | 0.00 | 0.00 | 0.00 |
| 3.40 | 0.00 | 0.00 | 0.00 | 24.20 | 0.00 | 0.00 | 0.00 |
| 3.80 | 0.00 | 0.00 | 0.00 | 24.60 | 0.00 | 0.00 | 0.00 |
| 4.20 | 0.00 | 0.00 | 0.00 | 25.00 | 0.00 | 0.00 | 0.00 |
| 4.60 | 0.00 | 0.00 | 0.00 | 25.40 | 0.00 | 0.00 | 0.00 |
| 5.00 | 0.00 | 0.00 | 0.00 | 25.80 | 0.00 | 0.00 | 0.00 |
| 5.40 | 0.00 | 0.00 | 0.00 | 26.20 | 0.00 | 0.00 | 0.00 |
| 5.80 | 0.00 | 0.00 | 0.00 | 26.60 | 0.00 | 0.00 | 0.00 |
| 6.20 | 0.00 | 0.00 | 0.00 | 27.00 | 0.00 | 0.00 | 0.00 |
| 6.60 | 0.00 | 0.00 | 0.00 | 27.40 | 0.00 | 0.00 | 0.00 |
| 7.00 | 0.00 | 0.00 | 0.00 | 27.80 | 0.00 | 0.00 | 0.00 |
| 7.40 | 0.00 | 0.00 | 0.00 | 28.20 | 0.00 | 0.00 | 0.00 |
| 7.80 | 0.00 | 0.00 | 0.00 | 28.60 | 0.00 | 0.00 | 0.00 |
| 8.20 | 0.00 | 0.00 | 0.00 | 29.00 | 0.00 | 0.00 | 0.00 |
| 8.60 | 0.00 | 0.00 | 0.00 | 29.40 | 0.00 | 0.00 | 0.00 |
| 9.00 | 0.00 | 0.00 | 0.00 | 29.80 | 0.00 | 0.00 | 0.00 |
| 9.40 | 0.00 | 0.00 | 0.00 | | | | |
| 9.80 | 0.00 | 0.00 | 0.00 | | | | |
| 10.20 | 0.00 | 0.00 | 0.00 | | | | |
| 10.60 | 0.00 | 0.00 | 0.00 | | | | |
| 11.00 | 0.00 | 0.00 | 0.00 | | | | |
| 11.40 | 0.00 | 0.00 | 0.00 | | | | |
| 11.80 | 0.00 | 0.00 | 0.00 | | | | |
| 12.20 | 0.00 | 0.00 | 0.00 | | | | |
| 12.60 | 0.00 | 0.00 | 0.00 | | | | |
| 13.00 | 0.00 | 0.00 | 0.00 | | | | |
| 13.40 | 0.00 | 0.00 | 0.00 | | | | |
| 13.80 | 0.00 | 0.00 | 0.00 | | | | |
| 14.20 | 0.00 | 0.00 | 0.00 | | | | |
| 14.60 | 0.00 | 0.00 | 0.00 | | | | |
| 15.00 | 0.00 | 0.00 | 0.00 | | | | |
| 15.40 | 0.00 | 0.00 | 0.00 | | | | |
| 15.80 | 0.00 | 0.00 | 0.00 | | | | |
| 16.20 | 0.00 | 0.00 | 0.00 | | | | |
| 16.60 | 0.00 | 0.00 | 0.00 | | | | |
| 17.00 | 0.00 | 0.00 | 0.00 | | | | |
| 17.40 | 0.00 | 0.00 | 0.00 | | | | |
| 17.80 | 0.00 | 0.00 | 0.00 | | | | |
| 18.20 | 0.00 | 0.00 | 0.00 | | | | |
| 18.60 | 0.00 | 0.00 | 0.00 | | | | |
| 19.00 | 0.00 | 0.00 | 0.00 | | | | |
| 19.40 | 0.00 | 0.00 | 0.00 | | | | |
| 19.80 | 0.00 | 0.00 | 0.00 | | | | |
| 20.20 | 0.00 | 0.00 | 0.00 | | | | |
| 20.60 | 0.00 | 0.00 | 0.00 | | | | |
| 21.00 | 0.00 | 0.00 | 0.00 | | | | |
| 21.40 | 0.00 | 0.00 | 0.00 | | | | |

## Summary for Subcatchment 2S: Proposed Site to Design Point

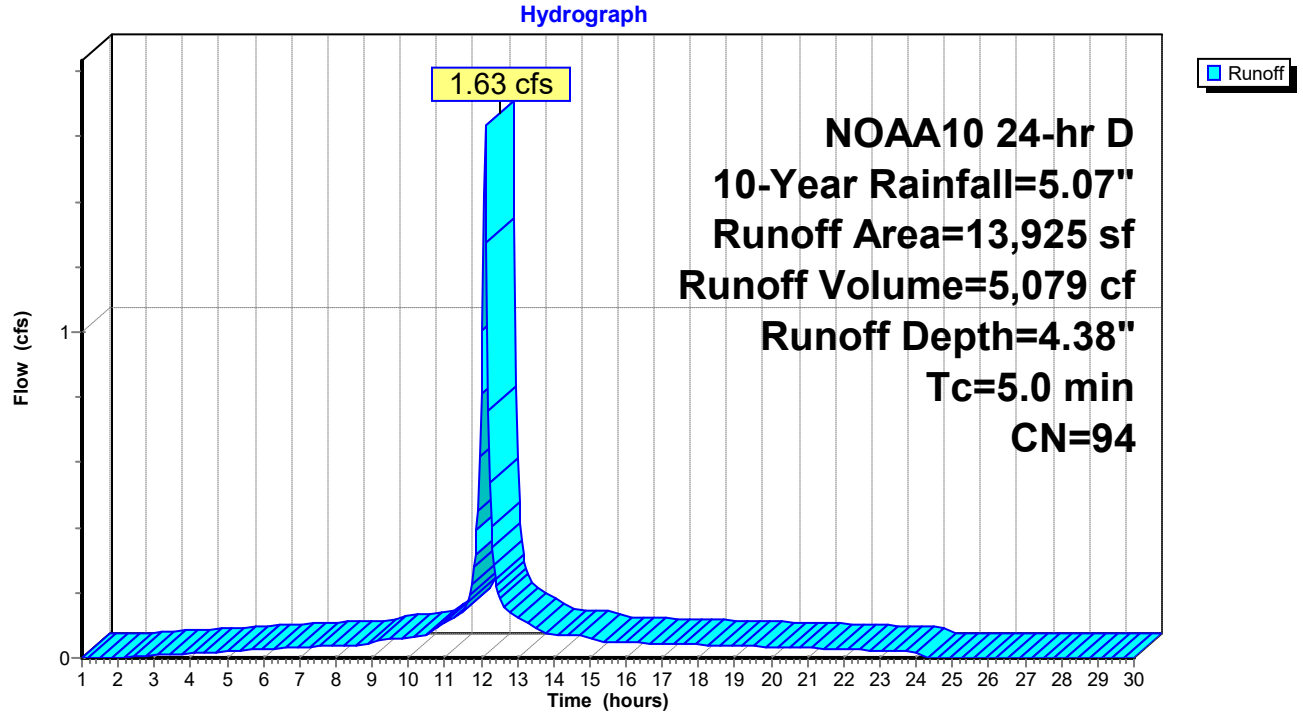
Runoff = 1.63 cfs @ 12.11 hrs, Volume= 5,079 cf, Depth= 4.38"
Routed to Pond CB1 : Catch Basin #1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-30.00 hrs, dt= 0.04 hrs
NOAA10 24-hr D 10-Year Rainfall=5.07"

| Area (sf) | CN | Description |
|---|---|---|
| 4,434 | 84 | 50-75% Grass cover, Fair, HSG D |
| 9,491 | 98 | Paved parking, HSG D |
| 13,925 | 94 | Weighted Average |
| 4,434 | | 31.84% Pervious Area |
| 9,491 | | 68.16% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 5.0 | | | | | **Direct Entry,** |

## Subcatchment 2S: Proposed Site to Design Point



## Hydrograph for Subcatchment 2S: Proposed Site to Design Point

| Time (hours) | Precip. (inches) | Excess (inches) | Runoff (cfs) |
|---|---|---|---|
| 1.00 | 0.07 | 0.00 | 0.00 |
| 1.40 | 0.10 | 0.00 | 0.00 |
| 1.80 | 0.13 | 0.00 | 0.00 |
| 2.20 | 0.16 | 0.00 | 0.00 |
| 2.60 | 0.20 | 0.01 | 0.00 |
| 3.00 | 0.23 | 0.01 | 0.01 |
| 3.40 | 0.27 | 0.03 | 0.01 |
| 3.80 | 0.31 | 0.04 | 0.01 |
| 4.20 | 0.35 | 0.06 | 0.02 |
| 4.60 | 0.40 | 0.08 | 0.02 |
| 5.00 | 0.44 | 0.10 | 0.02 |
| 5.40 | 0.49 | 0.13 | 0.02 |
| 5.80 | 0.54 | 0.16 | 0.03 |
| 6.20 | 0.59 | 0.19 | 0.03 |
| 6.60 | 0.64 | 0.23 | 0.03 |
| 7.00 | 0.70 | 0.27 | 0.03 |
| 7.40 | 0.76 | 0.31 | 0.03 |
| 7.80 | 0.81 | 0.35 | 0.04 |
| 8.20 | 0.87 | 0.40 | 0.04 |
| 8.60 | 0.93 | 0.45 | 0.04 |
| 9.00 | 1.00 | 0.50 | 0.04 |
| 9.40 | 1.08 | 0.57 | 0.06 |
| 9.80 | 1.17 | 0.65 | 0.06 |
| 10.20 | 1.26 | 0.72 | 0.06 |
| 10.60 | 1.36 | 0.81 | 0.08 |
| 11.00 | 1.50 | 0.94 | 0.11 |
| 11.40 | 1.67 | 1.09 | 0.13 |
| 11.80 | 1.95 | 1.35 | **0.28** |
| 12.20 | 3.12 | 2.47 | **0.76** |
| 12.60 | 3.40 | 2.74 | 0.16 |
| 13.00 | 3.57 | 2.90 | 0.13 |
| 13.40 | 3.71 | 3.04 | 0.10 |
| 13.80 | 3.81 | 3.14 | 0.07 |
| 14.20 | 3.90 | 3.23 | 0.07 |
| 14.60 | 3.99 | 3.31 | 0.07 |
| 15.00 | 4.07 | 3.39 | 0.07 |
| 15.40 | 4.14 | 3.46 | 0.05 |
| 15.80 | 4.20 | 3.52 | 0.05 |
| 16.20 | 4.26 | 3.58 | 0.05 |
| 16.60 | 4.31 | 3.63 | 0.05 |
| 17.00 | 4.37 | 3.69 | 0.04 |
| 17.40 | 4.43 | 3.74 | 0.04 |
| 17.80 | 4.48 | 3.79 | 0.04 |
| 18.20 | 4.53 | 3.84 | 0.04 |
| 18.60 | 4.58 | 3.89 | 0.04 |
| 19.00 | 4.63 | 3.94 | 0.04 |
| 19.40 | 4.67 | 3.99 | 0.04 |
| 19.80 | 4.72 | 4.03 | 0.03 |
| 20.20 | 4.76 | 4.07 | 0.03 |
| 20.60 | 4.80 | 4.11 | 0.03 |
| 21.00 | 4.84 | 4.15 | 0.03 |
| 21.40 | 4.87 | 4.18 | 0.03 |
| 21.80 | 4.91 | 4.22 | 0.03 |
| 22.20 | 4.94 | 4.25 | 0.03 |
| 22.60 | 4.97 | 4.28 | 0.02 |
| 23.00 | 5.00 | 4.31 | 0.02 |
| 23.40 | 5.03 | 4.34 | 0.02 |
| 23.80 | **5.06** | **4.36** | 0.02 |
| 24.20 | **5.07** | **4.38** | 0.00 |
| 24.60 | 5.07 | 4.38 | 0.00 |
| 25.00 | 5.07 | 4.38 | 0.00 |
| 25.40 | 5.07 | 4.38 | 0.00 |
| 25.80 | 5.07 | 4.38 | 0.00 |
| 26.20 | 5.07 | 4.38 | 0.00 |
| 26.60 | 5.07 | 4.38 | 0.00 |
| 27.00 | 5.07 | 4.38 | 0.00 |
| 27.40 | 5.07 | 4.38 | 0.00 |
| 27.80 | 5.07 | 4.38 | 0.00 |
| 28.20 | 5.07 | 4.38 | 0.00 |
| 28.60 | 5.07 | 4.38 | 0.00 |
| 29.00 | 5.07 | 4.38 | 0.00 |
| 29.40 | 5.07 | 4.38 | 0.00 |
| 29.80 | 5.07 | 4.38 | 0.00 |

## Summary for Pond 2P: Underground Storage

[42] Hint: Gap in defined storage above volume #1 at 190.54'
[79] Warning: Submerged Pond CB1 Primary device # 1 OUTLET by 0.62'

Inflow Area = 13,925 sf, 68.16% Impervious, Inflow Depth = 4.38" for 10-Year event
Inflow = 1.63 cfs @ 12.11 hrs, Volume= 5,079 cf
Outflow = 0.34 cfs @ 12.32 hrs, Volume= 5,079 cf, Atten= 79%, Lag= 12.3 min
Discarded = 0.34 cfs @ 12.32 hrs, Volume= 5,079 cf

Routing by Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.04 hrs
Peak Elev= 189.12' @ 12.32 hrs Surf.Area= 1,345 sf Storage= 929 cf
Flood Elev= 192.50' Surf.Area= 1,357 sf Storage= 1,965 cf

Plug-Flow detention time= 13.0 min calculated for 5,072 cf (100% of inflow)
Center-of-Mass det. time= 13.0 min ( 794.0 - 780.9 )

| Volume | Invert | Avail.Storage | Storage Description |
|---|---|---|---|
| #1A | 188.00' | 970 cf | **30.75'W x 43.75'L x 2.54'H Field A**<br>3,419 cf Overall - 995 cf Embedded = 2,424 cf x 40.0% Voids |
| #2A | 188.50' | 995 cf | **Cultec R-150XLHD** x 36 Inside #1<br>Effective Size= 29.8"W x 18.0"H => 2.65 sf x 10.25'L = 27.2 cf<br>Overall Size= 33.0"W x 18.5"H x 11.00'L with 0.75' Overlap<br>Row Length Adjustment= +0.75' x 2.65 sf x 9 rows |
| #3 | 192.50' | 45 cf | **Above Ground Storage (Prismatic)** Listed below (Recalc) |
| | | 2,010 cf | Total Available Storage |

Storage Group A created with Chamber Wizard

| Elevation (feet) | Surf.Area (sq-ft) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
|---|---|---|---|
| 192.50 | 12 | 0 | 0 |
| 193.00 | 169 | 45 | 45 |

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Discarded | 188.00' | **7.000 in/hr Exfiltration over Horizontal area from 186.00' - 188.01'**<br>Conductivity to Groundwater Elevation = 186.00'<br>Excluded Horizontal area = 0 sf |

**Discarded OutFlow** Max=0.34 cfs @ 12.32 hrs HW=189.12' (Free Discharge)
**1=Exfiltration** ( Controls 0.34 cfs)

## Pond 2P: Underground Storage - Chamber Wizard Field A

**Chamber Model = Cultec R-150XLHD (Cultec Recharger® 150XLHD)**
Effective Size= 29.8"W x 18.0"H => 2.65 sf x 10.25'L = 27.2 cf
Overall Size= 33.0"W x 18.5"H x 11.00'L with 0.75' Overlap
Row Length Adjustment= +0.75' x 2.65 sf x 9 rows

33.0" Wide + 6.0" Spacing = 39.0" C-C Row Spacing

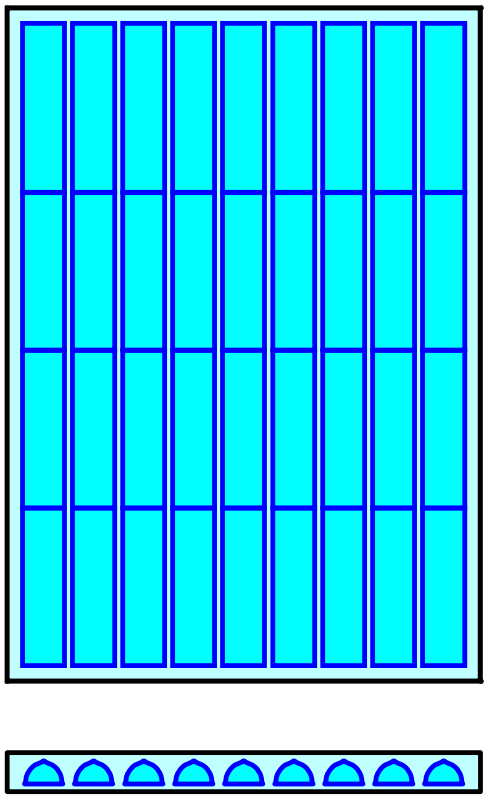
4 Chambers/Row x 10.25' Long +0.75' Row Adjustment = 41.75' Row Length +12.0" End Stone x 2 = 43.75' Base Length
9 Rows x 33.0" Wide + 6.0" Spacing x 8 + 12.0" Side Stone x 2 = 30.75' Base Width
6.0" Stone Base + 18.5" Chamber Height + 6.0" Stone Cover = 2.54' Field Height

36 Chambers x 27.2 cf +0.75' Row Adjustment x 2.65 sf x 9 Rows = 995.4 cf Chamber Storage

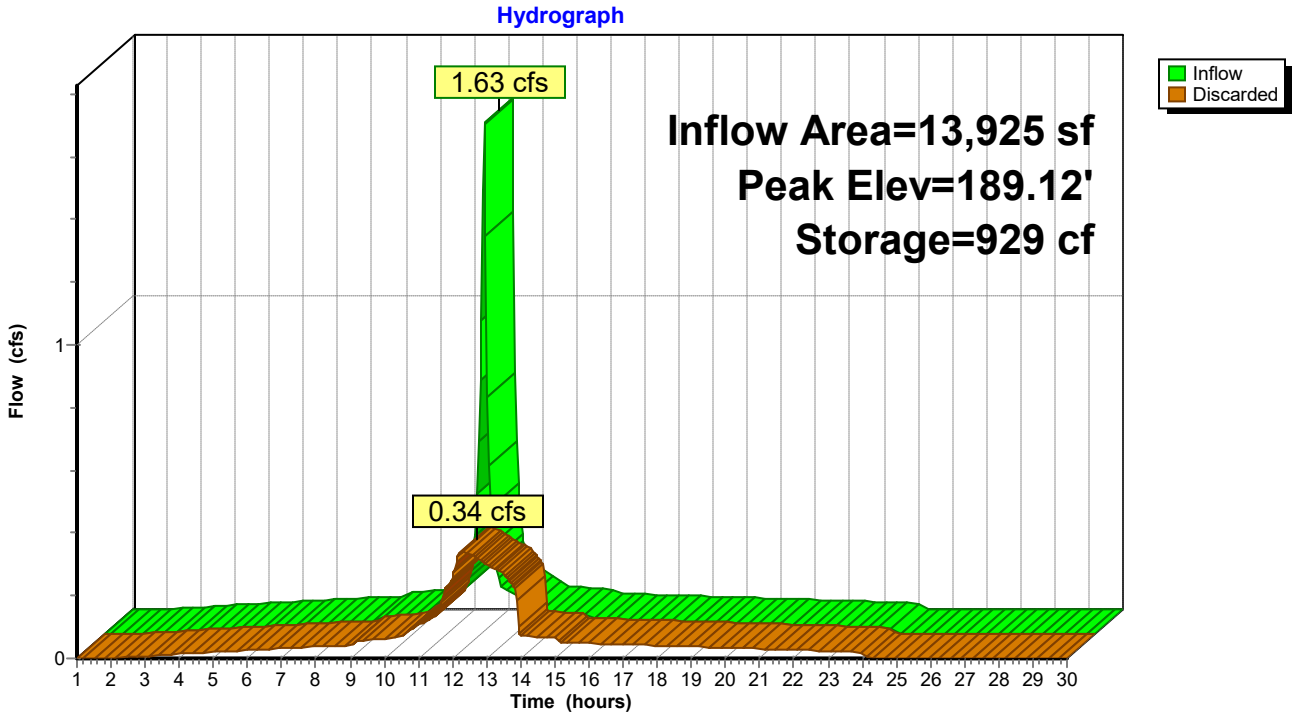
3,419.3 cf Field - 995.4 cf Chambers = 2,424.0 cf Stone x 40.0% Voids = 969.6 cf Stone Storage

Chamber Storage + Stone Storage = 1,965.0 cf = 0.045 af
Overall Storage Efficiency = 57.5%
Overall System Size = 43.75' x 30.75' x 2.54'

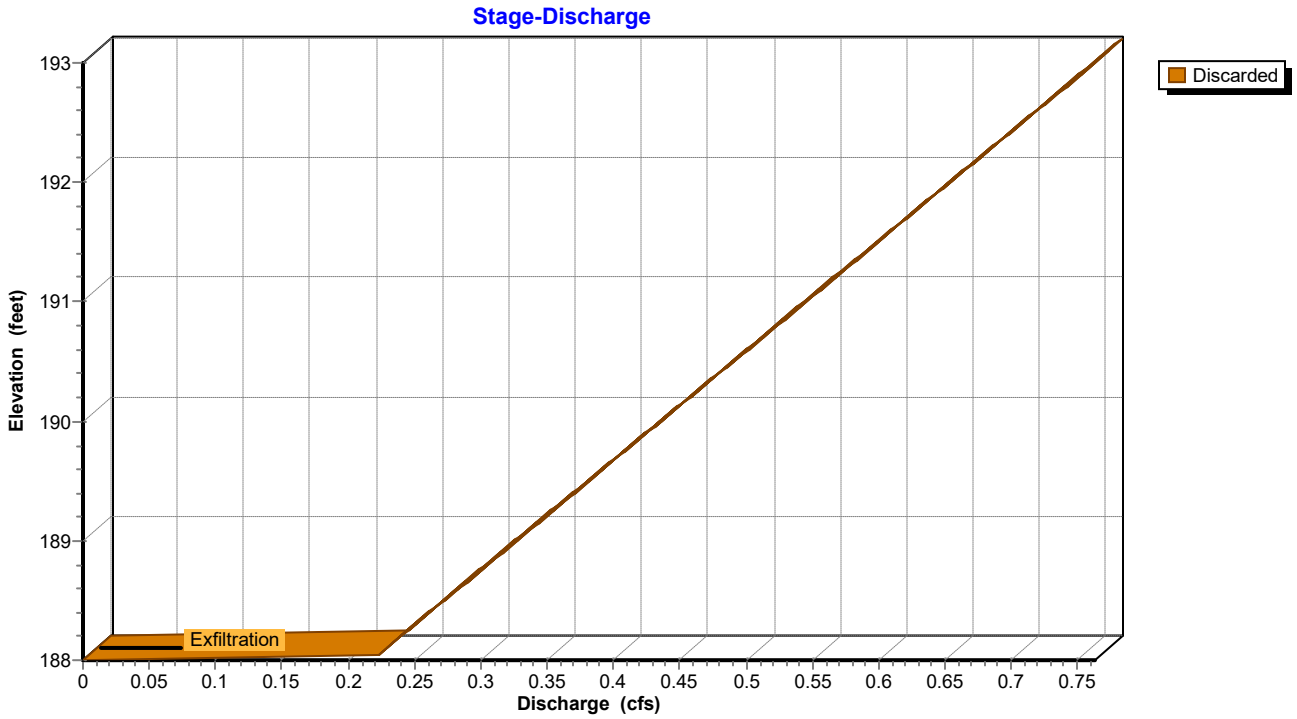
36 Chambers
126.6 cy Field
89.8 cy Stone



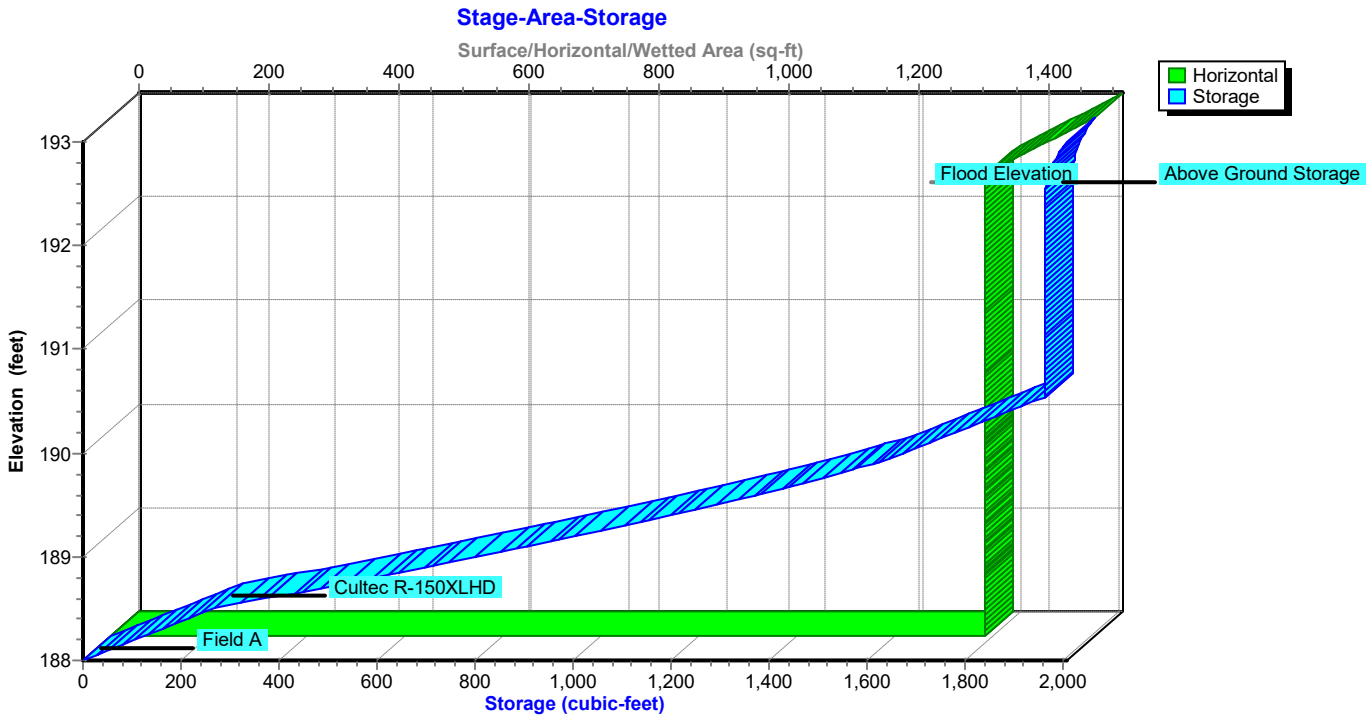
## Pond 2P: Underground Storage




## Pond 2P: Underground Storage



## Pond 2P: Underground Storage



## Hydrograph for Pond 2P: Underground Storage

| Time (hours) | Inflow (cfs) | Storage (cubic-feet) | Elevation (feet) | Discarded (cfs) |
|---|---|---|---|---|
| 1.00 | 0.00 | 0 | 188.00 | 0.00 |
| 1.80 | 0.00 | 0 | 188.00 | 0.00 |
| 2.60 | 0.00 | 1 | 188.00 | 0.00 |
| 3.40 | 0.01 | 1 | 188.00 | 0.01 |
| 4.20 | 0.02 | 2 | 188.00 | 0.02 |
| 5.00 | 0.02 | 2 | 188.00 | 0.02 |
| 5.80 | 0.03 | 3 | 188.01 | 0.02 |
| 6.60 | 0.03 | 4 | 188.01 | 0.03 |
| 7.40 | 0.03 | 4 | 188.01 | 0.03 |
| 8.20 | 0.04 | 5 | 188.01 | 0.04 |
| 9.00 | 0.04 | 5 | 188.01 | 0.04 |
| 9.80 | 0.06 | 7 | 188.01 | 0.06 |
| 10.60 | 0.08 | 9 | 188.02 | 0.08 |
| 11.40 | **0.13** | 16 | 188.03 | 0.13 |
| 12.20 | **0.76** | **861** | **189.06** | **0.33** |
| 13.00 | 0.13 | **561** | **188.77** | **0.30** |
| 13.80 | 0.07 | 64 | 188.12 | 0.23 |
| 14.60 | 0.07 | 8 | 188.02 | 0.07 |
| 15.40 | 0.05 | 6 | 188.01 | 0.05 |
| 16.20 | 0.05 | 6 | 188.01 | 0.05 |
| 17.00 | 0.04 | 5 | 188.01 | 0.04 |
| 17.80 | 0.04 | 5 | 188.01 | 0.04 |
| 18.60 | 0.04 | 5 | 188.01 | 0.04 |
| 19.40 | 0.04 | 4 | 188.01 | 0.04 |
| 20.20 | 0.03 | 4 | 188.01 | 0.03 |
| 21.00 | 0.03 | 4 | 188.01 | 0.03 |
| 21.80 | 0.03 | 3 | 188.01 | 0.03 |
| 22.60 | 0.02 | 3 | 188.01 | 0.02 |
| 23.40 | 0.02 | 3 | 188.00 | 0.02 |
| 24.20 | 0.00 | 0 | 188.00 | 0.00 |
| 25.00 | 0.00 | 0 | 188.00 | 0.00 |
| 25.80 | 0.00 | 0 | 188.00 | 0.00 |
| 26.60 | 0.00 | 0 | 188.00 | 0.00 |
| 27.40 | 0.00 | 0 | 188.00 | 0.00 |
| 28.20 | 0.00 | 0 | 188.00 | 0.00 |
| 29.00 | 0.00 | 0 | 188.00 | 0.00 |
| 29.80 | 0.00 | 0 | 188.00 | 0.00 |

## Stage-Discharge for Pond 2P: Underground Storage

| Elevation (feet) | Discarded (cfs) | Elevation (feet) | Discarded (cfs) |
|---|---|---|---|
| 188.00 | 0.00 | 190.60 | 0.50 |
| 188.05 | 0.22 | 190.65 | 0.51 |
| 188.10 | 0.23 | 190.70 | 0.51 |
| 188.15 | 0.23 | 190.75 | 0.52 |
| 188.20 | 0.24 | 190.80 | 0.52 |
| 188.25 | 0.25 | 190.85 | 0.53 |
| 188.30 | 0.25 | 190.90 | 0.53 |
| 188.35 | 0.26 | 190.95 | 0.54 |
| 188.40 | 0.26 | 191.00 | 0.54 |
| 188.45 | 0.27 | 191.05 | 0.55 |
| 188.50 | 0.27 | 191.10 | 0.56 |
| 188.55 | 0.28 | 191.15 | 0.56 |
| 188.60 | 0.28 | 191.20 | 0.57 |
| 188.65 | 0.29 | 191.25 | 0.57 |
| 188.70 | 0.29 | 191.30 | 0.58 |
| 188.75 | 0.30 | 191.35 | 0.58 |
| 188.80 | 0.31 | 191.40 | 0.59 |
| 188.85 | 0.31 | 191.45 | 0.59 |
| 188.90 | 0.32 | 191.50 | 0.60 |
| 188.95 | 0.32 | 191.55 | 0.60 |
| 189.00 | 0.33 | 191.60 | 0.61 |
| 189.05 | 0.33 | 191.65 | 0.62 |
| 189.10 | 0.34 | 191.70 | 0.62 |
| 189.15 | 0.34 | 191.75 | 0.63 |
| 189.20 | 0.35 | 191.80 | 0.63 |
| 189.25 | 0.35 | 191.85 | 0.64 |
| 189.30 | 0.36 | 191.90 | 0.64 |
| 189.35 | 0.37 | 191.95 | 0.65 |
| 189.40 | 0.37 | 192.00 | 0.65 |
| 189.45 | 0.38 | 192.05 | 0.66 |
| 189.50 | 0.38 | 192.10 | 0.66 |
| 189.55 | 0.39 | 192.15 | 0.67 |
| 189.60 | 0.39 | 192.20 | 0.68 |
| 189.65 | 0.40 | 192.25 | 0.68 |
| 189.70 | 0.40 | 192.30 | 0.69 |
| 189.75 | 0.41 | 192.35 | 0.69 |
| 189.80 | 0.41 | 192.40 | 0.70 |
| 189.85 | 0.42 | 192.45 | 0.70 |
| 189.90 | 0.43 | 192.50 | 0.71 |
| 189.95 | 0.43 | 192.55 | 0.71 |
| 190.00 | 0.44 | 192.60 | 0.72 |
| 190.05 | 0.44 | 192.65 | 0.72 |
| 190.10 | 0.45 | 192.70 | 0.73 |
| 190.15 | 0.45 | 192.75 | 0.74 |
| 190.20 | 0.46 | 192.80 | 0.74 |
| 190.25 | 0.46 | 192.85 | 0.75 |
| 190.30 | 0.47 | 192.90 | 0.75 |
| 190.35 | 0.47 | 192.95 | 0.76 |
| 190.40 | 0.48 | 193.00 | **0.76** |
| 190.45 | 0.49 | | |
| 190.50 | 0.49 | | |
| 190.55 | 0.50 | | |

## Stage-Area-Storage for Pond 2P: Underground Storage

| Elevation (feet) | Horizontal (sq-ft) | Storage (cubic-feet) | Elevation (feet) | Horizontal (sq-ft) | Storage (cubic-feet) |
|---|---|---|---|---|---|
| 188.00 | 1,345 | 0 | 190.60 | 1,345 | 1,965 |
| 188.05 | 1,345 | 27 | 190.65 | 1,345 | 1,965 |
| 188.10 | 1,345 | 54 | 190.70 | 1,345 | 1,965 |
| 188.15 | 1,345 | 81 | 190.75 | 1,345 | 1,965 |
| 188.20 | 1,345 | 108 | 190.80 | 1,345 | 1,965 |
| 188.25 | 1,345 | 135 | 190.85 | 1,345 | 1,965 |
| 188.30 | 1,345 | 161 | 190.90 | 1,345 | 1,965 |
| 188.35 | 1,345 | 188 | 190.95 | 1,345 | 1,965 |
| 188.40 | 1,345 | 215 | 191.00 | 1,345 | 1,965 |
| 188.45 | 1,345 | 242 | 191.05 | 1,345 | 1,965 |
| 188.50 | 1,345 | 269 | 191.10 | 1,345 | 1,965 |
| 188.55 | 1,345 | 324 | 191.15 | 1,345 | 1,965 |
| 188.60 | 1,345 | 378 | 191.20 | 1,345 | 1,965 |
| 188.65 | 1,345 | 432 | 191.25 | 1,345 | 1,965 |
| 188.70 | 1,345 | 485 | 191.30 | 1,345 | 1,965 |
| 188.75 | 1,345 | 539 | 191.35 | 1,345 | 1,965 |
| 188.80 | 1,345 | 592 | 191.40 | 1,345 | 1,965 |
| 188.85 | 1,345 | 644 | 191.45 | 1,345 | 1,965 |
| 188.90 | 1,345 | 697 | 191.50 | 1,345 | 1,965 |
| 188.95 | 1,345 | 750 | 191.55 | 1,345 | 1,965 |
| 189.00 | 1,345 | 802 | 191.60 | 1,345 | 1,965 |
| 189.05 | 1,345 | 854 | 191.65 | 1,345 | 1,965 |
| 189.10 | 1,345 | 905 | 191.70 | 1,345 | 1,965 |
| 189.15 | 1,345 | 956 | 191.75 | 1,345 | 1,965 |
| 189.20 | 1,345 | 1,007 | 191.80 | 1,345 | 1,965 |
| 189.25 | 1,345 | 1,057 | 191.85 | 1,345 | 1,965 |
| 189.30 | 1,345 | 1,106 | 191.90 | 1,345 | 1,965 |
| 189.35 | 1,345 | 1,155 | 191.95 | 1,345 | 1,965 |
| 189.40 | 1,345 | 1,203 | 192.00 | 1,345 | 1,965 |
| 189.45 | 1,345 | 1,250 | 192.05 | 1,345 | 1,965 |
| 189.50 | 1,345 | 1,296 | 192.10 | 1,345 | 1,965 |
| 189.55 | 1,345 | 1,342 | 192.15 | 1,345 | 1,965 |
| 189.60 | 1,345 | 1,386 | 192.20 | 1,345 | 1,965 |
| 189.65 | 1,345 | 1,429 | 192.25 | 1,345 | 1,965 |
| 189.70 | 1,345 | 1,470 | 192.30 | 1,345 | 1,965 |
| 189.75 | 1,345 | 1,510 | 192.35 | 1,345 | 1,965 |
| 189.80 | 1,345 | 1,548 | 192.40 | 1,345 | 1,965 |
| 189.85 | 1,345 | 1,583 | 192.45 | 1,345 | 1,965 |
| 189.90 | 1,345 | 1,615 | 192.50 | 1,357 | 1,965 |
| 189.95 | 1,345 | 1,645 | 192.55 | 1,373 | 1,966 |
| 190.00 | 1,345 | 1,673 | 192.60 | 1,389 | 1,968 |
| 190.05 | 1,345 | 1,700 | 192.65 | 1,404 | 1,970 |
| 190.10 | 1,345 | 1,727 | 192.70 | 1,420 | 1,974 |
| 190.15 | 1,345 | 1,754 | 192.75 | 1,436 | 1,978 |
| 190.20 | 1,345 | 1,781 | 192.80 | 1,452 | 1,983 |
| 190.25 | 1,345 | 1,808 | 192.85 | 1,467 | 1,988 |
| 190.30 | 1,345 | 1,835 | 192.90 | 1,483 | 1,995 |
| 190.35 | 1,345 | 1,862 | 192.95 | 1,499 | 2,002 |
| 190.40 | 1,345 | 1,889 | 193.00 | **1,514** | **2,010** |
| 190.45 | 1,345 | 1,916 | | | |
| 190.50 | 1,345 | 1,943 | | | |
| 190.55 | 1,345 | 1,965 | | | |

## Summary for Pond CB1: Catch Basin #1

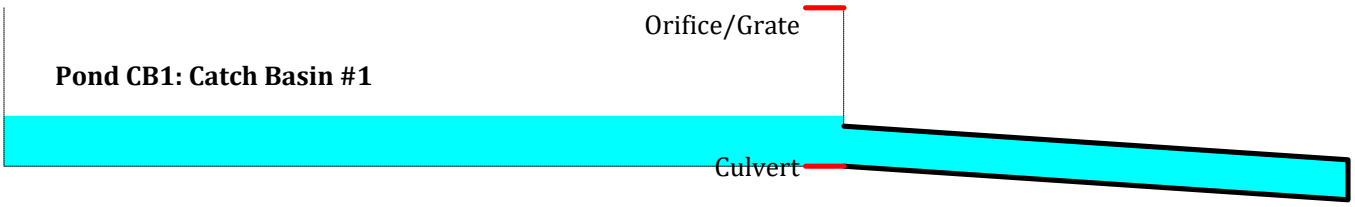
Inflow Area = 13,925 sf, 68.16% Impervious, Inflow Depth = 4.38" for 10-Year event
Inflow = 1.63 cfs @ 12.11 hrs, Volume= 5,079 cf
Outflow = 1.63 cfs @ 12.11 hrs, Volume= 5,079 cf, Atten= 0%, Lag= 0.0 min
Primary = 1.63 cfs @ 12.11 hrs, Volume= 5,079 cf
Routed to Pond 2P : Underground Storage
Secondary = 0.00 cfs @ 1.00 hrs, Volume= 0 cf
Routed to Link 1L : Above Ground Storage

Routing by Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.04 hrs
Peak Elev= 190.24' @ 12.12 hrs
Flood Elev= 192.50'

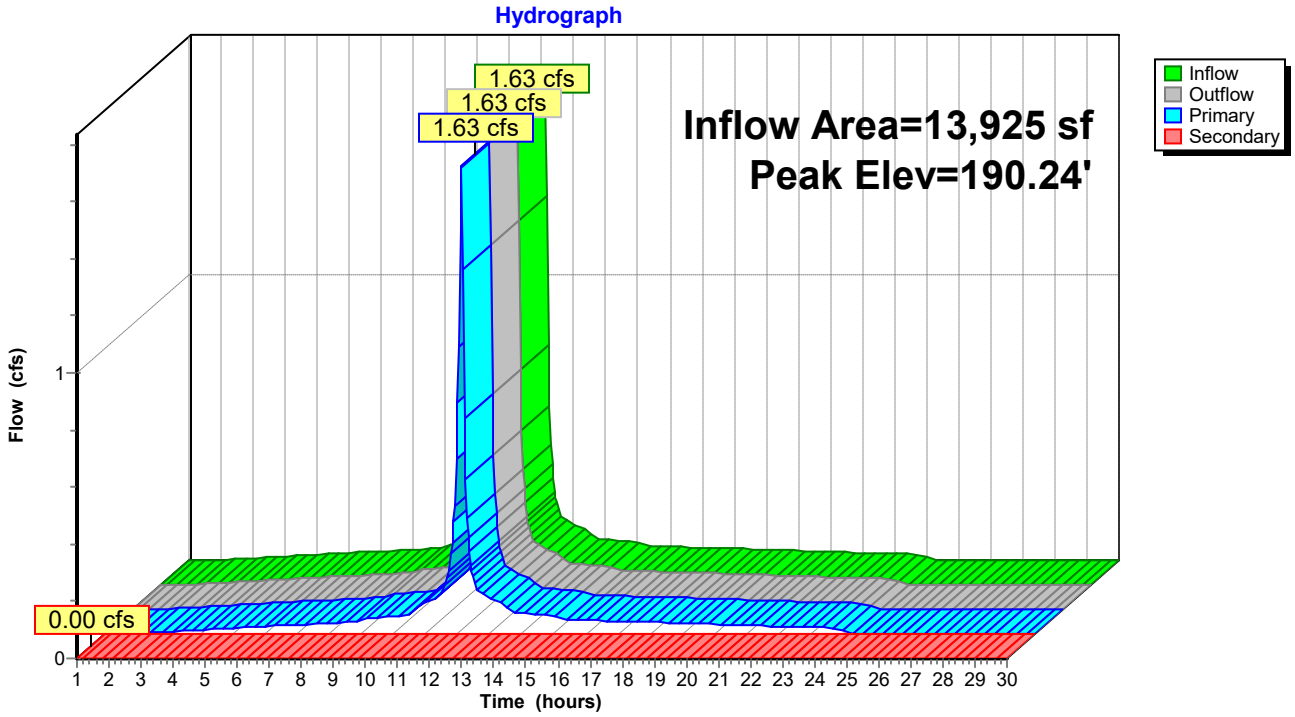
| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 189.20' | **10.0" Round Culvert** L= 3.0' CPP, projecting, no headwall, Ke= 0.900<br>Inlet / Outlet Invert= 189.20' / 188.50' S= 0.2333 '/' Cc= 0.900<br>n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.55 sf |
| #2 | Secondary | 192.50' | **2.0" x 4.0" Horiz. Orifice/Grate X 5.00 columns** X 5 rows C= 0.600<br>Limited to weir flow at low heads |

**Primary OutFlow** Max=1.61 cfs @ 12.11 hrs HW=190.22' (Free Discharge)
**1=Culvert** (Inlet Controls 1.61 cfs @ 2.94 fps)

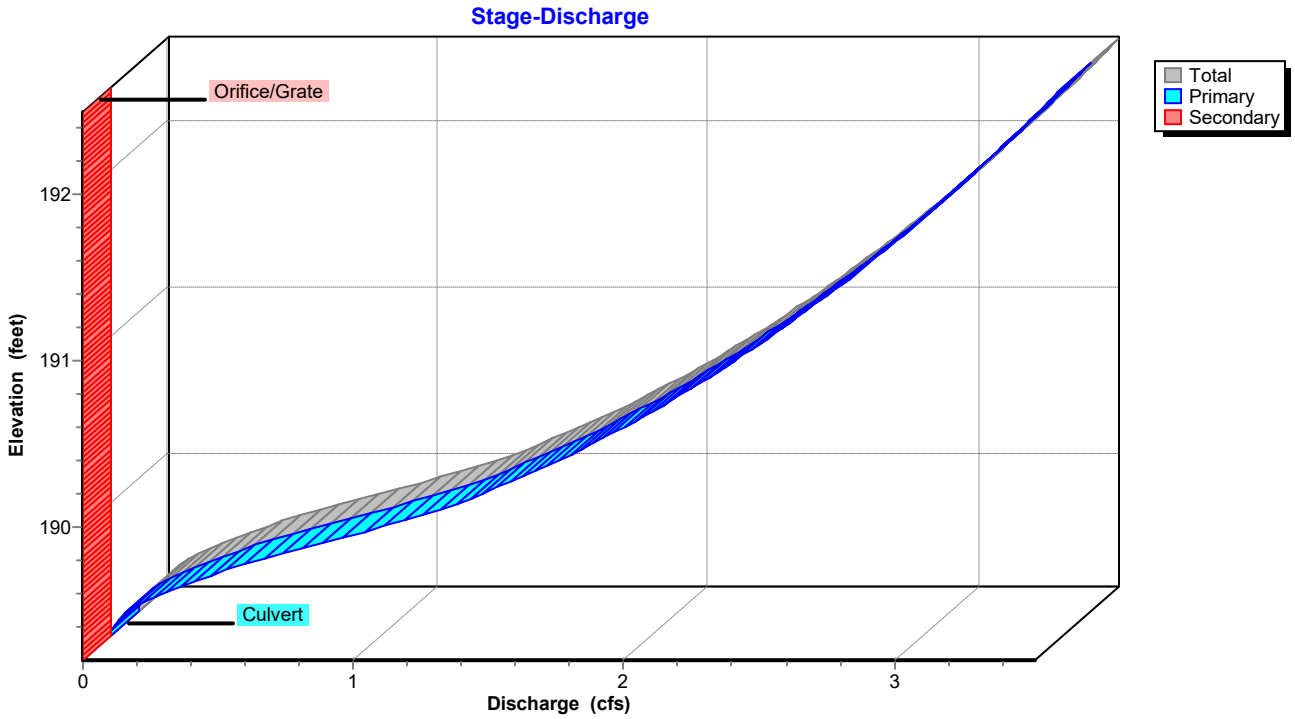
**Secondary OutFlow** Max=0.00 cfs @ 1.00 hrs HW=189.20' (Free Discharge)
**2=Orifice/Grate** ( Controls 0.00 cfs)



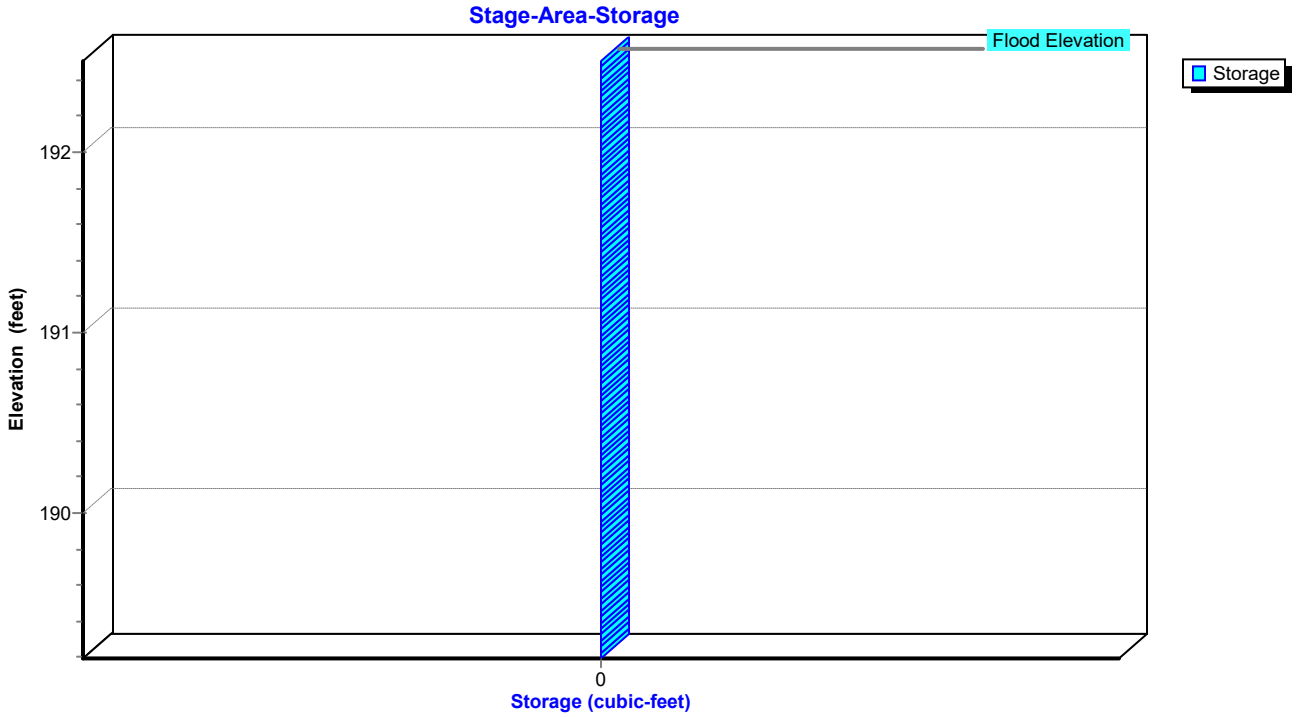
## Pond CB1: Catch Basin #1




## Pond CB1: Catch Basin #1



## Pond CB1: Catch Basin #1



## Hydrograph for Pond CB1: Catch Basin #1

| Time (hours) | Inflow (cfs) | Elevation (feet) | Outflow (cfs) | Primary (cfs) | Secondary (cfs) |
|---|---|---|---|---|---|
| 1.00 | 0.00 | 189.20 | 0.00 | 0.00 | **0.00** |
| 1.80 | 0.00 | 189.20 | 0.00 | 0.00 | 0.00 |
| 2.60 | 0.00 | 189.24 | 0.00 | 0.00 | 0.00 |
| 3.40 | 0.01 | 189.25 | 0.01 | 0.01 | 0.00 |
| 4.20 | 0.02 | 189.27 | 0.02 | 0.02 | 0.00 |
| 5.00 | 0.02 | 189.28 | 0.02 | 0.02 | 0.00 |
| 5.80 | 0.03 | 189.29 | 0.03 | 0.03 | 0.00 |
| 6.60 | 0.03 | 189.30 | 0.03 | 0.03 | 0.00 |
| 7.40 | 0.03 | 189.30 | 0.03 | 0.03 | 0.00 |
| 8.20 | 0.04 | 189.31 | 0.04 | 0.04 | 0.00 |
| 9.00 | 0.04 | 189.31 | 0.04 | 0.04 | 0.00 |
| 9.80 | 0.06 | 189.34 | 0.06 | 0.06 | 0.00 |
| 10.60 | 0.08 | 189.36 | 0.08 | 0.08 | 0.00 |
| 11.40 | **0.13** | **189.41** | **0.13** | **0.13** | 0.00 |
| 12.20 | **0.76** | **189.75** | **0.76** | **0.76** | 0.00 |
| 13.00 | 0.13 | 189.40 | 0.13 | 0.13 | 0.00 |
| 13.80 | 0.07 | 189.35 | 0.07 | 0.07 | 0.00 |
| 14.60 | 0.07 | 189.35 | 0.07 | 0.07 | 0.00 |
| 15.40 | 0.05 | 189.33 | 0.05 | 0.05 | 0.00 |
| 16.20 | 0.05 | 189.32 | 0.05 | 0.05 | 0.00 |
| 17.00 | 0.04 | 189.32 | 0.04 | 0.04 | 0.00 |
| 17.80 | 0.04 | 189.31 | 0.04 | 0.04 | 0.00 |
| 18.60 | 0.04 | 189.31 | 0.04 | 0.04 | 0.00 |
| 19.40 | 0.04 | 189.31 | 0.04 | 0.04 | 0.00 |
| 20.20 | 0.03 | 189.30 | 0.03 | 0.03 | 0.00 |
| 21.00 | 0.03 | 189.30 | 0.03 | 0.03 | 0.00 |
| 21.80 | 0.03 | 189.29 | 0.03 | 0.03 | 0.00 |
| 22.60 | 0.02 | 189.29 | 0.02 | 0.02 | 0.00 |
| 23.40 | 0.02 | 189.28 | 0.02 | 0.02 | 0.00 |
| 24.20 | 0.00 | 189.20 | 0.00 | 0.00 | 0.00 |
| 25.00 | 0.00 | 189.20 | 0.00 | 0.00 | 0.00 |
| 25.80 | 0.00 | 189.20 | 0.00 | 0.00 | 0.00 |
| 26.60 | 0.00 | 189.20 | 0.00 | 0.00 | 0.00 |
| 27.40 | 0.00 | 189.20 | 0.00 | 0.00 | 0.00 |
| 28.20 | 0.00 | 189.20 | 0.00 | 0.00 | 0.00 |
| 29.00 | 0.00 | 189.20 | 0.00 | 0.00 | 0.00 |
| 29.80 | 0.00 | 189.20 | 0.00 | 0.00 | 0.00 |

## Stage-Discharge for Pond CB1: Catch Basin #1

| Elevation (feet) | Discharge (cfs) | Primary (cfs) | Secondary (cfs) |
|---|---|---|---|
| 189.20 | 0.00 | 0.00 | 0.00 |
| 189.25 | 0.01 | 0.01 | 0.00 |
| 189.30 | 0.03 | 0.03 | 0.00 |
| 189.35 | 0.07 | 0.07 | 0.00 |
| 189.40 | 0.12 | 0.12 | 0.00 |
| 189.45 | 0.18 | 0.18 | 0.00 |
| 189.50 | 0.26 | 0.26 | 0.00 |
| 189.55 | 0.35 | 0.35 | 0.00 |
| 189.60 | 0.44 | 0.44 | 0.00 |
| 189.65 | 0.54 | 0.54 | 0.00 |
| 189.70 | 0.65 | 0.65 | 0.00 |
| 189.75 | 0.76 | 0.76 | 0.00 |
| 189.80 | 0.88 | 0.88 | 0.00 |
| 189.85 | 0.99 | 0.99 | 0.00 |
| 189.90 | 1.10 | 1.10 | 0.00 |
| 189.95 | 1.20 | 1.20 | 0.00 |
| 190.00 | 1.29 | 1.29 | 0.00 |
| 190.05 | 1.36 | 1.36 | 0.00 |
| 190.10 | 1.44 | 1.44 | 0.00 |
| 190.15 | 1.51 | 1.51 | 0.00 |
| 190.20 | 1.58 | 1.58 | 0.00 |
| 190.25 | 1.65 | 1.65 | 0.00 |
| 190.30 | 1.71 | 1.71 | 0.00 |
| 190.35 | 1.78 | 1.78 | 0.00 |
| 190.40 | 1.83 | 1.83 | 0.00 |
| 190.45 | 1.89 | 1.89 | 0.00 |
| 190.50 | 1.95 | 1.95 | 0.00 |
| 190.55 | 2.00 | 2.00 | 0.00 |
| 190.60 | 2.06 | 2.06 | 0.00 |
| 190.65 | 2.11 | 2.11 | 0.00 |
| 190.70 | 2.16 | 2.16 | 0.00 |
| 190.75 | 2.21 | 2.21 | 0.00 |
| 190.80 | 2.26 | 2.26 | 0.00 |
| 190.85 | 2.30 | 2.30 | 0.00 |
| 190.90 | 2.35 | 2.35 | 0.00 |
| 190.95 | 2.39 | 2.39 | 0.00 |
| 191.00 | 2.44 | 2.44 | 0.00 |
| 191.05 | 2.48 | 2.48 | 0.00 |
| 191.10 | 2.53 | 2.53 | 0.00 |
| 191.15 | 2.57 | 2.57 | 0.00 |
| 191.20 | 2.61 | 2.61 | 0.00 |
| 191.25 | 2.65 | 2.65 | 0.00 |
| 191.30 | 2.69 | 2.69 | 0.00 |
| 191.35 | 2.73 | 2.73 | 0.00 |
| 191.40 | 2.77 | 2.77 | 0.00 |
| 191.45 | 2.81 | 2.81 | 0.00 |
| 191.50 | 2.85 | 2.85 | 0.00 |
| 191.55 | 2.88 | 2.88 | 0.00 |
| 191.60 | 2.92 | 2.92 | 0.00 |
| 191.65 | 2.96 | 2.96 | 0.00 |
| 191.70 | 2.99 | 2.99 | 0.00 |
| 191.75 | 3.03 | 3.03 | 0.00 |
| 191.80 | 3.06 | 3.06 | 0.00 |
| 191.85 | 3.10 | 3.10 | 0.00 |
| 191.90 | 3.13 | 3.13 | 0.00 |
| 191.95 | 3.17 | 3.17 | 0.00 |
| 192.00 | 3.20 | 3.20 | 0.00 |
| 192.05 | 3.23 | 3.23 | 0.00 |
| 192.10 | 3.27 | 3.27 | 0.00 |
| 192.15 | 3.30 | 3.30 | 0.00 |
| 192.20 | 3.33 | 3.33 | 0.00 |
| 192.25 | 3.36 | 3.36 | 0.00 |
| 192.30 | 3.40 | 3.40 | 0.00 |
| 192.35 | 3.43 | 3.43 | 0.00 |
| 192.40 | 3.46 | 3.46 | 0.00 |
| 192.45 | 3.49 | 3.49 | 0.00 |
| 192.50 | **3.52** | **3.52** | **0.00** |

## Stage-Area-Storage for Pond CB1: Catch Basin #1

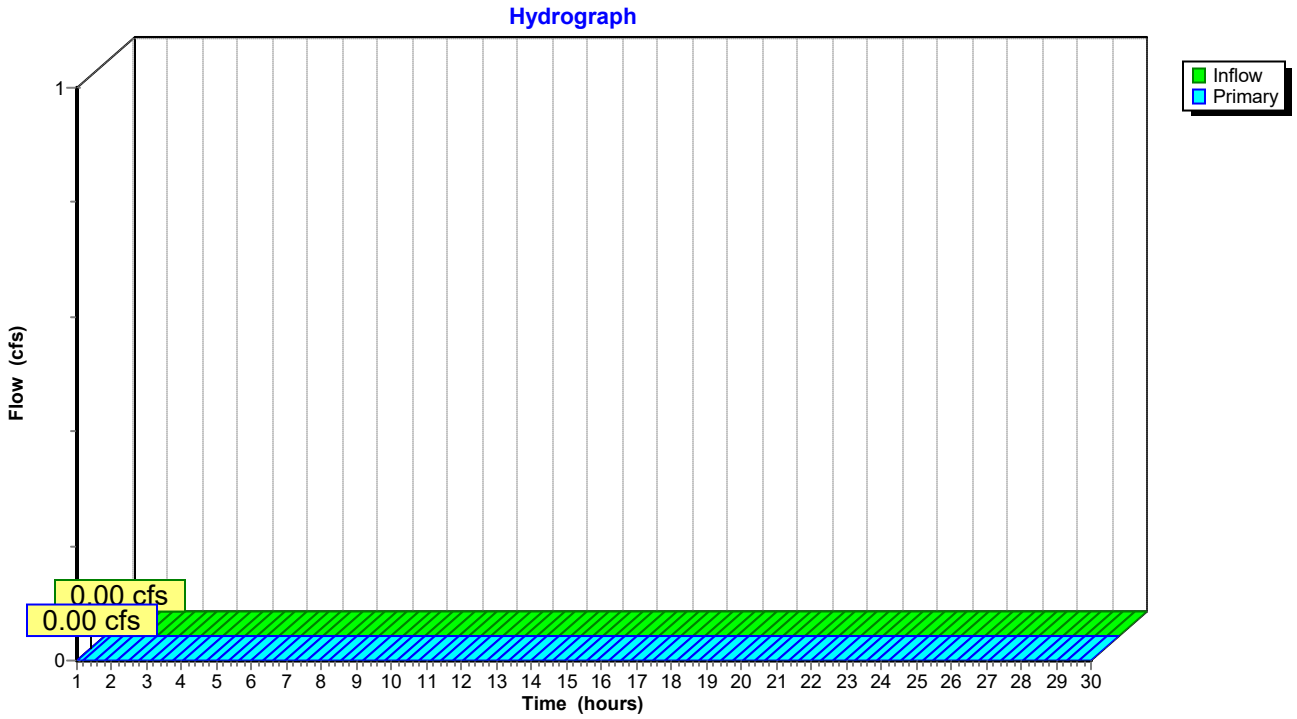
| Elevation (feet) | Storage (cubic-feet) | Elevation (feet) | Storage (cubic-feet) | Elevation (feet) | Storage (cubic-feet) | Elevation (feet) | Storage (cubic-feet) |
|---|---|---|---|---|---|---|---|
| 189.20 | **0** | 190.24 | 0 | 191.28 | 0 | 192.32 | 0 |
| 189.22 | 0 | 190.26 | 0 | 191.30 | 0 | 192.34 | 0 |
| 189.24 | 0 | 190.28 | 0 | 191.32 | 0 | 192.36 | 0 |
| 189.26 | 0 | 190.30 | 0 | 191.34 | 0 | 192.38 | 0 |
| 189.28 | 0 | 190.32 | 0 | 191.36 | 0 | 192.40 | 0 |
| 189.30 | 0 | 190.34 | 0 | 191.38 | 0 | 192.42 | 0 |
| 189.32 | 0 | 190.36 | 0 | 191.40 | 0 | 192.44 | 0 |
| 189.34 | 0 | 190.38 | 0 | 191.42 | 0 | 192.46 | 0 |
| 189.36 | 0 | 190.40 | 0 | 191.44 | 0 | 192.48 | 0 |
| 189.38 | 0 | 190.42 | 0 | 191.46 | 0 | 192.50 | 0 |
| 189.40 | 0 | 190.44 | 0 | 191.48 | 0 | | |
| 189.42 | 0 | 190.46 | 0 | 191.50 | 0 | | |
| 189.44 | 0 | 190.48 | 0 | 191.52 | 0 | | |
| 189.46 | 0 | 190.50 | 0 | 191.54 | 0 | | |
| 189.48 | 0 | 190.52 | 0 | 191.56 | 0 | | |
| 189.50 | 0 | 190.54 | 0 | 191.58 | 0 | | |
| 189.52 | 0 | 190.56 | 0 | 191.60 | 0 | | |
| 189.54 | 0 | 190.58 | 0 | 191.62 | 0 | | |
| 189.56 | 0 | 190.60 | 0 | 191.64 | 0 | | |
| 189.58 | 0 | 190.62 | 0 | 191.66 | 0 | | |
| 189.60 | 0 | 190.64 | 0 | 191.68 | 0 | | |
| 189.62 | 0 | 190.66 | 0 | 191.70 | 0 | | |
| 189.64 | 0 | 190.68 | 0 | 191.72 | 0 | | |
| 189.66 | 0 | 190.70 | 0 | 191.74 | 0 | | |
| 189.68 | 0 | 190.72 | 0 | 191.76 | 0 | | |
| 189.70 | 0 | 190.74 | 0 | 191.78 | 0 | | |
| 189.72 | 0 | 190.76 | 0 | 191.80 | 0 | | |
| 189.74 | 0 | 190.78 | 0 | 191.82 | 0 | | |
| 189.76 | 0 | 190.80 | 0 | 191.84 | 0 | | |
| 189.78 | 0 | 190.82 | 0 | 191.86 | 0 | | |
| 189.80 | 0 | 190.84 | 0 | 191.88 | 0 | | |
| 189.82 | 0 | 190.86 | 0 | 191.90 | 0 | | |
| 189.84 | 0 | 190.88 | 0 | 191.92 | 0 | | |
| 189.86 | 0 | 190.90 | 0 | 191.94 | 0 | | |
| 189.88 | 0 | 190.92 | 0 | 191.96 | 0 | | |
| 189.90 | 0 | 190.94 | 0 | 191.98 | 0 | | |
| 189.92 | 0 | 190.96 | 0 | 192.00 | 0 | | |
| 189.94 | 0 | 190.98 | 0 | 192.02 | 0 | | |
| 189.96 | 0 | 191.00 | 0 | 192.04 | 0 | | |
| 189.98 | 0 | 191.02 | 0 | 192.06 | 0 | | |
| 190.00 | 0 | 191.04 | 0 | 192.08 | 0 | | |
| 190.02 | 0 | 191.06 | 0 | 192.10 | 0 | | |
| 190.04 | 0 | 191.08 | 0 | 192.12 | 0 | | |
| 190.06 | 0 | 191.10 | 0 | 192.14 | 0 | | |
| 190.08 | 0 | 191.12 | 0 | 192.16 | 0 | | |
| 190.10 | 0 | 191.14 | 0 | 192.18 | 0 | | |
| 190.12 | 0 | 191.16 | 0 | 192.20 | 0 | | |
| 190.14 | 0 | 191.18 | 0 | 192.22 | 0 | | |
| 190.16 | 0 | 191.20 | 0 | 192.24 | 0 | | |
| 190.18 | 0 | 191.22 | 0 | 192.26 | 0 | | |
| 190.20 | 0 | 191.24 | 0 | 192.28 | 0 | | |
| 190.22 | 0 | 191.26 | 0 | 192.30 | 0 | | |

## Summary for Link 1L: Above Ground Storage

Inflow = 0.00 cfs @ 1.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 1.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-30.00 hrs, dt= 0.04 hrs

## Link 1L: Above Ground Storage



## Hydrograph for Link 1L: Above Ground Storage

| Time (hours) | Inflow (cfs) | Elevation (feet) | Primary (cfs) | Time (hours) | Inflow (cfs) | Elevation (feet) | Primary (cfs) |
|---|---|---|---|---|---|---|---|
| 1.00 | **0.00** | **0.00** | **0.00** | 21.80 | 0.00 | 0.00 | 0.00 |
| 1.40 | 0.00 | 0.00 | 0.00 | 22.20 | 0.00 | 0.00 | 0.00 |
| 1.80 | 0.00 | 0.00 | 0.00 | 22.60 | 0.00 | 0.00 | 0.00 |
| 2.20 | 0.00 | 0.00 | 0.00 | 23.00 | 0.00 | 0.00 | 0.00 |
| 2.60 | 0.00 | 0.00 | 0.00 | 23.40 | 0.00 | 0.00 | 0.00 |
| 3.00 | 0.00 | 0.00 | 0.00 | 23.80 | 0.00 | 0.00 | 0.00 |
| 3.40 | 0.00 | 0.00 | 0.00 | 24.20 | 0.00 | 0.00 | 0.00 |
| 3.80 | 0.00 | 0.00 | 0.00 | 24.60 | 0.00 | 0.00 | 0.00 |
| 4.20 | 0.00 | 0.00 | 0.00 | 25.00 | 0.00 | 0.00 | 0.00 |
| 4.60 | 0.00 | 0.00 | 0.00 | 25.40 | 0.00 | 0.00 | 0.00 |
| 5.00 | 0.00 | 0.00 | 0.00 | 25.80 | 0.00 | 0.00 | 0.00 |
| 5.40 | 0.00 | 0.00 | 0.00 | 26.20 | 0.00 | 0.00 | 0.00 |
| 5.80 | 0.00 | 0.00 | 0.00 | 26.60 | 0.00 | 0.00 | 0.00 |
| 6.20 | 0.00 | 0.00 | 0.00 | 27.00 | 0.00 | 0.00 | 0.00 |
| 6.60 | 0.00 | 0.00 | 0.00 | 27.40 | 0.00 | 0.00 | 0.00 |
| 7.00 | 0.00 | 0.00 | 0.00 | 27.80 | 0.00 | 0.00 | 0.00 |
| 7.40 | 0.00 | 0.00 | 0.00 | 28.20 | 0.00 | 0.00 | 0.00 |
| 7.80 | 0.00 | 0.00 | 0.00 | 28.60 | 0.00 | 0.00 | 0.00 |
| 8.20 | 0.00 | 0.00 | 0.00 | 29.00 | 0.00 | 0.00 | 0.00 |
| 8.60 | 0.00 | 0.00 | 0.00 | 29.40 | 0.00 | 0.00 | 0.00 |
| 9.00 | 0.00 | 0.00 | 0.00 | 29.80 | 0.00 | 0.00 | 0.00 |
| 9.40 | 0.00 | 0.00 | 0.00 | | | | |
| 9.80 | 0.00 | 0.00 | 0.00 | | | | |
| 10.20 | 0.00 | 0.00 | 0.00 | | | | |
| 10.60 | 0.00 | 0.00 | 0.00 | | | | |
| 11.00 | 0.00 | 0.00 | 0.00 | | | | |
| 11.40 | 0.00 | 0.00 | 0.00 | | | | |
| 11.80 | 0.00 | 0.00 | 0.00 | | | | |
| 12.20 | 0.00 | 0.00 | 0.00 | | | | |
| 12.60 | 0.00 | 0.00 | 0.00 | | | | |
| 13.00 | 0.00 | 0.00 | 0.00 | | | | |
| 13.40 | 0.00 | 0.00 | 0.00 | | | | |
| 13.80 | 0.00 | 0.00 | 0.00 | | | | |
| 14.20 | 0.00 | 0.00 | 0.00 | | | | |
| 14.60 | 0.00 | 0.00 | 0.00 | | | | |
| 15.00 | 0.00 | 0.00 | 0.00 | | | | |
| 15.40 | 0.00 | 0.00 | 0.00 | | | | |
| 15.80 | 0.00 | 0.00 | 0.00 | | | | |
| 16.20 | 0.00 | 0.00 | 0.00 | | | | |
| 16.60 | 0.00 | 0.00 | 0.00 | | | | |
| 17.00 | 0.00 | 0.00 | 0.00 | | | | |
| 17.40 | 0.00 | 0.00 | 0.00 | | | | |
| 17.80 | 0.00 | 0.00 | 0.00 | | | | |
| 18.20 | 0.00 | 0.00 | 0.00 | | | | |
| 18.60 | 0.00 | 0.00 | 0.00 | | | | |
| 19.00 | 0.00 | 0.00 | 0.00 | | | | |
| 19.40 | 0.00 | 0.00 | 0.00 | | | | |
| 19.80 | 0.00 | 0.00 | 0.00 | | | | |
| 20.20 | 0.00 | 0.00 | 0.00 | | | | |
| 20.60 | 0.00 | 0.00 | 0.00 | | | | |
| 21.00 | 0.00 | 0.00 | 0.00 | | | | |
| 21.40 | 0.00 | 0.00 | 0.00 | | | | |

## Summary for Subcatchment 2S: Proposed Site to Design Point

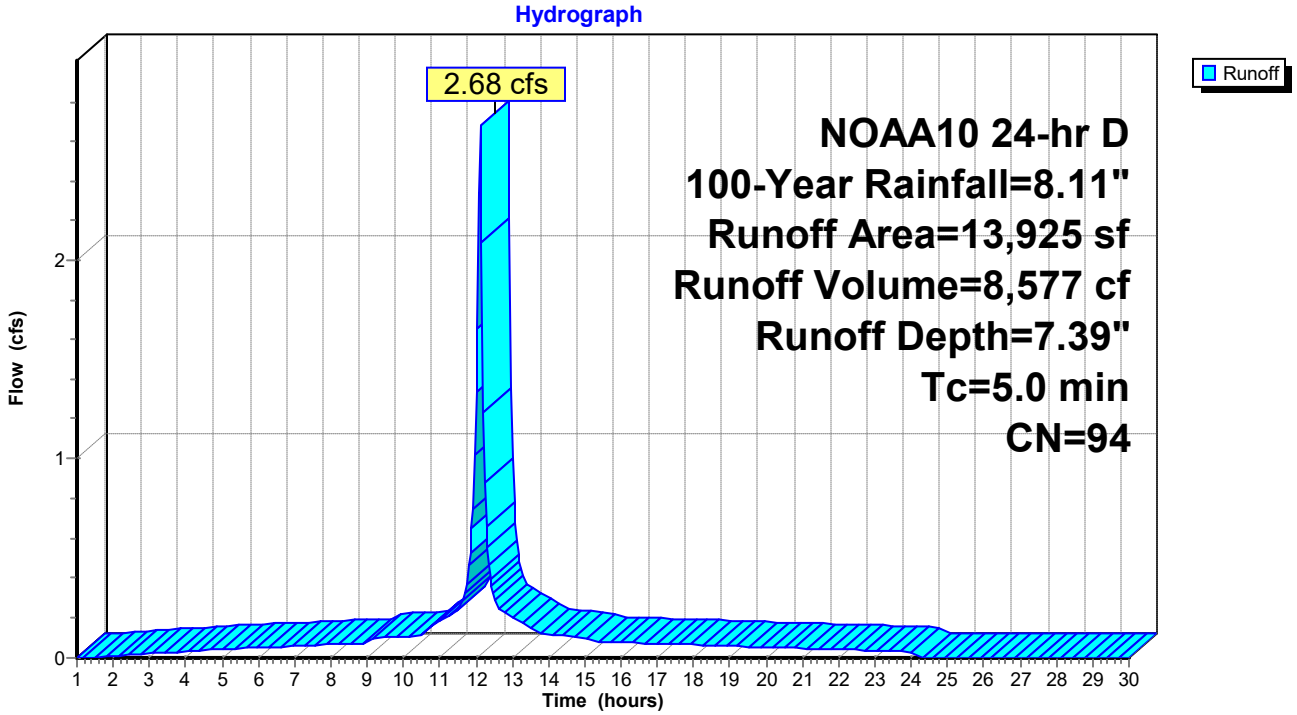
Runoff = 2.68 cfs @ 12.11 hrs, Volume= 8,577 cf, Depth= 7.39"
Routed to Pond CB1 : Catch Basin #1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-30.00 hrs, dt= 0.04 hrs
NOAA10 24-hr D 100-Year Rainfall=8.11"

| Area (sf) | CN | Description |
|---|---|---|
| 4,434 | 84 | 50-75% Grass cover, Fair, HSG D |
| 9,491 | 98 | Paved parking, HSG D |
| 13,925 | 94 | Weighted Average |
| 4,434 | | 31.84% Pervious Area |
| 9,491 | | 68.16% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 5.0 | | | | | **Direct Entry,** |

## Subcatchment 2S: Proposed Site to Design Point



## Hydrograph for Subcatchment 2S: Proposed Site to Design Point

| Time (hours) | Precip. (inches) | Excess (inches) | Runoff (cfs) |
|---|---|---|---|
| 1.00 | 0.11 | 0.00 | 0.00 |
| 1.40 | 0.15 | 0.00 | 0.00 |
| 1.80 | 0.20 | 0.01 | 0.01 |
| 2.20 | 0.26 | 0.02 | 0.01 |
| 2.60 | 0.31 | 0.04 | 0.02 |
| 3.00 | 0.37 | 0.07 | 0.02 |
| 3.40 | 0.43 | 0.10 | 0.03 |
| 3.80 | 0.50 | 0.14 | 0.03 |
| 4.20 | 0.57 | 0.18 | 0.04 |
| 4.60 | 0.64 | 0.23 | 0.04 |
| 5.00 | 0.71 | 0.28 | 0.04 |
| 5.40 | 0.79 | 0.33 | 0.05 |
| 5.80 | 0.86 | 0.39 | 0.05 |
| 6.20 | 0.95 | 0.46 | 0.05 |
| 6.60 | 1.03 | 0.53 | 0.06 |
| 7.00 | 1.12 | 0.60 | 0.06 |
| 7.40 | 1.21 | 0.68 | 0.06 |
| 7.80 | 1.30 | 0.76 | 0.07 |
| 8.20 | 1.40 | 0.84 | 0.07 |
| 8.60 | 1.50 | 0.93 | 0.07 |
| 9.00 | 1.60 | 1.02 | 0.07 |
| 9.40 | 1.73 | 1.15 | 0.10 |
| 9.80 | 1.87 | 1.28 | 0.11 |
| 10.20 | 2.02 | 1.41 | 0.11 |
| 10.60 | 2.18 | 1.56 | 0.14 |
| 11.00 | 2.40 | 1.77 | 0.18 |
| 11.40 | 2.67 | 2.04 | 0.22 |
| 11.80 | 3.12 | 2.46 | **0.47** |
| 12.20 | 4.99 | 4.30 | **1.23** |
| 12.60 | 5.44 | 4.74 | 0.26 |
| 13.00 | 5.71 | 5.01 | 0.21 |
| 13.40 | 5.93 | 5.23 | 0.17 |
| 13.80 | 6.09 | 5.39 | 0.12 |
| 14.20 | 6.24 | 5.53 | 0.11 |
| 14.60 | 6.38 | 5.67 | 0.11 |
| 15.00 | 6.51 | 5.81 | 0.11 |
| 15.40 | 6.61 | 5.91 | 0.08 |
| 15.80 | 6.71 | 6.00 | 0.08 |
| 16.20 | 6.81 | 6.10 | 0.08 |
| 16.60 | 6.90 | 6.19 | 0.07 |
| 17.00 | 6.99 | 6.28 | 0.07 |
| 17.40 | 7.08 | 6.37 | 0.07 |
| 17.80 | 7.16 | 6.45 | 0.07 |
| 18.20 | 7.25 | 6.53 | 0.06 |
| 18.60 | 7.32 | 6.61 | 0.06 |
| 19.00 | 7.40 | 6.69 | 0.06 |
| 19.40 | 7.47 | 6.76 | 0.06 |
| 19.80 | 7.54 | 6.83 | 0.06 |
| 20.20 | 7.61 | 6.90 | 0.05 |
| 20.60 | 7.68 | 6.96 | 0.05 |
| 21.00 | 7.74 | 7.02 | 0.05 |
| 21.40 | 7.80 | 7.08 | 0.05 |
| 21.80 | 7.85 | 7.14 | 0.04 |
| 22.20 | 7.91 | 7.19 | 0.04 |
| 22.60 | 7.96 | 7.24 | 0.04 |
| 23.00 | 8.00 | 7.29 | 0.04 |
| 23.40 | 8.05 | 7.33 | 0.03 |
| 23.80 | **8.09** | **7.37** | 0.03 |
| 24.20 | **8.11** | **7.39** | 0.00 |
| 24.60 | 8.11 | 7.39 | 0.00 |
| 25.00 | 8.11 | 7.39 | 0.00 |
| 25.40 | 8.11 | 7.39 | 0.00 |
| 25.80 | 8.11 | 7.39 | 0.00 |
| 26.20 | 8.11 | 7.39 | 0.00 |
| 26.60 | 8.11 | 7.39 | 0.00 |
| 27.00 | 8.11 | 7.39 | 0.00 |
| 27.40 | 8.11 | 7.39 | 0.00 |
| 27.80 | 8.11 | 7.39 | 0.00 |
| 28.20 | 8.11 | 7.39 | 0.00 |
| 28.60 | 8.11 | 7.39 | 0.00 |
| 29.00 | 8.11 | 7.39 | 0.00 |
| 29.40 | 8.11 | 7.39 | 0.00 |
| 29.80 | 8.11 | 7.39 | 0.00 |

## Summary for Pond 2P: Underground Storage

[42] Hint: Gap in defined storage above volume #1 at 190.54'
[81] Warning: Exceeded Pond CB1 by 0.70' @ 12.40 hrs

Inflow Area = 13,925 sf, 68.16% Impervious, Inflow Depth = 7.39" for 100-Year event
Inflow = 2.68 cfs @ 12.11 hrs, Volume= 8,577 cf
Outflow = 0.47 cfs @ 12.36 hrs, Volume= 8,577 cf, Atten= 83%, Lag= 14.8 min
Discarded = 0.47 cfs @ 12.36 hrs, Volume= 8,577 cf

Routing by Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.04 hrs
Peak Elev= 190.28' @ 12.36 hrs Surf.Area= 1,345 sf Storage= 1,825 cf
Flood Elev= 192.50' Surf.Area= 1,357 sf Storage= 1,965 cf

Plug-Flow detention time= 22.7 min calculated for 8,565 cf (100% of inflow)
Center-of-Mass det. time= 22.6 min ( 788.2 - 765.6 )

| Volume | Invert | Avail.Storage | Storage Description |
|---|---|---|---|
| #1A | 188.00' | 970 cf | **30.75'W x 43.75'L x 2.54'H Field A**<br>3,419 cf Overall - 995 cf Embedded = 2,424 cf x 40.0% Voids |
| #2A | 188.50' | 995 cf | **Cultec R-150XLHD** x 36 Inside #1<br>Effective Size= 29.8"W x 18.0"H => 2.65 sf x 10.25'L = 27.2 cf<br>Overall Size= 33.0"W x 18.5"H x 11.00'L with 0.75' Overlap<br>Row Length Adjustment= +0.75' x 2.65 sf x 9 rows |
| #3 | 192.50' | 45 cf | **Above Ground Storage (Prismatic)** Listed below (Recalc) |
| | | 2,010 cf | Total Available Storage |

Storage Group A created with Chamber Wizard

| Elevation (feet) | Surf.Area (sq-ft) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
|---|---|---|---|
| 192.50 | 12 | 0 | 0 |
| 193.00 | 169 | 45 | 45 |

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Discarded | 188.00' | **7.000 in/hr Exfiltration over Horizontal area from 186.00' - 188.01'**<br>Conductivity to Groundwater Elevation = 186.00'<br>Excluded Horizontal area = 0 sf |

**Discarded OutFlow** Max=0.47 cfs @ 12.36 hrs HW=190.28' (Free Discharge)
**1=Exfiltration** ( Controls 0.47 cfs)

## Pond 2P: Underground Storage - Chamber Wizard Field A

**Chamber Model = Cultec R-150XLHD (Cultec Recharger® 150XLHD)**
Effective Size= 29.8"W x 18.0"H => 2.65 sf x 10.25'L = 27.2 cf
Overall Size= 33.0"W x 18.5"H x 11.00'L with 0.75' Overlap
Row Length Adjustment= +0.75' x 2.65 sf x 9 rows

33.0" Wide + 6.0" Spacing = 39.0" C-C Row Spacing

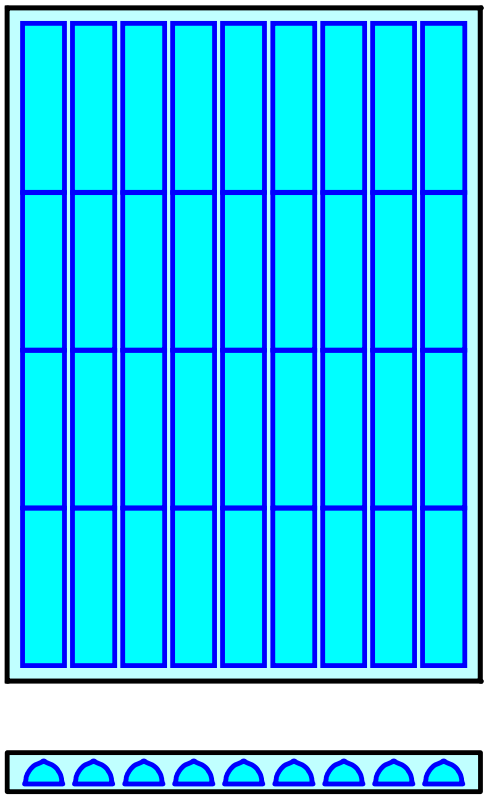
4 Chambers/Row x 10.25' Long +0.75' Row Adjustment = 41.75' Row Length +12.0" End Stone x 2 = 43.75' Base Length
9 Rows x 33.0" Wide + 6.0" Spacing x 8 + 12.0" Side Stone x 2 = 30.75' Base Width
6.0" Stone Base + 18.5" Chamber Height + 6.0" Stone Cover = 2.54' Field Height

36 Chambers x 27.2 cf +0.75' Row Adjustment x 2.65 sf x 9 Rows = 995.4 cf Chamber Storage

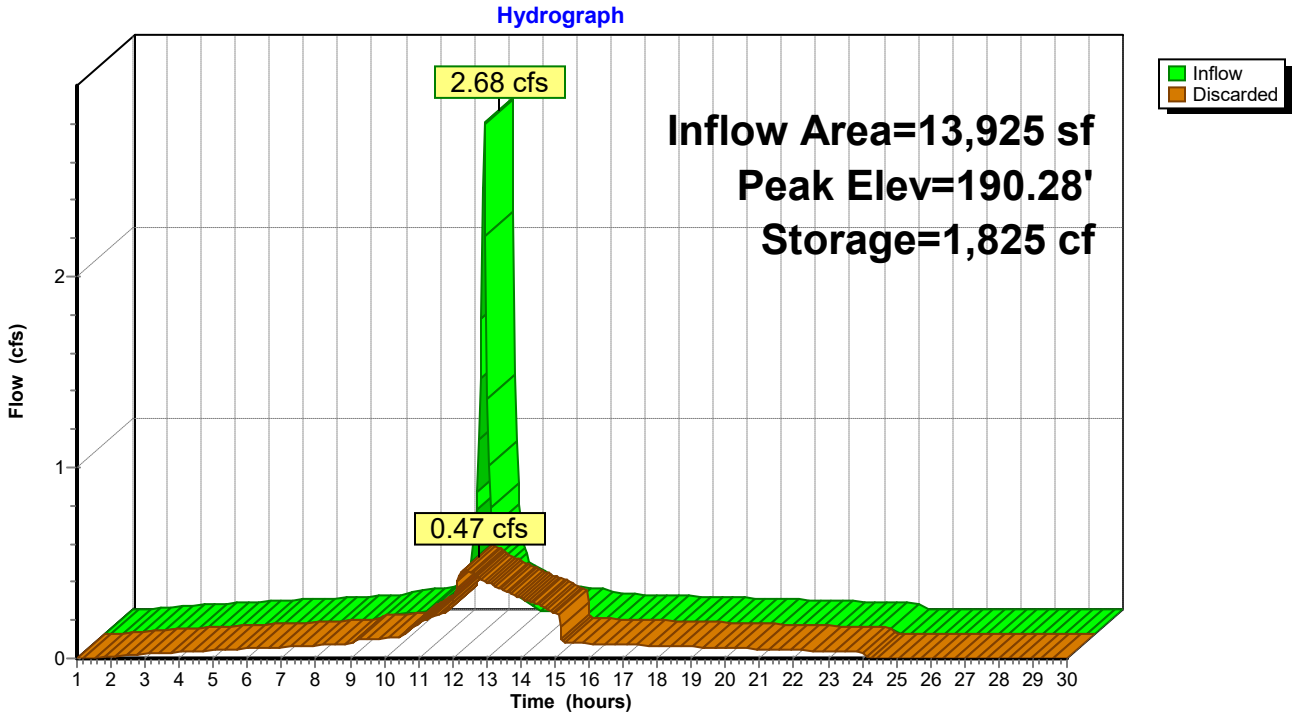
3,419.3 cf Field - 995.4 cf Chambers = 2,424.0 cf Stone x 40.0% Voids = 969.6 cf Stone Storage

Chamber Storage + Stone Storage = 1,965.0 cf = 0.045 af
Overall Storage Efficiency = 57.5%
Overall System Size = 43.75' x 30.75' x 2.54'

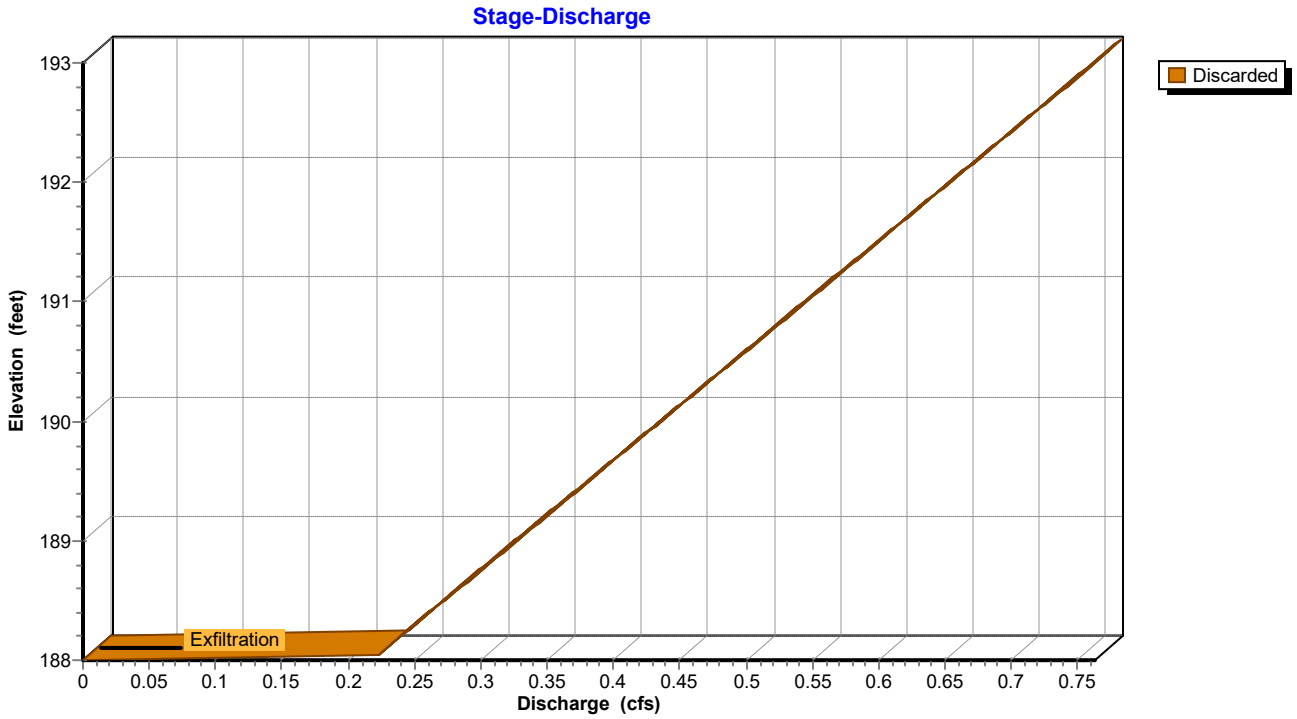
36 Chambers
126.6 cy Field
89.8 cy Stone



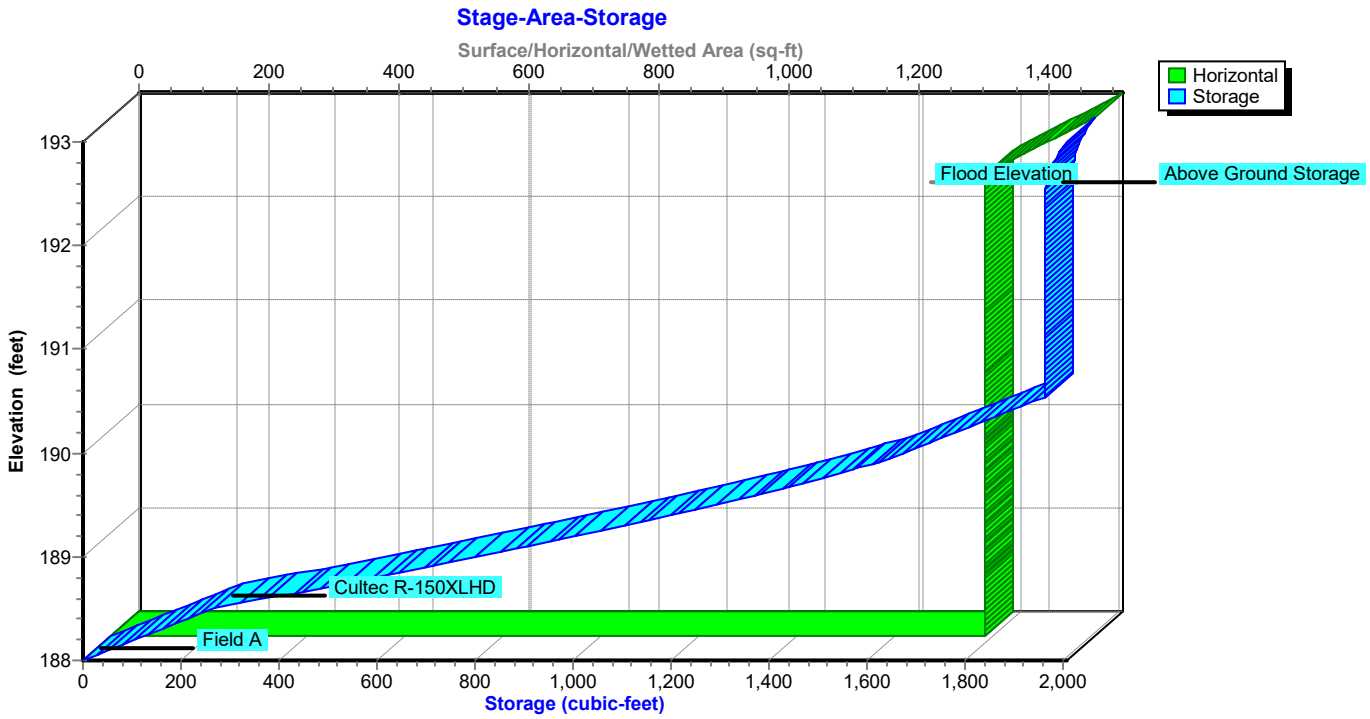
## Pond 2P: Underground Storage




## Pond 2P: Underground Storage



## Pond 2P: Underground Storage



## Hydrograph for Pond 2P: Underground Storage

| Time (hours) | Inflow (cfs) | Storage (cubic-feet) | Elevation (feet) | Discarded (cfs) |
|---|---|---|---|---|
| 1.00 | 0.00 | 0 | 188.00 | 0.00 |
| 1.80 | 0.01 | 1 | 188.00 | 0.01 |
| 2.60 | 0.02 | 2 | 188.00 | 0.02 |
| 3.40 | 0.03 | 3 | 188.01 | 0.03 |
| 4.20 | 0.04 | 4 | 188.01 | 0.03 |
| 5.00 | 0.04 | 5 | 188.01 | 0.04 |
| 5.80 | 0.05 | 6 | 188.01 | 0.05 |
| 6.60 | 0.06 | 7 | 188.01 | 0.06 |
| 7.40 | 0.06 | 8 | 188.01 | 0.06 |
| 8.20 | 0.07 | 8 | 188.02 | 0.07 |
| 9.00 | 0.07 | 9 | 188.02 | 0.07 |
| 9.80 | 0.11 | 13 | 188.02 | 0.11 |
| 10.60 | 0.14 | 16 | 188.03 | 0.13 |
| 11.40 | **0.22** | 26 | 188.05 | 0.22 |
| 12.20 | **1.23** | **1,667** | **189.99** | **0.43** |
| 13.00 | 0.21 | **1,441** | **189.66** | **0.40** |
| 13.80 | 0.12 | 853 | 189.05 | 0.33 |
| 14.60 | 0.11 | 310 | 188.54 | 0.28 |
| 15.40 | 0.08 | 10 | 188.02 | 0.08 |
| 16.20 | 0.08 | 9 | 188.02 | 0.08 |
| 17.00 | 0.07 | 9 | 188.02 | 0.07 |
| 17.80 | 0.07 | 8 | 188.02 | 0.07 |
| 18.60 | 0.06 | 8 | 188.01 | 0.06 |
| 19.40 | 0.06 | 7 | 188.01 | 0.06 |
| 20.20 | 0.05 | 6 | 188.01 | 0.05 |
| 21.00 | 0.05 | 6 | 188.01 | 0.05 |
| 21.80 | 0.04 | 5 | 188.01 | 0.04 |
| 22.60 | 0.04 | 5 | 188.01 | 0.04 |
| 23.40 | 0.03 | 4 | 188.01 | 0.04 |
| 24.20 | 0.00 | 0 | 188.00 | 0.00 |
| 25.00 | 0.00 | 0 | 188.00 | 0.00 |
| 25.80 | 0.00 | 0 | 188.00 | 0.00 |
| 26.60 | 0.00 | 0 | 188.00 | 0.00 |
| 27.40 | 0.00 | 0 | 188.00 | 0.00 |
| 28.20 | 0.00 | 0 | 188.00 | 0.00 |
| 29.00 | 0.00 | 0 | 188.00 | 0.00 |
| 29.80 | 0.00 | 0 | 188.00 | 0.00 |

## Stage-Discharge for Pond 2P: Underground Storage

| Elevation (feet) | Discarded (cfs) | Elevation (feet) | Discarded (cfs) |
|---|---|---|---|
| 188.00 | 0.00 | 190.60 | 0.50 |
| 188.05 | 0.22 | 190.65 | 0.51 |
| 188.10 | 0.23 | 190.70 | 0.51 |
| 188.15 | 0.23 | 190.75 | 0.52 |
| 188.20 | 0.24 | 190.80 | 0.52 |
| 188.25 | 0.25 | 190.85 | 0.53 |
| 188.30 | 0.25 | 190.90 | 0.53 |
| 188.35 | 0.26 | 190.95 | 0.54 |
| 188.40 | 0.26 | 191.00 | 0.54 |
| 188.45 | 0.27 | 191.05 | 0.55 |
| 188.50 | 0.27 | 191.10 | 0.56 |
| 188.55 | 0.28 | 191.15 | 0.56 |
| 188.60 | 0.28 | 191.20 | 0.57 |
| 188.65 | 0.29 | 191.25 | 0.57 |
| 188.70 | 0.29 | 191.30 | 0.58 |
| 188.75 | 0.30 | 191.35 | 0.58 |
| 188.80 | 0.31 | 191.40 | 0.59 |
| 188.85 | 0.31 | 191.45 | 0.59 |
| 188.90 | 0.32 | 191.50 | 0.60 |
| 188.95 | 0.32 | 191.55 | 0.60 |
| 189.00 | 0.33 | 191.60 | 0.61 |
| 189.05 | 0.33 | 191.65 | 0.62 |
| 189.10 | 0.34 | 191.70 | 0.62 |
| 189.15 | 0.34 | 191.75 | 0.63 |
| 189.20 | 0.35 | 191.80 | 0.63 |
| 189.25 | 0.35 | 191.85 | 0.64 |
| 189.30 | 0.36 | 191.90 | 0.64 |
| 189.35 | 0.37 | 191.95 | 0.65 |
| 189.40 | 0.37 | 192.00 | 0.65 |
| 189.45 | 0.38 | 192.05 | 0.66 |
| 189.50 | 0.38 | 192.10 | 0.66 |
| 189.55 | 0.39 | 192.15 | 0.67 |
| 189.60 | 0.39 | 192.20 | 0.68 |
| 189.65 | 0.40 | 192.25 | 0.68 |
| 189.70 | 0.40 | 192.30 | 0.69 |
| 189.75 | 0.41 | 192.35 | 0.69 |
| 189.80 | 0.41 | 192.40 | 0.70 |
| 189.85 | 0.42 | 192.45 | 0.70 |
| 189.90 | 0.43 | 192.50 | 0.71 |
| 189.95 | 0.43 | 192.55 | 0.71 |
| 190.00 | 0.44 | 192.60 | 0.72 |
| 190.05 | 0.44 | 192.65 | 0.72 |
| 190.10 | 0.45 | 192.70 | 0.73 |
| 190.15 | 0.45 | 192.75 | 0.74 |
| 190.20 | 0.46 | 192.80 | 0.74 |
| 190.25 | 0.46 | 192.85 | 0.75 |
| 190.30 | 0.47 | 192.90 | 0.75 |
| 190.35 | 0.47 | 192.95 | 0.76 |
| 190.40 | 0.48 | 193.00 | **0.76** |
| 190.45 | 0.49 | | |
| 190.50 | 0.49 | | |
| 190.55 | 0.50 | | |

## Stage-Area-Storage for Pond 2P: Underground Storage

| Elevation (feet) | Horizontal (sq-ft) | Storage (cubic-feet) | Elevation (feet) | Horizontal (sq-ft) | Storage (cubic-feet) |
|---|---|---|---|---|---|
| 188.00 | 1,345 | 0 | 190.60 | 1,345 | 1,965 |
| 188.05 | 1,345 | 27 | 190.65 | 1,345 | 1,965 |
| 188.10 | 1,345 | 54 | 190.70 | 1,345 | 1,965 |
| 188.15 | 1,345 | 81 | 190.75 | 1,345 | 1,965 |
| 188.20 | 1,345 | 108 | 190.80 | 1,345 | 1,965 |
| 188.25 | 1,345 | 135 | 190.85 | 1,345 | 1,965 |
| 188.30 | 1,345 | 161 | 190.90 | 1,345 | 1,965 |
| 188.35 | 1,345 | 188 | 190.95 | 1,345 | 1,965 |
| 188.40 | 1,345 | 215 | 191.00 | 1,345 | 1,965 |
| 188.45 | 1,345 | 242 | 191.05 | 1,345 | 1,965 |
| 188.50 | 1,345 | 269 | 191.10 | 1,345 | 1,965 |
| 188.55 | 1,345 | 324 | 191.15 | 1,345 | 1,965 |
| 188.60 | 1,345 | 378 | 191.20 | 1,345 | 1,965 |
| 188.65 | 1,345 | 432 | 191.25 | 1,345 | 1,965 |
| 188.70 | 1,345 | 485 | 191.30 | 1,345 | 1,965 |
| 188.75 | 1,345 | 539 | 191.35 | 1,345 | 1,965 |
| 188.80 | 1,345 | 592 | 191.40 | 1,345 | 1,965 |
| 188.85 | 1,345 | 644 | 191.45 | 1,345 | 1,965 |
| 188.90 | 1,345 | 697 | 191.50 | 1,345 | 1,965 |
| 188.95 | 1,345 | 750 | 191.55 | 1,345 | 1,965 |
| 189.00 | 1,345 | 802 | 191.60 | 1,345 | 1,965 |
| 189.05 | 1,345 | 854 | 191.65 | 1,345 | 1,965 |
| 189.10 | 1,345 | 905 | 191.70 | 1,345 | 1,965 |
| 189.15 | 1,345 | 956 | 191.75 | 1,345 | 1,965 |
| 189.20 | 1,345 | 1,007 | 191.80 | 1,345 | 1,965 |
| 189.25 | 1,345 | 1,057 | 191.85 | 1,345 | 1,965 |
| 189.30 | 1,345 | 1,106 | 191.90 | 1,345 | 1,965 |
| 189.35 | 1,345 | 1,155 | 191.95 | 1,345 | 1,965 |
| 189.40 | 1,345 | 1,203 | 192.00 | 1,345 | 1,965 |
| 189.45 | 1,345 | 1,250 | 192.05 | 1,345 | 1,965 |
| 189.50 | 1,345 | 1,296 | 192.10 | 1,345 | 1,965 |
| 189.55 | 1,345 | 1,342 | 192.15 | 1,345 | 1,965 |
| 189.60 | 1,345 | 1,386 | 192.20 | 1,345 | 1,965 |
| 189.65 | 1,345 | 1,429 | 192.25 | 1,345 | 1,965 |
| 189.70 | 1,345 | 1,470 | 192.30 | 1,345 | 1,965 |
| 189.75 | 1,345 | 1,510 | 192.35 | 1,345 | 1,965 |
| 189.80 | 1,345 | 1,548 | 192.40 | 1,345 | 1,965 |
| 189.85 | 1,345 | 1,583 | 192.45 | 1,345 | 1,965 |
| 189.90 | 1,345 | 1,615 | 192.50 | 1,357 | 1,965 |
| 189.95 | 1,345 | 1,645 | 192.55 | 1,373 | 1,966 |
| 190.00 | 1,345 | 1,673 | 192.60 | 1,389 | 1,968 |
| 190.05 | 1,345 | 1,700 | 192.65 | 1,404 | 1,970 |
| 190.10 | 1,345 | 1,727 | 192.70 | 1,420 | 1,974 |
| 190.15 | 1,345 | 1,754 | 192.75 | 1,436 | 1,978 |
| 190.20 | 1,345 | 1,781 | 192.80 | 1,452 | 1,983 |
| 190.25 | 1,345 | 1,808 | 192.85 | 1,467 | 1,988 |
| 190.30 | 1,345 | 1,835 | 192.90 | 1,483 | 1,995 |
| 190.35 | 1,345 | 1,862 | 192.95 | 1,499 | 2,002 |
| 190.40 | 1,345 | 1,889 | 193.00 | **1,514** | **2,010** |
| 190.45 | 1,345 | 1,916 | | | |
| 190.50 | 1,345 | 1,943 | | | |
| 190.55 | 1,345 | 1,965 | | | |

## Summary for Pond CB1: Catch Basin #1

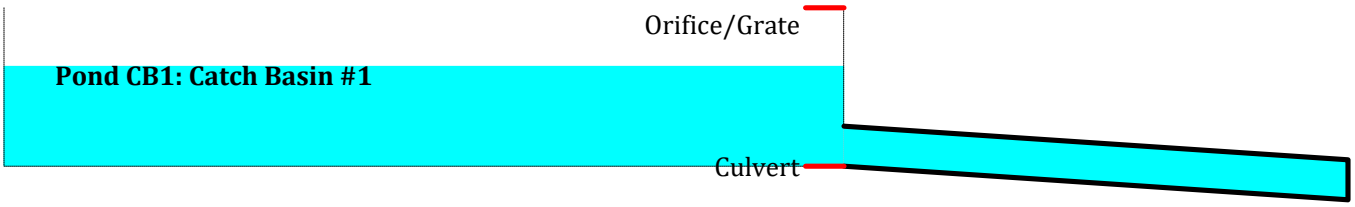
Inflow Area = 13,925 sf, 68.16% Impervious, Inflow Depth = 7.39" for 100-Year event
Inflow = 2.68 cfs @ 12.11 hrs, Volume= 8,577 cf
Outflow = 2.68 cfs @ 12.11 hrs, Volume= 8,577 cf, Atten= 0%, Lag= 0.0 min
Primary = 2.68 cfs @ 12.11 hrs, Volume= 8,577 cf
Routed to Pond 2P : Underground Storage
Secondary = 0.00 cfs @ 1.00 hrs, Volume= 0 cf
Routed to Link 1L : Above Ground Storage

Routing by Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.04 hrs
Peak Elev= 191.28' @ 12.12 hrs
Flood Elev= 192.50'

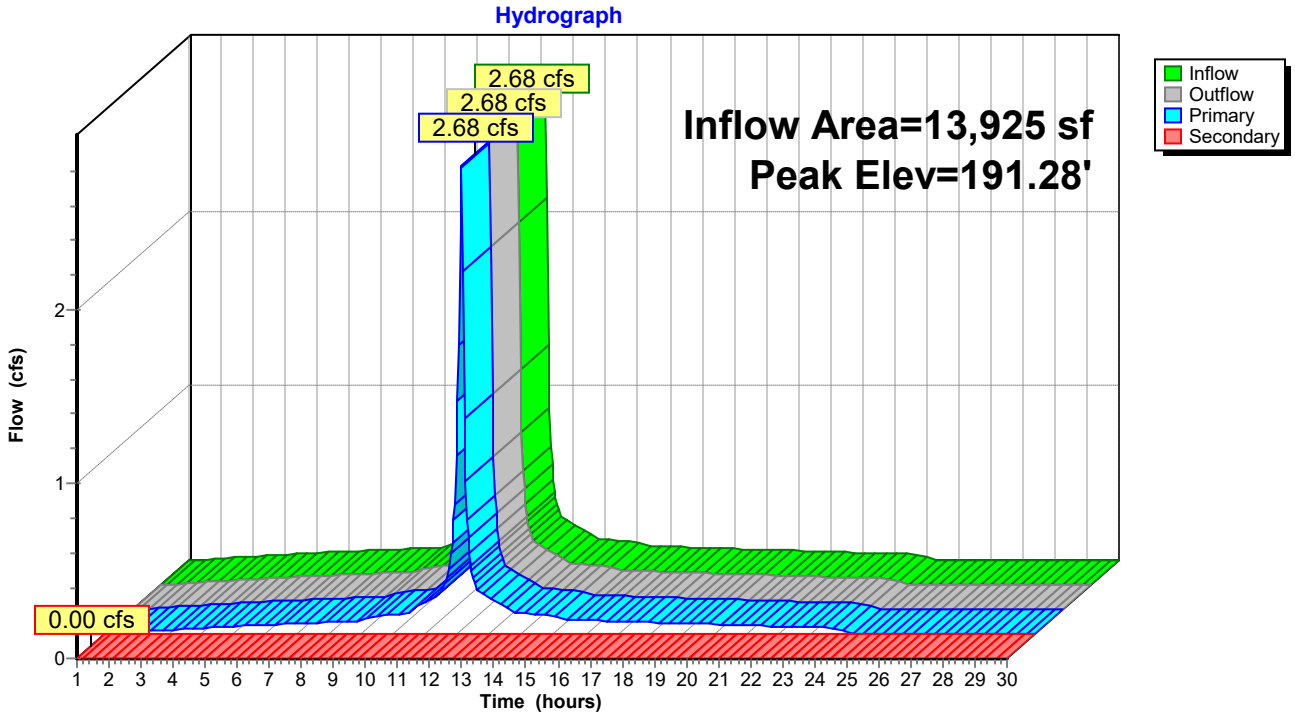
| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 189.20' | **10.0" Round Culvert** L= 3.0' CPP, projecting, no headwall, Ke= 0.900<br>Inlet / Outlet Invert= 189.20' / 188.50' S= 0.2333 '/' Cc= 0.900<br>n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.55 sf |
| #2 | Secondary | 192.50' | **2.0" x 4.0" Horiz. Orifice/Grate X 5.00 columns** X 5 rows C= 0.600<br>Limited to weir flow at low heads |

**Primary OutFlow** Max=2.63 cfs @ 12.11 hrs HW=191.22' (Free Discharge)
└**1=Culvert** (Inlet Controls 2.63 cfs @ 4.82 fps)

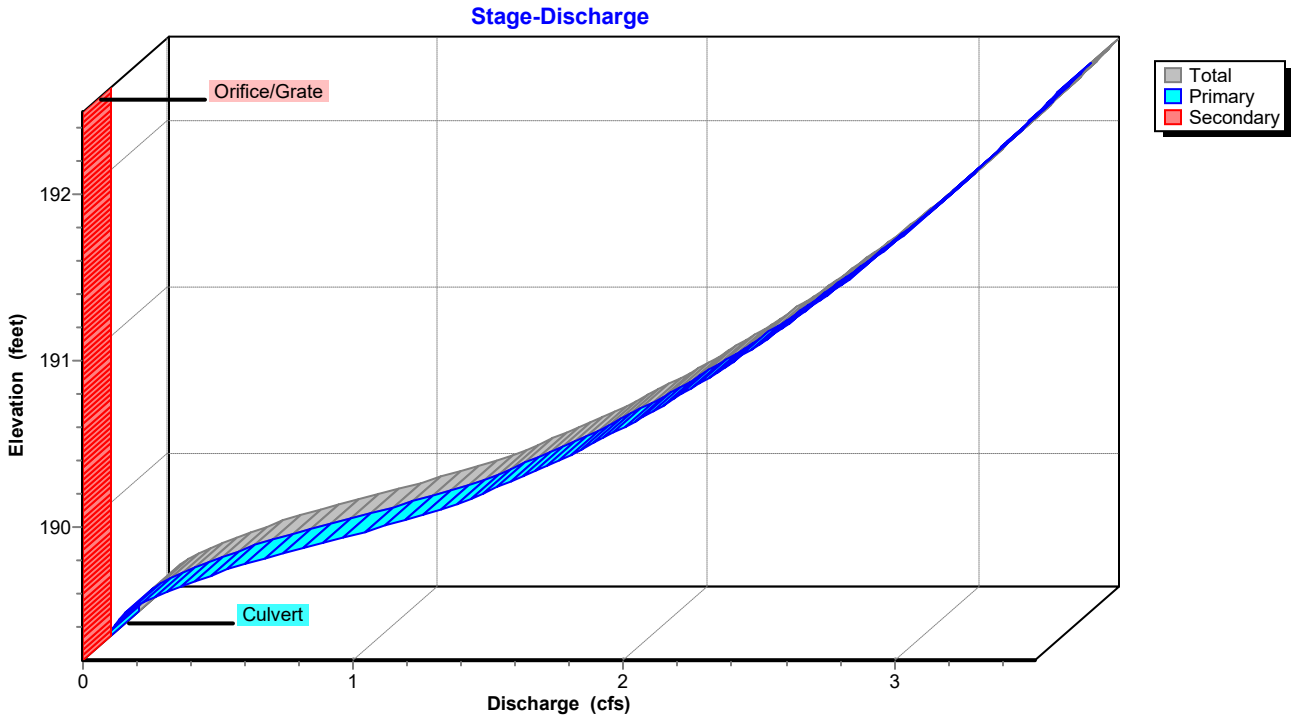
**Secondary OutFlow** Max=0.00 cfs @ 1.00 hrs HW=189.20' (Free Discharge)
└**2=Orifice/Grate** ( Controls 0.00 cfs)



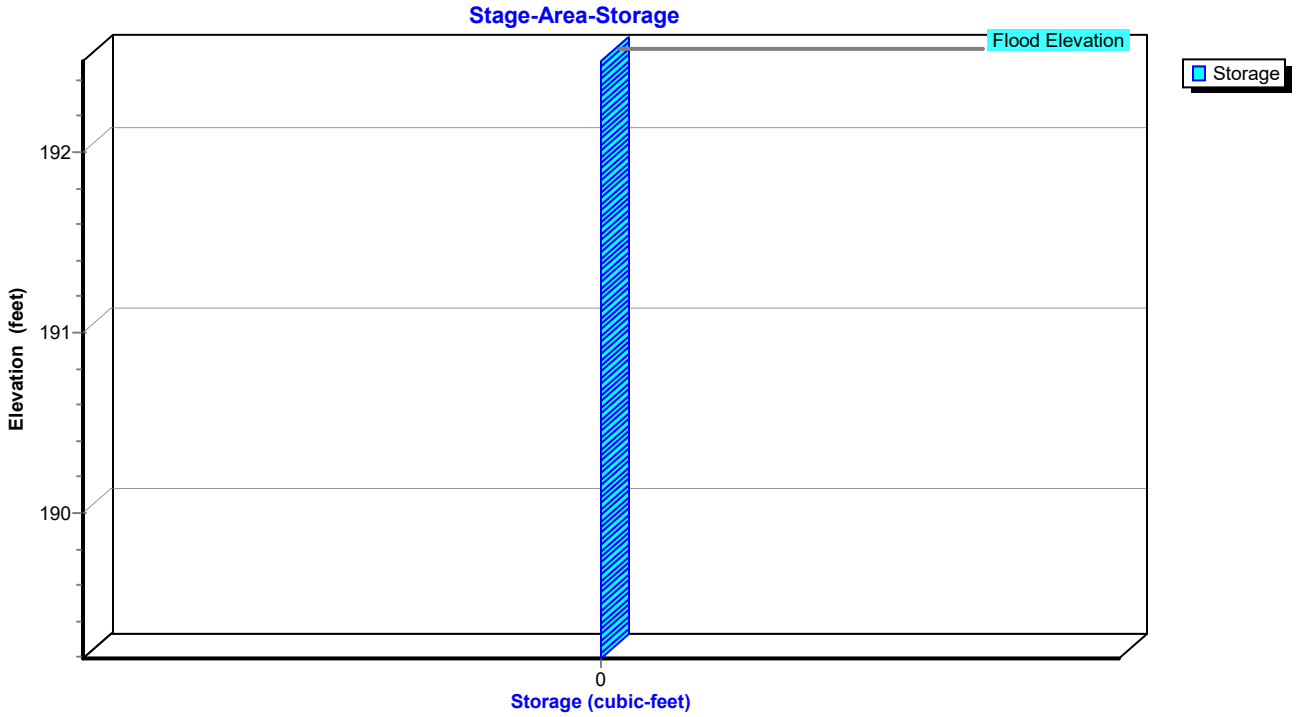
## Pond CB1: Catch Basin #1




## Pond CB1: Catch Basin #1



## Pond CB1: Catch Basin #1



## Hydrograph for Pond CB1: Catch Basin #1

| Time (hours) | Inflow (cfs) | Elevation (feet) | Outflow (cfs) | Primary (cfs) | Secondary (cfs) |
|---|---|---|---|---|---|
| 1.00 | 0.00 | 189.20 | 0.00 | 0.00 | **0.00** |
| 1.80 | 0.01 | 189.25 | 0.01 | 0.01 | 0.00 |
| 2.60 | 0.02 | 189.27 | 0.02 | 0.02 | 0.00 |
| 3.40 | 0.03 | 189.29 | 0.03 | 0.03 | 0.00 |
| 4.20 | 0.04 | 189.31 | 0.04 | 0.04 | 0.00 |
| 5.00 | 0.04 | 189.32 | 0.04 | 0.04 | 0.00 |
| 5.80 | 0.05 | 189.33 | 0.05 | 0.05 | 0.00 |
| 6.60 | 0.06 | 189.33 | 0.06 | 0.06 | 0.00 |
| 7.40 | 0.06 | 189.34 | 0.06 | 0.06 | 0.00 |
| 8.20 | 0.07 | 189.35 | 0.07 | 0.07 | 0.00 |
| 9.00 | 0.07 | 189.36 | 0.07 | 0.07 | 0.00 |
| 9.80 | 0.11 | 189.39 | 0.11 | 0.11 | 0.00 |
| 10.60 | 0.14 | 189.41 | 0.14 | 0.14 | 0.00 |
| 11.40 | **0.22** | **189.48** | **0.22** | **0.22** | 0.00 |
| 12.20 | **1.23** | **189.97** | **1.23** | **1.23** | 0.00 |
| 13.00 | 0.21 | 189.46 | 0.21 | 0.21 | 0.00 |
| 13.80 | 0.12 | 189.40 | 0.12 | 0.12 | 0.00 |
| 14.60 | 0.11 | 189.39 | 0.11 | 0.11 | 0.00 |
| 15.40 | 0.08 | 189.36 | 0.08 | 0.08 | 0.00 |
| 16.20 | 0.08 | 189.36 | 0.08 | 0.08 | 0.00 |
| 17.00 | 0.07 | 189.35 | 0.07 | 0.07 | 0.00 |
| 17.80 | 0.07 | 189.35 | 0.07 | 0.07 | 0.00 |
| 18.60 | 0.06 | 189.34 | 0.06 | 0.06 | 0.00 |
| 19.40 | 0.06 | 189.34 | 0.06 | 0.06 | 0.00 |
| 20.20 | 0.05 | 189.33 | 0.05 | 0.05 | 0.00 |
| 21.00 | 0.05 | 189.32 | 0.05 | 0.05 | 0.00 |
| 21.80 | 0.04 | 189.32 | 0.04 | 0.04 | 0.00 |
| 22.60 | 0.04 | 189.31 | 0.04 | 0.04 | 0.00 |
| 23.40 | 0.03 | 189.30 | 0.03 | 0.03 | 0.00 |
| 24.20 | 0.00 | 189.20 | 0.00 | 0.00 | 0.00 |
| 25.00 | 0.00 | 189.20 | 0.00 | 0.00 | 0.00 |
| 25.80 | 0.00 | 189.20 | 0.00 | 0.00 | 0.00 |
| 26.60 | 0.00 | 189.20 | 0.00 | 0.00 | 0.00 |
| 27.40 | 0.00 | 189.20 | 0.00 | 0.00 | 0.00 |
| 28.20 | 0.00 | 189.20 | 0.00 | 0.00 | 0.00 |
| 29.00 | 0.00 | 189.20 | 0.00 | 0.00 | 0.00 |
| 29.80 | 0.00 | 189.20 | 0.00 | 0.00 | 0.00 |

## Stage-Discharge for Pond CB1: Catch Basin #1

| Elevation (feet) | Discharge (cfs) | Primary (cfs) | Secondary (cfs) |
|---|---|---|---|
| 189.20 | 0.00 | 0.00 | 0.00 |
| 189.25 | 0.01 | 0.01 | 0.00 |
| 189.30 | 0.03 | 0.03 | 0.00 |
| 189.35 | 0.07 | 0.07 | 0.00 |
| 189.40 | 0.12 | 0.12 | 0.00 |
| 189.45 | 0.18 | 0.18 | 0.00 |
| 189.50 | 0.26 | 0.26 | 0.00 |
| 189.55 | 0.35 | 0.35 | 0.00 |
| 189.60 | 0.44 | 0.44 | 0.00 |
| 189.65 | 0.54 | 0.54 | 0.00 |
| 189.70 | 0.65 | 0.65 | 0.00 |
| 189.75 | 0.76 | 0.76 | 0.00 |
| 189.80 | 0.88 | 0.88 | 0.00 |
| 189.85 | 0.99 | 0.99 | 0.00 |
| 189.90 | 1.10 | 1.10 | 0.00 |
| 189.95 | 1.20 | 1.20 | 0.00 |
| 190.00 | 1.29 | 1.29 | 0.00 |
| 190.05 | 1.36 | 1.36 | 0.00 |
| 190.10 | 1.44 | 1.44 | 0.00 |
| 190.15 | 1.51 | 1.51 | 0.00 |
| 190.20 | 1.58 | 1.58 | 0.00 |
| 190.25 | 1.65 | 1.65 | 0.00 |
| 190.30 | 1.71 | 1.71 | 0.00 |
| 190.35 | 1.78 | 1.78 | 0.00 |
| 190.40 | 1.83 | 1.83 | 0.00 |
| 190.45 | 1.89 | 1.89 | 0.00 |
| 190.50 | 1.95 | 1.95 | 0.00 |
| 190.55 | 2.00 | 2.00 | 0.00 |
| 190.60 | 2.06 | 2.06 | 0.00 |
| 190.65 | 2.11 | 2.11 | 0.00 |
| 190.70 | 2.16 | 2.16 | 0.00 |
| 190.75 | 2.21 | 2.21 | 0.00 |
| 190.80 | 2.26 | 2.26 | 0.00 |
| 190.85 | 2.30 | 2.30 | 0.00 |
| 190.90 | 2.35 | 2.35 | 0.00 |
| 190.95 | 2.39 | 2.39 | 0.00 |
| 191.00 | 2.44 | 2.44 | 0.00 |
| 191.05 | 2.48 | 2.48 | 0.00 |
| 191.10 | 2.53 | 2.53 | 0.00 |
| 191.15 | 2.57 | 2.57 | 0.00 |
| 191.20 | 2.61 | 2.61 | 0.00 |
| 191.25 | 2.65 | 2.65 | 0.00 |
| 191.30 | 2.69 | 2.69 | 0.00 |
| 191.35 | 2.73 | 2.73 | 0.00 |
| 191.40 | 2.77 | 2.77 | 0.00 |
| 191.45 | 2.81 | 2.81 | 0.00 |
| 191.50 | 2.85 | 2.85 | 0.00 |
| 191.55 | 2.88 | 2.88 | 0.00 |
| 191.60 | 2.92 | 2.92 | 0.00 |
| 191.65 | 2.96 | 2.96 | 0.00 |
| 191.70 | 2.99 | 2.99 | 0.00 |
| 191.75 | 3.03 | 3.03 | 0.00 |
| 191.80 | 3.06 | 3.06 | 0.00 |
| 191.85 | 3.10 | 3.10 | 0.00 |
| 191.90 | 3.13 | 3.13 | 0.00 |
| 191.95 | 3.17 | 3.17 | 0.00 |
| 192.00 | 3.20 | 3.20 | 0.00 |
| 192.05 | 3.23 | 3.23 | 0.00 |
| 192.10 | 3.27 | 3.27 | 0.00 |
| 192.15 | 3.30 | 3.30 | 0.00 |
| 192.20 | 3.33 | 3.33 | 0.00 |
| 192.25 | 3.36 | 3.36 | 0.00 |
| 192.30 | 3.40 | 3.40 | 0.00 |
| 192.35 | 3.43 | 3.43 | 0.00 |
| 192.40 | 3.46 | 3.46 | 0.00 |
| 192.45 | 3.49 | 3.49 | 0.00 |
| 192.50 | **3.52** | **3.52** | **0.00** |

## Stage-Area-Storage for Pond CB1: Catch Basin #1

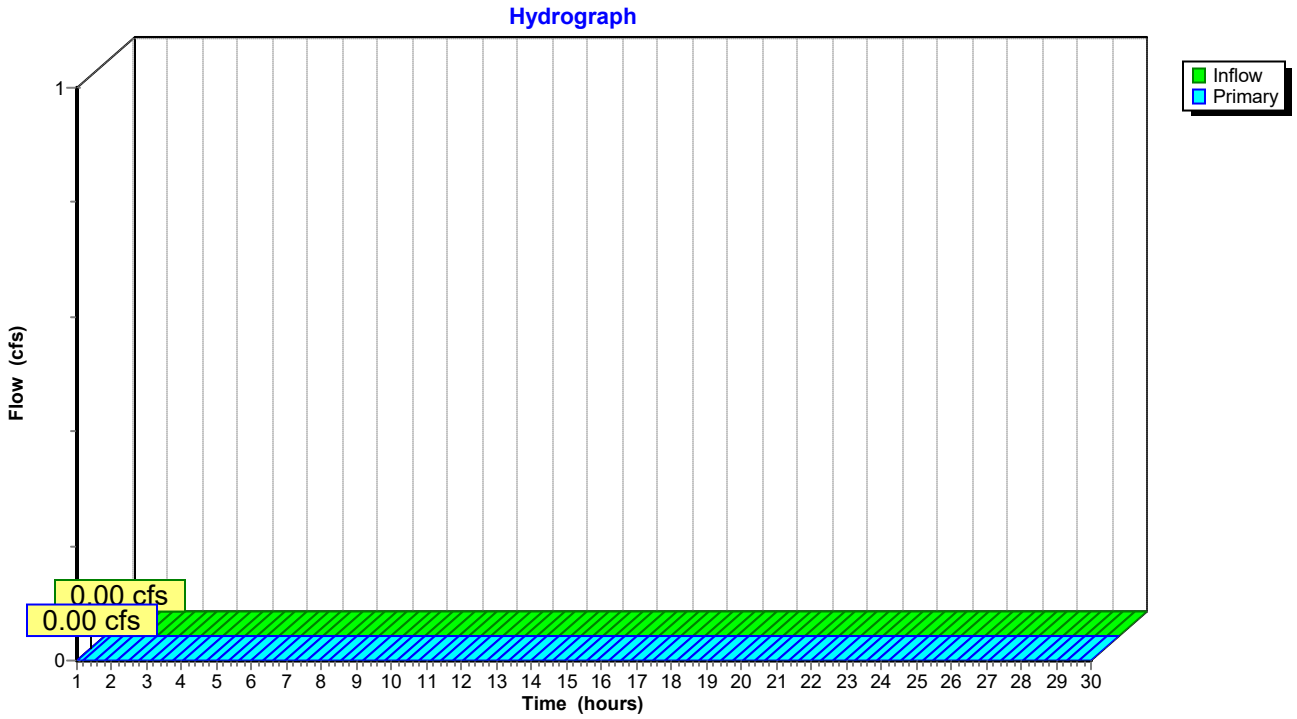
| Elevation (feet) | Storage (cubic-feet) | Elevation (feet) | Storage (cubic-feet) | Elevation (feet) | Storage (cubic-feet) | Elevation (feet) | Storage (cubic-feet) |
|---|---|---|---|---|---|---|---|
| 189.20 | **0** | 190.24 | 0 | 191.28 | 0 | 192.32 | 0 |
| 189.22 | 0 | 190.26 | 0 | 191.30 | 0 | 192.34 | 0 |
| 189.24 | 0 | 190.28 | 0 | 191.32 | 0 | 192.36 | 0 |
| 189.26 | 0 | 190.30 | 0 | 191.34 | 0 | 192.38 | 0 |
| 189.28 | 0 | 190.32 | 0 | 191.36 | 0 | 192.40 | 0 |
| 189.30 | 0 | 190.34 | 0 | 191.38 | 0 | 192.42 | 0 |
| 189.32 | 0 | 190.36 | 0 | 191.40 | 0 | 192.44 | 0 |
| 189.34 | 0 | 190.38 | 0 | 191.42 | 0 | 192.46 | 0 |
| 189.36 | 0 | 190.40 | 0 | 191.44 | 0 | 192.48 | 0 |
| 189.38 | 0 | 190.42 | 0 | 191.46 | 0 | 192.50 | 0 |
| 189.40 | 0 | 190.44 | 0 | 191.48 | 0 | | |
| 189.42 | 0 | 190.46 | 0 | 191.50 | 0 | | |
| 189.44 | 0 | 190.48 | 0 | 191.52 | 0 | | |
| 189.46 | 0 | 190.50 | 0 | 191.54 | 0 | | |
| 189.48 | 0 | 190.52 | 0 | 191.56 | 0 | | |
| 189.50 | 0 | 190.54 | 0 | 191.58 | 0 | | |
| 189.52 | 0 | 190.56 | 0 | 191.60 | 0 | | |
| 189.54 | 0 | 190.58 | 0 | 191.62 | 0 | | |
| 189.56 | 0 | 190.60 | 0 | 191.64 | 0 | | |
| 189.58 | 0 | 190.62 | 0 | 191.66 | 0 | | |
| 189.60 | 0 | 190.64 | 0 | 191.68 | 0 | | |
| 189.62 | 0 | 190.66 | 0 | 191.70 | 0 | | |
| 189.64 | 0 | 190.68 | 0 | 191.72 | 0 | | |
| 189.66 | 0 | 190.70 | 0 | 191.74 | 0 | | |
| 189.68 | 0 | 190.72 | 0 | 191.76 | 0 | | |
| 189.70 | 0 | 190.74 | 0 | 191.78 | 0 | | |
| 189.72 | 0 | 190.76 | 0 | 191.80 | 0 | | |
| 189.74 | 0 | 190.78 | 0 | 191.82 | 0 | | |
| 189.76 | 0 | 190.80 | 0 | 191.84 | 0 | | |
| 189.78 | 0 | 190.82 | 0 | 191.86 | 0 | | |
| 189.80 | 0 | 190.84 | 0 | 191.88 | 0 | | |
| 189.82 | 0 | 190.86 | 0 | 191.90 | 0 | | |
| 189.84 | 0 | 190.88 | 0 | 191.92 | 0 | | |
| 189.86 | 0 | 190.90 | 0 | 191.94 | 0 | | |
| 189.88 | 0 | 190.92 | 0 | 191.96 | 0 | | |
| 189.90 | 0 | 190.94 | 0 | 191.98 | 0 | | |
| 189.92 | 0 | 190.96 | 0 | 192.00 | 0 | | |
| 189.94 | 0 | 190.98 | 0 | 192.02 | 0 | | |
| 189.96 | 0 | 191.00 | 0 | 192.04 | 0 | | |
| 189.98 | 0 | 191.02 | 0 | 192.06 | 0 | | |
| 190.00 | 0 | 191.04 | 0 | 192.08 | 0 | | |
| 190.02 | 0 | 191.06 | 0 | 192.10 | 0 | | |
| 190.04 | 0 | 191.08 | 0 | 192.12 | 0 | | |
| 190.06 | 0 | 191.10 | 0 | 192.14 | 0 | | |
| 190.08 | 0 | 191.12 | 0 | 192.16 | 0 | | |
| 190.10 | 0 | 191.14 | 0 | 192.18 | 0 | | |
| 190.12 | 0 | 191.16 | 0 | 192.20 | 0 | | |
| 190.14 | 0 | 191.18 | 0 | 192.22 | 0 | | |
| 190.16 | 0 | 191.20 | 0 | 192.24 | 0 | | |
| 190.18 | 0 | 191.22 | 0 | 192.26 | 0 | | |
| 190.20 | 0 | 191.24 | 0 | 192.28 | 0 | | |
| 190.22 | 0 | 191.26 | 0 | 192.30 | 0 | | |

## Summary for Link 1L: Above Ground Storage

Inflow = 0.00 cfs @ 1.00 hrs, Volume= 0 cf
Primary = 0.00 cfs @ 1.00 hrs, Volume= 0 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-30.00 hrs, dt= 0.04 hrs

## Link 1L: Above Ground Storage



## Hydrograph for Link 1L: Above Ground Storage

| Time (hours) | Inflow (cfs) | Elevation (feet) | Primary (cfs) | Time (hours) | Inflow (cfs) | Elevation (feet) | Primary (cfs) |
|---|---|---|---|---|---|---|---|
| 1.00 | **0.00** | **0.00** | **0.00** | 21.80 | 0.00 | 0.00 | 0.00 |
| 1.40 | 0.00 | 0.00 | 0.00 | 22.20 | 0.00 | 0.00 | 0.00 |
| 1.80 | 0.00 | 0.00 | 0.00 | 22.60 | 0.00 | 0.00 | 0.00 |
| 2.20 | 0.00 | 0.00 | 0.00 | 23.00 | 0.00 | 0.00 | 0.00 |
| 2.60 | 0.00 | 0.00 | 0.00 | 23.40 | 0.00 | 0.00 | 0.00 |
| 3.00 | 0.00 | 0.00 | 0.00 | 23.80 | 0.00 | 0.00 | 0.00 |
| 3.40 | 0.00 | 0.00 | 0.00 | 24.20 | 0.00 | 0.00 | 0.00 |
| 3.80 | 0.00 | 0.00 | 0.00 | 24.60 | 0.00 | 0.00 | 0.00 |
| 4.20 | 0.00 | 0.00 | 0.00 | 25.00 | 0.00 | 0.00 | 0.00 |
| 4.60 | 0.00 | 0.00 | 0.00 | 25.40 | 0.00 | 0.00 | 0.00 |
| 5.00 | 0.00 | 0.00 | 0.00 | 25.80 | 0.00 | 0.00 | 0.00 |
| 5.40 | 0.00 | 0.00 | 0.00 | 26.20 | 0.00 | 0.00 | 0.00 |
| 5.80 | 0.00 | 0.00 | 0.00 | 26.60 | 0.00 | 0.00 | 0.00 |
| 6.20 | 0.00 | 0.00 | 0.00 | 27.00 | 0.00 | 0.00 | 0.00 |
| 6.60 | 0.00 | 0.00 | 0.00 | 27.40 | 0.00 | 0.00 | 0.00 |
| 7.00 | 0.00 | 0.00 | 0.00 | 27.80 | 0.00 | 0.00 | 0.00 |
| 7.40 | 0.00 | 0.00 | 0.00 | 28.20 | 0.00 | 0.00 | 0.00 |
| 7.80 | 0.00 | 0.00 | 0.00 | 28.60 | 0.00 | 0.00 | 0.00 |
| 8.20 | 0.00 | 0.00 | 0.00 | 29.00 | 0.00 | 0.00 | 0.00 |
| 8.60 | 0.00 | 0.00 | 0.00 | 29.40 | 0.00 | 0.00 | 0.00 |
| 9.00 | 0.00 | 0.00 | 0.00 | 29.80 | 0.00 | 0.00 | 0.00 |
| 9.40 | 0.00 | 0.00 | 0.00 | | | | |
| 9.80 | 0.00 | 0.00 | 0.00 | | | | |
| 10.20 | 0.00 | 0.00 | 0.00 | | | | |
| 10.60 | 0.00 | 0.00 | 0.00 | | | | |
| 11.00 | 0.00 | 0.00 | 0.00 | | | | |
| 11.40 | 0.00 | 0.00 | 0.00 | | | | |
| 11.80 | 0.00 | 0.00 | 0.00 | | | | |
| 12.20 | 0.00 | 0.00 | 0.00 | | | | |
| 12.60 | 0.00 | 0.00 | 0.00 | | | | |
| 13.00 | 0.00 | 0.00 | 0.00 | | | | |
| 13.40 | 0.00 | 0.00 | 0.00 | | | | |
| 13.80 | 0.00 | 0.00 | 0.00 | | | | |
| 14.20 | 0.00 | 0.00 | 0.00 | | | | |
| 14.60 | 0.00 | 0.00 | 0.00 | | | | |
| 15.00 | 0.00 | 0.00 | 0.00 | | | | |
| 15.40 | 0.00 | 0.00 | 0.00 | | | | |
| 15.80 | 0.00 | 0.00 | 0.00 | | | | |
| 16.20 | 0.00 | 0.00 | 0.00 | | | | |
| 16.60 | 0.00 | 0.00 | 0.00 | | | | |
| 17.00 | 0.00 | 0.00 | 0.00 | | | | |
| 17.40 | 0.00 | 0.00 | 0.00 | | | | |
| 17.80 | 0.00 | 0.00 | 0.00 | | | | |
| 18.20 | 0.00 | 0.00 | 0.00 | | | | |
| 18.60 | 0.00 | 0.00 | 0.00 | | | | |
| 19.00 | 0.00 | 0.00 | 0.00 | | | | |
| 19.40 | 0.00 | 0.00 | 0.00 | | | | |
| 19.80 | 0.00 | 0.00 | 0.00 | | | | |
| 20.20 | 0.00 | 0.00 | 0.00 | | | | |
| 20.60 | 0.00 | 0.00 | 0.00 | | | | |
| 21.00 | 0.00 | 0.00 | 0.00 | | | | |
| 21.40 | 0.00 | 0.00 | 0.00 | | | | |

# Appendix D

## NYSDEC Required Forms

1. SWPPP Preparer Certification
2. Owner/Operator Certification
3. SWPPP Preparer Certification
4. MS4 Acceptance
5. Notice of Intent
6. Contractor Certification
7. Notice of Termination

0644089821

# NOTICE OF INTENT

**New York State Department of Environmental Conservation**
**Division of Water**
**625 Broadway, 4th Floor**
**Albany, New York 12233-3505**

NYR ☐☐☐☐☐☐
(for DEC use only)

## Stormwater Discharges Associated with Construction Activity Under State Pollutant Discharge Elimination System (SPDES) General Permit # GP-0-20-001

**All sections must be completed unless otherwise noted**. Failure to complete all items may result in this form being returned to you, thereby delaying your coverage under this General Permit. Applicants must read and understand the conditions of the permit and prepare a Stormwater Pollution Prevention Plan prior to submitting this NOI. Applicants are responsible for identifying and obtaining other DEC permits that may be required.

## -IMPORTANT-
## RETURN THIS FORM TO THE ADDRESS ABOVE

**OWNER/OPERATOR MUST SIGN FORM**

### Owner/Operator Information

Owner/Operator (Company Name/Private Owner Name/Municipality Name)

Owner/Operator Contact Person Last Name (NOT CONSULTANT)

Owner/Operator Contact Person First Name

Owner/Operator Mailing Address

City

State ☐☐ Zip ☐☐☐☐☐ - ☐☐☐☐

Phone (Owner/Operator) ☐☐☐ - ☐☐☐ - ☐☐☐☐

Fax (Owner/Operator) ☐☐☐ - ☐☐☐ - ☐☐☐☐

Email (Owner/Operator)

FED TAX ID ☐☐ - ☐☐☐☐☐☐☐ (not required for individuals)

**Project Site Information**

Project/Site Name

Street Address (NOT P.O. BOX)

Side of Street
○ **North** ○ **South** ○ **East** ○ **West**

City/Town/Village (THAT ISSUES BUILDING PERMIT)

State N Y  Zip  -  County  DEC Region

Name of Nearest Cross Street

Distance to Nearest Cross Street (Feet)

Project In Relation to Cross Street
○ **North** ○ **South** ○ **East** ○ **West**

Tax Map Numbers
Section-Block-Parcel

Tax Map Numbers

1. Provide the Geographic Coordinates for the project site. To do this, go to the NYSDEC Stormwater Interactive Map on the DEC website at:

**https://gisservices.dec.ny.gov/gis/stormwater/**

Zoom into your Project Location such that you can accurately click on the centroid of your site. Once you have located the centroid of your project site, go to the bottom right hand corner of the map for the X, Y coordinates. Enter the coordinates into the boxes below. For problems with the interactive map use the help function.

**X Coordinates (Easting)**
**-7**
**Ex. -73.749**

**Y Coordinates (Northing)**
**4**
**Ex. 42.652**

2. What is the nature of this construction project?

○ **New Construction**

● **Redevelopment with increase in impervious area**

○ **Redevelopment with no increase in impervious area**

3. Select the predominant land use for both pre and post development conditions.
**SELECT ONLY ONE CHOICE FOR EACH**

**Pre-Development Existing Land Use**

- ○ FOREST
- ○ PASTURE/OPEN LAND
- ○ CULTIVATED LAND
- ○ SINGLE FAMILY HOME
- ○ SINGLE FAMILY SUBDIVISION
- ○ TOWN HOME RESIDENTIAL
- ○ MULTIFAMILY RESIDENTIAL
- ○ INSTITUTIONAL/SCHOOL
- ○ INDUSTRIAL
- ○ COMMERCIAL
- ○ ROAD/HIGHWAY
- ○ RECREATIONAL/SPORTS FIELD
- ○ BIKE PATH/TRAIL
- ○ LINEAR UTILITY
- ○ PARKING LOT
- ○ OTHER

**Post-Development Future Land Use**

- ○ SINGLE FAMILY HOME
- ○ SINGLE FAMILY SUBDIVISION — Number of Lots
- ○ TOWN HOME RESIDENTIAL
- ○ MULTIFAMILY RESIDENTIAL
- ○ INSTITUTIONAL/SCHOOL
- ○ INDUSTRIAL
- ○ COMMERCIAL
- ○ MUNICIPAL
- ○ ROAD/HIGHWAY
- ○ RECREATIONAL/SPORTS FIELD
- ○ BIKE PATH/TRAIL
- ○ LINEAR UTILITY (water, sewer, gas, etc.)
- ○ PARKING LOT
- ○ CLEARING/GRADING ONLY
- ○ DEMOLITION, NO REDEVELOPMENT
- ○ WELL DRILLING ACTIVITY *(Oil, Gas, etc.)
- ○ OTHER

***Note**: for gas well drilling, non-high volume hydraulic fractured wells only

4. In accordance with the larger common plan of development or sale, enter the total project site area; the total area to be disturbed; existing impervious area to be disturbed (for redevelopment activities); and the future impervious area constructed within the disturbed area. (Round to the nearest tenth of an acre.)

| **Total Site Area** | **Total Area To Be Disturbed** | **Existing Impervious Area To Be Disturbed** | **Future Impervious Area Within Disturbed Area** |
|---|---|---|---|
| . | . | . | . |

5. Do you plan to disturb more than 5 acres of soil at any one time? ○ **Yes** ○ **No**

6. Indicate the percentage of each Hydrologic Soil Group(HSG) at the site.

| **A** | **B** | **C** | **D** |
|---|---|---|---|
| % | % | % | % |

7. Is this a phased project? ○ **Yes** ○ **No**

8. Enter the planned start and end dates of the disturbance activities.

**Start Date** / / - **End Date** / /

9. Identify the nearest surface waterbody(ies) to which construction site runoff will discharge.

Name

9a. Type of waterbody identified in Question 9?

- ○ Wetland / State Jurisdiction On Site (Answer 9b)
- ○ Wetland / State Jurisdiction Off Site
- ○ Wetland / Federal Jurisdiction On Site (Answer 9b)
- ○ Wetland / Federal Jurisdiction Off Site
- ● Stream / Creek On Site
- ○ Stream / Creek Off Site
- ○ River On Site
- ○ River Off Site
- ○ Lake On Site
- ○ Lake Off Site
- ○ Other Type On Site
- ○ Other Type Off Site

9b. How was the wetland identified?

- ○ Regulatory Map
- ○ Delineated by Consultant
- ○ Delineated by Army Corps of Engineers
- ○ Other (identify)

10. Has the surface waterbody(ies) in question 9 been identified as a 303(d) segment in Appendix E of GP-0-20-001? ○ **Yes** ○ **No**

11. Is this project located in one of the Watersheds identified in Appendix C of GP-0-20-001? ○ **Yes** ○ **No**

12. Is the project located in one of the watershed areas associated with AA and AA-S classified waters? ○ **Yes** ○ **No**
**If no, skip question 13.**

13. Does this construction activity disturb land with no existing impervious cover and where the Soil Slope Phase is identified as an E or F on the USDA Soil Survey? ○ **Yes** ○ **No**
**If Yes, what is the acreage to be disturbed?**

. 

14. Will the project disturb soils within a State regulated wetland or the protected 100 foot adjacent area? ○ **Yes** ○ **No**

15. Does the site runoff enter a separate storm sewer system (including roadside drains, swales, ditches, culverts, etc)? ○ **Yes** ○ **No** ○ **Unknown**

16. What is the name of the municipality/entity that owns the separate storm sewer system?

17. Does any runoff from the site enter a sewer classified as a Combined Sewer? ○ **Yes** ○ **No** ○ **Unknown**

18. Will future use of this site be an agricultural property as defined by the NYS Agriculture and Markets Law? ○ **Yes** ○ **No**

19. Is this property owned by a state authority, state agency, federal government or local government? ○ **Yes** ○ **No**

20. Is this a remediation project being done under a Department approved work plan? (i.e. CERCLA, RCRA, Voluntary Cleanup Agreement, etc.) ○ **Yes** ○ **No**

21. Has the required Erosion and Sediment Control component of the SWPPP been developed in conformance with the current NYS Standards and Specifications for Erosion and Sediment Control (aka Blue Book)? ○ **Yes** ○ **No**

22. Does this construction activity require the development of a SWPPP that includes the post-construction stormwater management practice component (i.e. Runoff Reduction, Water Quality and Quantity Control practices/techniques)? ○ **Yes** ○ **No**
**If No, skip questions 23 and 27-39.**

23. Has the post-construction stormwater management practice component of the SWPPP been developed in conformance with the current NYS Stormwater Management Design Manual? ○ **Yes** ○ **No**

24. The Stormwater Pollution Prevention Plan (SWPPP) was prepared by:

- ○ **Professional Engineer (P.E.)**
- ○ **Soil and Water Conservation District (SWCD)**
- ○ **Registered Landscape Architect (R.L.A)**
- ○ **Certified Professional in Erosion and Sediment Control (CPESC)**
- ○ **Owner/Operator**
- ○ **Other**

SWPPP Preparer

Contact Name (Last, Space, First)

Mailing Address

City

State Zip -

Phone - -

Fax - -

Email

**SWPPP Preparer Certification**

I hereby certify that the Stormwater Pollution Prevention Plan (SWPPP) for this project has been prepared in accordance with the terms and conditions of the GP-0-20-001. Furthermore, I understand that certifying false, incorrect or inaccurate information is a violation of this permit and the laws of the State of New York and could subject me to criminal, civil and/or administrative proceedings.

**First Name** **MI**

**Last Name**

**Signature**

**Date** / /

25. Has a construction sequence schedule for the planned management practices been prepared? ○ Yes ○ No

26. Select **all** of the erosion and sediment control practices that will be employed on the project site:

## Temporary Structural

- ○ Check Dams
- ○ Construction Road Stabilization
- ○ Dust Control
- ○ Earth Dike
- ○ Level Spreader
- ○ Perimeter Dike/Swale
- ○ Pipe Slope Drain
- ○ Portable Sediment Tank
- ○ Rock Dam
- ○ Sediment Basin
- ○ Sediment Traps
- ○ Silt Fence
- ○ Stabilized Construction Entrance
- ○ Storm Drain Inlet Protection
- ○ Straw/Hay Bale Dike
- ○ Temporary Access Waterway Crossing
- ○ Temporary Stormdrain Diversion
- ○ Temporary Swale
- ○ Turbidity Curtain
- ○ Water bars

## Biotechnical

- ○ Brush Matting
- ○ Wattling

## Vegetative Measures

- ○ Brush Matting
- ○ Dune Stabilization
- ○ Grassed Waterway
- ○ Mulching
- ○ Protecting Vegetation
- ○ Recreation Area Improvement
- ○ Seeding
- ○ Sodding
- ○ Straw/Hay Bale Dike
- ○ Streambank Protection
- ○ Temporary Swale
- ○ Topsoiling
- ○ Vegetating Waterways

## Permanent Structural

- ○ Debris Basin
- ○ Diversion
- ○ Grade Stabilization Structure
- ○ Land Grading
- ○ Lined Waterway (Rock)
- ○ Paved Channel (Concrete)
- ○ Paved Flume
- ○ Retaining Wall
- ○ Riprap Slope Protection
- ○ Rock Outlet Protection
- ○ Streambank Protection

**Other**

**Post-construction Stormwater Management Practice (SMP) Requirements**

**Important: Completion of Questions 27-39 is not required if response to Question 22 is No.**

27. Identify all site planning practices that were used to prepare the final site plan/layout for the project.

- ○ **Preservation of Undisturbed Areas**
- ○ **Preservation of Buffers**
- ○ **Reduction of Clearing and Grading**
- ○ **Locating Development in Less Sensitive Areas**
- ○ **Roadway Reduction**
- ○ **Sidewalk Reduction**
- ○ **Driveway Reduction**
- ○ **Cul-de-sac Reduction**
- ○ **Building Footprint Reduction**
- ○ **Parking Reduction**

27a. Indicate which of the following soil restoration criteria was used to address the requirements in Section 5.1.6("Soil Restoration") of the Design Manual (2010 version).

- ○ All disturbed areas will be restored in accordance with the Soil Restoration requirements in Table 5.3 of the Design Manual (see page 5-22).

- ○ Compacted areas were considered as impervious cover when calculating the **WQv Required**, and the compacted areas were assigned a post-construction Hydrologic Soil Group (HSG) designation that is one level less permeable than existing conditions for the hydrology analysis.

28. Provide the total Water Quality Volume (WQv) required for this project (based on final site plan/layout).

**Total WQv Required**

| | | | . | | | |
|---|---|---|---|---|---|---|
| | | | . | | | **acre-feet** |

29. Identify the RR techniques (Area Reduction), RR techniques(Volume Reduction) and Standard SMPs with RRv Capacity in Table 1 (See Page 9) that were used to reduce the Total WQv Required(#28).

Also, provide in Table 1 the total impervious area that contributes runoff to each technique/practice selected. For the Area Reduction Techniques, provide the total contributing area (includes pervious area) and, if applicable, the total impervious area that contributes runoff to the technique/practice.

**Note:** Redevelopment projects shall use Tables 1 and 2 to identify the SMPs used to treat and/or reduce the WQv required. If runoff reduction techniques will not be used to reduce the required WQv, skip to question 33a after identifying the SMPs.

**Table 1 - Runoff Reduction (RR) Techniques and Standard Stormwater Management Practices (SMPs)**

| | Total Contributing Area (acres) | | Total Contributing Impervious Area(acres) |
|---|---|---|---|
| **RR Techniques (Area Reduction)** | | | |
| ○ Conservation of Natural Areas (RR-1) | ___.___ | and/or | ___.___ |
| ○ Sheetflow to Riparian Buffers/Filters Strips (RR-2) | ___.___ | and/or | ___.___ |
| ○ Tree Planting/Tree Pit (RR-3) | ___.___ | and/or | ___.___ |
| ○ Disconnection of Rooftop Runoff (RR-4) | ___.___ | and/or | ___.___ |
| **RR Techniques (Volume Reduction)** | | | |
| ○ Vegetated Swale (RR-5) | | | ___.___ |
| ○ Rain Garden (RR-6) | | | ___.___ |
| ○ Stormwater Planter (RR-7) | | | ___.___ |
| ○ Rain Barrel/Cistern (RR-8) | | | ___.___ |
| ○ Porous Pavement (RR-9) | | | ___.___ |
| ○ Green Roof (RR-10) | | | ___.___ |
| **Standard SMPs with RRv Capacity** | | | |
| ○ Infiltration Trench (I-1) | | | ___.___ |
| ○ Infiltration Basin (I-2) | | | ___.___ |
| ○ Dry Well (I-3) | | | ___.___ |
| ○ Underground Infiltration System (I-4) | | | ___.___ |
| ○ Bioretention (F-5) | | | ___.___ |
| ○ Dry Swale (O-1) | | | ___.___ |
| **Standard SMPs** | | | |
| ○ Micropool Extended Detention (P-1) | | | ___.___ |
| ○ Wet Pond (P-2) | | | ___.___ |
| ○ Wet Extended Detention (P-3) | | | ___.___ |
| ○ Multiple Pond System (P-4) | | | ___.___ |
| ○ Pocket Pond (P-5) | | | ___.___ |
| ○ Surface Sand Filter (F-1) | | | ___.___ |
| ○ Underground Sand Filter (F-2) | | | ___.___ |
| ○ Perimeter Sand Filter (F-3) | | | ___.___ |
| ○ Organic Filter (F-4) | | | ___.___ |
| ○ Shallow Wetland (W-1) | | | ___.___ |
| ○ Extended Detention Wetland (W-2) | | | ___.___ |
| ○ Pond/Wetland System (W-3) | | | ___.___ |
| ○ Pocket Wetland (W-4) | | | ___.___ |
| ○ Wet Swale (O-2) | | | ___.___ |

**Table 2 - Alternative SMPs (DO NOT INCLUDE PRACTICES BEING USED FOR PRETREATMENT ONLY)**

| Alternative SMP | Total Contributing Impervious Area(acres) |
|---|---|
| ○ Hydrodynamic ..... | |
| ○ Wet Vault ..... | |
| ○ Media Filter ..... | |
| ○ Other ..... | |

Provide the name and manufacturer of the Alternative SMPs (i.e. proprietary practice(s)) being used for WQv treatment.

Name

Manufacturer

**Note**: Redevelopment projects which do not use RR techniques, shall use questions 28, 29, 33 and 33a to provide SMPs used, total WQv required and total WQv provided for the project.

30. Indicate the Total RRv provided by the RR techniques (Area/Volume Reduction) and Standard SMPs with RRv capacity identified in question 29.

**Total RRv provided**

. **acre-feet**

31. Is the Total RRv provided (#30) greater than or equal to the total WQv required (#28).

○ **Yes** ○ **No**

**If Yes, go to question 36.**
**If No, go to question 32.**

32. Provide the Minimum RRv required based on HSG.
[Minimum RRv Required = (P)(0.95)(Ai)/12, Ai=(S)(Aic)]

**Minimum RRv Required**

. **acre-feet**

32a. Is the Total RRv provided (#30) greater than or equal to the Minimum RRv Required (#32)?

○ **Yes** ○ **No**

**If Yes, go to question 33.**
**Note**: Use the space provided in question #39 to summarize the specific site limitations and justification for not reducing 100% of WQv required (#28). A detailed evaluation of the specific site limitations and justification for not reducing 100% of the WQv required (#28) must also be included in the SWPPP.
**If No, sizing criteria has not been met, so NOI can not be processed. SWPPP preparer must modify design to meet sizing criteria.**

33. Identify the Standard SMPs in Table 1 and, if applicable, the Alternative SMPs in Table 2 that were used to treat the remaining total WQv(=Total WQv Required in 28 - Total RRv Provided in 30).

Also, provide in Table 1 and 2 the total impervious area that contributes runoff to each practice selected.

**Note**: Use Tables 1 and 2 to identify the SMPs used on Redevelopment projects.

33a. Indicate the Total WQv provided (i.e. WQv treated) by the SMPs identified in question #33 and Standard SMPs with RRv Capacity identified in question 29.

**WQv Provided**

[ ][ ][ ].[ ][ ][ ] **acre-feet**

**Note**: For the standard SMPs with RRv capacity, the WQv provided by each practice = the WQv calculated using the contributing drainage area to the practice - RRv provided by the practice. (See Table 3.5 in Design Manual)

34. Provide the sum of the Total RRv provided (#30) and the WQv provided (#33a). [ ][ ][ ].[ ][ ][ ]

35. Is the sum of the RRv provided (#30) and the WQv provided (#33a) greater than or equal to the total WQv required (#28)? ○ **Yes** ○ **No**

**If Yes, go to question 36.**
**If No, sizing criteria has not been met, so NOI can not be processed. SWPPP preparer must modify design to meet sizing criteria.**

36. Provide the total Channel Protection Storage Volume (CPv) required and provided or select waiver (36a), if applicable.

**CPv Required**

[ ][ ][ ].[ ][ ][ ] **acre-feet**

**CPv Provided**

[ ][ ][ ].[ ][ ][ ] **acre-feet**

36a. The need to provide channel protection has been waived because:

○ Site discharges directly to tidal waters or a fifth order or larger stream.

○ Reduction of the total CPv is achieved on site through runoff reduction techniques or infiltration systems.

37. Provide the Overbank Flood (Qp) and Extreme Flood (Qf) control criteria or select waiver (37a), if applicable.

**Total Overbank Flood Control Criteria (Qp)**

**Pre-Development**

[ ][ ][ ].[ ][ ][ ] **CFS**

**Post-development**

[ ][ ][ ].[ ][ ][ ] **CFS**

**Total Extreme Flood Control Criteria (Qf)**

**Pre-Development**

[ ][ ][ ].[ ][ ][ ] **CFS**

**Post-development**

[ ][ ][ ].[ ][ ][ ] **CFS**

37a. The need to meet the Qp and Qf criteria has been waived because:

- ○ Site discharges directly to tidal waters or a fifth order or larger stream.
- ○ Downstream analysis reveals that the Qp and Qf controls are not required

38. Has a long term Operation and Maintenance Plan for the post-construction stormwater management practice(s) been developed? ○ **Yes** ○ **No**

If Yes, Identify the entity responsible for the long term Operation and Maintenance

39. Use this space to summarize the specific site limitations and justification for not reducing 100% of WQv required(#28). (See question 32a) This space can also be used for other pertinent project information.

40. Identify other DEC permits, existing and new, that are required for this project/facility.

- ○ Air Pollution Control
- ○ Coastal Erosion
- ○ Hazardous Waste
- ○ Long Island Wells
- ○ Mined Land Reclamation
- ○ Solid Waste
- ○ Navigable Waters Protection / Article 15
- ○ Water Quality Certificate
- ○ Dam Safety
- ○ Water Supply
- ○ Freshwater Wetlands/Article 24
- ○ Tidal Wetlands
- ○ Wild, Scenic and Recreational Rivers
- ○ Stream Bed or Bank Protection / Article 15
- ○ Endangered or Threatened Species(Incidental Take Permit)
- ○ Individual SPDES
- ○ SPDES Multi-Sector GP [N][Y][R][ ][ ][ ][ ][ ][ ]
- ○ Other [ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ]
- ○ None

41. Does this project require a US Army Corps of Engineers Wetland Permit? ○ **Yes** ○ **No**
**If Yes, Indicate Size of Impact.** [ ][ ][ ][ ][ ].[ ]

42. Is this project subject to the requirements of a regulated, traditional land use control MS4? ○ **Yes** ○ **No**
**(If No, skip question 43)**

43. Has the "MS4 SWPPP Acceptance" form been signed by the principal executive officer or ranking elected official and submitted along with this NOI? ○ **Yes** ○ **No**

44. If this NOI is being submitted for the purpose of continuing or transferring coverage under a general permit for stormwater runoff from construction activities, please indicate the former SPDES number assigned. [N][Y][R][ ][ ][ ][ ][ ][ ]

## Owner/Operator Certification

I have read or been advised of the permit conditions and believe that I understand them. I also understand that, under the terms of the permit, there may be reporting requirements. I hereby certify that this document and the corresponding documents were prepared under my direction or supervision. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further understand that coverage under the general permit will be identified in the acknowledgment that I will receive as a result of submitting this NOI and can be as long as sixty (60) business days as provided for in the general permit. I also understand that, by submitting this NOI, I am acknowledging that the SWPPP has been developed and will be implemented as the first element of construction, and agreeing to comply with all the terms and conditions of the general permit for which this NOI is being submitted.

**Print First Name**

**MI**

**Print Last Name**

**Owner/Operator Signature**

**Date**

/ /

## CONTRACTOR CERTIFICATION

I hereby certify under penalty of law that I understand and agree to comply with the terms and conditions of the SWPPP and agree to implement any corrective actions identified by the *qualified inspector* during a site inspection. I also understand that the *owner or operator* must comply with the terms and conditions of the most current version of the New York state Pollutant Discharge Elimination System ("SPDES") general permit for stormwater *discharges* from *construction activities* and that it is unlawful for any person to cause or contribute to a violation of *water quality standards.* Furthermore, I am aware that there are significant penalties for submitting false information, that I do not believe to be true, including the possibility of fine and imprisonment for knowing violations."

| _____ | _____ | _____ |
|---|---|---|
| Contractor Signature | Title | Date |
| _____ | _____ | _____ |
| Contractor Signature | Title | Date |
| _____ | _____ | _____ |
| Contractor Signature | Title | Date |
| _____ | _____ | _____ |
| Contractor Signature | Title | Date |

**New York State Department of Environmental Conservation**
**Division of Water**
**625 Broadway, 4th Floor**
**Albany, New York 12233-3505**
***(NOTE: Submit completed form to address above)***

# NOTICE OF TERMINATION for Storm Water Discharges Authorized under the SPDES General Permit for Construction Activity

**Please indicate your permit identification number:** NYR ___ ___ ___ ___ ___ ___

**I. Owner or Operator Information**

1. Owner/Operator Name:

2. Street Address:

3. City/State/Zip:

4. Contact Person: | 4a.Telephone:

4b. Contact Person E-Mail:

**II. Project Site Information**

5. Project/Site Name:

6. Street Address:

7. City/Zip:

8. County:

**III. Reason for Termination**

9a. □ All disturbed areas have achieved final stabilization in accordance with the general permit and SWPPP. ***Date final stabilization completed** (month/year): _____

9b. □ Permit coverage has been transferred to new owner/operator. Indicate new owner/operator's permit identification number: NYR ___ ___ ___ ___ ___ ___
(Note: Permit coverage can not be terminated by owner identified in I.1. above until new owner/operator obtains coverage under the general permit)

9c. □ Other (Explain on Page 2)

**IV. Final Site Information**:

10a. Did this construction activity require the development of a SWPPP that includes post-construction stormwater management practices? □ yes □ no ( If no, go to question 10f.)

10b. Have all post-construction stormwater management practices included in the final SWPPP been constructed? □ yes □ no (If no, explain on Page 2)

10c. Identify the entity responsible for long-term operation and maintenance of practice(s)?

_____

## NOTICE OF TERMINATION for Storm Water Discharges Authorized under the SPDES General Permit for Construction Activity - continued

10d. Has the entity responsible for long-term operation and maintenance been given a copy of the operation and maintenance plan required by the general permit? □ yes □ no

10e. Indicate the method used to ensure long-term operation and maintenance of the post-construction stormwater management practice(s):

□ Post-construction stormwater management practice(s) and any right-of-way(s) needed to maintain practice(s) have been deeded to the municipality.

□ Executed maintenance agreement is in place with the municipality that will maintain the post-construction stormwater management practice(s).

□ For post-construction stormwater management practices that are privately owned, a mechanism is in place that requires operation and maintenance of the practice(s) in accordance with the operation and maintenance plan, such as a deed covenant in the owner or operator's deed of record.

□ For post-construction stormwater management practices that are owned by a public or private institution (e.g. school, university or hospital), government agency or authority, or public utility; policy and procedures are in place that ensures operation and maintenance of the practice(s) in accordance with the operation and maintenance plan.

10f. Provide the total area of impervious surface (i.e. roof, pavement, concrete, gravel, etc.) constructed within the disturbance area? _____ (acres)

11. Is this project subject to the requirements of a regulated, traditional land use control MS4? □ yes □ no

(If Yes, complete section VI - "MS4 Acceptance" statement

**V. Additional Information/Explanation:**

(Use this section to answer questions 9c. and 10b., if applicable)

**VI. MS4 Acceptance - MS4 Official (principal executive officer or ranking elected official) or Duly Authorized Representative** (Note: Not required when 9b. is checked -transfer of coverage)

I have determined that it is acceptable for the owner or operator of the construction project identified in question 5 to submit the Notice of Termination at this time.

Printed Name:

Title/Position:

| Signature: | Date: |
|---|---|

## NOTICE OF TERMINATION for Storm Water Discharges Authorized under the SPDES General Permit for Construction Activity - continued

**VII. Qualified Inspector Certification - Final Stabilization**:

I hereby certify that all disturbed areas have achieved final stabilization as defined in the current version of the general permit, and that all temporary, structural erosion and sediment control measures have been removed. Furthermore, I understand that certifying false, incorrect or inaccurate information is a violation of the referenced permit and the laws of the State of New York and could subject me to criminal, civil and/or administrative proceedings.

| | |
|---|---|
| Printed Name: | |
| Title/Position: | |
| Signature: | Date: |

**VIII. Qualified Inspector Certification - Post-construction Stormwater Management Practice(s):**

I hereby certify that all post-construction stormwater management practices have been constructed in conformance with the SWPPP. Furthermore, I understand that certifying false, incorrect or inaccurate information is a violation of the referenced permit and the laws of the State of New York and could subject me to criminal, civil and/or administrative proceedings.

| | |
|---|---|
| Printed Name: | |
| Title/Position: | |
| Signature: | Date: |

**IX. Owner or Operator Certification**

I hereby certify that this document was prepared by me or under my direction or supervision. My determination, based upon my inquiry of the person(s) who managed the construction activity, or those persons directly responsible for gathering the information, is that the information provided in this document is true, accurate and complete. Furthermore, I understand that certifying false, incorrect or inaccurate information is a violation of the referenced permit and the laws of the State of New York and could subject me to criminal, civil and/or administrative proceedings.

| | |
|---|---|
| Printed Name: | |
| Title/Position: | |
| Signature: | Date: |

(NYS DEC Notice of Termination - January 2015)

# Appendix E

## Sample SWPPP Inspection Report

1. Construction Site Log Book (Blue Book Appendix F)
2. Corrective Action Log

# APPENDIX F
# CONSTRUCTION SITE INSPECTION AND MAINTENANCE LOG BOOK

**STATE POLLUTANT DISCHARGE ELIMINATION SYSTEM FOR CONSTRUCTION ACTIVITIES**

## SAMPLE CONSTRUCTION SITE LOG BOOK

Table of Contents


I. Pre-Construction Meeting Documents
   a. Preamble to Site Assessment and Inspections
   b. Pre-Construction Site Assessment Checklist

II. Construction Duration Inspections
   a. Directions
   b. Modification to the SWPPP

I. **PRE-CONSTRUCTION MEETING DOCUMENTS**

**Project Name** _____

**Permit No.** _____ **Date of Authorization** _____

**Name of Operator** _____

**Prime Contractor** _____

a. **Preamble to Site Assessment and Inspections**

The Following Information To Be Read By All Person's Involved in The Construction of Stormwater Related Activities:

The Operator agrees to have a qualified inspector[1] conduct an assessment of the site prior to the commencement of construction[2] and certify in this inspection report that the appropriate erosion and sediment controls described in the SWPPP have been adequately installed or implemented to ensure overall preparedness of the site for the commencement of construction.

Prior to the commencement of construction, the Operator shall certify in this site logbook that the SWPPP has been prepared in accordance with the State's standards and meets all Federal, State and local erosion and sediment control requirements. A preconstruction meeting should be held to review all of the SWPPP requirements with construction personnel.

When construction starts, site inspections shall be conducted by the qualified inspector at least every 7 calendar days. The Operator shall maintain a record of all inspection reports in this site logbook. The site logbook shall be maintained on site and be made available to the permitting authorities upon request.

Prior to filing the Notice of Termination or the end of permit term, the Operator shall have a qualified inspector perform a final site inspection. The qualified inspector shall certify that the site has undergone final stabilization[3] using either vegetative or structural stabilization methods and that all temporary erosion and sediment controls (such as silt fencing) not needed for long-term erosion control have been removed. In addition, the Operator must identify and certify that all permanent structures described in the SWPPP have been constructed and provide the owner(s) with an operation and maintenance plan that ensures the structure(s) continuously functions as designed.

1 Refer to "Qualified Inspector" inspection requirements in the current SPDES General Permit for Stormwater Discharges from Construction Activity for complete list of inspection requirements.
2 "Commencement of construction" means the initial removal of vegetation and disturbance of soils associated with clearing, grading or excavating activities or other construction activities.
3 "Final stabilization" means that all soil-disturbing activities at the site have been completed and a uniform, perennial vegetative cover with a density of eighty (80) percent has been established or equivalent stabilization measures (such as the use of mulches or geotextiles) have been employed on all unpaved areas and areas not covered by permanent structures.

**b. Pre-construction Site Assessment Checklist**
**(NOTE: Provide comments below as necessary)**

1. Notice of Intent, SWPPP, and Contractors Certification:

**Yes No NA**

[ ] [ ] [ ] Has a Notice of Intent been filed with the NYS Department of Conservation?
[ ] [ ] [ ] Is the SWPPP on-site? Where?_____
[ ] [ ] [ ] Is the Plan current? What is the latest revision date?_____
[ ] [ ] [ ] Is a copy of the NOI (with brief description) onsite? Where?_____
[ ] [ ] [ ] Have all contractors involved with stormwater related activities signed a contractor's certification?

2. Resource Protection

**Yes No NA**

[ ] [ ] [ ] Are construction limits clearly flagged or fenced?
[ ] [ ] [ ] Important trees and associated rooting zones, on-site septic system absorption fields, existing vegetated areas suitable for filter strips, especially in perimeter areas, have been flagged for protection.
[ ] [ ] [ ] Creek crossings installed prior to land-disturbing activity, including clearing and blasting.

3. Surface Water Protection

**Yes No NA**

[ ] [ ] [ ] Clean stormwater runoff has been diverted from areas to be disturbed.
[ ] [ ] [ ] Bodies of water located either on site or in the vicinity of the site have been identified and protected.
[ ] [ ] [ ] Appropriate practices to protect on-site or downstream surface water are installed.
[ ] [ ] [ ] Are clearing and grading operations divided into areas <5 acres?

4. Stabilized Construction Access

**Yes No NA**

[ ] [ ] [ ] A temporary construction entrance to capture mud and debris from construction vehicles before they enter the public highway has been installed.
[ ] [ ] [ ] Other access areas (entrances, construction routes, equipment parking areas) are stabilized immediately as work takes place with gravel or other cover.
[ ] [ ] [ ] Sediment tracked onto public streets is removed or cleaned on a regular basis.

5. Sediment Controls

**Yes No NA**

[ ] [ ] [ ] Silt fence material and installation comply with the standard drawing and specifications.
[ ] [ ] [ ] Silt fences are installed at appropriate spacing intervals
[ ] [ ] [ ] Sediment/detention basin was installed as first land disturbing activity.
[ ] [ ] [ ] Sediment traps and barriers are installed.

6. Pollution Prevention for Waste and Hazardous Materials

**Yes No NA**

[ ] [ ] [ ] The Operator or designated representative has been assigned to implement the spill prevention avoidance and response plan.
[ ] [ ] [ ] The plan is contained in the SWPPP on page _____
[ ] [ ] [ ] Appropriate materials to control spills are onsite. Where? _____

## II. CONSTRUCTION DURATION INSPECTIONS

### a. Directions:

**Inspection Forms will be filled out during the entire construction phase of the project.**

Required Elements:

1) On a site map, indicate the extent of all disturbed site areas and drainage pathways. Indicate site areas that are expected to undergo initial disturbance or significant site work within the next 14-day period;

2) Indicate on a site map all areas of the site that have undergone temporary or permanent stabilization;

3) Indicate all disturbed site areas that have not undergone active site work during the previous 14-day period;

4) Inspect all sediment control practices and record the approximate degree of sediment accumulation as a percentage of sediment storage volume (for example, 10 percent, 20 percent, 50 percent);

5) Inspect all erosion and sediment control practices and record all maintenance requirements such as verifying the integrity of barrier or diversion systems (earthen berms or silt fencing) and containment systems (sediment basins and sediment traps). Identify any evidence of rill or gully erosion occurring on slopes and any loss of stabilizing vegetation or seeding/mulching. Document any excessive deposition of sediment or ponding water along barrier or diversion systems. Record the depth of sediment within containment structures, any erosion near outlet and overflow structures, and verify the ability of rock filters around perforated riser pipes to pass water; and

6) Immediately report to the Operator any deficiencies that are identified with the implementation of the SWPPP.

**SITE PLAN/SKETCH**

| | |
|---|---|
| **Inspector (print name)** | **Date of Inspection** |
| **Qualified Inspector (print name)** | **Qualified Inspector Signature** |

The above signed acknowledges that, to the best of his/her knowledge, all information provided on the forms is accurate and complete.

**Maintaining Water Quality**

**Yes No NA**

[ ] [ ] [ ] Is there an increase in turbidity causing a substantial visible contrast to natural conditions at the outfalls?
[ ] [ ] [ ] Is there residue from oil and floating substances, visible oil film, or globules or grease at the outfalls?
[ ] [ ] [ ] All disturbance is within the limits of the approved plans.
[ ] [ ] [ ] Have receiving lake/bay, stream, and/or wetland been impacted by silt from project?

**Housekeeping**

1. General Site Conditions

**Yes No NA**

[ ] [ ] [ ] Is construction site litter, debris and spoils appropriately managed?
[ ] [ ] [ ] Are facilities and equipment necessary for implementation of erosion and sediment control in working order and/or properly maintained?
[ ] [ ] [ ] Is construction impacting the adjacent property?
[ ] [ ] [ ] Is dust adequately controlled?

2. Temporary Stream Crossing

**Yes No NA**

[ ] [ ] [ ] Maximum diameter pipes necessary to span creek without dredging are installed.
[ ] [ ] [ ] Installed non-woven geotextile fabric beneath approaches.
[ ] [ ] [ ] Is fill composed of aggregate (no earth or soil)?
[ ] [ ] [ ] Rock on approaches is clean enough to remove mud from vehicles & prevent sediment from entering stream during high flow.

3. Stabilized Construction Access

**Yes No NA**

[ ] [ ] [ ] Stone is clean enough to effectively remove mud from vehicles.
[ ] [ ] [ ] Installed per standards and specifications?
[ ] [ ] [ ] Does all traffic use the stabilized entrance to enter and leave site?
[ ] [ ] [ ] Is adequate drainage provided to prevent ponding at entrance?

**Runoff Control Practices**

1. Excavation Dewatering

**Yes No NA**

[ ] [ ] [ ] Upstream and downstream berms (sandbags, inflatable dams, etc.) are installed per plan.
[ ] [ ] [ ] Clean water from upstream pool is being pumped to the downstream pool.
[ ] [ ] [ ] Sediment laden water from work area is being discharged to a silt-trapping device.
[ ] [ ] [ ] Constructed upstream berm with one-foot minimum freeboard.

**Runoff Control Practices (continued)**

2. Flow Spreader

**Yes No NA**

[ ] [ ] [ ] Installed per plan.
[ ] [ ] [ ] Constructed on undisturbed soil, not on fill, receiving only clear, non-sediment laden flow.
[ ] [ ] [ ] Flow sheets out of level spreader without erosion on downstream edge.

3. Interceptor Dikes and Swales

**Yes No NA**

[ ] [ ] [ ] Installed per plan with minimum side slopes 2H:1V or flatter.
[ ] [ ] [ ] Stabilized by geotextile fabric, seed, or mulch with no erosion occurring.
[ ] [ ] [ ] Sediment-laden runoff directed to sediment trapping structure

4. Stone Check Dam

**Yes No NA**

[ ] [ ] [ ] Is channel stable? (flow is not eroding soil underneath or around the structure).
[ ] [ ] [ ] Check is in good condition (rocks in place and no permanent pools behind the structure).
[ ] [ ] [ ] Has accumulated sediment been removed?.

5. Rock Outlet Protection

**Yes No NA**

[ ] [ ] [ ] Installed per plan.
[ ] [ ] [ ] Installed concurrently with pipe installation.

**Soil Stabilization**

1. Topsoil and Spoil Stockpiles

**Yes No NA**

[ ] [ ] [ ] Stockpiles are stabilized with vegetation and/or mulch.
[ ] [ ] [ ] Sediment control is installed at the toe of the slope.

2. Revegetation

**Yes No NA**

[ ] [ ] [ ] Temporary seedings and mulch have been applied to idle areas.
[ ] [ ] [ ] 4 inches minimum of topsoil has been applied under permanent seedings

**Sediment Control Practices**

1. Silt Fence and Linear Barriers

**Yes No NA**

[ ] [ ] [ ] Installed on Contour, 10 feet from toe of slope (not across conveyance channels).
[ ] [ ] [ ] Joints constructed by wrapping the two ends together for continuous support.
[ ] [ ] [ ] Fabric buried 6 inches minimum.
[ ] [ ] [ ] Posts are stable, fabric is tight and without rips or frayed areas.
Sediment accumulation is ___% of design capacity.

**Sediment Control Practices (continued)**

2. Storm Drain Inlet Protection (Use for Stone & Block; Filter Fabric; Curb; or, Excavated; Filter Sock or Manufactured practices)

**Yes No NA**

[ ] [ ] [ ] Installed concrete blocks lengthwise so open ends face outward, not upward.
[ ] [ ] [ ] Placed wire screen between No. 3 crushed stone and concrete blocks.
[ ] [ ] [ ] Drainage area is 1acre or less.
[ ] [ ] [ ] Excavated area is 900 cubic feet.
[ ] [ ] [ ] Excavated side slopes should be 2:1.
[ ] [ ] [ ] 2" x 4" frame is constructed and structurally sound.
[ ] [ ] [ ] Posts 3-foot maximum spacing between posts.
[ ] [ ] [ ] Fabric is embedded 1 to 1.5 feet below ground and secured to frame/posts with staples at max 8-inch spacing.
[ ] [ ] [ ] Posts are stable, fabric is tight and without rips or frayed areas.
[ ] [ ] [ ] Manufactured insert fabric is free of tears and punctures.
[ ] [ ] [ ] Filter Sock is not torn or flattened and fill material is contained within the mesh sock.

Sediment accumulation ___% of design capacity.

3. Temporary Sediment Trap

**Yes No NA**

[ ] [ ] [ ] Outlet structure is constructed per the approved plan or drawing.
[ ] [ ] [ ] Geotextile fabric has been placed beneath rock fill.
[ ] [ ] [ ] Sediment trap slopes and disturbed areas are stabilized.

Sediment accumulation is ___% of design capacity.

4. Temporary Sediment Basin

**Yes No NA**

[ ] [ ] [ ] Basin and outlet structure constructed per the approved plan.
[ ] [ ] [ ] Basin side slopes are stabilized with seed/mulch.
[ ] [ ] [ ] Drainage structure flushed and basin surface restored upon removal of sediment basin facility.
[ ] [ ] [ ] Sediment basin dewatering pool is dewatering at appropriate rate.

Sediment accumulation is ___% of design capacity.

Note: Not all erosion and sediment control practices are included in this listing. Add additional pages to this list as required by site specific design. All practices shall be maintained in accordance with their respective standards.

Construction inspection checklists for post-development stormwater management practices can be found in Appendix F of the New York Stormwater Management Design Manual.

## CONSTRUCTION DURATION INSPECTIONS

### b. Modifications to the SWPPP (To be completed as described below)

The Operator shall amend the SWPPP whenever:

1. There is a significant change in design, construction, operation, or maintenance which may have a significant effect on the potential for the discharge of pollutants to the waters of the United States and which has not otherwise been addressed in the SWPPP; or
2. The SWPPP proves to be ineffective in:
   a. Eliminating or significantly minimizing pollutants from sources identified in the SWPPP and as required by this permit; or
   b. Achieving the general objectives of controlling pollutants in stormwater discharges from permitted construction activity; and
3. Additionally, the SWPPP shall be amended to identify any new contractor or subcontractor that will implement any measure of the SWPPP.

**Modification & Reason:**

## III. Monthly Summary of Site Inspection Activities

| Name of Permitted Facility: | Today's Date: | Reporting Month: |
|---|---|---|
| Location: | Permit Identification #: | |
| Name and Telephone Number of Site Inspector: | | |

| Date of Inspection | Regular / Rainfall based Inspection | Name of Inspector | Items of Concern |
|---|---|---|---|
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***Owner/Operator Certification:***

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that false statements made herein are punishable as a class A misdemeanor pursuant to Section 210.45 of the Penal Law."

_____ _____

Signature of Permittee or Duly Authorized Representative Name of Permittee or Duly Authorized Representative date

Duly authorized representatives must have written authorization, submitted to DEC, to sign any permit documents.

## NYSDEC Documentation and SWPPP Forms

**NYSDEC Issued Permit Identification Number:** NYRXXXXXX

**5-Acre Waiver:** N/A (No 5-acre waiver for this project - Contractor not authorized to disturb >5 acres)

**303d Status:** Project does not directly discharge to a 303d impaired waterbody

**Number of Inspections required:** Monthly

**Location of SWPPP and Site Log Book on-site:**

| YES | NO | N/A | CONTAINED IN SITE LOG BOOK? |
|---|---|---|---|
| ☐ | ☐ | ☐ | Preconstruction Assessment |
| ☐ | ☐ | ☐ | NOI Acknowledgement letter |
| ☐ | ☐ | ☐ | Copy of eNOI |
| ☐ | ☐ | ☐ | Owner / Operator Certification |
| ☐ | ☐ | ☐ | SWPPP Preparer Certification |
| ☐ | ☐ | ☐ | MS4 SWPPP Acceptance Form |
| ☐ | ☐ | ☐ | Contractor and Subcontractor Certifications |
| ☐ | ☐ | ☐ | SPDES General Permit |
| ☐ | ☐ | ☐ | 5 Acre Waiver |
| ☐ | ☐ | ☐ | NOT |

Comments:

## Site Conditions

| | | | |
|---|---|---|---|
| **Approximate Disturbed Area at Time of Inspection:** XX Acres | | | |
| **Allowable Disturbed Area Per NOI and/or 5-acre waiver:** XX Acres | | | |
| **Current Status of Construction:** Description | | | |
| **Weather Conditions:** Conditions | | **Temperature:** XX °F | **Soil Conditions:** Choose an item. |
| **Description of Discharge Point/Natural Surface Waterbody** | **Condition of Runoff** | **Sediment Discharge Noted Y / N** | **Corrective Action** |
| | | | |
| | | | |
| | | | |
| | | | |

## Erosion and Sediment Control Deficiencies and Corrective Actions

| SWPPP Component | Functional Y / N / NA | Deficiency (See Checklist and/or note) | Deficiency Location | Initial Date | Corrective Action | Corrected Y / N |
|---|---|---|---|---|---|---|
| General Site Conditions | | | | | | |
| Silt Fence | | | | | | |
| Stabilized Construction Access | | | | | | |
| Compost Filter Sock | | | | | | |
| Inlet Protection | | | | | | |
| Soil Stockpiles | | | | | | |
| Temporary Stabilization | | | | | | |
| Permanent Stabilization | | | | | | |
| Dewatering Operations | | | | | | |
| Stone Check Dams | | | | | | |
| Rock Outlet Protection | | | | | | |
| Sediment Traps and Basins | | | | | | |
| Temporary Stream Crossing | | | | | | |
| Pavement Sweeping | | | | | | |
| Concrete Washout | | | | | | |
| Filter Strips | | | | | | |
| Slope Protection Measures | | | | | | |
| Temporary Swales and Berms | | | | | | |
| Temporary Parking Areas | | | | | | |
| Fiber Roll | | | | | | |
| Permanent Turf Reinforcement | | | | | | |
| Water Bars | | | | | | |
| Flow Diffusers | | | | | | |
| Other: | | | | | | |

## Stormwater Management Practice Deficiencies and Corrective Actions

| Practice | Sign Y / N | Current Phase of Construction | Items Not in Conformance with SWPPP | Deficiency Location | Initial Date | Corrective Action | Corrected Y / N |
|---|---|---|---|---|---|---|---|
| Practice 1: | | | | | | | |
| Practice 2: | | | | | | | |
| Practice 3: | | | | | | | |
| Practice 4: | | | | | | | |
| Practice 5: | | | | | | | |
| Practice 6: | | | | | | | |

## SWPPP Inspection Checklist and Deficiency Numbers

| 1 | General Site Conditions |
|---|---|
| 1A | Adjoining properties are not protected from erosion and sediment deposition |
| 1B | Downstream waterways are not protected from erosion and sediment deposition |
| 1C | All E&SC measures have not been constructed as detailed in the SWPPP |
| 1D | Dust is not adequately controlled |
| 1E | Storage areas contain spills, leaks, or harmful materials |
| 1F | Garbage and waste building materials are not being managed properly |
| 1G | Temporary control measures that are no longer needed have not been removed |
| 1H | Permanent SWM practices not constructed per plans |

| 2 | Silt Fence |
|---|---|
| 2A | Silt fence not installed on contour |
| 2B | Silt fence not across conveyance channels |
| 2C | Silt fence not at least 10 feet from toe of slope |
| 2D | Silt fence not at appropriate spacing intervals based on slope |
| 2E | Silt fence ends are not wrapped for continuous support |
| 2F | Silt fence fabric is loose or contains rips or frayed areas |
| 2G | Silt fence posts are unstable |
| 2H | Silt fence is not buried 6 inches minimum |
| 2I | Silt fence contains bulges or material buildup |

| 3 | Stabilized Construction Access |
|---|---|
| 3A | Temporary construction access not installed or not per NYS standards |
| 3B | Other access areas have not been stabilized immediately as work takes place |
| 3C | Sediment has tracked onto public streets and is not being cleaned daily |
| 3D | Stone is not clean enough to effectively remove mud from vehicles |
| 3E | Adequate drainage not provided to prevent ponding |

| 4 | Compost Filter Sock |
|---|---|
| 4A | Filter sock not installed on contour |
| 4B | Filter sock terminal ends do not extended 8' upslope at 45˚ angle |
| 4C | Inappropriate diameter based on slope steepness and slope length |
| 4D | Filter sock not anchored at 10' intervals |
| 4E | More than 50% sediment has built up |

| 5 | Inlet Protection |
|---|---|
| 5A | Inlet protection not installed or installation is not per SWPPP or Blue Book specifications |
| 5B | Incorrect type(s) of inlet control installed or is inappropriate for location |
| 5C | Drainage area for inlet protection is greater than 1 acre |
| 5D | Sediment has not been removed when 50% of storage volume has been achieved |
| 5E | A 2" x 4" wood frame and wood posts has not been installed |
| 5F | Filter fabric is not buried a minimum of 1 foot below ground or secured to frame/posts |
| 5G | Posts are unstable, fabric is loose, and contains rips or frayed areas |
| 5H | Post spacing exceeds maximum 3' spacing |

| 6 | Soil Stockpiles |
|---|---|
| 6A | No sediment controls at downhill slope |

| 7 | Temporary Stabilization |
|---|---|
| 7A | Areas inactive for 14 days or more have not been stabilized (If <5 acres disturbed) |
| 7B | Areas inactive for 7 days or more have not been stabilized (If >5 acres disturbed or 303d) |
| 7C | Soil preparation has not been applied as specified in the SWPPP or the Blue Book |
| 7D | Rolled EC products specified for steep slopes or channels have not been installed |

| 8 | Permanent Stabilization |
|---|---|
| 8A | Lawn in disturbed areas has not been established to 80% germination |
| 8B | Soil preparation has not been applied as specified in the SWPPP or the Blue Book |
| 8C | Rolled EC products specified for steep slopes or channels have not been installed |

| 9 | Dewatering Operations |
|---|---|
| 9A | Upstream and downstream berms are not installed or functioning poorly |
| 9B | Clean water from upstream pool is not being pumped to the downstream pool |
| 9C | Sediment laden water from work area is not being discharged to a silt-trapping device |
| 9D | Groundwater from excavations managed improperly (No sumps/sediment control) |

| 10 | Stone Check Dam |
|---|---|
| 10A | Not installed per standards |
| 10B | Channel is unstable (flow is eroding soil underneath or around the structure) |
| 10C | Check dam in poor condition (rocks not in place or lack of geotextile fabric) |
| 10D | Sediment needs to be removed |

| 11 | Rock Outlet Protection |
|---|---|
| 11A | Rock outlet protection not installed per plan or Blue Book |
| 11B | Rock outlet protection not installed concurrently with pipe installation |

| 12 | Sediment Traps and Basins |
|---|---|
| 12A | Outlet structure constructed improperly |
| 12B | Geotextile fabric has not been placed beneath rock fill |
| 12C | Depth of sediment in basin has exceeded allowable threshold |
| 12D | Basin and outlet structure not constructed per the approved plan |
| 12E | Basin side slopes are not stabilized with seed/mulch |
| 12F | More than 50% capacity has built up |

| 13 | Temporary Stream Crossing |
|---|---|
| 13A | Construction crossings at concentrated flow areas have not been culverted |

| 14 | Pavement Sweeping |
|---|---|
| 14A | Pavement has not been swept daily and sediment has traveled into road |

# Photo Log

| | |
|---|---|
| ***Photo 1*** <br><br> *Date – Item in need of repair or maintenance:* | ***Photo 1A*** <br><br> *Date – Corrected Action:* |
| ***Photo 2*** <br><br> *Date – Item in need of repair or maintenance:* | ***Photo 2A*** <br><br> *Date – Corrected Action:* |
| ***Photo 3*** <br><br> *Date – Item in need of repair or maintenance:* | ***Photo 3A*** <br><br> *Date – Corrected Action:* |

## Photo Log (continued)

| | |
|---|---|
| ***Photo 4*** | ***Photo 4A*** |
| *Date – Item in need of repair or maintenance:* | *Date – Corrected Action:* |
| ***Photo 5*** | ***Photo 5A*** |
| *Date – Item in need of repair or maintenance:* | *Date – Corrected Action:* |
| ***Photo 6*** | ***Photo 6A*** |
| *Date – Item in need of repair or maintenance:* | *Date – Corrected Action:* |

# Green Roof Stormwater Management Practices Level 2 Inspection Checklist

| | | | | |
|---|---|---|---|---|
| **SMP ID #** | | **SMP Owner** | | ☐ Private ☐ Public |
| **SMP Location (Address; Latitude & Longitude)** | | | | |
| | **Latitude** | | **Longitude** | |

| **Party Responsible for Maintenance** | **System Type** | | **Type of Site** |
|---|---|---|---|
| ☐ Same as SMP Owner<br>☐ Other<br>_____ | ☐ Seasonal<br>☐ Continuous Use<br>☐ Other | ☐ Above Ground<br>☐ Below Ground | ☐ Commercial<br>☐ Industrial<br>☐ Residential<br>☐ State |

| | | | |
|---|---|---|---|
| **Inspection Date** | | **Inspection Time** | |
| **Inspector** | | | |
| **Date of Last Inspection** | | | |

## Level 2 Inspection: GREEN ROOF

| Recommended Repairs and Required Skills | Triggers for Level 3 Inspection |
|---|---|
| ***Observed Condition: Unhealthy or Dying Vegetation*** | |
| ☐ Condition 1: Large number of plants dying from wilt<br><br>If this is a one-time occurrence, review weather and landscaping records to see whether the die off seems reasonable. If so, deeply water immediately, and plant reinforcements in the spring.<br><br>☐ Condition 2: Vegetation is dying and yellowing<br><br>For yellowing vegetation, consider testing the media for pH, nutrient levels, and other factors that may affect growth. Problems identified would go to a Level 3 inspector (see note to right). | • More than 25% die off<br>• Plants are unhealthy for a prolonged period of time or need to be replanted repeatedly, indicating that a new planting plan may be necessary, or the planting medium is not functioning properly.<br>• pH or other media constituents are not conducive to plant growth, and the media needs to be amended (e.g., lime, fertilizer). This should be handled by a green roof vendor or green roof plant specialist.<br><br>☐ Level 3 inspection necessary |
| ***Observed Condition: Ponding Between Storm Events or Debris Accumulation*** | |
| ☐ Condition 1: Further inspection shows debris is clogging the outflow drainpipe<br><br>Remove debris by hand and revisit within 24 hours to see whether this action fixed the problem.<br><br>☐ Condition 2: Debris has backed up to include the underdrain<br><br>Attempt to remove by hand or flush out with a hose. | • Ponding continues even after debris has been removed. This may indicate a problem with either the media or the underdrain system.<br><br>☐ Level 3 inspection necessary |
| ***Observed Condition: Structural Damage to Overflows*** | |
| ☐ Condition: If the damage is minor, repair damage directly, per original design drawings | • Most instances of structural damage will need to be referred to the designer or a qualified green roof vendor.<br><br>☐ Level 3 inspection necessary |
| ***Observed Condition: Roof is Leaking or indication that the membrane has a leak*** | |
| ☐ Condition: Roof is leaking | • Any leaks in the membrane trigger a Level 3 inspection or an inspection by the original installer or designer.<br><br>☐ Level 3 inspection necessary |

Notes:

Inspector:_____ Date: _____

Complete the following if follow-up/corrective actions were identified during this inspection:

**Certified Completion of Follow-Up Actions:**

"I hereby certify that the follow-up/corrective actions identified in the inspection performed on _____ (DATE) have been completed and any required maintenance deficiencies have been adequately corrected."

Inspector/Operator: _____ Date: _____

# Infiltration Stormwater Management Practices Level 1 Inspection Checklist

| | | | | |
|---|---|---|---|---|
| **SMP ID #** | | **SMP Owner** | | ☐ Private ☐ Public |
| **SMP Location (Address; Latitude & Longitude)** | | | | |
| | **Latitude** | | **Longitude** | |

| **Party Responsible for Maintenance** | **System Type** | | **Type of Site** |
|---|---|---|---|
| ☐ Same as SMP Owner<br>☐ Other<br>_____ | ☐ Seasonal<br>☐ Continuous Use<br>☐ Other | ☐ Above Ground<br>☐ Below Ground | ☐ Commercial<br>☐ Industrial<br>☐ Residential<br>☐ State |

| | | | |
|---|---|---|---|
| **Inspection Date** | | **Inspection Time** | |
| **Inspector** | | | |
| **Date of Last Inspection** | | | |

## IN Drainage Area

Look for both pervious and impervious areas that are uphill from the Infiltration cell.

| **Problem (Check if Present)** | | **Follow-Up Actions** |
|---|---|---|
| | ☐ Bare soil, erosion of the ground (rills washing out the dirt) | ☐ Seed and straw areas of bare soil to establish vegetation.<br>☐ Fill in erosion areas with soil, compact, and seed and straw to get vegetation established.<br>☐ If a rill or small channel is forming, try to redirect water flowing to this area by creating a small berm or adding topsoil to areas that are heavily compacted.<br>☐ Other: |

## IN Drainage Area

Look for both pervious and impervious areas that are uphill from the Infiltration cell.

| Problem (Check if Present) | | Follow-Up Actions |
|---|---|---|
| | | ☐ Kick-Out to Level 2 Inspection: Large areas of soil have been eroded, or larger channels are forming. May require rerouting of flow paths. |
| ☐ For Dry Wells: Leaves, sticks, or other debris in gutters and downspouts | | ☐ Remove all debris by hand.<br>☐ Other: |
| | ☐ Piles of grass clippings, mulch, dirt, salt, or other materials | ☐ Remove or cover piles of grass clippings, mulch, dirt, etc.<br>☐ Other: |
| | ☐ Open containers of oil, grease, paint, or other substances | ☐ Cover or properly dispose of materials; consult your local solid waste authority for guidance on materials that may be toxic or hazardous.<br>☐ Other: |

## IN Inlets

Look for all the places where water flows into the Infiltration practice.

| Problem (Check if Present) | Follow-Up Actions |
|---|---|
| <br>☐ Inlets are collecting grit and debris or grass/weeds are growing. Some water may not be getting into the Infiltration practice. | ☐ Use a flat shovel to remove grit and debris (especially at curb inlets or openings). Parking lots generate fine grit that will accumulate at these spots.<br>☐ Pull out clumps of growing grass or weeds and scoop out the soil or grit that the plants are growing in.<br>☐ Remove any grass clippings, leaves, sticks, and other debris that is collecting at inlets.<br>☐ For pipes and ditches, remove sediment and debris that is partially blocking the pipe or ditch opening where it enters the Infiltration practice.<br>☐ Dispose of all material properly in an area where it will not re-enter the practice.<br>☐ Other:<br><br>☐ Kick-Out to Level 2 Inspection: Inlets are blocked to the extent that most of the water does not seem to be entering the Infiltration practice. |
| ☐ Some or all of the inlets are eroding so that rills, gullies, and other erosion is present, or there is bare dirt that is washing into the Infiltration practice. | ☐ For small areas of erosion, smooth out the eroded part and apply rock or stone (e.g., river cobble) to prevent further erosion. Usually, filter fabric is placed under the rock or stone.<br>☐ In some cases, reseeding and applying erosion-control matting can be used to prevent further erosion. Some of these materials may be available at a garden center, but it may be best to consult a landscape contractor.<br>☐ Other:<br><br>☐ Kick-Out to Level 2 Inspection: Erosion is occurring at most of the inlets and it looks like there is too much water that is concentrating at these points. The inlet design may have to be modified. |

## IN Infiltration Area

Examine the surface of the infiltration area and the observation well. Note: The following Problem and Follow-Up Actions apply to infiltration practice pretreatment areas also.

| Problem (Check if Present) | Follow-Up Actions |
|---|---|
| <br>☐ For grass-covered Infiltration practices: grass has grown very tall,<br>*Photo credit: Stormwater Maintenance, LLC* | ☐ Mow infiltration area at least twice per year.<br>☐ Other: |
| <br>☐ For grass-covered Infiltration practices: sparse vegetation cover or bare spots | ☐ Add topsoil (as needed), grass seed, straw, and water during the growing season to re-establish consistent grass coverage.<br>☐ Other:<br><br>☐ Kick-Out to Level 2 Inspection: Sparse vegetation cover can be a sign that the infiltration area is not infiltrating at the proper rate and water is standing too long after a storm. The surface may be saturated or squishy, and the conditions do not enable grass to grow. This situation should be evaluated by a Level 2 Inspection and likely corrected by a qualified contractor. |
| ☐ Minor areas of sediment, grit, trash, or other debris are accumulating on the surface. | ☐ Use a shovel to scoop out minor areas of sediment or grit, especially in the spring after winter sanding materials may wash in and accumulate. Dispose of the material where it cannot re-enter the Infiltration practice.<br>☐ If removing the material creates a hole or low area, rake the surface smooth and level.<br>☐ Remove trash, debris, and other undesirable materials.<br>☐ Other:<br><br>☐ Kick-Out to Level 2 Inspection: Sediment has accumulated more than 2-inches deep and covers 25% or more of the surface of the Infiltration area. |

## IN Infiltration Area

Examine the surface of the infiltration area and the observation well. Note: The following Problem and Follow-Up Actions apply to infiltration practice pretreatment areas also.

| Problem (Check if Present) | Follow-Up Actions |
|---|---|
| <br>☐ There is erosion on the surface; water seems to be carving out rills as it flows across the surface of the Infiltration area or sinkholes are forming in certain areas. | ☐ For minor areas of erosion, try filling the eroded areas with clean topsoil, sand, or stone (whatever the existing cover is).<br>☐ If the problem recurs, you may have to use larger stone (e.g., river cobble) to fill in problem areas.<br>☐ Other:<br><br>☐ Kick-Out to Level 2 Inspection: The problem persists or the erosion is more than 3-inches deep and seems to be an issue with how water enters and moves through the infiltration area.<br>☐ Kick-Out to Level 2 Inspection: The problem does not seem to be caused by flowing water but a collapse or sinking of the surface (e.g., “sinkhole”) due to some underground problem. |
| <br>☐ Observation well is damaged or cap is missing | ☐ Kick-Out to Level 2 Inspection: Requires replacing pipes or caps. |

## IN Infiltration Area

Examine the surface of the infiltration area and the observation well. Note: The following Problem and Follow-Up Actions apply to infiltration practice pretreatment areas also.

| Problem (Check if Present) | Follow-Up Actions |
|---|---|
| <br>☐ Water still visible in the observation well more than 72 hours after a rain storm. The Infiltration practice does not appear to be draining properly. | ☐ Kick-Out to Level 2 Inspection: This is generally a serious problem, and it will be necessary to activate a Level 2 Inspection. |

## IN Outlets

Locate and inspect all outlets.

| Problem (Check if Present) | Follow-Up Actions |
|---|---|
| <br>☐ Outlet obstructed with sediment, debris, trash, etc. | ☐ Remove the debris and dispose of it where it cannot re-enter the infiltration area.<br>☐ Other: |
| | ☐ Kick-Out to Level 2 Inspection: Outlet is completely obstructed; there is too much material to remove by hand or with simple hand tools. |
| ☐ Rills or gullies are forming at outlet. | ☐ For minor rills, fill in with soil, compact, and seed and straw to establish vegetation.<br>☐ Other: |
| | ☐ Kick-Out to Level 2 Inspection: Rills are more than 2" to 3" deep and require more than just hand raking and re-seeding. |

Additional Notes:

Inspector:_____ Date: _____

Complete the following if follow-up/corrective actions were identified during this inspection:

**Certified Completion of Follow-Up Actions:**

"I hereby certify that the follow-up/corrective actions identified in the inspection performed on _____ (DATE) have been completed and any required maintenance deficiencies have been adequately corrected."

Inspector/Operator: _____ Date: _____

# Infiltration Stormwater Management Practices Level 2 Inspection Checklist

| | | | | |
|---|---|---|---|---|
| **SMP ID #** | | **SMP Owner** | | ☐ Private ☐ Public |
| **SMP Location (Address; Latitude & Longitude)** | | | | |
| | **Latitude** | | **Longitude** | |

| **Party Responsible for Maintenance** | **System Type** | | **Type of Site** |
|---|---|---|---|
| ☐ Same as SMP Owner<br>☐ Other<br>_____ | ☐ Seasonal<br>☐ Continuous Use<br>☐ Other | ☐ Above Ground<br>☐ Below Ground | ☐ Commercial<br>☐ Industrial<br>☐ Residential<br>☐ State |

| | | | |
|---|---|---|---|
| **Inspection Date** | | **Inspection Time** | |
| **Inspector** | | | |
| **Date of Last Inspection** | | | |

Notes:

Inspector:_____ Date: _____

Complete the following if follow-up/corrective actions were identified during this inspection:

**Certified Completion of Follow-Up Actions:**

"I hereby certify that the follow-up/corrective actions identified in the inspection performed on _____ (DATE) have been completed and any required maintenance deficiencies have been adequately corrected."

Inspector/Operator: _____ Date: _____

# Permeable Pavement Stormwater Management Practices Level 1 Inspection Checklist

| | | | | |
|---|---|---|---|---|
| **SMP ID #** | | **SMP Owner** | | ☐ Private ☐ Public |
| **SMP Location (Address; Latitude & Longitude)** | | | | |
| | **Latitude** | | **Longitude** | |

| **Party Responsible for Maintenance** | **System Type** | | **Type of Site** |
|---|---|---|---|
| ☐ Same as SMP Owner<br>☐ Other<br>_____ | ☐ Seasonal<br>☐ Continuous Use<br>☐ Other | ☐ Above Ground<br>☐ Below Ground | ☐ Commercial<br>☐ Industrial<br>☐ Residential<br>☐ State |

| | | | |
|---|---|---|---|
| **Inspection Date** | | **Inspection Time** | |
| **Inspector** | | | |
| **Date of Last Inspection** | | | |

## PP Drainage Area

Look for areas that are uphill from the Permeable pavement.

| **Problem (Check if Present)** | | **Follow-Up Actions** |
|---|---|---|
| | ☐ Bare soil, erosion of the ground (rills washing out the dirt) | ☐ Seed and straw areas of bare soil to establish vegetation.<br>☐ Fill in erosion areas with soil, compact, and seed and straw to establish vegetation.<br>☐ If a rill or small channel is forming, try to redirect water flowing to this area by creating a small berm or adding topsoil to areas that are heavily compacted.<br>☐ Other: |

## PP Drainage Area

Look for areas that are uphill from the Permeable pavement.

| Problem (Check if Present) | | Follow-Up Actions |
|---|---|---|
| | | ☐ Kick-Out to Level 2 Inspection: Large areas of soil have been eroded, or larger channels are forming. May require rerouting of flow paths. |
| | ☐ Piles of grass clippings, mulch, dirt, salt, or other materials | ☐ Remove or cover piles of grass clippings, mulch, dirt, etc.<br>☐ Other: |
| | ☐ Open containers of oil, grease, paint, or other substances | ☐ Cover or properly dispose of materials; consult your local solid waste authority for guidance on materials that may be toxic or hazardous.<br>☐ Other: |

## PP Surface

Examine the entire permeable pavement surface.

| Problem (Check if Present) | Follow-Up Actions |
|---|---|
| ☐ Dirt and grit accumulating on pavement surface | ☐ For small areas (e.g., driveways, patios), try a leaf blower or sweep the area to remove the dirt/grit from the Permeable pavement and properly dispose of the material.<br>☐ If dirt/grit remain in the joint areas between paver blocks, agitate with a rough brush and vacuum the surface with a wet/dry vac.<br>☐ Remove and replace clogged blocks in segmented pavers.<br>☐ For larger areas (e.g., parking lots, courtyards), hire a vacuum sweeper to restore the surface to a cleaner condition.<br>☐ Other:<br>☐ Kick-Out to Level 2 Inspection: Grit is widespread and cannot be removed by manual sweeping. |
| ☐ Grass and weeds are growing on the permeable pavement surface (applies only to pavement types that are not intended to be covered in vegetation). | ☐ If paver type is not intended to be covered in vegetation, remove the grass/weeds either mechanically (pulling, by hand or with a flame weeder) or with a herbicide approved for use in or near water (consult your local Extension Office for suggestions).<br>☐ Follow the actions listed above for removing dirt/grit from the pavement surface.<br>☐ Other:<br>☐ Kick-Out to Level 2 Inspection: Grass/weeds cover more than 25% of surface area. |
| ☐ Slumping, sinking, cracking, or breaking of the pavement surface *(Source: CSN, 2013)* | ☐ For small areas (e.g., patios, small driveway), it may be possible to remove the damaged pavers, check and fill in the underlying gravel, and replace with new materials.<br>☐ Other:<br>☐ Kick-Out to Level 2 Inspection: Problem affects more than a small, isolated area. Will typically require a qualified contractor to fix it.<br>☐ Problem recurs or occurs in multiple small locations. |
| ☐ Water stands on Permeable pavement for days after a rainstorm; the Permeable pavement is clogged and doesn't let water through. *(Source: CSN, 2013)* | ☐ Kick-Out to Level 2 Inspection: This is generally a serious problem, and it will be necessary to activate a Level 2 Inspection. |

Additional Notes:

Inspector:_____ Date: _____

Complete the following if follow-up/corrective actions were identified during this inspection:

**Certified Completion of Follow-Up Actions:**

"I hereby certify that the follow-up/corrective actions identified in the inspection performed on _____ (DATE) have been completed and any required maintenance deficiencies have been adequately corrected."

Inspector/Operator: _____ Date: _____

# Tree Planting Stormwater Management Practices Level 1 Inspection Checklist

| | | | | |
|---|---|---|---|---|
| **SMP ID #** | | **SMP Owner** | | ☐ Private ☐ Public |
| **SMP Location (Address; Latitude & Longitude)** | | | | |
| | **Latitude** | | **Longitude** | |

| **Party Responsible for Maintenance** | **System Type** | | **Type of Site** |
|---|---|---|---|
| ☐ Same as SMP Owner<br>☐ Other<br>_____ | ☐ Seasonal<br>☐ Continuous Use<br>☐ Other | ☐ Above Ground<br>☐ Below Ground | ☐ Commercial<br>☐ Industrial<br>☐ Residential<br>☐ State |

| | | | |
|---|---|---|---|
| **Inspection Date** | | **Inspection Time** | |
| **Inspector** | | | |
| **Date of Last Inspection** | | | |

## TP Watering

Inspect the trees to determine whether they need watering.

| **Problem (Check if Present)** | **Follow-Up Actions** |
|---|---|
| ☐ Soil is not moist to the touch and/or it has not rained in a week, and leaves/needles are starting to appear wilted/dry. | ☐ Water trees deeply and slowly near the base. Soaker hoses and drip irrigation work best for deep watering of trees and shrubs.<br>☐ Other: |

## TP Mulch

Mulch should be applied in the late spring and during leaf fall. Check the depth of mulch regularly. Rake the old mulch to break up any matted layers and to refresh the appearance.

| Problem (Check if Present) | Follow-Up Actions |
|---|---|
| ☐ Mulch is too thin or thick (should be approximately 3" deep) or does not extend to tree canopy (or 5' radius if tree has a larger than 10' canopy reach). | ☐ Add or remove mulch around tree canopy to maximum 5' radius but not within 3" of the bark.<br>☐ If mulch is against the stems or tree trunks, pull it back several inches to expose the base of the trunk and root crown.<br>☐ Other: |

## TP Pruning

Examine the branches and tree shape.

| Problem (Check if Present) | Follow-Up Actions |
|---|---|
| ☐ Presence of suckers, dead or diseased branches, branches that interfere with pedestrian traffic | ☐ Selective cutting<br>☐ Prune to make the tree more aesthetically pleasing and remove disease.<br>☐ Other: |
| | ☐ Kick-Out to Level 2 Inspection: Use an arborist or landscaper for more extensive pruning jobs. |

Additional Notes:

Inspector:_____ Date: _____

Complete the following if follow-up/corrective actions were identified during this inspection:

**Certified Completion of Follow-Up Actions:**

> "I hereby certify that the follow-up/corrective actions identified in the inspection performed on _____ (DATE) have been completed and any required maintenance deficiencies have been adequately corrected."

Inspector/Operator: _____ Date: _____

# Tree Planting Stormwater Management Practices
# Level 2 Inspection Checklist

| | | | | |
|---|---|---|---|---|
| **SMP ID #** | | **SMP Owner** | | ☐ Private ☐ Public |
| **SMP Location (Address; Latitude & Longitude)** | | | | |
| | **Latitude** | | **Longitude** | |

| **Party Responsible for Maintenance** | **System Type** | | **Type of Site** |
|---|---|---|---|
| ☐ Same as SMP Owner<br>☐ Other<br>_____ | ☐ Seasonal<br>☐ Continuous Use<br>☐ Other | ☐ Above Ground<br>☐ Below Ground | ☐ Commercial<br>☐ Industrial<br>☐ Residential<br>☐ State |

| | | | |
|---|---|---|---|
| **Inspection Date** | | **Inspection Time** | |
| **Inspector** | | | |
| **Date of Last Inspection** | | | |

| **Level 2 Inspection: TREE PLANTING** | |
|---|---|
| **Recommended Repairs** | **Triggers for Level 3 Inspection** |
| ***Observed Condition: Appearance of fungus or pest damage*** | |
| ☐ Condition 1: Fungus, discoloration, browning leaves or holes in leaves<br><br>Check with arborist or other tree professional about the best way to proceed. This requires a Level 3 inspection.<br><br>☐ Condition 2: Burrowing insects, holes<br><br>Check with arborist or other tree professional about the best way to proceed. This requires a Level 3 inspection. | • Any concerns about how to address infestation or disease<br><br>☐ Level 3 inspection necessary |

Notes:

Inspector:_____ Date: _____

Complete the following if follow-up/corrective actions were identified during this inspection:

**Certified Completion of Follow-Up Actions:**

"I hereby certify that the follow-up/corrective actions identified in the inspection performed on _____ (DATE) have been completed and any required maintenance deficiencies have been adequately corrected."

Inspector/Operator: _____ Date: _____

# Permeable Pavement Stormwater Management Practices Level 2 Inspection Checklist

| | | | | |
|---|---|---|---|---|
| **SMP ID #** | | **SMP Owner** | | ☐ Private ☐ Public |
| **SMP Location (Address; Latitude & Longitude)** | | | | |
| | **Latitude** | | **Longitude** | |

| **Party Responsible for Maintenance** | **System Type** | | **Type of Site** |
|---|---|---|---|
| ☐ Same as SMP Owner<br>☐ Other<br>_____ | ☐ Seasonal<br>☐ Continuous Use<br>☐ Other | ☐ Above Ground<br>☐ Below Ground | ☐ Commercial<br>☐ Industrial<br>☐ Residential<br>☐ State |

| | | | |
|---|---|---|---|
| **Inspection Date** | | **Inspection Time** | |
| **Inspector** | | | |
| **Date of Last Inspection** | | | |

## Level 2 Inspection: PERMEABLE PAVEMENT

| Recommended Repairs and Required Skills | Triggers for Level 3 Inspection |
|---|---|
| ***Observed Condition: Bare Soil or Erosion in the Drainage Area*** | |
| ☐ Condition 1: Extensive problem spots, but no channels or rills forming<br><br>Reseed problem areas. If problem persists or grass does not take, consider hiring a landscape contractor.<br><br>☐ Condition 2: Problem is extensive, and rills/channels are beginning to form<br><br>May be necessary to divert or redirect water that is causing the erosion problem. If it appears that simple regrading—such as installing a berm or leveling a low spot–will fix the problem, make repairs and check to ensure that the problem is repaired after the next storm. | • Large rills or gullies are forming in the drainage area.<br>• An attempt to regrade the drainage area has been unsuccessful<br>• Fixing the problem would require major regrading (i.e., redirecting more than a 100-square-foot area.<br>• It is not clear why the problem is occurring.<br><br>☐ Level 3 inspection necessary |
| ***Observed Condition: Dirt or Grit Accumulating, or Grass Growing on Pavement Surface*** | |
| ☐ Condition 1: Grit beginning to form but is isolated to a small area or does not fill the joints between paver blocks<br><br>Try to agitate and sweep by hand, or hire a contractor with a vacuum sweeper. Also investigate the drainage area for potential sediment sources. If no obvious sources are found, discuss winter sanding and salting operations with the property owner to identify whether this could be the source.<br><br>☐ Condition 2: Grit is forming and cannot be removed with agitation and hand sweeping<br><br>Hire a vendor with a regenerative air vacuum sweeper, maximum power 2,500 rpm; avoid sweepers that use water. | • More than 2 inches of sand/dirt/grit are on some of the pavement surface.<br>• More than 25% of the pavement surface is covered with sand/dirt/grit to the extent that joints between paver blocks are filled.<br>• Regenerative air sweeper cannot remove grit.<br><br>☐ Level 3 inspection necessary |

| Level 2 Inspection: PERMEABLE PAVEMENT | |
|---|---|
| **Recommended Repairs and Required Skills** | **Triggers for Level 3 Inspection** |
| ***Observed Condition: Structural Damage*** | |
| ☐ Condition 1: Portions of porous asphalt or permeable pavers are damaged, and the cause is known to be at the surface.<br><br>If the damage is from a single event such as heavy equipment or heavy fallen objects, or the surface has been damaged by wear over time, hire a contractor experienced in permeable pavement installation to repair the damaged areas.<br><br>☐ Condition 2: Damage to other structures, such as drainage infrastructure<br><br>If possible, repair or replace damaged items, or hire a contractor with permeable pavement experience if the damaged infrastructure is within the pavement surface. | • More than 25% of the surface needs to be repaired or replaced.<br>• It appears that the underlying material has “caved in,” indicating an underlying water conveyance or soil stabilization issue.<br>• Problem is repaired but recurs within less than five years.<br><br>☐ Level 3 inspection necessary |
| ***Observed Condition: Ponding on the Pavement Surface*** | |
| ☐ Condition 1: Underdrains (if present) may be clogged<br><br>Check to see whether underdrains are clogged by inspecting cleanouts (if present) or catch basins and looking for debris. If underdrains appear clogged, it may be necessary to hire a router service to ream out the underdrains.<br><br>☐ Condition 2: At time of Level 2 inspection, water is not ponded, and there is no obvious clogging of the surface.<br><br>Conduct a flood test to determine whether the ponding is an ongoing problem. | • Water stands on the pavement surface more than 72 hours after a storm, and the problem cannot be resolved by unclogging underdrains.<br>• More than 25% of the pavement surface is covered with sand/dirt/grit to the extent that joints between paver blocks are filled.<br><br>☐ Level 3 inspection necessary |

Notes:

Inspector:_____ Date: _____

Complete the following if follow-up/corrective actions were identified during this inspection:

**Certified Completion of Follow-Up Actions:**

"I hereby certify that the follow-up/corrective actions identified in the inspection performed on _____ (DATE) have been completed and any required maintenance deficiencies have been adequately corrected."

Inspector/Operator: _____ Date: _____

# Appendix F

## NYSDEC SPDES General Permit GP-0-25-001

https://dec.ny.gov/sites/default/files/2025-01/permit_swdischargesfromconst.pdf

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL
CONSERVATION (NYSDEC)

SPDES GENERAL PERMIT
FOR STORMWATER DISCHARGES

From

**CONSTRUCTION ACTIVITY**

Permit No. GP-0-25-001

Construction General Permit (CGP)

Issued Pursuant to Article 17, Titles 7, 8 and Article 70

of the Environmental Conservation Law

Effective Date: January 29, 2025 Expiration Date: January 28, 2030

Scott E. Sheeley

Chief Permit Administrator

Scott E. Sheeley JAN. 29, 2025

Authorized Signature Date

Address: NYSDEC
Division of Environmental Permits
625 Broadway, 4th Floor
Albany, N.Y. 12233-1750

## PREFACE

Pursuant to Section 402 of the Clean Water Act (CWA), and 40 CFR 122.26(b)(14)(x), (15)(i), and (15)(ii), *stormwater discharges* from certain *construction activities* are unlawful unless they are authorized by a National Pollutant Discharge Elimination System (NPDES) permit or by a state permit program. New York State administers the approved State Pollutant Discharge Elimination System (SPDES) program with permits issued in accordance with the New York State Environmental Conservation Law (ECL) Article 17, Titles 7 and 8, and Article 70, as well as 6 NYCRR Parts 621 and 750.

C*onstruction activities* constitute construction of a *point source* and, therefore, pursuant to ECL sections 17-0505, 17-0701, and 17-0803, the *owner or operator* must have coverage under a SPDES permit prior to *commencement of construction activities*. The *owner or operator* cannot wait until there is an actual *discharge* from the *construction site* to obtain permit coverage.

***Note: The italicized words/phrases within this permit are defined in Appendix A.**

**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION**
**SPDES CONSTRUCTION GENERAL PERMIT (CGP) GP-0-25-001**
**FOR STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITIES**

# Table of Contents


**Part I. How to Obtain Coverage and General Requirements ..... 5**
A. Eligibility Requirements ..... 5
B. Types of *Discharges* Authorized ..... 9
C. Prohibited *Discharges* ..... 10
D. Electronic Notice of Intent (eNOI) Submittal ..... 10
E. General Requirements for *Owners or Operators* with Permit Coverage ..... 14
F. Permit Coverage for *Discharges* Authorized Under GP-0-20-001 ..... 18
G. Change of *Owner or Operator* ..... 19
**Part II. Water Quality-Based Effluent Limitations ..... 20**
A. Maintaining Water Quality ..... 20
B. Effluent Limitations Applicable to *Discharges* from *Construction Activities* ..... 20
C. Post-Construction Stormwater Management Practice (SMP) Requirements ..... 23
**Part III. Stormwater Pollution Prevention Plan (SWPPP) ..... 28**
A. General *SWPPP* Requirements ..... 28
B. Required *SWPPP* Contents ..... 32
C. Required *SWPPP* Components by Project Type ..... 37
**Part IV. Inspection and Maintenance Requirements ..... 37**
A. General Construction Site Inspection and Maintenance Requirements ..... 37
B. Contractor Maintenance Inspection Requirements ..... 37
C. *Qualified Inspector* Inspection Requirements ..... 38
**Part V. How to Terminate CGP Coverage ..... 43**
A. Electronic Notice of Termination (eNOT) Submittal ..... 43
**Part VI. Record Retention and Reporting ..... 45**
A. Record Retention ..... 46
B. Reporting ..... 46
**Part VII. Standard Permit Requirements ..... 46**
A. Duty to Comply ..... 46
B. Need to Halt or Reduce Activity Not a Defense ..... 46
C. Penalties ..... 46
D. False Statements ..... 47
E. Re-Opener Clause ..... 47
F. Duty to Mitigate ..... 47
G. Requiring Another General Permit or Individual SPDES Permit ..... 47
H. Duty to Provide Information ..... 49
I. Extension ..... 49
J. Signatories and Certification ..... 50
K. Inspection and Entry ..... 52
L. Confidentiality of Information ..... 53
M. Other Permits May Be Required ..... 53

N. NYSDEC Orders or Civil Decrees/Judgments ..... 53
O. Property Rights ..... 53
P. Compliance with Interstate Standards ..... 53
Q. Oil and Hazardous Substance Liability ..... 54
R. Severability ..... 54
S. NYSDEC Approved Forms ..... 54
**APPENDIX A – Abbreviations and Definitions ..... 55**
Abbreviations ..... 55
Definitions ..... 56
**APPENDIX B – Required SWPPP Components by Project Type ..... 64**
Table 1 ..... 64
Table 2 ..... 66
**APPENDIX C – Watersheds Requiring Enhanced Phosphorus Removal ..... 68**
**APPENDIX D – Impaired Waterbodies (by Construction Related Pollutants) ..... 74**
**APPENDIX E – List of NYSDEC Regional Offices ..... 80**
**APPENDIX F – SWPPP Preparer Certification Form ..... 81**
**APPENDIX G – MS4 SWPPP Acceptance Form ..... 83**
**APPENDIX H – NYCDEP SWPPP Acceptance/Approval Form ..... 86**
**APPENDIX I – MS4 No Jurisdiction Form ..... 89**
**APPENDIX J – Owner/Operator Certification Form ..... 91**

## Part I. How to Obtain Coverage and General Requirements

To be covered under this permit, the *owner or operator* must meet all eligibility requirements in Part I.A. and follow the requirements for obtaining permit coverage in Part I.D., F., or G.

### A. Eligibility Requirements

For a *common plan of development or sale*, the *phase(s)* that meet the eligibility requirements in Part I.A. may obtain coverage under this permit even if other *phase(s)* of the same *common plan of development or sale* do not meet the eligibility requirements and require an individual SPDES permit.

1. The *owner's or operator's construction activities* involve soil disturbances of:

    a. one or more acres; or

    b. less than one acre which are part of a *common plan of development or sale* that will ultimately disturb one or more acres; or

    c. less than one acre where NYSDEC has determined that a SPDES permit is required for *stormwater discharges* based on the potential for contribution to a violation of a *water quality standard* or for significant contribution of pollutants to *surface waters of the State*.

        i. 5,000 square feet or more, but less than one acre, and are in the New York City Watershed located east of the Hudson River, Appendix C Figure 1; or

        ii. 20,000 square feet or more, but less than one acre, within the municipal boundaries of the City of New York (NYC); or

        iii. less than 20,000 square feet which are part of a *common plan of development or sale* that will ultimately disturb 20,000 square feet or more, but less than one acre, within the municipal boundaries of NYC; or

        iv. that creates 5,000 square feet or more of *impervious area* within the municipal boundaries of NYC.

2. *Discharges* from the *owner's or operator's construction activities* are/were not:

    a. already covered by a different SPDES permit; or

    b. covered under a different SPDES permit that was denied, terminated, or revoked; or

    c. identified in an expired individual SPDES permit that was not renewed; or

    d. required to obtain an individual SPDES permit or another general SPDES permit in accordance with Part VII.K.

3. If *construction activities* may adversely affect a species that is endangered or threatened, the *owner or operator* must obtain a:

    a. permit issued pursuant to 6 NYCRR Part 182 for the project; or

    b. letter issued by NYSDEC of non-jurisdiction pursuant to 6 NYCRR Part 182 for the project.

4. If *construction activities* have the potential to affect an *historic property*, the *owner or operator* must obtain one of the following:

    a. documentation that the *construction activity* is not within an archeological buffer area indicated on the sensitivity map, and that the *construction activity* is not located on or immediately adjacent to a property listed or determined to be eligible for listing on the National or State Registers of Historic Places, and that there is no new permanent building on the *construction site* within the following distances from a building, structure, or object that is more than 50 years old, or if there is such a new permanent building on the *construction site* within those parameters that NYS Office of Parks, Recreation and Historic Preservation (OPRHP), a Historic Preservation Commission of a Certified Local Government, or a qualified preservation professional has determined that the building, structure, or object more than 50 years old is not historically/archeologically significant:

        i. 1-5 acres of disturbance - 20 feet; or

        ii. 5-20 acres of disturbance - 50 feet; or

iii. 20+ acres of disturbance - 100 feet.

b. NYSDEC consultation form sent to OPRHP,[1] and copied to NYSDEC's Agency Historic Preservation Officer (APO), and

i. the State Environmental Quality Review Act (SEQR) Environmental Assessment Form (EAF) with a negative declaration or the Findings Statement, with documentation of OPRHP's agreement with the resolution; or

ii. documentation from OPRHP that the *construction activity* will result in No Impact; or

iii. documentation from OPRHP providing a determination of No Adverse Impact; or

iv. a Letter of Resolution signed by the *owner or operator*, OPRHP and the DEC APO which allows for this *construction activity* to be eligible for coverage under the general permit in terms of the State Historic Preservation Act (SHPA).

c. documentation of satisfactory compliance with Section 106 of the National Historic Preservation Act for a coterminous project area:

i. No Affect; or

ii. No Adverse Affect; or

iii. Executed Memorandum of Agreement.

d. documentation that SHPA Section 14.09 has been completed by NYSDEC or another state agency.

5. If *construction activities* are subject to SEQR, the *owner or operator* must obtain documentation that SEQR has been satisfied.

6. If *construction activities* are not subject to SEQR, but subject to the equivalent environmental review from another New York State or federal agency, the

[1] The consultation form can be submitted, along with other project information, through OPRHP's Cultural Resource Information System (CRIS) portal. If submitted through CRIS, paper copies of the consultation form need not be mailed.

*owner or operator* must obtain documentation that project review, pursuant to a process equivalent to SEQR from another New York State or federal agency, has been satisfied.

7. If *construction activities* require Uniform Procedures Act (UPA) Permits (see 6 NYCRR Part 621) from NYSDEC, or the equivalent from another New York State or federal agency, the *owner or operator* must:

    a. obtain all such necessary permits; or

    b. receive notification from NYSDEC pursuant to 6 NYCRR 621.3(a)(4) excepting Part I.A.7.a.

8. *Construction activities* are not eligible if they meet the following criteria in Part I.A.8.a. or b.:

    a. For linear transportation and linear utility project types, the *construction activities*:

        i. are within the watershed of *surface waters of the State* classified as AA or AA-S identified utilizing the Stormwater Interactive Map on NYSDEC's website; and

        ii. are undertaken on land with no existing *impervious cover*; and

        iii. disturb two or more acres of *steep slope*.

    b. For all other project types, the *construction activities*:

        i. are within the watershed of *surface waters of the State* classified as AA or AA-S identified utilizing the Stormwater Interactive Map on NYSDEC's website; and

        ii. are undertaken on land with no existing *impervious cover*; and

        iii. disturb one or more acres of *steep slope*.

## B. Types of *Discharges* Authorized

1. The following *stormwater discharges* are authorized under this permit:

   a. *Stormwater discharges*, including *stormwater* runoff, snowmelt runoff, and surface runoff and drainage, associated with *construction activity*, are authorized under this permit provided that appropriate *stormwater* controls are designed, installed, and maintained in accordance with Part II. and Part III.

   b. *Stormwater discharges* from construction support activities at the *construction site* (including concrete or asphalt batch plants, equipment staging yards, material storage areas, excavated material disposal areas, and borrow areas) if the following requirements are met:

      i. The support activity is directly related to the *construction site* required to have permit coverage for *stormwater discharges*; and

      ii. The support activity is not a commercial operation, nor does it serve multiple unrelated *construction sites*; and

      iii. The support activity does not continue to operate beyond the completion of the *construction activity* at the site it supports; and

      iv. *Stormwater* controls are implemented in accordance with Part II. and Part III. for *discharges* from the support activity areas.

2. The following non-*stormwater discharges* associated with *construction activity* are authorized under this permit:

   a. Non-*stormwater discharges* listed in 6 NYCRR 750-1.2(a)(29)(vi), with the following exception: "*Discharges* from firefighting activities are authorized only when the firefighting activities are emergencies/unplanned"; and

   b. Non-*stormwater discharges* of waters to which other components have not been added that are used in accordance with the *SWPPP* to control dust or irrigate vegetation in stabilized areas; and

   c. Uncontaminated *discharges* from *dewatering* operations

3. Authorized *discharges* of *stormwater* or authorized *discharges* of non-*stormwater*, commingled with a *discharge* authorized by a different SPDES permit and/or a *discharge* that does not require SPDES permit authorization, are also authorized under this permit.

## C. Prohibited *Discharges*

1. Non-*stormwater discharges* prohibited under this permit include but are not limited to:

    a. Wastewater from washout of concrete; and

    b. Wastewater from washout and cleanout of stucco, paint, form release oils, curing compounds, and other construction materials; and

    c. Fuels, oils, or other *pollutants* used in vehicle and equipment operation and maintenance; and

    d. Soaps, solvents, or detergents used in vehicle and equipment washing or external building washdown; and

    e. Toxic or hazardous substances from a spill or other release.

## D. Electronic Notice of Intent (eNOI) Submittal

To receive authorization in accordance with Part I.D.3.b., the *owner or operator* must submit a complete eNOI in accordance with the requirements in Part I.D. The eNOI contains questions to: ensure eligibility requirements in Part I.A. have been met; obtain *owner or operator* contact information; obtain the total area to be disturbed and the existing/future *impervious areas* (rounded to the nearest tenth of an acre); confirm *Traditional Land Use Control MS4 Operator* jurisdiction over construction projects; satisfy the EPA eRule requirements; confirm that the Water Quality-Based Effluent Limitations in Part II. have been met; demonstrate consideration of the future risks due to climate change in accordance with Part III.A.2.; and confirm that the other *Stormwater Pollution Prevention Plan (SWPPP)* requirements in Part III. have been met.

1. An eNOI may be submitted for:

    a. *construction activities* that are not part of a *common plan of development or sale*; or

b. an entire *common plan of development or sale*; or

c. separate *phase(s)* of a *common plan of development or sale* if the following requirements are met:

    i. the *common plan of development or sale* meets the eligibility requirements of Part I.A.5. or 6.; and

    ii. the *phase(s)* meet(s) all other eligibility requirements of Part I.A.; and

    iii. Part III.C. Required *SWPPP* Components by Project Type is based on the *common plan of development or sale*, not the *phase(s)*; or

d. *tree clearing* that is associated with, or will support, a *renewable energy* generation, transmission, or storage project that meets Part I.A.5. and 6., if the *tree clearing*:

    i. meets all other eligibility requirements of Part I.A.; and

    ii. will occur in NYSDEC's Regions 3-9; and

    iii. is not within ¼ mile of a bat hibernaculum protected pursuant to 6 NYCRR Part 182; and

    iv. will occur between November 1st and March 31st.

2. As prerequisites for submitting an eNOI, the *owner or operator* must:

    a. prepare a *SWPPP* for Part I.D.1.a., b., c., or d. in accordance with Part III.; and

    b. based on the following criteria, upload the following signature forms signed in accordance with Part VII.J. to the eNOI prior to submission:

        i. for all eNOIs:

            1. the SWPPP Preparer Certification Form, Appendix F, signed by the *SWPPP* preparer; and

2. the Owner/Operator Certification Form, Appendix J, signed by the *owner or operator*; and

ii. if an eNOI includes *construction activities* within the municipal boundary(ies) of *Traditional Land Use Control MS4 Operator(s)* that will *discharge* to the *MS4(s)*:

1. determine if the *Traditional Land Use Control MS4 Operator(s)* have review authority. A *Traditional Land Use Control MS4 Operator* does not have review authority where:

a. the *owner or operator* of the *construction activities* in Part I.D.2.b.ii. is the same entity as the *Traditional Land Use Control MS4 Operator* identified in Part I.D.2.b.ii.; or

b. there is a statute exempting the *owner or operator* from zoning review by the *Traditional Land Use Control MS4 Operator*; or

c. there is no such statute per Part I.D.2.b.ii.1.b., the *Traditional Land Use Control MS4 Operator* concludes, after public hearing, that it does not have zoning review authority in accordance with Legal Memorandum LU14 Updated January 2020 “Governmental Immunity from Zoning and Other Legislation”; and

2. if the *Traditional Land Use Control MS4 Operator(s)* have review authority, submit the *SWPPP* to the *Traditional Land Use Control MS4 Operator(s)* for review and have:

a. if outside the municipal boundaries of NYC: the MS4 SWPPP Acceptance Form, Appendix G, signed by the principal executive officer or ranking elected official from the *Traditional Land Use Control MS4 Operator,* or by a duly authorized representative of that person in accordance with Part VII.J.2.; or

b. if within the municipal boundaries of NYC: The City of New York Department of Environmental Protection (NYCDEP) SWPPP Acceptance/Approval Form, Appendix H, signed by the principal executive officer or ranking elected official from the Traditional Land Use Control MS4 Operator, or by a duly authorized representative of that person in accordance with Part VII.J.2.; and

3. if the *Traditional Land Use Control MS4 Operator* does not have review authority, have the MS4 No Jurisdiction Form, Appendix I, signed by the principal executive officer or ranking elected official from the *Traditional Land Use Control MS4 Operator,* or by a duly authorized representative of that person in accordance with Part VII.J.2.

3. Submitting an eNOI:

a. The *owner or operator* must submit a complete Notice of Intent electronically using a NYSDEC approved form.[2]

b. The *owner or operator* is authorized to *commence construction activity* as of the authorization date indicated in the Letter of Authorization (LOA), which is sent by NYSDEC after a complete eNOI is submitted.

i. If an eNOI is received for a *SWPPP* that deviates from one of the technical standards but demonstrates *equivalence* in accordance with Part III.B.1.a.ii. or Part III.B.2.b.ii., if the *SWPPP* includes *construction activities* that are not within the municipal boundary(ies) of *Traditional Land Use Control MS4 Operator(s)*, and/or if the *SWPPP* includes *construction activities* within the municipal boundary(ies) of *Traditional Land Use Control MS4 Operator(s)* that do not have review authority in accordance with Part I.D.2.b.ii.1., the authorization date indicated in the LOA will be 60 business days after the eNOI submission date.

[2] Unless NYSDEC grants a waiver in accordance with 40 CFR 127.15(c) or (d). All waiver requests must be submitted to Stormwater_info@dec.ny.gov or NYSDEC, Bureau of Water Permits, 625 Broadway, 4th Floor, Albany, New York 12233-3505.

c. If *Traditional Land Use Control MS4 Operator(s)* have review authority in accordance with Part I.D.2.b.ii.2., the *owner or operator* must, within five business days of receipt of the LOA, send an electronic copy of the LOA to the *Traditional Land Use Control MS4 Operator(s)* with review authority.

## E. General Requirements for *Owners or Operators* with Permit Coverage

1. As of the date the LOA is received, the *owner or operator* must make the eNOI, *SWPPP*, and LOA available for review and copying in accordance with the requirements in Part VII.H. When applicable, as of the date an updated LOA is received, the *owner or operator* must make the updated LOA available for review and copying in accordance with the requirements in Part VII.H.

2. The *owner or operator* must ensure compliance with all requirements of this permit and that the provisions of the *SWPPP*, including any changes made to the *SWPPP* in accordance with Part III.A.5., are properly implemented and maintained from the *commencement of construction activity* until:

   a. all areas of disturbance have achieved *final stabilization;* and

   b. the owner's or operator's coverage under this permit is terminated in accordance with Part V.A.5.a.

3. As of the date of the *commencement of construction activities* until Part I.E.2.a. and b. have been met, the *owner or operator* must maintain at the *construction site*, a copy of:

   a. all documentation necessary to demonstrate eligibility with this permit; and

   b. this permit; and

   c. the *SWPPP*; and

   d. the signed SWPPP Preparer Certification Form; and

   e. the signed MS4 SWPPP Acceptance Form or signed NYCDEP SWPPP Acceptance/Approval Form or signed MS4 No Jurisdiction Form (when applicable); and

   f. the signed Owner/Operator Certification Form; and

g. the eNOI; and

h. the LOA; and

i. the LOA transmittal to the Traditional Land Use Control MS4 Operator in accordance with Part I.D.3.c. (when applicable).

4. The *owner or operator* must maintain at the *construction site*, until Part I.E.2.a. and b. have been met, as of the date the documents become final or are received, a copy of the:

   a. responsible contractor's or subcontractor's certification statement(s) in accordance with Part III.A.7.; and

   b. inspection reports in accordance with Part IV.C.4. and 6.; and

   c. Request to Disturb Greater Than Five Acres and the Authorization Letter to Disturb Greater Than Five Acres in accordance with Part I.E.6. (when applicable); and

   d. Request to Continue Coverage and the Letter of Continued Coverage (LOCC) in accordance with Part I.F.2. and 4. (when applicable); and

   e. The updated LOA(s) in accordance with Part I.E.9. (when applicable).

5. The *owner or operator* must maintain the documents in Part I.E.3. and 4. in a secure location, such as a job trailer, on-site construction office, or mailbox with lock. The secure location must be accessible during normal business hours to an individual performing a compliance inspection. The documents must be paper documents unless electronic documents are accessible to the inspector during an inspection to the same extent as a paper copy stored at the site would be. If electronic documents are kept on site, the *owner or operator* must maintain functional equipment on site available to an inspector during normal hours of operation such that an inspector may view the electronic documents in a format that can be read in a similar manner as a paper record and in a legally dependable format with no less evidentiary value than their paper equivalent.

6. The *owner or operator* must meet the following requirements prior to disturbing greater than five acres of soil at any one time:

   a. The *owner or operator* must submit a written Request to Disturb Greater Than Five Acres to:

i. NYSDEC's Regional Office Division of Water staff based on the project location, Appendix E, if a *Traditional Land Use Control MS4 Operator* does not have review authority in accordance with Part I.D.2.b.ii.1.; or

ii. the *Traditional Land Use Control MS4 Operator*, if a *Traditional Land Use Control MS4 Operator* has review authority in accordance with Part I.D.2.b.ii.1.; or

iii. NYSDEC's Regional Office Division of Water staff based on the project location, Appendix E, and each involved *Traditional Land Use Control MS4 Operator*, if the project spans multiple municipalities with more than one *Traditional Land Use Control MS4 Operator* involved with review authority in accordance with Part I.D.2.b.ii.1.

b. The written Request to Disturb Greater Than Five Acres must include:

i. The SPDES permit identification number (Permit ID); and

ii. Full technical justification demonstrating why alternative methods of construction that would result in five acres of soil disturbance or less at any one time are not feasible; and

iii. The phasing plan for the project and sequencing plans for all *phases* from the *SWPPP* in accordance with Part III.B.1.d.; and

iv. Plans with locations and details of erosion and sediment control practices such that the heightened concern for erosion when disturbing greater than five acres at one time has been addressed; and

v. Acknowledgment that "the *owner or operator* will comply with the requirements in Part IV.C.2.b."; and

vi. Acknowledgment that "the *owner or operator* will comply with the requirements in Part II.B.1.b."

c. The *owner or operator* must be in receipt of an Authorization Letter to Disturb Greater Than Five Acres, which will include when the

authorization begins and ends and indicate a maximum area (acres) of soil disturbance allowed at any one time, from:

i. NYSDEC, if Part I.E.6.a.i. or iii. apply; or

ii. the *Traditional Land Use Control MS4 Operator*, if Part I.E.6.a.ii. applies.

7. Upon a finding of significant non-compliance with the practices described in the *SWPPP* or violation of this permit, NYSDEC may order an immediate stop to all *construction activity* at the site until the non-compliance is remedied. The stop work order must be in writing, describe the non-compliance in detail, and be sent to the *owner or operator*.

8. If any human remains or archaeological remains are encountered during excavation, the *owner or operator* must immediately cease, or cause to cease, all *construction activity* in the area of the remains and notify the appropriate Regional Water Engineer (RWE).[3] *Construction activity* shall not resume until written permission to do so has been received from the RWE.

9. To be authorized to implement modifications to the information previously submitted in the eNOI, the *owner or operator* must:

   a. notify NYSDEC via email at Stormwater_info@dec.ny.gov requesting access to update the eNOI; and

   b. update the eNOI to reflect the modifications and resubmit the eNOI in accordance with Part I.D.; and

   c. receive an updated LOA.

10. The eNOI, *SWPPP*, LOA, updated LOAs (when applicable), and inspection reports required by this permit are public documents that the *owner or operator* must make available for review and copying by any person within five business days of the *owner or operator* receiving a written request by any such person to review these documents. Copying of documents will be done at the requester's expense.

[3] The Regional Water Manager where a DEC Region does not have a RWE.

## F. Permit Coverage for *Discharges* Authorized Under GP-0-20-001

When applicable:

1. Upon the effective date of this permit, an *owner or operator* of *a construction activity*, with coverage under GP-0-20-001, will have interim coverage under GP-0-25-001 for 45 calendar days starting on the effective date of GP-0-25-001 so long as the *owner or operator* maintains compliance with all applicable requirements of this permit.

2. Within 30 calendar days of the effective date of this permit, the *owner or operator*, with coverage under GP-0-20-001, must submit a complete Request to Continue Coverage electronically using a NYSDEC approved form,[4] which contains the information identified in Part I.F.3. below, if:

   a. the *owner or operator* continues to implement the SMP component in conformance with the technical standards in place at the time of initial project authorization; and

   b. the *owner or operator* will comply with all non-design requirements of GP-0-25-001.

3. The Request to Continue Coverage form contains questions to: ensure eligibility requirements in Part I.A. have been met; verify *owner or operator* contact information; verify the permit identification number; verify the original eNOI submission ID, if applicable; verify Part I.F.2.a. and b.; verify the version of the Design Manual that the technical/design components conform to; and receive an updated Owner/Operator Certification Form, Appendix I.

4. The *owner or operator* has obtained continued coverage under GP-0-25-001 as of the date indicated in the LOCC, which is sent by NYSDEC after a complete Request to Continue Coverage form is submitted.

5. If the owner or operator does not submit the Request to Continue Coverage form in accordance with Part I.F.2. and 3., coverage under this permit is automatically terminated after interim coverage expires.

[4] Unless NYSDEC grants a waiver in accordance with 40 CFR 127.15(c) or (d). All waiver requests must be submitted to Stormwater_info@dec.ny.gov or NYSDEC, Bureau of Water Permits, 625 Broadway, 4th Floor, Albany, New York 12233-3505.

## G. Change of *Owner or Operator*

When applicable:

1. When property ownership changes, or when there is a change in operational control over the construction plans and specifications, the following process applies:

    a. The new *owner or operator* must meet the applicable prerequisites for submitting an eNOI in accordance with Part I.D.2.; and

    b. The new *owner or operator* must submit an eNOI in accordance with Part I.D.3.; and

    c. Permit coverage for the new *owner or operator* will be effective upon receipt of the LOA in accordance with Part I.D.3.b.; and

    d. The new *owner or operator*, upon receipt of their LOA, must provide their Permit ID to the original *owner or operator*; and

    e. If the original *owner or operator* will no longer be the *owner or operator* of the *construction activity* identified in the original *owner's or operator's* eNOI, the original *owner or operator*, upon receipt of the new *owner's or operator's* Permit ID in accordance with Part I.G.1.d., must submit to NYSDEC a completed eNOT in accordance with Part V. that includes the name and Permit ID of the new *owner or operator*; or

    f. If the original *owner or operator* maintains ownership of a portion of the *construction activity*, the original *owner or operator* must maintain their coverage under the permit by modifying their eNOI; modifications to the eNOI must include:

        i. the revised area of disturbance and/or *impervious area(s)*; and

        ii. the revised SMP information, if applicable; and

        iii. a narrative description of what has changed; and

        iv. the new *owner's or operator's* Permit ID for the portion of the project removed from the eNOI.

    *Owners or operators* must follow Part I.E.9. to modify the eNOI.

## Part II. Water Quality-Based Effluent Limitations

### A. Maintaining Water Quality

NYSDEC expects that compliance with the requirements of this permit will control *discharge*s necessary to meet applicable *water quality standards*. It shall be a violation of the *ECL* for any *discharge* to either cause or contribute to a violation of the following *water quality standards* as contained in Parts 700 through 705 of Title 6 of the Official Compilation of Codes, Rules and Regulations of the State of New York:

1. There must be no increase in turbidity that will cause a substantial visible contrast to natural conditions; and

2. There must be no increase in suspended, colloidal or settleable solids that will cause deposition or impair the waters for their best usages; and

3. There must be no residue from oil and floating substances, nor visible oil film, nor globules of grease.

If there is evidence indicating that the *stormwater discharge*s authorized by this permit are causing, have the reasonable potential to cause, or are contributing to a violation of the *water quality standard,* the *owner or operator* must take appropriate corrective action in accordance with Part IV.C.5. of this permit and document in accordance with Part IV.C.4. of this permit. To address the *water quality standard* violation the *owner or operator* must include and implement appropriate controls in the *SWPPP* to correct the problem or obtain an individual SPDES permit.

If, despite compliance with the requirements of this permit, it is demonstrated that the *stormwater discharge*s authorized by this permit are causing or contributing to a violation of *water quality standards*, or if NYSDEC determines that a modification of this permit is necessary to prevent a violation of *water quality standards*, the authorized *discharge*s will no longer be eligible for coverage under this permit, and the *owner or operator* must obtain an individual SPDES permit prior to further *discharges* from the *construction site*.

### B. Effluent Limitations Applicable to *Discharges* from *Construction Activities*

*Discharge*s authorized by this permit must achieve, at a minimum, the effluent limitations in Part II.B.1.a., b., c., d., and e. These limitations represent the

degree of effluent reduction attainable by the application of best practicable technology currently available.

1. Erosion and Sediment Control Requirements - The *owner or operator* must select, design, install, implement, and maintain control measures to *minimize* the *discharge* of *pollutants* and prevent a violation of the *water quality standards*. The selection, design, installation, implementation, and maintenance of these control measures must meet the non-numeric effluent limitations in Part II.B.1.a., b., c., d., and e. and be in accordance with the New York State Standards and Specifications for Erosion and Sediment Control (BB), dated November 2016, using sound engineering judgment. Where control measures are not designed in conformance with the design criteria included in the technical standard, the *owner or operator* must include in *SWPPP* the reason(s) for the deviation, or alternative design, and provide information in the *SWPPP* demonstrating that the deviation or alternative design is *equivalent* to the technical standard.

    a. **Erosion and Sediment Controls.** At a minimum, erosion and sediment controls must be selected, designed, installed, implemented, and maintained to:

        i. *Minimize* soil erosion through application of runoff control and soil stabilization control measure to *minimize pollutant discharge*s; and

        ii. Control *stormwater discharge*s, including both peak flow rates and total *stormwater* volume, to *minimize* channel and *streambank* erosion and scour in the immediate vicinity of the *discharge* points; and

        iii. *Minimize* the amount of soil exposed during *construction activity*; and

        iv. *Minimize* the disturbance of *steep slope*; and

        v. *Minimize* sediment *discharge*s from the site; and

        vi. Provide and maintain *natural buffers* around surface waters, direct *stormwater* to vegetated areas and maximize *stormwater* infiltration to reduce *pollutant discharge*s, unless *infeasible*; and

        vii. *Minimize* soil compaction. *Minimizing* soil compaction is not required

where the intended function of a specific area of the site dictates that it be compacted; and

viii. Unless *infeasible*, preserve a sufficient amount of topsoil to complete soil restoration and establish a uniform, dense vegetative cover; and

ix. *Minimize* dust. On areas of exposed soil, *minimize* dust through the appropriate application of water or other dust suppression techniques to control the generation of *pollutants* that could be discharged from the site.

b. **Soil Stabilization**. In areas where soil disturbance activity has ceased, whether permanently or *temporarily ceased*, the application of soil stabilization measures must be initiated by the end of the next business day and completed within 14 calendar days from the date the current soil disturbance activity ceased. For *construction sites* that *directly discharge* to one of the 303(d) segments listed in Appendix D, or are located in one of the watersheds listed in Appendix C, or are authorized to disturb greater than five acres in accordance with Part I.E.5.a.viii., the application of soil stabilization measures must be initiated by the end of the next business day and completed within seven calendar days from the date the soil disturbance activity ceased.

c. **Dewatering**. *Discharge*s from *dewatering* activities, including *discharge*s from *dewatering* of trenches and excavations, must be managed by appropriate control measures.

d. **Pollution Prevention Measures**. Select, design, install, implement, and maintain effective pollution prevention measures to *minimize* the *discharge* of *pollutants* and prevent a violation of the *water quality standards*. At a minimum, such measures must be selected, designed, installed, implemented, and maintained to:

i. *Minimize* the *discharge* of *pollutants* from equipment and vehicle washing, wheel wash water, and other wash waters. Soaps, detergents and solvents cannot be used; and

ii. *Minimize* the exposure of building materials, building products, construction wastes, trash, landscape materials, fertilizers, pesticides, herbicides, detergents, sanitary waste, hazardous and toxic waste, and other materials present on the site to precipitation

and to *stormwater*. *Minimization* of exposure is not required in cases where the exposure to precipitation and to *stormwater* will not result in a *discharge* of *pollutants*, or where exposure of a specific material or product poses little risk of *stormwater* contamination (such as final products and materials intended for outdoor use); and

iii. Prevent the *discharge* of *pollutants* from spills and leaks and implement chemical spill and leak prevention and response procedures.

e. **Surface Outlets.** When discharging from basins and impoundments, the surface outlets must be designed, constructed, and maintained in such a manner that sediment does not leave the basin or impoundment and that erosion at or below the outlet does not occur.

## C. Post-Construction Stormwater Management Practice (SMP) Requirements

1. The *owner or operator* of a *construction activity* that requires post-construction SMPs, in accordance with Part III.C., must select, design, install, implement, and maintain the SMPs to meet the *performance criteria* in the New York State Stormwater Management Design Manual, dated July 31, 2024 (DM), using sound engineering judgment. Where SMPs are not designed in conformance with the *performance criteria* in the DM, the *owner or operator* must include in the *SWPPP* the reason(s) for the deviation or alternative design and provide information which demonstrates that the deviation or alternative design is *equivalent* to the technical standard.

2. The *owner or operator* of a *construction activity*, that requires SMPs in accordance with Part III.C., must design the practices to meet the applicable *sizing criteria* in Part II.C.2.a., b., c., or d.

### a. Sizing Criteria for *New Development*

i. Runoff Reduction Volume (RRv) and Water Quality Volume (WQv):

1. Reduce the total WQv by application of RR techniques and standard SMPs with RRv capacity. The total WQv must be calculated in accordance with the criteria in Section 4.2 of the DM; or

2. Minimum RRv and Treatment of Remaining Total WQv: *Construction activities* that cannot meet the requirements in Part II.C.2.a.i.1. due to *site limitations* must direct runoff from all newly constructed *impervious areas* to a RR technique or standard SMP with RRv capacity unless *infeasible*. The specific *site limitations* that prevent the reduction of 100% of the WQv must be documented in the *SWPPP*. For each *impervious area* that is not directed to a RR technique or standard SMP with RRv capacity, the *SWPPP* must include documentation which demonstrates that all options were considered and for each option explains why it is considered *infeasible*.

   **In no case shall the runoff reduction achieved from the newly constructed *impervious areas* be less than the Minimum RRv as calculated using the criteria in Section 4.4 of the DM.** The remaining portion of the total WQv that cannot be reduced must be treated by application of standard SMPs.

ii. Channel Protection Volume (CPv): Provide 24 hour extended detention of the post-developed 1-year, 24-hour storm event, remaining after runoff reduction. Where a CPv control orifice is provided, the minimum orifice size must be 3 inches, with acceptable external trash rack or orifice protection. The CPv requirement does not apply when:

   1. Reduction of the entire CPv is achieved by application of runoff reduction techniques or infiltration systems; or

   2. The 1-year post-development peak *discharge* is less than or equal to 2.0 cfs without detention or velocity controls; or

   3. The site *directly discharges* into a fifth order or larger water body (stream, river, or lake), or tidal waters, where the increase in smaller flows will not impact the stream bank or channel integrity. However, the point of *discharge* must be adequately protected against scour and erosion by the increased peak *discharge*.

iii. *Overbank* Flood Control Criteria (Qp): Requires storage to attenuate the post-development 10-year, 24-hour peak *discharge* rate (Qp) to predevelopment rates. The Qp requirement does not apply when:

1. the site *directly discharges* to tidal waters or fifth order or larger streams, or

2. A downstream analysis reveals that *overbank* control is not required.

iv. Extreme Flood Control Criteria (Qf): Requires storage to attenuate the post-development 100-year, 24-hour peak *discharge* rate (Qf) to predevelopment rates. The Qf requirement does not apply when:

1. the site *directly discharges* to tidal waters or fifth order or larger streams, or

2. A downstream analysis reveals that *overbank* control is not required.

**b. *Sizing Criteria* for *New Development* in Enhanced Phosphorus Removal Watersheds**

i. Runoff Reduction Volume (RRv) and Water Quality Volume (WQv):

1. Reduce the WQv by application of RR techniques and standard SMPs with RRv capacity. The total WQv is the runoff volume from the 1-year, 24-hour design storm over the post-developed watershed and must be calculated in accordance with the criteria in Section 4.3 of the DM; or

2. Minimum RRv and Treatment of Remaining Total WQv: *Construction activities* that cannot meet the criteria in Part II.C.2.b.i.1. due to *site limitations* must direct runoff from all newly constructed *impervious areas* to a RR technique or standard SMP with RRv capacity unless *infeasible*. The specific *site limitations* that prevent the reduction of 100% of the WQv must be documented in the *SWPPP*. For each *impervious area* that is not directed to a RR technique or standard SMP with RRv capacity, the *SWPPP* must include

documentation which demonstrates that all options were considered and for each option explains why it is considered *infeasible.*

**In no case shall the runoff reduction achieved from the newly constructed *impervious areas* be less than the Minimum RRv as calculated using the criteria in Section 4.5 of the DM.** The remaining portion of the total WQv that cannot be reduced must be treated by application of standard SMPs.

ii. Channel Protection Volume (CPv): Provide 24 hour extended detention of the post-developed 1-year, 24-hour storm event, remaining after runoff reduction. Where a CPv control orifice is provided, the minimum orifice size must be 3 inches, with acceptable external trash rack or orifice protection. The CPv requirement does not apply when:

1. Reduction of the entire CPv is achieved by application of runoff reduction techniques or infiltration systems; or

2. The 1-year post-development peak *discharge* is less than or equal to 2.0 cfs; or

3. The site *directly discharges* to tidal waters, or a fifth order or larger water body (stream, river, or lake) where the increase in smaller flows will not impact the stream bank or channel integrity. However, the point of *discharge* must be adequately protected against scour and erosion by the increased peak *discharge*.

iii. *Overbank* Flood Control Criteria (Qp): Requires storage to attenuate the post-development 10-year, 24-hour peak *discharge* rate (Qp) to predevelopment rates. The Qp requirement does not apply when:

1. the site *directly discharges* to tidal waters or fifth order or larger streams; or

2. A downstream analysis reveals that *overbank* control is not required.

iv. Extreme Flood Control Criteria (Qf): Requires storage to attenuate the post-development 100-year, 24-hour peak *discharge* rate (Qf) to predevelopment rates. The Qf requirement does not apply when:

1. the site *directly discharges* to tidal waters or fifth order or larger streams; or

2. A downstream analysis reveals that *overbank* control is not required.

**c. *Sizing Criteria* for *Redevelopment Activity***

i. Water Quality Volume (WQv): The WQv treatment objective for *redevelopment activity* must be addressed by one of the following options, as outlined in Section 9.2.1. *Redevelopment activities* located in an Enhanced Phosphorus Removal Watershed (see Part III.B.3. and Appendix C) must calculate the WQv in accordance with Section 4.3 of the DM. All other *redevelopment activities* must calculate the WQv in accordance with Section 4.2 of the DM.

1. Reduce the existing *impervious cover* by a minimum of 25% of the total disturbed, *impervious area*. The Soil Restoration criteria in Section 5.1.6 of the DM must be applied to all newly created pervious areas; or

2. Capture and treat 100% of the required WQv, for a minimum of 25% of the disturbed redevelopment *impervious area*, by implementation of standard SMPs or reduced by application of runoff reduction techniques; or

3. Capture and treat 100% of the required WQv, for a minimum of 75% of the disturbed redevelopment *impervious area*, by implementation of a volume-based alternative SMP, as defined in Section 9.4 of the DM; or

4. Capture and treat 100% of the required WQv, for a minimum of 75% of the disturbed redevelopment *impervious area*, by implementation of a flow-through alternative SMP sized to treat the peak rate of runoff from the WQv design storm; or

5. Application of a combination of 1 through 4 above that provide a weighted average of at least two of the above methods. Application of this method must be in accordance with the criteria in Section 9.2.1(A)(V) of the DM; or

6. If there is an existing SMP located on the site that captures and treats runoff from the *impervious area* that is being disturbed, the WQv treatment option selected must, at a minimum, provide treatment equal to the treatment that was being provided by the existing practice(s) if that treatment is greater than the treatment required by options 1 through 5 above.

ii. Channel Protection Volume (CPv) is not required if there is 0% change to hydrology that increases the *discharge* rate and volume from the project site.

iii. *Overbank* Flood Control (Qp) is not required if there is 0% change to hydrology that increases the *discharge* rate from the project site.

iv. Extreme Flood Control (Qf) is not required if there is 0% change to hydrology that increases the *discharge* rate from the project site.

**d. *Sizing Criteria* for Combination of *Redevelopment Activity* and *New Development***

Construction projects, that include both *new development* and *redevelopment activity*, must use SMPs that meet the *sizing criteria* calculated as an aggregate of the *sizing criteria* in Part II.C.2.a. or b. for the *new development* portion of the project and Part II.C.2.c. for the *redevelopment activity* portion of the project.

## Part III. Stormwater Pollution Prevention Plan (SWPPP)

### A. General *SWPPP* Requirements

1. A *SWPPP* must be prepared and implemented by the *owner or operator* of all *construction activity* covered by this permit. All authorized *discharges* must be identified in the *SWPPP*. The *SWPPP* must document the selection, design, installation, implementation and maintenance of the control measures and

practices that will be used to meet the effluent limitations in Part II.B. and, where applicable, the SMP requirements in Part II.C.

2. The *SWPPP* must demonstrate consideration in narrative format of the future physical risks due to climate change pursuant to the Community Risk and Resiliency Act (CRRA), 6 NYCRR Part 490, and associated guidance.

    a. The owner or operator must consider:

        i. the following physical risks due to climate change:

            (i) increasing temperature; and

            (ii) increasing precipitation; and

            (iii) increasing variability in precipitation, including chance of drought; and

            (iv) increasing frequency and severity of flooding; and

            (v) rising sea level; and

            (vi) increasing storm surge; and

            (vii) shifting ecology.

        ii. for each of the following:

            (i) overall site planning; and

            (ii) location, elevation, and sizing of:

                a. control measures and practices; and

                b. conveyance system(s); and

                c. detention system(s).

3. The *SWPPP* must describe the erosion and sediment control practices and where required, SMPs that will be used and/or constructed to reduce the *pollutants* in *stormwater discharges* and to assure compliance with the

requirements of this permit. In addition, the *SWPPP* must identify potential sources of pollution which may reasonably be expected to affect the quality of *stormwater discharges*.

4. All *SWPPPs*, that require the SMP component in accordance with Part III.B.2., must be prepared by a *qualified professional*.

5. The *owner or operator* must keep the *SWPPP* current so that, at all times, it accurately documents the erosion and sediment control practices that are being used or will be used during construction, and all SMPs that will be constructed on the site. At a minimum, the *owner or operator* must modify the *SWPPP*, including construction drawings:

   a. whenever the current provisions prove to be ineffective in *minimizing pollutants* in *stormwater discharges* from the site; and

   b. whenever there is a change in design, construction, or operation at the *construction site* that has or could have an effect on the *discharge* of *pollutants*; and

   c. to address issues or deficiencies identified during an inspection by the *qualified inspector,* NYSDEC, or other regulatory authority; and

   d. to document the final construction conditions in an as-built drawing.

6. NYSDEC may notify the *owner or operator* at any time that the *SWPPP* does not meet one or more of the minimum requirements of this permit. The notification must be in writing and identify the provisions of the *SWPPP* that require modification. Within fourteen (14) calendar days of such notification, or as otherwise indicated by NYSDEC, the *owner or operator* must make the required changes to the *SWPPP* and submit written notification to NYSDEC that the changes have been made. If the *owner or operator* does not respond to NYSDEC's comments in the specified time frame, NYSDEC may suspend the *owner's or operator's* coverage under this permit or require the *owner or operator* to obtain coverage under an individual SPDES permit in accordance with Part II.D.4.

7. Prior to the *commencement of construction activity*, the *owner or operator* must identify the contractor(s) and subcontractor(s) that will be responsible for installing, constructing, repairing, replacing, inspecting, and maintaining the erosion and sediment control practices included in the *SWPPP* and the

contractor(s) and subcontractor(s) that will be responsible for constructing the SMPs included in the *SWPPP*. The *owner or operator* must have each of the contractors and subcontractors identify at least one person from their company to be *trained contractor* that will be responsible for implementation of the *SWPPP*. The *owner or operator* must ensure that at least one *trained contractor* is on site daily when soil disturbance activities are being performed.

The *owner or operator* must have each of the contractors and subcontractors identified above sign a copy of the following certification statement below before the *commencement of construction activities*:

> "I hereby certify under penalty of law that I understand and agree to comply with the requirements of the *SWPPP* and agree to implement any corrective actions identified by the *qualified inspector* during a site inspection. I also understand that the *owner or operator* must comply with the requirements of the most current version of the New York State Pollutant Discharge Elimination System (SPDES) Construction General Permit (CGP) for Stormwater Discharges from Construction Activities and that it is unlawful for any person to cause or contribute to a violation of *water quality standards*. Furthermore, I am aware that there are significant penalties for submitting false information, that I do not believe to be true, including the possibility of fine and imprisonment for knowing violations"

In addition to providing the certification statement above, the certification page must also identify the specific elements of the *SWPPP* that each contractor and subcontractor will be responsible for and include the name and title of the person providing the signature; the name and title of the *trained contractor* responsible for *SWPPP* implementation; the name, address and telephone number of the contracting firm; the address (or other identifying description) of the site; and the date the certification statement is signed. The *owner or operator* must attach the certification statement(s) to the copy of the *SWPPP* that is maintained at the *construction site*. If new or additional contractors are hired to implement measures identified in the *SWPPP* after the *commencement of construction activities*, they must also sign the certification statement and provide the information listed above prior to performing *construction activities*.

## B. Required *SWPPP* Contents

1. Erosion and sediment control component - The *owner or operator* must prepare a *SWPPP* that includes erosion and sediment control practices.

    a. Erosion and sediment control practices must be designed:

        i. in conformance with the BB; or

        ii. *equivalent* to the BB if deviating from Part III.B.1.a.i.

    b. If the erosion and sediment control practices are designed in conformance with Part III.B.1.a.ii., the *SWPPP* must include a demonstration of *equivalence* to the BB.

    c. At a minimum, the erosion and sediment control component of the *SWPPP* must include the following:

        i. Background information about the scope of the project, including the location, type and size of project; and

        ii. A site map/construction drawing(s) with north arrows for the project, including a general location map. At a minimum, the site map must show the total site area; all improvements; areas of disturbance; areas that will not be disturbed; existing vegetation; on-site and adjacent off-site surface water(s); floodplain/floodway boundaries; wetlands and drainage patterns that could be affected by the *construction activity*; existing and final contours; locations of different soil types with boundaries; material, waste, borrow or equipment storage areas located on adjacent properties; and location(s) of the *stormwater discharge*(s) and receiving surface water(s); and

        iii. A description of the soil(s) present at the site, including an identification of the Hydrologic Soil Group (HSG); and

        iv. A phasing plan for the project and sequencing plans for all *phases*, both of which must address clearing and grubbing, excavation and grading, utility and infrastructure installation, *final stabilization*,

and any other *construction activity* at the site that will result in soil disturbance.

1. The phasing plan must include:

    a. a map delineating and labeling the limits of soil disturbance for all *phases* of a project; and

    b. a table identifying the order and intended schedule of when each *phase* will begin and end its sequencing plan. The table must identify the total disturbed area for each *phase* at any one time and the total disturbed area for the overall project at any one time all on one timeline showing all overlapping quantities of disturbed area at any one time; and

2. A sequencing plan for a specific *phase* must include:

    a. a table indicating the order and intended schedule of *construction activities* within a *phase*, and corresponding construction drawings with a description of the work to be performed; and

    b. all permanent and *temporary stabilization* measures; and

v. A description of the minimum erosion and sediment control practices to be installed or implemented for each *construction activity* that will result in soil disturbance. Include a schedule that identifies the timing of initial placement or implementation of each erosion and sediment control practice and the minimum time frames that each practice should remain in place or be implemented; and

vi. A site map/construction drawing(s) showing the specific location(s), size(s), and length(s) of each erosion and sediment control practice; and

vii. The dimensions, material specifications, installation details, and operation and maintenance requirements for all erosion and sediment control practices. Include the location and sizing of any

temporary sediment basins and structural practices that will be used to divert flows from exposed soils; and

viii. A maintenance inspection schedule for the contractor(s) and subcontractor(s) identified in Part III.A.7. to ensure continuous and effective operation of the erosion and sediment control practices. The maintenance inspection schedule must be in accordance with the requirements in the BB technical standard; and

ix. A description of the pollution prevention measures that will be used to control litter, construction chemicals and construction debris from becoming a *pollutant* source in the *stormwater discharges*; and

x. A description and location of any *stormwater discharges* associated with industrial activity other than construction at the site, including, but not limited to, *stormwater discharges* from asphalt plants and concrete plants located on the *construction site*; and

xi. Identification of any elements of the design that are not in conformance with the design criteria in the BB technical standard. Include the reason for the deviation or alternative design and provide information which demonstrates that the deviation or alternative design is *equivalent* to the technical standard.

2. SMP component – The *owner or operator* of *construction activity* identified in Table 2 of Appendix B must prepare a *SWPPP* that includes SMPs.

   a. SMPs must be designed in conformance with the applicable *sizing criteria* in Part II.C.2.a., c., or d.; and

   b. SMPs must be designed in conformance with the *performance criteria*:

      i. in the DM; or

      ii. *equivalent* to the DM if deviating from Part III.B.2.b.i.; or

      iii. in the New York State Stormwater Management Design Manual, dated January 2015 (2015 Design Manual), or *equivalent* to it, if the following criteria are met:

1. The eNOI is submitted in accordance with Part I.D. before January 29, 2027 for *construction activities* that are either:

    a. subject to governmental review and approval:

        i. where the *owner or operator* made any application to that governmental entity prior to the effective date of this permit; and

        ii. such application included a *SWPPP* developed using the 2015 Design Manual or *equivalent* to it; or

    b. not subject to governmental review and approval:

        i. where a fiscal allocation for the *construction activities* has been developed and approved by a governmental entity; and

        ii. the *SWPPP* was developed using the 2015 Design Manual or *equivalent* to it; and

c. If SMPs are designed in conformance with Part III.B.2.b.ii., the *SWPPP* must include the reason(s) for the deviation or alternative design and a demonstration of *equivalence* to the DM; and

d. If SMPs are designed in conformance with Part III.B.2.b.iii., the *SWPPP* must include supporting information or documentation demonstrating that Part III.B.2.b.iii.1.a. or b. apply; and

e. The SMP component of the *SWPPP* must include the following:

    i. Identification of all SMPs to be constructed as part of the project, including which option the SMP designs conform to, either Part III.B.2.b.i., ii., or iii. Include the dimensions, material specifications and installation details for each SMP; and

    ii. A site map/construction drawing(s) showing the specific location and size of each SMP; and

iii. A Stormwater Modeling and Analysis Report that includes:

(i) Map(s) showing pre-development conditions, including watershed/subcatchments boundaries, flow paths/routing, and design points; and

(ii) Map(s) showing post-development conditions, including watershed/subcatchments boundaries, flow paths/routing, design points and SMPs; and

(iii) Results of *stormwater* modeling (i.e. hydrology and hydraulic analysis) for the required storm events. Include supporting calculations (model runs), methodology, and a summary table that compares pre- and post-development runoff rates and volumes for the different storm events; and

(iv) Summary table, with supporting calculations, which demonstrates that each SMP has been designed in conformance with the *sizing criteria* included in the DM; and

(v) Identification of any *sizing criteria* that is not required based on the requirements included in Part II.C.; and

(vi) Identification of any elements of the design that are not in conformance with the *performance criteria* in the DM. Include the reason(s) for the deviation or alternative design and provide information which demonstrates that the deviation or alternative design is *equivalent* to the DM.

iv. Soil testing results and locations (test pits, borings); and

v. Infiltration test results, when required in accordance with Part III.B.2.a.; and

vi. An operations and maintenance plan that includes inspection and maintenance schedules and actions to ensure continuous and effective operation of each SMP. The plan must identify the entity

that will be responsible for the long-term operation and maintenance of each practice; and

3. Enhanced Phosphorus Removal Standards - The *owner or operator* of *construction activity* identified in Table 2 of Appendix B that is located in a watershed identified in Appendix C must prepare a *SWPPP* that includes SMPs designed in conformance with the applicable *sizing criteria* in Part II.C.2.b., c., or d. and the *performance criteria* Enhanced Phosphorus Removal Standards included in the DM. At a minimum, the SMP component of the *SWPPP* must meet the requirements of Part III.B.2.

### C. Required *SWPPP* Components by Project Type

*Owners or operators* of *construction activities*, identified in Table 1 of Appendix B, are required to prepare a *SWPPP* that only includes erosion and sediment control practices designed in accordance with Part III.B.1. *Owners or operators* of the *construction activities*, identified in Table 2 of Appendix B, must prepare a *SWPPP* that also includes SMPs designed in accordance with Part III.B.2 or 3.

For the entire area of disturbance, including the entire *common plan of development or sale* if applicable, the owner or operator must evaluate every bullet from Appendix B Table 1 and Table 2 separately. If bullets from both Table 1 and Table 2 apply, the *SWPPP* must include erosion and sediment control practices for all *construction activities* but SMPs for only those portions of the *construction activities* that fall under Table 2 bullet(s).

## Part IV. Inspection and Maintenance Requirements

### A. General Construction Site Inspection and Maintenance Requirements

1. The *owner or operator* must ensure that all erosion and sediment control practices (including pollution prevention measures), and all SMPs identified in the *SWPPP*, are inspected and maintained in accordance with Part IV.B. and C.

### B. Contractor Maintenance Inspection Requirements

1. The *owner or operator* of each *construction activity*, identified in Tables 1 and 2 of Appendix B, must have a *trained contractor* inspect the erosion and sediment control practices and pollution prevention measures being

implemented within the active work area daily to ensure that they are being maintained in effective operating condition at all times. If deficiencies are identified, the contractor must:

a. if the corrective action does not require engineering design:

    i. begin implementing corrective actions within one business day; and

    ii. complete the corrective actions within five business days; or

b. if the corrective action requires engineering design:

    i. begin the engineering design process within five business days; and

    ii. complete the corrective action in a reasonable time frame but no later than within 60 calendar days.

2. For *construction sites* where soil disturbance activities have been temporarily suspended (e.g. winter shutdown) and *temporary stabilization* measures have been applied to all disturbed areas, the *trained contractor* can stop conducting the maintenance inspections in accordance with Part IV.B.1. The *trained contractor* must begin conducting the maintenance inspections in accordance with Part IV.B.1. as soon as soil disturbance activities resume.

3. For *construction sites* where soil disturbance activities have been shut down with partial project completion, the *trained contractor* can stop conducting the maintenance inspections in accordance with Part IV.B.1. if all areas disturbed as of the project shutdown date have achieved *final stabilization* and all SMPs required for the completed portion of the project have been constructed in conformance with the *SWPPP* and are operational.

**C. *Qualified Inspector* Inspection Requirements**

1. With the exception of the following *construction activities* identified in Tables 1 and 2 of Appendix B, a *qualified inspector* must conduct site inspections for all other *construction activities* identified in Tables 1 and 2 of Appendix B:

    a. the construction of a single-family residential subdivision with 25% or less *impervious cover* at total site build-out that involves a soil disturbance of one (1) or more acres of land but less than or equal to five (5) acres and is

not located in one of the watersheds listed in Appendix C and not *directly discharging* to one of the 303(d) segments listed in Appendix D; and

b. the construction of a single-family home that involves soil disturbances of one (1) or more acres but less than or equal to five (5) acres and is not located in one of the watersheds listed in Appendix C and not *directly discharging* to one of the 303(d) segments listed in Appendix D; and

c. construction on *agricultural property* that involves soil disturbances of one (1) or more acres but less than five (5) acres; and

d. *construction activities* located in the New York City Watershed located east of the Hudson River, see Appendix C Figure 1, that involve soil disturbances of 5,000 square feet or more, but less than one acre.

2. The *qualified inspector* must conduct site inspections in accordance with the following timetable:

a. For *construction sites* where soil disturbance activities are on-going, the *qualified inspector* must conduct a site inspection at least once every seven (7) calendar days; or

b. For *construction sites* where soil disturbance activities are on-going and the *owner or operator* has received authorization in accordance with Part I.E.6. to disturb greater than five (5) acres of soil at any one time, the *qualified inspector* must conduct at least two (2) site inspections every seven (7) calendar days. The two (2) inspections must be separated by a minimum of two (2) full calendar days; or

c. For *construction sites* where soil disturbance activities have been temporarily suspended (e.g. winter shutdown) and *temporary stabilization* measures have been applied to all disturbed areas, the *qualified inspector* must conduct a site inspection at least once every thirty (30) calendar days. The *owner or operator* must notify the DOW Water (SPDES) Program contact at the Regional Office (see contact information in Appendix E) or, in areas under the jurisdiction of a *Traditional Land Use Control MS4 Operator,* the *Traditional Land Use Control MS4 Operator* (provided the *Traditional Land Use Control MS4 Operator* is not the *owner or operator* of the *construction activity*) by hard copy or email prior to reducing the inspections to this frequency and again by hard copy or email prior to re-commencing construction; or

d. For *construction sites* where soil disturbance activities have been shut down with partial project completion, the requirement to have the *qualified inspector* conduct inspections ceases if all areas disturbed as of the project shutdown date have achieved *final stabilization* and all SMPs required for the completed portion of the project have been constructed in conformance with the *SWPPP* and are operational. The *owner or operator* must notify the DOW Water (SPDES) Program contact at the Regional Office (see contact information in Appendix E) or, in areas subject to the review authority of *Traditional Land Use Control MS4 Operator(s)* in accordance with Part I.D.2.b.ii.1., the *Traditional Land Use Control MS4 Operator(s)* (provided the *Traditional Land Use Control MS4 Operator(s)* are not the *owners or operators* of the *construction activity*) in writing prior to the shutdown and again in writing prior to resuming *construction activity*. If soil disturbance activities are not resumed within 2 years from the date of shutdown, the *owner or operator* must terminate coverage by meeting the requirements of Part V; or

e. For *construction sites* involving soil disturbance of one (1) or more acres that *directly discharge* to one of the 303(d) segments listed in Appendix D or is located in one of the watersheds listed in Appendix C, the *qualified inspector* must conduct at least two (2) site inspections every seven (7) calendar days. The two (2) inspections must be separated by a minimum of two (2) full calendar days.

3. At a minimum, the *qualified inspector* must inspect:

   a. all erosion and sediment control practices and pollution prevention measures to ensure integrity and effectiveness; and

   b. all SMPs under construction to ensure that they are constructed in conformance with the *SWPPP*; and

   c. all areas of disturbance that have not achieved *final stabilization*; and

   d. all points of *discharge* to *surface waters of the State* located within, or immediately adjacent to, the property boundaries of the *construction site*; and

   e. all points of *discharge* from the *construction site*.

4. The *qualified inspector* must prepare an inspection report subsequent to each and every inspection. At a minimum, the inspection report must include and/or address all of the following, for all *construction activities* except those listed in Part IV.C.1.:

   a. Permit identification number; and

   b. Date and time of inspection; and

   c. Name and title of person(s) performing inspection; and

   d. A description of the weather and soil conditions (e.g. dry, wet, saturated) at the time of the inspection, including the temperature at the time of the inspection; and

   e. A description of the condition of the runoff at all points of *discharge* from the *construction site*. This must include identification of any *discharges* of sediment from the *construction site*. Include *discharges* from conveyance systems (i.e. pipes, culverts, ditches, etc.) and overland flow; and

   f. A description of the condition of all *surface waters of the State* located within, or immediately adjacent to, the property boundaries of the *construction site* which receive runoff from disturbed areas. This must include identification of any *discharges* of sediment to the *surface waters of the State*; and

   g. Identification of all erosion and sediment control practices and pollution prevention measures that need repair or maintenance; and

   h. Identification of all erosion and sediment control practices and pollution prevention measures that were not installed properly or are not functioning as designed and need to be reinstalled or replaced; and

   i. Description and sketch (map) of areas with active soil disturbance activity, areas that have been disturbed but are inactive at the time of the inspection, and areas that have been stabilized (temporary and/or final) since the last inspection; and

   j. Estimates, in square feet or acres, of the following areas:

i. Total area with active soil disturbance (not requiring either *temporary stabilization* or *final stabilization*); and

ii. Total area with inactive soil disturbance (requiring either *temporary stabilization* or *final stabilization*); and

iii. Total area that has achieved *temporary stabilization*; and

iv. Total area that has achieved *final stabilization*; and

k. Current stage of construction of all SMPs and identification of all *construction activity* on site that is not in conformance with the *SWPPP* and technical standards; and

l. Corrective action(s) that must be taken to install, repair, replace or maintain erosion and sediment control practices and pollution prevention measures; and to correct deficiencies identified with the construction of the SMP(s); and

m. Identification and status of all corrective actions that were required by previous inspection; and

n. Digital photographs, with date stamp, that clearly show the condition of all practices that have been identified as needing corrective actions. The *qualified inspector* must attach color copies of the digital photographs to the inspection report being maintained onsite within seven (7) calendar days of the date of the inspection. The *qualified inspector* must also take digital photographs, with date stamp, that clearly show the condition of the practice(s) after the corrective action has been completed. The *qualified inspector* must attach paper color copies of the digital photographs to the inspection report that documents the completion of the corrective action work within seven (7) calendar days of that inspection.

5. Within one business day of the completion of an inspection, the *qualified inspector* must notify the *owner or operator*, and appropriate contractor or subcontractor identified in Part III.A.7., of any corrective actions that need to be taken. The contractor or subcontractor must:

a. if the corrective action does not require engineering design:

i. begin implementing corrective actions within one business day; and

ii. complete the corrective actions within five business days; or

b. if the corrective action requires engineering design:

i. begin the engineering design process within five business days; and

ii. complete the corrective action in a reasonable time frame but no later than within 60 calendar days.

6. All inspection reports must be signed by the *qualified inspector.* In accordance with Part I.E.3., the inspection reports must be maintained on site with the *SWPPP*.

## Part V. How to Terminate CGP Coverage

### A. Electronic Notice of Termination (eNOT) Submittal

The eNOT contains questions to ensure requirements in Part V.A. have been met.

1. An *owner or operator* must terminate coverage when one or more of the following requirements have been met:

a. Total project completion:

i. all *construction activity* identified in the *SWPPP* has been completed; and

ii. all areas of disturbance have achieved *final stabilization*; and

iii. all temporary, structural erosion and sediment control measures have been removed; and

iv. all SMPs have been constructed in conformance with the *SWPPP* and are operational; and

v. an as-built drawing has been prepared; or

b. Planned shutdown with partial project completion:

   i. all soil disturbance activities have ceased; and

   ii. all areas disturbed as of the project shutdown date have achieved *final stabilization*; and

   iii. all temporary, structural erosion and sediment control measures have been removed; and

   iv. all SMPs required for the completed portion of the project have been constructed in conformance with the *SWPPP* and are operational; and

   v. an as-built drawing has been prepared; or

c. In accordance with Part I.G. Change of Owner or Operator; or

d. The *owner or operator* has obtained coverage under an alternative general SPDES permit or an individual SPDES permit.

2. For *construction activities* that require *qualified inspector* inspections in accordance with Part IV.C.1. and have met Part V.A.1.a. or b., the *owner or operator* must have the *qualified inspector* perform a final site inspection prior to submitting the eNOT. The *qualified inspector* must, by signing the "Final Stabilization" and "Post-Construction Stormwater Management Practice(s)" certification statements on the eNOT, certify that all the requirements in Part V.A.1.a. or b. have been achieved.

3. For *construction activities* that are subject to the review authority of *Traditional Land Use Control MS4 Operator(s)* in accordance with Part I.D.2.b.ii.1. and meet Part V.A.1.a. or b., the *owner or operator* must have the *Traditional Land Use Control MS4 Operator(s)* sign the "MS4 Acceptance" statement on the eNOT in accordance with the requirements in Part VII.J. A *Traditional Land Use Control MS4 Operator* official, by signing this statement, determined that it is acceptable for the *owner or operator* to submit the eNOT in accordance with the requirements of this Part. A *Traditional Land Use Control MS4 Operator* can make this determination by performing a final site inspection themselves or by accepting the *qualified inspector*'s final site inspection certification(s) when required in Part V.A.2.

4. For *construction activities* that require SMPs and meet Part V.A.1.a. or b., the *owner or operator* must, prior to submitting the eNOT, ensure one of the following:

    a. for SMP(s) that were constructed by a private entity, but will be owned, operated, and maintained by a public entity, the SMP(s) and any right-of-way(s) needed to operate and maintain such practice(s) have been deeded to the municipality in which the practice(s) is located; or

    b. for SMP(s) that are privately owned, but will be operated and maintained by a public entity, an executed operation and maintenance agreement is in place with the municipality that will operate and maintain the SMP(s); or

    c. for SMP(s) that are privately owned, the *owner or operator* has a mechanism in place that requires operation and maintenance of the practice(s) in accordance with the operation and maintenance plan, such as a deed covenant in the *owner or operator's* deed of record; or

    d. for SMP(s) that are owned by a public or private institution (e.g. school, university, hospital), government agency or authority, or public utility, the *owner or operator* has policies and procedures in place that ensure operation and maintenance of the practices in accordance with the operation and maintenance plan.

5. An *owner or operator* that has met the requirements of Part V.A.1., 2., 3., and 4. must request termination of coverage under this permit by submitting a complete Notice of Termination form electronically using a NYSDEC approved form.[5]

    a. The owner's or operator's coverage is terminated as of the termination date indicated in the Letter of Termination (LOT), which is sent by NYSDEC after a complete eNOT is submitted.

[5] Unless NYSDEC grants a waiver in accordance with 40 CFR 127.15(c) or (d). All waiver requests must be submitted to Stormwater_info@dec.ny.gov or NYSDEC, Bureau of Water Permits, 625 Broadway, 4th Floor, Albany, New York 12233-3505.

## Part VI. Record Retention and Reporting

### A. Record Retention

The *owner or operator* must retain a copy of the documents listed in Part I.E.3. and a copy of the LOT for a period of at least five years from the date that NYSDEC accepts a complete NOT submitted in accordance with Part V.

### B. Reporting

Except for the eNOI, the signature forms associated with the eNOI, and the eNOT, all other written correspondence requested by NYSDEC, including individual permit applications, must be sent to the address of the appropriate DOW (SPDES) Program contact at the Regional Office listed in Appendix E.

## Part VII. Standard Permit Requirements

For the purposes of this permit, examples of contractors and subcontractors include: third-party maintenance and construction contractors.

### A. Duty to Comply

The *owner or operator*, and all contractors or subcontractors, must comply with all requirements of this permit. Any non-compliance with the requirements of this permit constitutes a violation of the New York State Environmental Conservation Law (ECL), and its implementing regulations, and is grounds for enforcement action. Filing of a request for termination of coverage under this permit, or a notification of planned changes or anticipated non-compliance, does not limit, diminish or stay compliance with any requirements of this permit.

### B. Need to Halt or Reduce Activity Not a Defense

The necessity to halt or reduce the *construction activity* regulated by this permit, in order to maintain compliance with the requirements of this permit, must not be a defense in an enforcement action.

### C. Penalties

There are substantial criminal, civil, and administrative penalties associated with violating the requirements of this permit. Fines of up to $37,500 per day for each

violation and imprisonment for up to 15 years may be assessed depending upon the nature and degree of the offense.

### D. False Statements

Any person who knowingly makes any false material statement, representation, or certification in any application, record, report, or other document filed or required to be maintained under this permit, including monitoring reports or reports of compliance or noncompliance must, upon conviction, be punished in accordance with ECL §71-1933 and or New York State Penal Law Articles 175 and 210.

### E. Re-Opener Clause

Upon issuance of this permit, a determination has been made on the basis of a submitted Notice of Intent, plans, or other available information, that compliance with the specified permit requirements will reasonably protect classified water use and assure compliance with applicable *water quality standards*. Satisfaction of the requirements of this permit notwithstanding, if operation pursuant to this permit causes or contributes to a condition in contravention of State *water quality standards* or guidance values, or if NYSDEC determines that a modification is necessary to prevent impairment of the best use of the waters or to assure maintenance of *water quality standards* or compliance with other provisions of ECL Article 17 or the Clean Water Act (CWA), or any regulations adopted pursuant thereto, NYSDEC may require such modification and the Commissioner may require abatement action to be taken by the *owner or operator* and may also prohibit such operation until the modification has been implemented.

### F. Duty to Mitigate

The *owner or operator*, and its contractors and subcontractors, must take all reasonable steps to *minimize* or prevent any *discharge* in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.

### G. Requiring Another General Permit or Individual SPDES Permit

NYSDEC may require any *owner or operator* authorized to *discharge* in accordance with this permit to apply for and obtain an individual SPDES permit or apply for authorization to *discharge* in accordance with another general SPDES permit.

1. Cases where an individual SPDES permit or authorization to discharge in accordance with another general SPDES permit may be required include, but is not limited to the following:

a. the *owner or operator* is not in compliance with the conditions of this permit or does not meet the requirements for coverage under this permit; and

b. a change has occurred in the availability of demonstrated technology or practices for the control or abatement of *pollutants* applicable to the *point source*; and

c. new effluent limitation guidelines or new source performance standards are promulgated that are applicable to *point sources* authorized to *discharge* in accordance with this permit; and

d. existing effluent limitation guidelines or new source performance standards that are applicable to *point sources* authorized to *discharge* in accordance with this permit are modified; and

e. a water quality management plan containing requirements applicable to such *point sources* is approved by NYSDEC; and

f. circumstances have changed since the time of the request to be covered so that the *owner or operator* is no longer appropriately controlled under this permit, or either a temporary or permanent reduction or elimination of the authorized *discharge* is necessary; and

g. the *discharge* is in violation of section 17-0501 of the ECL; and

h. the *discharge(s)* is a significant contributor of *pollutants*. In making this determination, NYSDEC may consider the following factors:

   i. the location of the *discharge(s)* with respect to *surface waters of the State*; and

   ii. the size of the *discharge(s)*; and

   iii. the quantity and nature of the *pollutants discharged* to *surface waters of the State*; and

   iv. other relevant factors including compliance with other provisions of ECL Article 17, or the CWA.

2. When NYSDEC requires any *owner or operator* authorized by this permit to apply for an individual SPDES permit as provided for in this subdivision, it must notify the *owner or operator* in writing that a permit application is required. This notice must include a brief statement of the reasons for this decision, an application

form, a statement setting a time for the *owner or operator* to file the application for an individual SPDES permit, and a deadline, not sooner than 180 days from the *owner's or operator's* receipt of the notification letter, whereby the authorization to *discharge* under this permit must be terminated. NYSDEC may grant additional time upon demonstration, to the satisfaction of the RWE,[6] that additional time to apply for an alternative authorization is necessary or where NYSDEC has not provided a permit determination in accordance with 6 NYCRR Part 621.

3. When an individual SPDES permit is issued to an *owner or operator* authorized to *discharge* under this permit for the same *discharge(s)*, this permit authorization for *construction activities* authorized under the individual SPDES permit is automatically terminated on the effective date of the individual SPDES permit unless termination is earlier in accordance with 6 NYCRR Part 750.

## H. Duty to Provide Information

The *owner or operator* must furnish to NYSDEC, within five business days, unless otherwise set forth by NYSDEC, any information that NYSDEC may request to determine whether cause exists to determine compliance with this permit or to determine whether cause exists for requiring an individual SPDES permit in accordance with 6 NYCRR 750-1.21(e) (see Part VII.G. Requiring Another General Permit or Individual Permit).

The *owner or operator* must make available to NYSDEC, for inspection and copying, or furnish to NYSDEC within 25 business days of receipt of a NYSDEC request for such information, any information retained in accordance with this permit.

Except for Part I.D.4. and 5. and Part I.G., the following applies: where the *owner or operator* becomes aware that it failed to submit any relevant facts on the Notice of Intent, or submitted incorrect information in a Notice of Intent or in any report to NYSDEC, the *owner or operator* must submit such facts or corrected information to NYSDEC within five business days.

## I. Extension

In the event a new permit is not issued and effective prior to the expiration of this permit, and this permit is extended pursuant to the State Administrative Procedure Act and 6 NYCRR Part 621, then the *owner or operator* with coverage under this permit may continue to operate and *discharge* in accordance with the requirements of this permit until a new permit is issued and effective.

[6] The Regional Water Manager where a DEC Region does not have a RWE.

## J. Signatories and Certification

The Notice of Intent, Notice of Termination, and reports required by this permit must be signed as provided in 40 CFR §122.22.

1. All Notices of Intent and Notices of Termination must be signed as follows:

    a. For a corporation. By a responsible corporate officer. For the purpose of this section, a responsible corporate officer means:

        (i) a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy- or decision-making functions for the corporation; or

        (ii) the manager of one or more manufacturing, production or operating facilities, provided, the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for Notice of Intent or Notice of Termination requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.

        Note: NYSDEC does not require specific assignments or delegations of authority to responsible corporate officers identified in 40 CFR §122.22(a)(1)(i). NYSDEC will presume that these responsible corporate officers have the requisite authority to sign the Notice of Intent or Notice of Termination unless the corporation has notified NYSDEC to the contrary. Corporate procedures governing authority to sign a Notice of Intent or Notice of Termination may provide for assignment or delegation to applicable corporate positions under 40 CFR §122.22(a)(1)(ii) rather than to specific individuals.

    b. For a partnership or sole proprietorship. By a general partner or the proprietor, respectively.

c. For a municipality, State, Federal, or other public agency. By either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a Federal agency includes:

   1. the chief executive officer of the agency; or

   2. a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., Regional Administrators of EPA).

2. All reports required by this permit, and other information requested by NYSDEC, must be signed by a person described in Part VII.J.1., or by a duly authorized representative of that person. A person is a duly authorized representative only if:

   a. The authorization is made in writing by a person described in Part VII.J.1. or using the Duly Authorized Form, found on the DEC website; and

   b. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the company. (A duly authorized representative may thus be either a named individual or any individual occupying a named position); and

   c. The written authorization is submitted to NYSDEC.

3. Changes to authorization. If an authorization under Part VII.J.2. is no longer accurate because a different individual or position has responsibility for the overall operation of the *construction activity*, a new authorization satisfying the requirements of Part VII.J.2. must be submitted to NYSDEC prior to or together with any reports, information, or applications to be signed by an authorized representative.

4. Certification. Any person signing a document under Part VII.J.1. or 2. must make the following certification:

   *I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who*

*manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.*

5. Electronic reporting. If documents described in Part VII.J.1. or 2. are submitted electronically by or on behalf of the *construction activity* with coverage under this permit, any person providing the electronic signature for such documents must meet all relevant requirements of this section, and must ensure that all of the relevant requirements of 40 CFR Part 3 (including, in all cases, subpart D to Part 3) (Cross-Media Electronic Reporting) and 40 CFR Part 127 (NPDES Electronic Reporting Requirements) are met for that submission.

## K. Inspection and Entry

The *owner or operator* must allow NYSDEC, the USEPA Regional Administrator, the applicable county health department, or any authorized representatives of those entities, or, in the case of a *construction site* which *discharges* through an *MS4*, an authorized representative of the *MS4* receiving the *discharge*, upon the presentation of credentials and other documents as may be required by law, to:

1. enter upon the *owner's or operator's* premises where a regulated facility or activity is located or conducted or where records must be kept under the requirements of this permit; and

2. have access to and copy at reasonable times, any records that must be kept under the requirements of this permit, including records required to be maintained for purposes of operation and maintenance; and

3. inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices or operations regulated or required under this permit; and

4. sample or monitor at reasonable times, for the purposes of assuring general SPDES permit compliance or as otherwise authorized by the CWA or ECL, any substances or parameters at any location; and

5. enter upon the property of any contributor to the regulated facility or activity under authority of the *owner or operator*.

**L. Confidentiality of Information**

The following must not be held confidential: this permit, the fact sheet for this permit, the name and address of any *owner or operator*, effluent data, the Notice of Intent, and information regarding the need to obtain an individual permit or an alternative general SPDES permit. This includes information submitted on forms themselves and any attachments used to supply information required by the forms (except information submitted on usage of substances). Upon the request of the *owner or operator*, NYSDEC must make determinations of confidentiality in accordance with 6 NYCRR Part 616, except as set forth in the previous sentence. Any information accorded confidential status must be disclosed to the Regional Administrator upon his or her written request. Prior to disclosing such information to the Regional Administrator, NYSDEC will notify the Regional Administrator of the confidential status of such information.

**M. Other Permits May Be Required**

Nothing in this permit relieves the *owner or operator* from a requirement to obtain any other permits required by law.

**N. NYSDEC Orders or Civil Decrees/Judgments**

The issuance of this permit by the NYSDEC, and the coverage under this permit by the *owner or operator*, does not supersede, revoke, or rescind any existing order on consent or civil Decree/Judgment, or modification to any such documents or to any order issued by the Commissioner, or any of the terms, conditions, or requirements contained in such order or modification therefore, unless expressly noted.

**O. Property Rights**

Coverage under this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State, or local laws or regulations, nor does it obviate the necessity of obtaining the assent of any other jurisdiction as required by law for the *discharge* authorized.

**P. Compliance with Interstate Standards**

If the *construction activity* covered by this permit originates within the jurisdiction of an interstate water pollution control agency, then the *construction activity* must also comply with any applicable effluent standards or *water quality standards* promulgated by that interstate agency and as set forth in this permit for such *construction activities*.

## Q. Oil and Hazardous Substance Liability

Coverage under this permit does not affect the imposition of responsibilities upon, or the institution of any legal action against, the *owner or operator* under section 311 of the CWA, which must be in conformance with regulations promulgated pursuant to section 311 governing the applicability of section 311 of the CWA to *discharges* from facilities with *NPDES* permits, nor must such issuance preclude the institution of any legal action or relieve the *owner or operator* from any responsibilities, liabilities, or penalties to which the *owner or operator* is or may be subject pursuant to the Comprehensive Environmental Response, Compensation and Liability Act of 1980, 42 U.S.C. section 9601 et seq. (CERCLA).

## R. Severability

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, must not be affected thereby.

## S. NYSDEC Approved Forms

The *owner or operator* must provide all relevant information that is requested by NYSDEC, and required by this permit, on all NYSDEC approved forms.

## APPENDIX A – Abbreviations and Definitions

### Abbreviations

APO – Agency Preservation Officer
BB – New York State Standards and Specifications for Erosion and Sediment Control (Blue Book), dated November 2016
BMP – Best Management Practice
CPESC – Certified Professional in Erosion and Sediment Control
CPv – Channel Protection Volume
CWA – Clean Water Act (or the Federal Water Pollution Control Act, 33 U.S.C. §1251 et seq)
DM – New York State Stormwater Management Design Manual (Design Manual), dated July 31, 2024
DOW – Division of Water
EAF – Environmental Assessment Form
ECL – chapter 43-B of the Consolidated Laws of the State of New York, entitled the Environmental Conservation Law
EPA – U.S. Environmental Protection Agency
HSG – Hydrologic Soil Group
MS4 – Municipal Separate Storm Sewer System
NOI – Notice of Intent
NOT – Notice of Termination
NPDES – National Pollutant Discharge Elimination System
NYC – The City of New York
NYCDEP – The City of New York Department of Environmental Protection
NYSDEC – The New York State Department of Environmental Conservation
OPRHP – Office of Parks, Recreation and Historic Places
Qf – Extreme Flood
Qp – Overbank Flood
RR – Runoff Reduction
RRv – Runoff Reduction Volume
RWE – Regional Water Engineer
SEQR – State Environmental Quality Review Act
SHPA – State Historic Preservation Act
SMP – Post-Construction Stormwater Management Practice
SPDES – State Pollutant Discharge Elimination System
SWPPP – Stormwater Pollution Prevention Plan
TMDL – Total Maximum Daily Load
UPA – Uniform Procedures Act
USDA – United States Department of Agriculture
WQv – Water Quality Volume

**Definitions**

All definitions in this section are solely for the purposes of this permit. If a word is not italicized in the permit, use its common definition.

**Agricultural Building** – a structure designed and constructed to house farm implements, hay, grain, poultry, livestock or other horticultural products; excluding any structure designed, constructed or used, in whole or in part, for human habitation, as a place of employment where agricultural products are processed, treated or packaged, or as a place used by the public.

**Agricultural Property** – the land for construction of a barn, *agricultural building*, silo, stockyard, pen or other structural practices identified in Table II in the "Agricultural Best Management Practice Systems Catalogue" (dated June 2023).

**Alter Hydrology from Pre- to Post-Development Conditions** – the post-development peak flow rate(s) has increased by more than 5% of the pre-developed condition for the design storm of interest (e.g. 10 yr and 100 yr).

**Combined Sewer System** – a sewer system which conveys sewage and *stormwater* through a single pipe system to a publicly owned treatment works.

**Commence (Commencement of) Construction Activities** – the initial disturbance of soils associated with clearing, grading or excavation activities; or other construction related activities that disturb or expose soils such as demolition, stockpiling of fill material, and the initial installation of erosion and sediment control practices required in the *SWPPP*. See definition for "*Construction Activity(ies)*" also.

**Common Plan of Development or Sale** – a contiguous area where multiple separate and distinct *construction activities* are occurring, or may occur, under one plan. The "common plan" of development or sale is broadly defined as any announcement or piece of documentation (including a sign, public notice or hearing, marketing plan, advertisement, drawing, permit application, State Environmental Quality Review Act (SEQR) environmental assessment form or other documents, zoning request, computer design, etc.) or physical demarcation (including boundary signs, lot stakes, surveyor markings, etc.) indicating *construction activities* may occur on a specific plot. A *common plan of development or sale* is comprised of two or more *phases*.

*Common plan of development or sale* does not include separate and distinct *construction activities* that are occurring, or may occur, under one plan that are at least 1/4 mile apart provided any interconnecting road, pipeline or utility project that is part of the same "common plan" is not concurrently being disturbed.

**Construction Activity(ies)** – identified within 40 CFR 122.26(b)(14)(x), 122.26(b)(15)(i), and 122.26(b)(15)(ii), any clearing, grading, excavation, filling, demolition or stockpiling activities that result in soil disturbance. Clearing activities can include, but are not limited to, mechanized logging equipment operation, the cutting and skidding of trees, stump removal and/or brush root removal.

*Construction activity* does not include routine maintenance that is performed to maintain the original line and grade, hydraulic capacity, or original purpose of a facility, which is excluded from the calculation of the soil disturbance for a project. Routine maintenance includes, but is not limited to:

- Re-grading of gravel roads or parking lots; and
- Cleaning and shaping of existing roadside ditches and culverts that maintains the approximate original line and grade, and maintains or improves the hydraulic capacity of the ditch; and
- Replacement of existing culverts that maintains the approximate original line and grade, and maintains or improves the hydraulic capacity of a ditch; and
- Replacement of existing bridges that maintains the approximate original line and grade, and maintains or improves the hydraulic capacity beneath the bridges; and
- Cleaning and shaping of existing roadside ditches that does not maintain the approximate original grade, hydraulic capacity and purpose of the ditch if the changes to the line and grade, hydraulic capacity or purpose of the ditch are installed to improve water quality and quantity controls (e.g. installing grass lined ditch); and
- Placement of aggregate shoulder backing that stabilizes the transition between the road shoulder and the ditch or *embankment*; and
- Full depth milling and filling of existing asphalt pavements, replacement of concrete pavement slabs, and similar work that does not expose soil or disturb the bottom six (6) inches of subbase material; and
- Long-term use of equipment storage areas at or near highway maintenance facilities; and
- Removal of sediment from the edge of the highway to restore a previously existing sheet-flow drainage connection from the highway surface to the highway ditch or *embankment*; and
- Existing use of Canal Corp owned upland disposal sites for the canal, and
- Replacement of curbs, gutters, sidewalks and guide rail posts; and
- Maintenance of ski trails including brush hog use and mowing; and
- Above ground snowmaking pipe replacement; and
- Replacement of existing utility poles; etc.

**Construction Site** – the land area where *construction activity(ies)* will occur. See also the definitions for "*Commence (Commencement of) Construction Activities"* and "*Common Plan of Development or Sale."*

**Dewatering** – the act of draining rainwater and/or groundwater from building foundations, vaults or excavations/trenches.

**Directly Discharge(s)(ing) (to a specific surface waterbody)** – runoff flows from a *construction site* by overland flow and the first point of *discharge* is the specific surface waterbody, or runoff flows from a *construction site* to a separate storm sewer system and the first point of *discharge* from the separate storm sewer system is the specific surface waterbody.

**Discharge(s)(d)** – any addition of any *pollutant* to waters of the State through an outlet or *point source*.

**Embankment** – an earthen or rock slope that supports a road/highway.

**Equivalent (Equivalence)** – the practice or measure meets all the performance, longevity, maintenance, and safety objectives of the technical standard and will provide an equal or greater degree of water quality protection.

**Final Stabilization** – all soil disturbance activities have ceased and a uniform, perennial vegetative cover with a density of eighty (80) percent over the entire pervious surface has been established; or other *equivalent* stabilization measures, such as permanent landscape mulches, rock rip-rap or washed/crushed stone have been applied on all disturbed areas that are not covered by permanent structures, concrete or pavement.

**Historic Property** – any building, structure, site, object or district that is listed on the State or National Registers of Historic Places or is determined to be eligible for listing on the State or National Registers of Historic Places.

**Impervious Area (Cover)** – all impermeable surfaces that cannot effectively infiltrate rainfall. This includes paved, concrete and compacted gravel surfaces (i.e. parking lots, driveways, roads, runways and sidewalks); building rooftops and miscellaneous impermeable structures such as patios, pools, and sheds.

**Infeasible** – not technologically possible, or not economically practicable and achievable considering best industry practices.

**Minimize(ing)(ation)** – reduce and/or eliminate to the extent achievable using control measures (including best management practices) that are technologically available and economically practicable and achievable in light of best industry practices.

**Municipal Separate Storm Sewer System (MS4)** - a conveyance or system of conveyances (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, man-made channels, or storm drains):

1. owned or operated by a State, city, town, village, borough, county, parish, district, association, or other public body (created by or pursuant to State law) having jurisdiction over disposal of sewage, industrial wastes, *stormwater*, or other wastes, including special districts under State law such as a sewer district, flood control district or drainage district, or similar entity, or an Indian tribe or an authorized Indian tribal organization, or a designated and approved management agency under section 208 of the CWA, that *discharges* to *surface waters of the State*; and

2. designed or used for collecting or conveying *stormwater*; and

3. which is not a *combined sewer system*; and

4. which is not part of a Publicly Owned Treatment Works (POTW) as defined at 40 CFR 122.2.

**Natural Buffer(s)** – an undisturbed area with natural cover running along a surface water (e.g. wetland, stream, river, lake, etc.).

**New Development** – any land disturbance that does not meet the definition of *Redevelopment Activity* included in this appendix.

**New York State Erosion and Sediment Control Certificate Program** – a certificate program that establishes and maintains a process to identify and recognize individuals who are capable of developing, designing, inspecting and maintaining erosion and sediment control plans on projects that disturb soils in New York State. The certificate program is administered by the New York State Conservation District Employees Association.

**Nonpoint Source(s)** – any source of water pollution or *pollutants* which is not a discrete conveyance or *point source* permitted pursuant to Title 7 or 8 of Article 17 of the Environmental Conservation Law (see ECL Section 17-1403).

**Overbank** – flow events that exceed the capacity of the stream channel and spill out into the adjacent floodplain.

**Owner or Operator** – the person, persons, or legal entity which owns or leases the property on which the *construction activity* is occurring; an entity that has operational control over the construction plans and specifications, including the ability to make modifications to the plans and specifications; and/or an entity that has day-to-day operational control of those activities at a project that are necessary to ensure compliance with the permit requirements.

**Performance Criteria** – the six performance criteria for each group of SMPs in Chapters 5 and 6 of the technical standard, New York State Stormwater Management Design Manual (DM), dated July 31, 2024. These include feasibility, conveyance, pretreatment, treatment, landscaping, and maintenance. It does not include the *Sizing Criteria* (i.e. WQv, RRv, CPv, Qp and Qf) in Part I.C.2. of the permit.

**Phase** – a defined area in which *construction activities* are occurring or will occur separate from other defined area(s).

**Point Source** – any discernible, confined, and discrete conveyance, including but not limited to any pipe, ditch, channel, tunnel, conduit, well, discrete fissure, container, rolling stock, concentrated animal feeding operation, vessel or other floating craft, or landfill leachate collection system from which *pollutants* are or may be *discharged*.

**Pollutant(s)** – dredged spoil, filter backwash, solid waste, incinerator residue, sewage, garbage, sewage sludge, munitions, chemical wastes, biological materials, radioactive materials, heat, wrecked or discarded equipment, rock, sand and industrial, municipal, agricultural waste and ballast *discharged* into water; which may cause or might reasonably be expected to cause pollution of the waters of the state in contravention of the standards or guidance values adopted as provided in 6 NYCRR Parts 700 et seq.

**Qualified Inspector** – a person that is knowledgeable in the principles and practices of erosion and sediment control, such as a licensed Professional Engineer, Certified Professional in Erosion and Sediment Control (CPESC), Registered Landscape Architect, *New York State Erosion and Sediment Control Certificate Program* holder or other NYSDEC endorsed individual(s).

It can also mean someone working under the direct supervision of, and at the same company as, the licensed Professional Engineer or Registered Landscape Architect, provided that person has training in the principles and practices of erosion and sediment control. Training in the principles and practices of erosion and sediment control means that the individual working under the direct supervision of the licensed Professional Engineer or Registered Landscape Architect has received four (4) hours of NYSDEC endorsed training in proper erosion and sediment control principles from a Soil and Water Conservation District, or other NYSDEC endorsed entity. After receiving the initial training, the individual working under the direct supervision of the licensed Professional Engineer or Registered Landscape Architect shall receive four (4) hours of training every three (3) years.

It can also mean a person that meets the *Qualified Professional* qualifications in addition to the *Qualified Inspector* qualifications.

Note: Inspections of any SMPs that include structural components, such as a dam for an impoundment, shall be performed by a licensed Professional Engineer.

**Qualified Professional** – a person that is knowledgeable in the principles and practices of *stormwater* management and treatment, such as a licensed Professional Engineer, Registered Landscape Architect or other NYSDEC endorsed individual(s). Individuals preparing *SWPPPs* that require the SMP component must have an understanding of the principles of hydrology, water quality management practice design, water quantity control design, and, in many cases, the principles of hydraulics. All components of the *SWPPP* that involve the practice of engineering, as defined by the NYS Education Law (see Article 145), shall be prepared by, or under the direct supervision of, a professional engineer licensed to practice in the State of New York.

**Redevelopment Activity(ies)** – the disturbance and reconstruction of existing *impervious area*, including *impervious areas* that were removed from a project site within five (5) years of preliminary project plan submission to the local government (i.e. site plan, subdivision, etc.).

**Renewable Energy** – electricity or thermal energy generated by renewable energy systems through use of the following technologies: solar thermal, photovoltaics, on land and offshore wind, hydroelectric, geothermal electric, geothermal ground source heat, tidal energy, wave energy, ocean thermal, and fuel cells which do not utilize a fossil fuel resource in the process of generating electricity.

**Site Limitations** – site conditions that prevent the use of an infiltration technique and or infiltration of the total WQv. Typical *site limitations* include: seasonal high groundwater, shallow depth to bedrock, and soils with an infiltration rate less than 0.5 inches/hour. The existence of *site limitations* shall be confirmed and documented using actual field testing (i.e. test pits, soil borings, and infiltration test) or using information from the most current United States Department of Agriculture (USDA) Soil Survey for the County where the project is located.

**Sizing Criteria** – the criteria included in Part I.C.2 of the permit that are used to size SMPs. The criteria include; Water Quality Volume (WQv), Runoff Reduction Volume (RRv), Channel Protection Volume (Cpv), *Overbank* Flood (Qp), and Extreme Flood (Qf).

**Steep Slope** – land area designated on the current United States Department of Agriculture (USDA) Soil Survey as Soil Slope Phase D, (provided the map unit name or description is inclusive of slopes greater than 25%), or Soil Slope Phase E or F, (regardless of the map unit name), or a combination of the three designations.

**Stormwater** – that portion of precipitation that, once having fallen to the ground, is in excess of the evaporative or infiltrative capacity of soils, or the retentive capacity of surface features, which flows or will flow off the land by surface runoff to waters of the State.

**Streambank** – the terrain alongside the bed of a creek or stream. The bank consists of the sides of the channel, between which the flow is confined.

**Stormwater Pollution Prevention Plan (SWPPP)** – a project specific report, including construction drawings, that among other things: describes the *construction activity(ies)*, identifies the potential sources of pollution at the *construction site*; describes and shows the *stormwater* controls that will be used to control the *pollutants* (i.e. erosion and sediment controls; for many projects, includes SMPs); and identifies procedures the *owner or operator* will implement to comply with the requirements of the permit. See Part III of the permit for a complete description of the information that must be included in the *SWPPP*.

**Surface Waters of the State** – shall be construed to include lakes, bays, sounds, ponds, impounding reservoirs, springs, rivers, streams, creeks, estuaries, marshes, inlets, canals, the Atlantic ocean within the territorial seas of the state of New York and all other bodies of surface water, natural or artificial, inland or coastal, fresh or salt, public or private (except those private waters that do not combine or effect a junction with natural surface waters), which are wholly or partially within or bordering the state or within its jurisdiction. Waters of the state are further defined in 6 NYCRR Parts 800 to 941.

**Temporarily Ceased** – an existing disturbed area will not be disturbed again within 14 calendar days of the previous soil disturbance.

**Temporary Stabilization** – exposed soil has been covered with material(s) as set forth in the technical standard, New York Standards and Specifications for Erosion and Sediment Control, to prevent the exposed soil from eroding. The materials can include, but are not limited to, mulch, seed and mulch, and erosion control mats (e.g. jute twisted yarn, excelsior wood fiber mats).

**Total Maximum Daily Load** (TMDL) – the sum of the allowable loads of a single *pollutant* from all contributing point and *nonpoint source*s. It is a calculation of the maximum amount of a *pollutant* that a waterbody can receive and still meet *water quality standards*, and an allocation of that amount to the *pollutant's* sources. A TMDL stipulates Waste Load Allocations (WLA) for *point source discharges*, Load Allocations (LA) for *nonpoint source*s, and a margin of safety (MOS).

**Traditional Land Use Control MS4 Operator** – a city, town, or village with land use control authority that is authorized to *discharge* under New York State DEC's SPDES General Permit For Stormwater Discharges from Municipal Separate Stormwater Sewer Systems (MS4s) or the City of New York's Individual SPDES Permit for their Municipal Separate Storm Sewer Systems (NY-0287890).

**Trained Contractor** – an employee from the contracting (construction) company, identified in Part III.A.7., that has received four (4) hours of NYSDEC endorsed training

in proper erosion and sediment control principles from a Soil and Water Conservation District, or other NYSDEC endorsed entity. After receiving the initial training, the *trained contractor* shall receive four (4) hours of training every three (3) years.

It can also mean an employee from the contracting (construction) company, identified in Part III.A.7., that meets the *qualified inspector* qualifications (e.g. licensed Professional Engineer, Certified Professional in Erosion and Sediment Control (CPESC), Registered Landscape Architect, *New York State Erosion and Sediment Control Certificate Program* holder, or someone working under the direct supervision of, and at the same company as, the licensed Professional Engineer or Registered Landscape Architect, provided they have received four (4) hours of NYSDEC endorsed training in proper erosion and sediment control principles from a Soil and Water Conservation District, or other NYSDEC endorsed entity).

The *trained contractor* is responsible for the day-to-day implementation of the *SWPPP*.

**Tree Clearing** – *construction activities* limited to felling and removal of trees.

*Tree clearing* does not include hand felling and leaving the trees in place with no support from mechanized equipment, which is not considered *construction activity* requiring coverage under this permit.

**Water Quality Standard** – such measures of purity or quality for any waters in relation to their reasonable and necessary use as promulgated in 6 NYCRR Part 700 et seq.

## APPENDIX B – Required SWPPP Components by Project Type

### Table 1
### *CONSTRUCTION ACTIVITIES* THAT REQUIRE THE PREPARATION OF A *SWPPP* THAT ONLY INCLUDES EROSION AND SEDIMENT CONTROLS

**The following *construction activities* that involve soil disturbances of one (1) or more acres of land, but less than five (5) acres:**

- Single-family home not located in one of the watersheds listed in Appendix C and not *directly discharging* to one of the 303(d) segments listed in Appendix D
- Single-family residential subdivisions with 25% or less *impervious cover* at total site build-out and not located in one of the watersheds listed in Appendix C and not *directly discharging* to one of the 303(d) segments listed in Appendix D
- Construction of a barn or other *agricultural building*, silo, stock yard or pen.
- Structural agricultural conservation practices as identified in Table II in the "Agricultural Best Management Practice Systems Catalogue" (dated June 2023) that include construction or reconstruction of *impervious area* or *alter hydrology from pre- to post-development* conditions.

**The following *construction activities* that involve soil disturbances between five thousand (5000) square feet and one (1) acre of land:**

- All construction activities located in the New York City Watershed located east of the Hudson River, see Appendix C Figure 1, that involve soil disturbances between five thousand (5,000) square feet and one (1) acre of land.

**Within the municipal boundaries of NYC:**

- Stand-alone road reconstruction, where the total soil disturbance from only that road construction, is less than one (1) acre of land.

**The following *construction activities*:**

- Installation of underground linear utilities; such as gas lines, fiber-optic cable, cable TV, electric, telephone, sewer mains, and water mains
- Environmental enhancement projects, such as wetland mitigation, *stormwater* retrofits, stream restoration, and resiliency projects that reconstruct shoreline areas to address sea level rise
- Pond construction
- Linear bike paths running through areas with vegetative cover, including bike paths surfaced with an *impervious cover*
- Cross-country ski trails, walking/hiking trails, and mountain biking trails, including a de minimis parking lot (maximum 10 spaces total, sized for passenger cars) with 35 feet minimum preservation of undisturbed area downgradient from the parking lot
- Dam rehabilitation (the structure of the dam itself)
- Sidewalks, bike paths, or walking paths, surfaced with an *impervious cover*, that are not part of residential, commercial, or institutional development;
- Sidewalks, bike paths, or walking paths, surfaced with an *impervious cover*, that include incidental shoulder or curb work along an existing highway to support construction of the sidewalk, bike path, or walking path.

## Table 1 (Continued)
## *CONSTRUCTION ACTIVITIES* THAT REQUIRE THE PREPARATION OF A *SWPPP* THAT ONLY INCLUDES EROSION AND SEDIMENT CONTROLS

**The following *construction activities*:**

- Slope stabilization
- Slope flattening that changes the grade of the site, but does not significantly change the runoff characteristics
- Spoil areas that will be covered with vegetation
- Vegetated open space (i.e. recreational parks, lawns, meadows, fields, downhill ski trails) that do not *alter hydrology from pre- to post-development* conditions
- Athletic fields (natural grass) that do not include the construction or reconstruction of *impervious area* and do not *alter hydrology from pre- to post-development* conditions
- Demolition where vegetation will be established, and no *redevelopment activity* is planned[1]
- Installation or replacement of either an overhead electric transmission line or a ski lift tower that does not include the construction of permanent access roads or parking areas surfaced with *impervious cover*.
- Solar array field areas that have tables elevated off the ground, spaced one table width apart, do not *alter hydrology from pre- to post-development conditions*, and address water quality volume and runoff reduction volume by maintaining sheet flow on slopes less than 8%.
- Structural agricultural conservation practices as identified in Table II in the "Agricultural Best Management Practice Systems Catalogue" (dated June 2023) that do not include construction or reconstruction of *impervious area* and do not *alter hydrology from pre- to post-development* conditions.
- Temporary access roads, median crossovers, detour roads, lanes, or other temporary *impervious areas* that will be restored to pre-construction conditions once the *construction activity* is complete (in this context, "temporary" means the *impervious area* will be in place for two years or less)
- Other *construction activities* that do not include the construction or reconstruction of *impervious area*, and do not *alter hydrology from pre- to post-development* conditions, and are not listed in Table 2.

1. If the site is redeveloped in the future, a new eNOI must be submitted.

## Table 2
## *CONSTRUCTION ACTIVITIES* THAT REQUIRE THE PREPARATION OF A *SWPPP* THAT INCLUDES POST-CONSTRUCTION STORMWATER MANAGEMENT PRACTICES (SMPS)

**The following *construction activities*:**

- Single-family home located in one of the watersheds listed in Appendix C or *directly discharging* to one of the 303(d) segments listed in Appendix D
- Single-family home that disturbs five (5) or more acres of land
- Single-family residential subdivisions located in one of the watersheds listed in Appendix C or *directly discharging* to one of the 303(d) segments listed in Appendix D
- Single-family residential subdivisions that involve soil disturbances of between one (1) and five (5) acres of land with greater than 25% *impervious cover* at total site build-out
- Single-family residential subdivisions that involve soil disturbances of between 20,000 square feet and one (1) acre of land within the municipal boundaries of NYC with greater than 25% *impervious cover* at total site build-out
- Single-family residential subdivisions that involve soil disturbances of five (5) or more acres of land, and single-family residential subdivisions that involve soil disturbances of less than five (5) acres that are part of a *common plan of development or sale* that will ultimately disturb five (5) or more acres of land
- Multi-family residential developments; includes duplexes, townhomes, condominiums, senior housing complexes, apartment complexes, and mobile home parks
- Creation of 5,000 square feet or more of *impervious area* in the municipal boundaries of NYC
- Airports
- Amusement parks
- Breweries, cideries, and wineries, including establishments constructed on agricultural land
- Campgrounds
- Cemeteries that include the construction or reconstruction of *impervious area* (>5% of disturbed area) or *alter the hydrology from pre- to post-development* conditions
- Commercial developments
- Churches and other places of worship
- Construction of a barn or other *agricultural building* (e.g. silo) that involves soil disturbance greater than five acres.
- Structural agricultural conservation practices as identified in Table II in the “Agricultural Best Management Practice Systems Catalogue” (dated June 2023) that involves soil disturbance greater than five acres and include the construction or reconstruction of *impervious area* or *alter hydrology from pre- to post-development* conditions.
- Facility buildings, including ski lodges, restroom buildings, pumphouses, ski lift terminals, and maintenance and groomer garages
- Institutional development; includes hospitals, prisons, schools and colleges
- Industrial facilities; includes industrial parks
- Landfills; including creation of landfills or capping landfills.
- Municipal facilities; includes highway garages, transfer stations, office buildings, POTWs, water treatment plants, and water storage tanks
- Golf courses
- Office complexes

## Table 2 (Continued)

### *CONSTRUCTION ACTIVITIES* THAT REQUIRE THE PREPARATION OF A *SWPPP* THAT INCLUDES POST-CONSTRUCTION STORMWATER MANAGEMENT PRACTICES (SMPS)

**The following *construction activities*:**

- Permanent laydown yards and equipment storage lots
- Playgrounds that include the construction or reconstruction of *impervious area*
- Sports complexes
- Racetracks; includes racetracks with earthen (dirt) surfaces
- Road construction or reconstruction, outside the municipal boundaries of NYC
- Road construction within the municipal boundaries of NYC
- Stand-alone road reconstruction, within the municipal boundaries of NYC where the total soil disturbance from that road reconstruction involves soil disturbance of one (1) acre or more of land
- Parking lot construction or reconstruction (as with all Table 2 bullets, this includes parking lots constructed as part of the *construction activities* listed in Table 1, unless a Table 1 bullet specifies otherwise)
- Athletic fields (natural grass) that include the construction or reconstruction of *impervious area* (>5% of disturbed area) or *alter the hydrology from pre- to post-development* conditions
- Athletic fields with artificial turf
- Permanent access roads, parking areas, substations, compressor stations, and well drilling pads, surfaced with *impervious cover,* and constructed as part of an overhead electric transmission line, wind-power, cell tower, oil or gas well drilling, sewer or water main, ski lift, or other linear utility project
- Sidewalks, bike paths, or walking paths, surfaced with an *impervious cover*, that are part of a residential, commercial or institutional development
- Sidewalks, bike paths, or walking paths, surfaced with an *impervious cover*, that are part of highway construction or reconstruction
- Solar array field areas on slopes greater than 8% that cannot maintain sheet flow using management practices identified in the BB or the DM
- Solar array field areas on slopes less than 8% that will *alter the hydrology from pre- to post-development* conditions
- Solar array field areas with tables that are not elevated high enough to achieve *final stabilization* beneath the tables
- Traditional *impervious areas* associated with solar development (e.g. roads, buildings, transformers)
- Utility pads surfaced with *impervious cover*, including electric vehicle charging stations
- All other *construction activities* that include the construction or reconstruction of *impervious area* or *alter the hydrology from pre- to post-development* conditions, and are not listed in Table 1

## APPENDIX C – Watersheds Requiring Enhanced Phosphorus Removal

**Watersheds where *owners or operators* of *construction activities* identified in Table 2 of Appendix B must prepare a *SWPPP* that includes SMPs designed in conformance with the Enhanced Phosphorus Removal Standards included in the DM technical standard.**

- Entire New York City Watershed located east of the Hudson River – Figure 1
- Onondaga Lake Watershed – Figure 2
- Greenwood Lake Watershed – Figure 3
- Oscawana Lake Watershed – Figure 4
- Kinderhook Lake Watershed – Figure 5

**Figure 1 - New York City Watershed East of the Hudson**

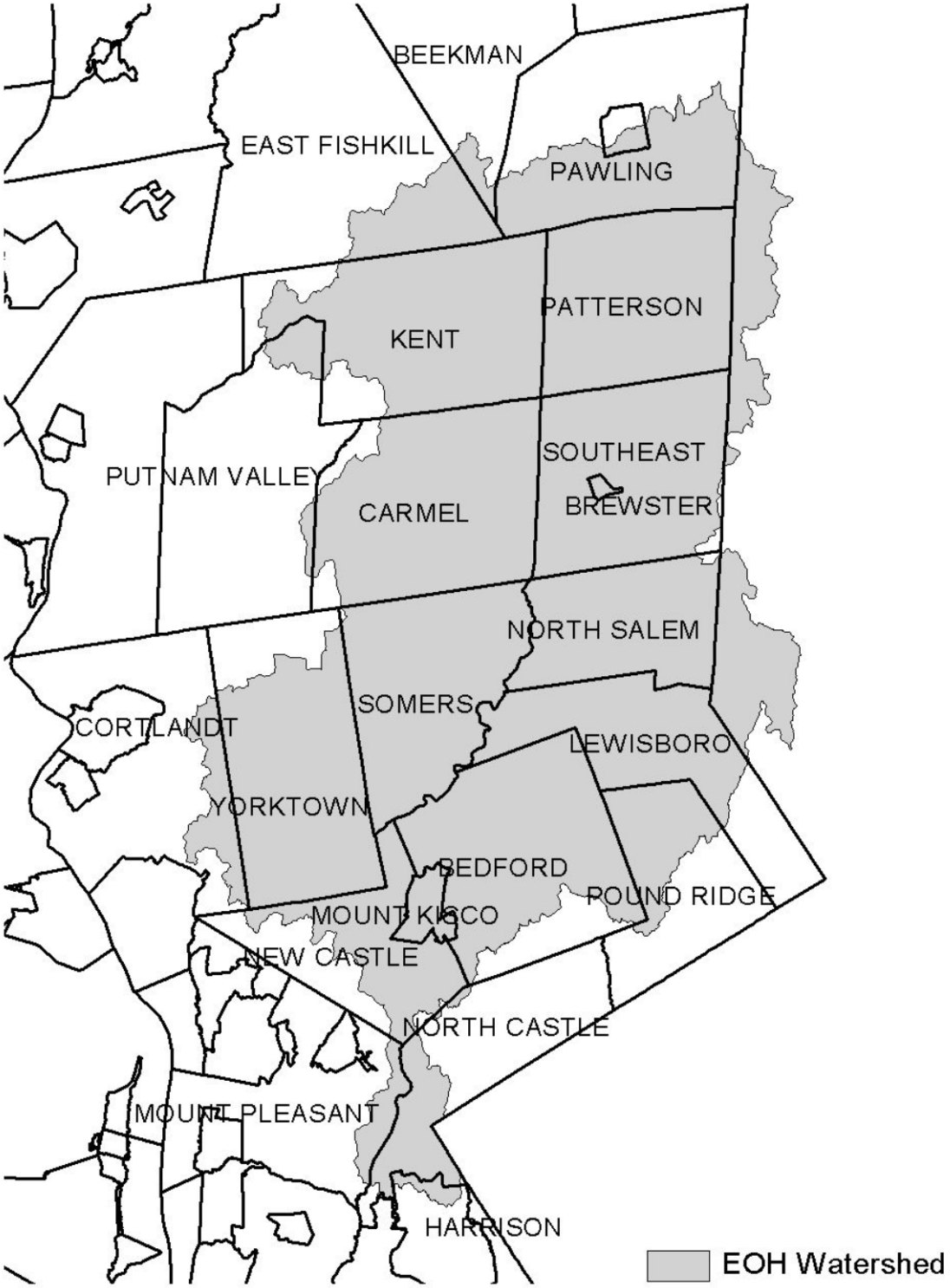


**Figure 2 - Onondaga Lake Watershed**

**Figure 3 - Greenwood Lake Watershed**

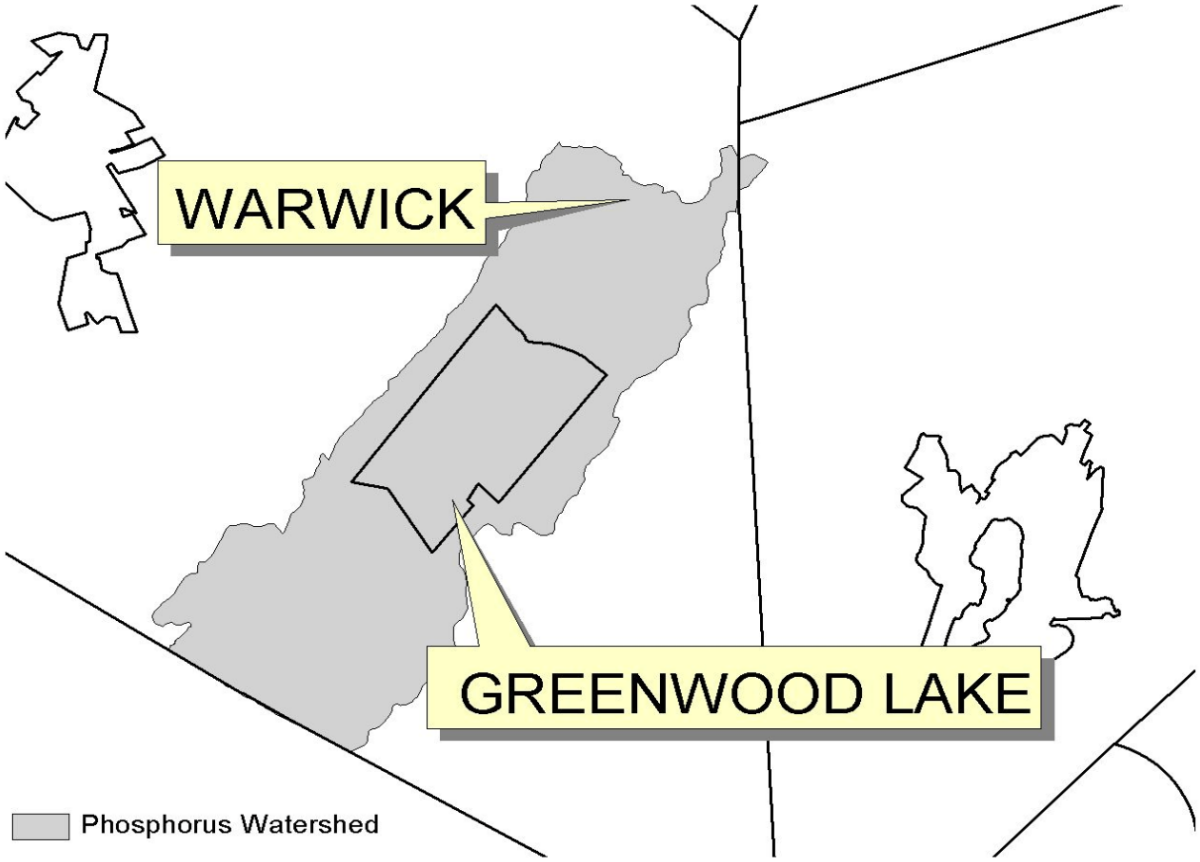


**Figure 4 - Oscawana Lake Watershed**

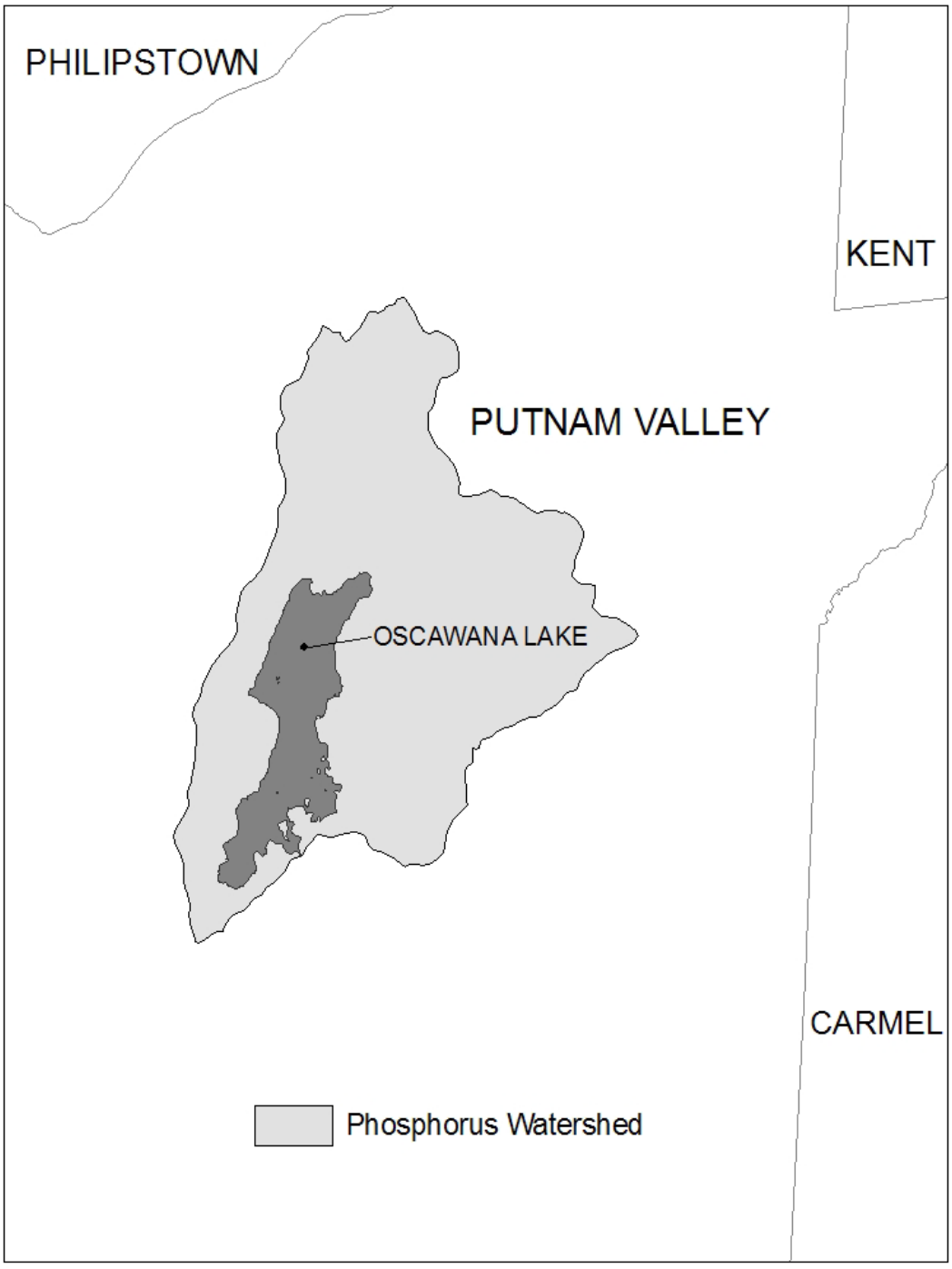
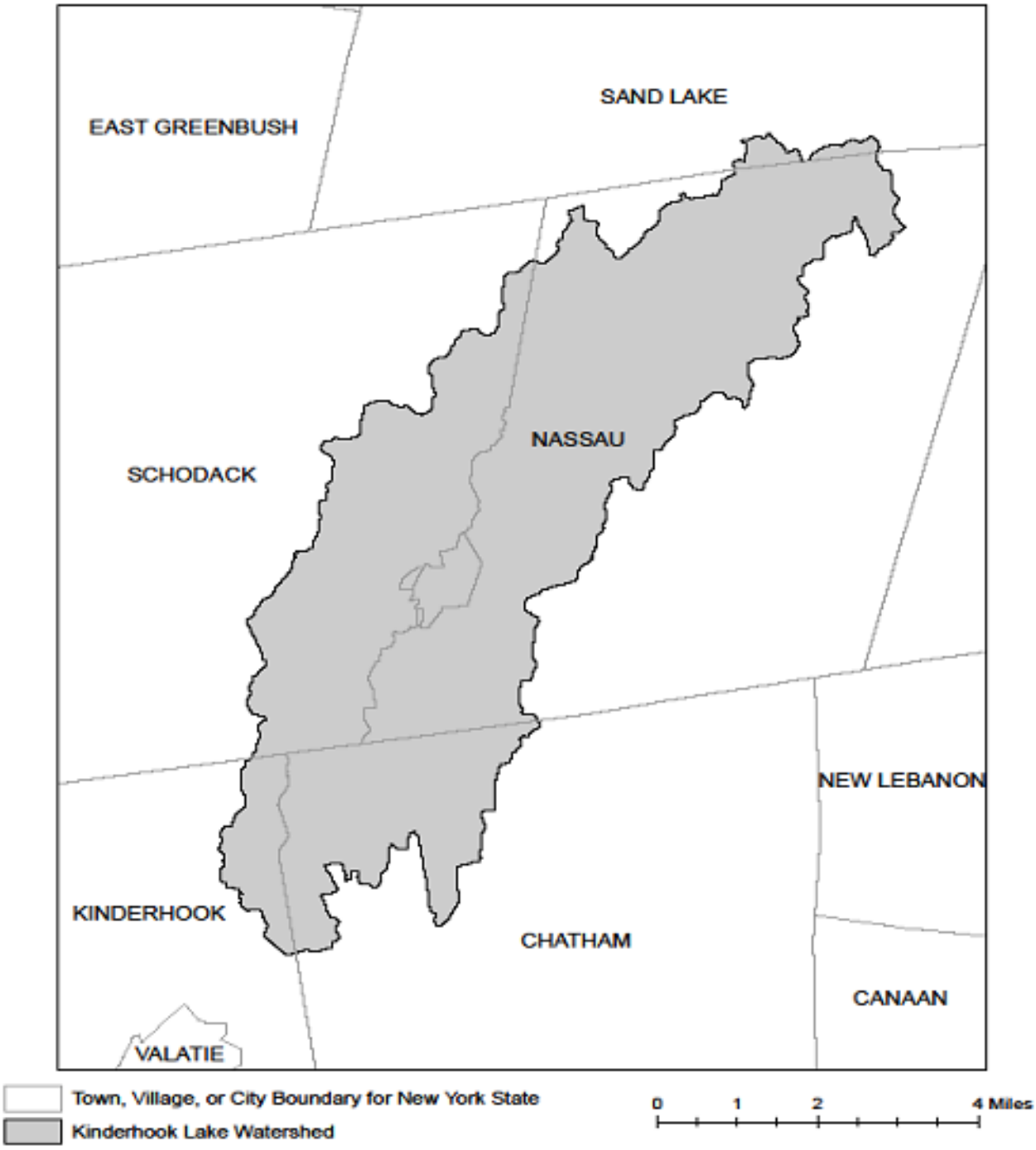


**Figure 5 - Kinderhook Lake Watershed**



## APPENDIX D – Impaired Waterbodies (by Construction Related Pollutants)

List of waterbodies impaired by *pollutants* related to *construction activity*, including turbidity, silt/sediment, and nutrients (e.g. nitrogen, phosphorus). This list is a subset of "The Final New York State 2018 Section 303(d) List of Impaired Waters Requiring a TMDL" dated June 2020.

| County | Waterbody | Pollutant |
|---|---|---|
| Albany | Ann Lee (Shakers) Pond, Stump Pond (1201-0096) | Phosphorus |
| Albany | Lawsons Lake (1301-0235) | Phosphorus |
| Allegany | Amity Lake, Saunders Pond (0403-0054) | Phosphorus |
| Allegany | Andover Pond (0403-0056) | Phosphorus |
| Bronx | Reservoir No.1/Lake Isle (1702-0075) | Phosphorus |
| Bronx | Van Cortlandt Lake (1702-0008) | Phosphorus |
| Broome | Blueberry, Laurel Lakes (1404-0033) | Phosphorus |
| Broome | Fly Pond, Deer Lake (1404-0038) | Phosphorus |
| Broome | Minor Tribs to Lower Susquehanna (0603-0044) | Phosphorus |
| Broome | Whitney Point Lake/Reservoir (0602-0004) | Phosphorus |
| Cattaraugus | Allegheny River/Reservoir (0201-0023) | Phosphorus |
| Cattaraugus | Beaver Lake/Alma Pond (0201-0073) | Phosphorus |
| Cattaraugus | Case Lake (0201-0020) | Phosphorus |
| Cattaraugus | Linlyco/Club Pond (0201-0035) | Phosphorus |
| Cayuga | Duck Lake (0704-0025) | Phosphorus |
| Cayuga | Owasco Inlet, Upper, and tribs (0706-0014) | Nutrients |
| Chautauqua | Chadakoin River and tribs (0202-0018) | Phosphorus |
| Chautauqua | Hulburt/Clymer Pond (0202-0079) | Phosphorus |
| Chautauqua | Middle Cassadaga Lake (0202-0002) | Phosphorus |
| Clinton | Great Chazy River, Lower, Main Stem (1002-0001) | Silt/Sediment |
| Columbia | Robinson Pond (1308-0003) | Phosphorus |
| Cortland | Dean Pond (0602-0077) | Phosphorus |
| Dutchess | Fallkill Creek (1301-0087) | Phosphorus |
| Dutchess | Hillside Lake (1304-0001) | Phosphorus |
| Dutchess | Wappingers Lake (1305-0001) | Phosphorus |
| Dutchess | Wappingers Lake (1305-0001) | Silt/Sediment |
| Erie | Beeman Creek and tribs (0102-0030) | Phosphorus |
| Erie | Delaware Park Pond (0101-0026) | Phosphorus |
| Erie | Ellicott Creek, Lower, and tribs (0102-0018) | Phosphorus |
| Erie | Ellicott Creek, Lower, and tribs (0102-0018) | Silt/Sediment |
| Erie | Green Lake (0101-0038) | Phosphorus |
| Erie | Little Sister Creek, Lower, and tribs (0104-0045) | Phosphorus |
| Erie | Murder Creek, Lower, and tribs (0102-0031) | Phosphorus |

| | | |
|---|---|---|
| Erie | Rush Creek and tribs (0104-0018) | Phosphorus |
| Erie | Scajaquada Creek, Lower, and tribs (0101-0023) | Phosphorus |
| Erie | Scajaquada Creek, Middle, and tribs (0101-0033) | Phosphorus |
| Erie | Scajaquada Creek, Upper, and tribs (0101-0034) | Phosphorus |
| Erie | South Branch Smoke Cr, Lower, and tribs (0101-0036) | Phosphorus |
| Erie | South Branch Smoke Cr, Lower, and tribs (0101-0036) | Silt/Sediment |
| Genesee | Bigelow Creek and tribs (0402-0016) | Phosphorus |
| Genesee | Black Creek, Middle, and minor tribs (0402 0028) | Phosphorus |
| Genesee | Black Creek, Upper, and minor tribs (0402-0048) | Phosphorus |
| Genesee | Bowen Brook and tribs (0102-0036) | Phosphorus |
| Genesee | LeRoy Reservoir (0402-0003) | Phosphorus |
| Genesee | Mill Pond (0402-0050) | Phosphorus |
| Genesee | Oak Orchard Cr, Upper, and tribs (0301-0014) | Phosphorus |
| Genesee | Oatka Creek, Middle, and minor tribs (0402-0031) | Phosphorus |
| Genessee | Tonawanda Cr, Middle, Main Stem (0102-0002) | Phosphorus |
| Greene | Schoharie Reservoir (1202-0012) | Silt/Sediment |
| Greene | Sleepy Hollow Lake (1301-0059) | Silt/Sediment |
| Herkimer | Steele Creek tribs (1201-0197) | Phosphorus |
| Herkimer | Steele Creek tribs (1201-0197) | Silt/Sediment |
| Kings | Hendrix Creek (1701-0006) 18 | Nitrogen |
| Kings | Prospect Park Lake (1701-0196) | Phosphorus |
| Lewis | Mill Creek/South Branch, and tribs (0801-0200) | Nutrients |
| Livingston | Christie Creek and tribs (0402-0060) | Phosphorus |
| Livingston | Conesus Lake (0402-0004) | Phosphorus |
| Livingston | Mill Creek and minor tribs (0404-0011) | Silt/Sediment |
| Monroe | Black Creek, Lower, and minor tribs (0402-0033) | Phosphorus |
| Monroe | Buck Pond (0301-0017) | Phosphorus |
| Monroe | Cranberry Pond (0301-0016) | Phosphorus |
| Monroe | Durand, Eastman Lakes (0302-0037) | Phosphorus |
| Monroe | Lake Ontario Shoreline, Western (0301-0069) 9 | Phosphorus |
| Monroe | Long Pond (0301-0015) | Phosphorus |
| Monroe | Mill Creek and tribs (0302-0025) | Phosphorus 2 |
| Monroe | Mill Creek/Blue Pond Outlet and tribs (0402-0049) | Phosphorus |
| Monroe | Minor Tribs to Irondequoit Bay (0302-0038) | Phosphorus |
| Monroe | Rochester Embayment - East (0302-0002) [9] | Phosphorus |
| Monroe | Rochester Embayment - West (0301-0068) 9 | Phosphorus |
| Monroe | Shipbuilders Creek and tribs (0302-0026) | Phosphorus 2 |
| Monroe | Thomas Creek/White Brook and tribs (0302-0023) | Phosphorus |

| | | |
|---|---|---|
| Nassau | Bannister Creek/Bay (1701-0380) | Nitrogen |
| Nassau | Beaver Lake (1702-0152) | Phosphorus |
| Nassau | Browswere Bay (1701-0383) | Nitrogen |
| Nassau | Camaans Pond (1701-0052) | Phosphorus |
| Nassau | East Meadow Brook, Upper, and tribs (1701-0211) | Silt/Sediment |
| Nassau | East Rockaway Channel (1701-0381) | Nitrogen |
| Nassau | Glen Cove Creek, Lower, and tribs (1702-0146) | Silt/Sediment |
| Nassau | Grant Park Pond (1701-0054) | Phosphorus |
| Nassau | Hempstead Bay, Broad Channel (1701-0032) | Nitrogen |
| Nassau | Hempstead Lake (1701-0015) | Phosphorus |
| Nassau | Hewlett Bay (1701-0382) | Nitrogen |
| Nassau | Hog Island Channel (1701-0220) | Nitrogen |
| Nassau | Massapequa Creek, Upper, and tribs (1701-0174) | Phosphorus |
| Nassau | Milburn/Parsonage Creeks, Upp, and tribs (1701-0212) | Phosphorus |
| Nassau | Reynolds Channel, East (1701-0215) [12] | Nitrogen |
| Nassau | Reynolds Channel, West (1701-0216) 12 | Nitrogen |
| Nassau | Tidal Tribs to Hempstead Bay (1701-0218) | Nitrogen |
| Nassau | Tribs (fresh) to East Bay (1701-0204) | Silt/Sediment |
| Nassau | Tribs (fresh) to East Bay (1701-0204) | Phosphorus |
| Nassau | Tribs to Smith Pond/Halls Pond (1701-0221) | Phosphorus |
| Nassau | Woodmere Channel (1701-0219) | Nitrogen |
| New York | Harlem Meer (1702-0103) | Phosphorus |
| New York | The Lake in Central Park (1702-0105) | Phosphorus |
| Niagara | Bergholtz Creek and tribs (0101-0004) | Phosphorus |
| Niagara | Hyde Park Lake (0101-0030) | Phosphorus |
| Niagara | Lake Ontario Shoreline, Western (0301-0053) 9 | Phosphorus |
| Niagara | Lake Ontario Shoreline, Western (0301-0072) 9 | Phosphorus |
| Oneida | Ballou, Nail Creeks (1201-0203) | Phosphorus |
| Onondaga | Ley Creek and tribs (0702-0001) 10 | Nutrients (phosphorus) |
| Onondaga | Minor Tribs to Onondaga Lake (0702-0022) 10 | Nutrients (phosphorus) |
| Onondaga | Minor Tribs to Onondaga Lake (0702-0022) 10 | Nitrogen (NH3, NO2) |
| Onondaga | Onondaga Creek, Lower (0702-0023) 10 | Nutrients (phosphorus) |
| Onondaga | Onondaga Creek, Lower, and tribs (0702-0023) | Turbidity |
| Onondaga | Onondaga Creek, Middle, and tribs (0702-0004) | Turbidity |
| Onondaga | Onondaga Creek, Upper, and tribs (0702-0024) | Turbidity |
| Ontario | Great Brook and minor tribs (0704-0034) | Phosphorus 2 |
| Ontario | Great Brook and minor tribs (0704-0034) | Silt/Sediment |

| | | |
|---|---|---|
| Ontario | Hemlock Lake Outlet and minor tribs (0402-0013) | Phosphorus |
| Ontario | Honeoye Lake (0402-0032) | Phosphorus |
| Orange | Brown Pond Reservoir (1303-0013) | Phosphorus |
| Orange | Lake Washington (1303-0012) | Phosphorus |
| Orange | Minor Tribs to Middle Wallkill (1306-0061) | Phosphorus |
| Orange | Monhagen Brook and tribs (1306-0074) | Phosphorus |
| Orange | Orange Lake (1301-0008) [16] | Phosphorus |
| Orange | Quaker Creek and tribs (1306-0025) | Phosphorus |
| Orange | Wallkill River, Middle, Main Stem (1306-0038) | Phosphorus |
| Orange | Wallkill River, Upper, and Minor tribs (1306-0017) | Phosphorus |
| Orleans | Glenvwood Lake (0301-0041) | Phosphorus |
| Orleans | Lake Ontario Shoreline, Western (0301-0070) 9 | Phosphorus |
| Orleans | Lake Ontario Shoreline, Western (0301-0071) 9 | Phosphorus |
| Oswego | Lake Neatahwanta (0701-0018) | Nutrients (phosphorus) |
| Oswego | Pleasant Lake (0703-0047) | Phosphorus |
| Putnam | Lost Lake, Putnam Lake (1302-0053) | Phosphorus |
| Putnam | Minor Tribs to Croton Falls Reservoir (1302-0001) | Phosphorus |
| Queens | Bergen Basin (1701-0009) 18 | Nitrogen |
| Queens | Jamaica Bay, Eastern, and tribs, Queens (1701-0005) 18 | Nitrogen |
| Queens | Kissena Lake (1702-0258) | Phosphorus |
| Queens | Meadow Lake (1702-0030) | Phosphorus |
| Queens | Shellbank Basin (1701-0001) 18 | Nitrogen |
| Queens | Willow Lake (1702-0031) | Phosphorus |
| Rensselaer | Nassau Lake (1310-0001) | Phosphorus |
| Rensselaer | Snyders Lake (1301-0043) | Phosphorus |
| Richmond | Grassmere Lake/Bradys Pond (1701-0357) | Phosphorus |
| Rockland | Congers Lake, Swartout Lake (1501-0019) | Phosphorus |
| Rockland | Rockland Lake (1501-0021) | Phosphorus |
| Saratoga | Ballston Lake (1101-0036) | Phosphorus |
| Saratoga | Dwaas Kill and tribs (1101-0007) | Phosphorus |
| Saratoga | Dwaas Kill and tribs (1101-0007) | Silt/Sediment |
| Saratoga | Lake Lonely (1101-0034) | Phosphorus |
| Saratoga | Round Lake (1101-0060) | Phosphorus |
| Saratoga | Tribs to Lake Lonely (1101-0001) | Phosphorus |
| Schenectady | Collins Lake (1201-0077) | Phosphorus |
| Schenectady | Duane Lake (1311-0006) | Phosphorus |
| Schenectady Lake | Mariaville Lake (1201-0113) | Phosphorus |
| Schuyler | Cayuta Lake (0603-0005) | Phosphorus |

| | | |
|---|---|---|
| Seneca | Reeder Creek and tribs (0705-0074) | Phosphorus |
| St.Lawrence | Black Lake Outlet, Black Lake (0906-0001) | Phosphorus |
| St.Lawrence | Fish Creek and minor tribs (0906-0026) | Phosphorus |
| Steuben | Smith Pond (0502-0012) | Phosphorus |
| Suffolk | Agawam Lake (1701-0117) | Phosphorus |
| Suffolk | Big/Little Fresh Ponds (1701-0125) | Phosphorus |
| Suffolk | Canaan Lake (1701-0018) | Phosphorus |
| Suffolk | Canaan Lake (1701-0018) | Silt/Sediment |
| Suffolk | Fresh Pond (1701-0241) | Phosphorus |
| Suffolk | Great South Bay, East (1701-0039) | Nitrogen |
| Suffolk | Great South Bay, Middle (1701-0040) | Nitrogen |
| Suffolk | Great South Bay, West (1701-0173) | Nitrogen |
| Suffolk | Lake Ronkonkoma (1701-0020) | Phosphorus |
| Suffolk | Mattituck/Marratooka Pond (1701-0129) | Phosphorus |
| Suffolk | Mill and Seven Ponds (1701-0113) | Phosphorus |
| Suffolk | Millers Pond (1702-0013) | Phosphorus |
| Suffolk | Moriches Bay, East (1701-0305) | Nitrogen |
| Suffolk | Moriches Bay, West (1701-0038) | Nitrogen |
| Suffolk | Quantuck Bay (1701-0042) | Nitrogen |
| Suffolk | Shinnecock Bay and Inlet (1701-0033) | Nitrogen |
| Suffolk | Tidal Tribs to West Moriches Bay (1701-0312) | Nitrogen |
| Sullivan | Bodine, Mongomery Lakes (1401-0091) | Phosphorus |
| Sullivan | Davies Lake (1402-0047) | Phosphorus |
| Sullivan | Evens Lake (1402-0004) | Phosphorus |
| Sullivan | Pleasure Lake (1402-0055) | Phosphorus |
| Sullivan | Swan Lake (1401-0063) | Phosphorus |
| Tompkins | Cayuga Lake, Southern End (0705-0040) | Phosphorus |
| Tompkins | Cayuga Lake, Southern End (0705-0040) | Silt/Sediment |
| Ulster | Ashokan Reservoir (1307-0004) | Silt/Sediment |
| Ulster | Esopus Creek, Lower, Main Stem (1307-0010) [17] | Turbidity |
| Ulster | Esopus Creek, Middle, Main Stem (1307-0003) 17 | Turbidity |
| Ulster | Esopus Creek, Upper, and minor tribs (1307-0007)[3] | Silt/Sediment |
| Ulster | Wallkill River, Lower, Main Stem (1306-0027) | Phosphorus |
| Warren | Hague Brook and tribs (1006-0006) | Silt/Sediment |
| Warren | Huddle/Finkle Brooks and tribs (1006-0003) | Silt/Sediment |
| Warren | Indian Brook and tribs (1006-0002) | Silt/Sediment |
| Warren | Lake George (1006-0016) and tribs | Silt/Sediment |
| Warren | Tribs to Lake George, East Shore (1006-0020) | Silt/Sediment |
| Warren | Tribs to Lake George, Lk.George Village (1006-0008) | Silt/Sediment |

| | | |
|---|---|---|
| Washington | Wood Cr/Champlain Canal and tribs (1005-0036) | Phosphorus |
| Westchester | Lake Katonah (1302-0136) | Phosphorus |
| Westchester | Lake Lincolndale (1302-0089) | Phosphorus |
| Westchester | Lake Meahagh (1301-0053) | Phosphorus |
| Westchester | Lake Mohegan (1301-0149) | Phosphorus |
| Westchester | Lake Shenorock (1302-0083) | Phosphorus |
| Westchester | Mamaroneck River, Lower (1702-0071) | Silt/Sediment |
| Westchester | Mamaroneck River, Upp, & minor tribs (1702-0123) | Silt/Sediment |
| Westchester | Saw Mill River (1301-0007) | Phosphorus |
| Westchester | Saw Mill River, Middle, and tribs (1301-0100) | Phosphorus |
| Westchester | Sheldrake River (1702-0069) | Phosphorus |
| Westchester | Sheldrake River (1702-0069) | Silt/Sedimnt |
| Westchester | Silver Lake (1702-0040) | Phosphorus |
| Westchester | Teatown Lake (1302-0150) | Phosphorus |
| Westchester | Truesdale Lake (1302-0054) | Phosphorus |
| Westchester | Wallace Pond (1301-0140) | Phosphorus |

## APPENDIX E – List of NYSDEC Regional Offices

| Region | Covering the following counties: | DIVISION OF ENVIRONMENTAL PERMITS (DEP) Permit Administrators | DIVISION OF WATER (DOW) Water (SPDES) Program |
|---|---|---|---|
| 1 | Nassau and Suffolk | 50 Circle Road<br>Stony Brook, NY 11790<br>Tel. (631) 444-0365 | 50 Circle Road<br>Stony Brook, NY 11790-3409<br>Tel. (631) 444-0405 |
| 2 | Bronx, Kings, New York, Queens and Richmond | 1 Hunters Point Plaza,<br>47-40 21st St.<br>Long Island City, NY 11101-5407<br>Tel. (718) 482-4997 | 1 Hunters Point Plaza,<br>47-40 21st St.<br>Long Island City, NY 11101-5407<br>Tel. (718) 482-4933 |
| 3 | Dutchess, Orange, Putnam, Rockland, Sullivan, Ulster and Westchester | 21 South Putt Corners Road<br>New Paltz, NY 12561-1696<br>Tel. (845) 256-3059 | 220 White Plains Road, Suite 110<br>Tel. (914) 428 - 2505 |
| 4 | Albany, Columbia, Delaware, Greene, Montgomery, Otsego, Rensselaer, Schenectady and Schoharie | 1130 North Westcott Road<br>Schenectady, NY 12306-2014<br>Tel. (518) 357-2069 | 1130 North Westcott Road<br>Schenectady, NY 12306-2014<br>Tel. (518) 357-2045 |
| 5 | Clinton, Essex, Franklin, Fulton, Hamilton, Saratoga, Warren and Washington | 1115 State Route 86, Po Box 296<br>Ray Brook, NY 12977-0296<br>Tel. (518) 897-1234 | 232 Golf Course Road<br>Warrensburg, NY 12885-1172<br>Tel. (518) 623-1200 |
| 6 | HERKIMER, JEFFERSON, LEWIS, ONEIDA AND ST. LAWRENCE | STATE OFFICE BUILDING<br>317 WASHINGTON STREET<br>WATERTOWN, NY 13601-3787<br>TEL. (315) 785-2245 | STATE OFFICE BUILDING<br>207 GENESEE STREET<br>UTICA, NY 13501-2885<br>TEL. (315) 793-2554 |
| 7 | BROOME, CAYUGA, CHENANGO, CORTLAND, MADISON, ONONDAGA, OSWEGO, TIOGA AND TOMPKINS | 5786 WIDEWATERS PARKWAY<br>SYRACUSE, NY 13214-1867<br>TEL. (315) 426-7438 | 5786 WIDEWATERS PARKWAY<br>SYRACUSE, NY 13214-1867<br>TEL. (315) 426-7500 |
| 8 | CHEMUNG, GENESEE, LIVINGSTON, MONROE, ONTARIO, ORLEANS, SCHUYLER, SENECA, STEUBEN, WAYNE AND YATES | 6274 EAST AVON-LIMA<br>ROADAVON, NY 14414-9519<br>TEL. (585) 226-2466 | 6274 EAST AVON-LIMA RD.<br>AVON, NY 14414-9519<br>TEL. (585) 226-2466 |
| 9 | ALLEGANY, CATTARAUGUS, CHAUTAUQUA, ERIE, NIAGARA AND WYOMING | 700 DELAWARE AVENUE<br>BUFFALO, NY 14209-2999<br>TEL. (716) 851-7165 | 700 DELAWARE AVENUE<br>BUFFALO, NY 14209-2999<br>TEL. (716) 851-7070 |

## APPENDIX F – SWPPP Preparer Certification Form

The SWPPP Preparer Certification Form required by this permit begins on the following page.

# SWPPP Preparer Certification Form

**SPDES General Permit for Stormwater Discharges from Construction Activity, GP-0-25-001 (CGP)**

(In accordance with CGP Part I.D.2.b., the completed form must be attached to the eNOI and submitted to NYSDEC electronically.)

**Project/Site Name:**

**eNOI Submission ID:**

**Owner/Operator Name:**

## Certification Statement – SWPPP Preparer

I hereby certify that the Stormwater Pollution Prevention Plan (SWPPP) has been prepared in accordance with the requirements of GP-0-25-001. I certify under penalty of law that the SWPPP and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

SWPPP Preparer First Name | MI | SWPPP Preparer Last Name

Signature | Date

Revised: January 2025

## APPENDIX G – MS4 SWPPP Acceptance Form

The MS4 SWPPP Acceptance Form required by this permit begins on the following page.

# MS4 SWPPP Acceptance Form

for construction activities seeking authorization under the

**SPDES General Permit for Stormwater Discharges from Construction Activity, GP-0-25-001 (CGP)**

(In accordance with CGP Part I.D.2.b., the completed form must be attached to the eNOI and submitted to NYSDEC electronically.)

| |
|---|
| **I. Project Owner/Operator Information** |
| 1. Owner/Operator Name: |
| 2. Contact Person: |
| 3. Street Address: |
| 4. City/State/Zip: |
| **II. Project Site Information** |
| 5. Project/Site Name: |
| 6. Street Address: |
| 7. City/State/Zip: |
| **III. Stormwater Pollution Prevention Plan (SWPPP) Review and Acceptance Information** |
| 8. SWPPP Reviewed by: |
| 9. Title/Position: |
| 10. Date Final SWPPP Reviewed and Accepted: |
| **IV. Regulated MS4 Information** |
| 11. Name of MS4 Operator: |
| 12. MS4 SPDES Permit Identification Number: NYR20A |
| 13. Street Address: |
| 14. City/State/Zip: |
| 15. Telephone Number: |
| |

## MS4 SWPPP Acceptance Form - continued

**V. Certification Statement - MS4 Official (principal executive officer or ranking elected official) or Duly Authorized Representative**

I hereby certify that the final Stormwater Pollution Prevention Plan (SWPPP) for the construction project identified in section II. of this form has been reviewed and meets the substantive requirements in the SPDES General Permit for Stormwater Discharges from Construction Activity, GP-0-25-001 (CGP). Note: The MS4 Operator, through the acceptance of the SWPPP, assumes no responsibility for the accuracy and adequacy of the design included in the SWPPP. In addition, review and acceptance of the SWPPP by the MS4 Operator does not relieve the owner/operator or their SWPPP preparer of responsibility or liability for errors or omissions in the plan.

Printed Name[1]:

Title/Position:

Signature:

Date:

**VI. Additional Information**

[1] Printed name of the principal executive officer or ranking elected official for the MS4 Operator or their duly authorized representative in accordance with CGP Part VII.J.2.

(NYSDEC - MS4 SWPPP Acceptance Form - January 2025)

## APPENDIX H – NYCDEP SWPPP Acceptance/Approval Form

The City of New York Department of Environmental Protection (NYCDEP) SWPPP Acceptance/Approval form required by this permit begins on the following page.

THE CITY OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL PROTECTION
Bureau of Environmental Planning and Analysis
*59-17 Junction Blvd., 9th Floor; Flushing, NY 11373*

# SWPPP Acceptance/Approval

Application Number:

## I. Project Owner/Operator Information

1. Owner/Operator Name:
2. Contact Person:
3. Street Address:
4. City/State/Zip:

## II. Project Site Information

5. Project/Site Name:
6. Street Address:
7. City/State/Zip:

## III. Stormwater Pollution Prevention Plan (SWPPP) Review and Acceptance/Approval

8. SWPPP Reviewed by:
9. Title/Position: /
10. Date Final SWPPP Reviewed and Accepted:
11. Acceptance/Approval Expiration Date:

## IV. Regulated MS4 Information for projects that require coverage under the NY State Pollution Discharge Elimination System General Permit for Stormwater Discharges from Construction Activity

12. Name of MS4: *CITY OF NEW YORK*
13. MS4 SPDES Permit Identification Number: *NY-0287890*
14. Contact Person:
15. Street Address: *59-17 Junction Blvd. 9th Floor*
16. City/State/Zip: *Flushing, NY 11373*
17. Telephone Number:

Projects in the MS4 area must submit a copy of this SWPPP Acceptance with a Notice of Intent for coverage under the NY SPDES General Permit for Stormwater Discharges from Construction Activity to: NYS Department of Environmental Conservation, Division of Water; 625 Broadway, 4th Floor; Albany, New York 12233-3505.

## V. Certification Statement - MS4 Official (principal executive officer or ranking elected official) or Duly Authorized Representative

I hereby certify that the final Stormwater Pollution Prevention Plan (SWPPP) for the construction project identified in question 5 has been reviewed and meets the substantive requirements in the SPDES General Permit For Stormwater Discharges from Municipal Separate Storm Sewer Systems (MS4s).

Note: The MS4, through the acceptance of the SWPPP, assumes no responsibility for the accuracy and adequacy of the design included in the SWPPP. In addition, review and acceptance of the SWPPP by the MS4 does not relieve the owner/operator or their SWPPP preparer of responsibility or liability for errors or omissions in the plan.

Printed Name:

Title/Position:

Signature:

Date:

## VI. Conditions of Acceptance/Approval and Additional Information

Projects in the MS4 area must submit a copy of this SWPPP Acceptance with a Notice of Intent for coverage under the NY SPDES General Permit for Stormwater Discharges from Construction Activity to: NYS Department of Environmental Conservation, Division of Water; 625 Broadway, 4th Floor; Albany, New York 12233-3505.

## APPENDIX I – MS4 No Jurisdiction Form

The MS4 No Jurisdiction Form required by this permit begins on the following page.

# MS4 No Jurisdiction Form

for construction activities seeking authorization under the

**SPDES General Permit for Stormwater Discharges from Construction Activity, GP-0-25-001 (CGP)**

(In accordance with CGP Part I.D.2.b., the completed form must be attached to the eNOI and submitted to NYSDEC electronically.)

**I. Project Owner/Operator Information**

a. Owner/Operator Name:

b. Contact Person:

c. Street Address:

d. City/State/Zip:

**II. Project Site Information**

a. Project/Site Name:

b. Street Address:

c. City/State/Zip:

d. eNOI Submission ID:

**III. Traditional Land Use Control MS4 Operator Information**

a. Name of MS4 Operator:

b. MS4 SPDES Permit ID Number: NYR20A

c. Street Address:

d. City/State/Zip:

e. Telephone Number:

**IV. Certification Statement**

In accordance with CGP Part I.D.2.b.ii.3., I hereby certify that the Traditional Land Use Control MS4 Operator identified in section III. of this form does not have review authority over the construction project identified in section II. of this form, which is owned/operated by the entity identified in section I. of this form. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

a. Printed name of the principal executive officer or ranking elected official for the MS4 Operator or their duly authorized representative in accordance with CGP Part VII.J.2.:

b. Title/Position:

c. Signature:

d. Date:

## APPENDIX J – Owner/Operator Certification Form

The Owner/Operator Certification Form required by this permit begins on the following page.

# Owner/Operator Certification Form

***SPDES General Permit for Stormwater Discharges from Construction Activity, GP-0-25-001 (CGP)***

(In accordance with CGP Part I.D.2.b. or Part I.F.2. and 3., the completed form must be attached to the eNOI or the Request to Continue Coverage, and submitted to NYSDEC electronically.

**Project/Site Name:** _____

**eNOI Submission ID:** _____

**eNOI Submitted by:** ☐ **Owner/Operator** ☐ **SWPPP Preparer** ☐ **Other**

## Certification Statement - Owner/Operator

I hereby certify that I read, and will comply with, the GP-0-25-001 permit requirements. I understand that authorization to discharge under the permit for the project/site named above is dependent on receipt of a Letter of Authorization (LOA) or a Letter of Continued Coverage (LOCC) from the New York State Department of Environmental Conservation (NYSDEC) in accordance with CGP Part I.D.3.b. or Part I.F.4. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Owner/Operator First Name MI Owner/Operator Last Name

_____

Signature

_____

Date

Revised: January 2025

# Appendix G

## General Permit Fact Sheet

https://dec.ny.gov/sites/default/files/2025-01/fs_cgp_gp-0-25-001.pdf

FACT SHEET

For

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL
CONSERVATION (NYSDEC)

SPDES GENERAL PERMIT
FOR STORMWATER DISCHARGES

From

**CONSTRUCTION ACTIVITY**

Permit No. GP-0-25-001

Construction General Permit (CGP)

Issued Pursuant to Article 17, Titles 7, 8 and Article 70
of the Environmental Conservation Law

Issuance Date: January 29, 2025
Effective Date: January 29, 2025
Expiration Date: January 28, 2030

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# INTRODUCTION

The New York State Department of Environmental Conservation (NYSDEC) renewed the SPDES Construction General Permit (CGP) for Stormwater Discharges from Construction Activity as GP-0-25-001. Upon its effective date, GP-0-25-001 replaced the previous general permit, GP-0-20-001, which expired on January 28, 2025.

Pursuant to Section 402 of the Clean Water Act (CWA), and 40 CFR 122.26(b)(14)(x), (15)(i), and (15)(ii), stormwater discharges from certain construction activities (including discharges through a municipal separate storm sewer system) are unlawful unless they are authorized by a National Pollutant Discharge Elimination System (NPDES) permit or by a state permit program. New York's State Pollutant Discharge Elimination System (SPDES) is a NPDES-approved program with permits issued in accordance with the Environmental Conservation Law (ECL). An owner or operator of a construction activity must operate under an effective individual SPDES permit, which addresses the stormwater discharges, or obtain coverage under the SPDES General Permit for Stormwater Discharges from Construction Activity (here, GP-0-25-001). The authority for GP-0-25-001 is Article 17, Titles 7, 8 and Article 70 of the New York State Environmental Conservation Law, as well as 6 NYCRR Parts 621 and 750.

## SUMMARY OF CHANGES

Numerous changes were made throughout GP-0-25-001 compared to GP-0-20-001, as detailed below, to increase clarity resulting in better understanding of GP-0-25-001 and, therefore, improved compliance and overall water quality protection.

### Table of Contents

- GP-0-25-001 was restructured, and edits made, for a more logical reading of the permit from start to finish, to improve consistency within the broader NYSDEC SPDES program, and to eliminate redundancies.
    - Changes to the Table of Contents between GP-0-20-001 and GP-0-25-001 are indicated in the following chart. Note that the table only summarizes the relocation of contents of the permit; substantive changes are described in this Fact Sheet below.

| GP-0-20-001 | GP-0-25-001 |
|---|---|
| Part I.A. | Part I.A.1. |
| Part I.B. | Part II.B. |
| Part I.B.1.e. | Part I.C. |
| Part I.C. | Part II.C. |
| Part I.D. | Part II.A. |
| Part I.E. | Part I.A.,B.,C. |
| Part I.F. | Part I.A. |
| Part II.A. | Part I.D. |
| Part II.B. | Part I.D. |
| Part II.C. | Part I.A.,D.,E. |
| Part II.D. | Part I.E. |
| Part II.E. | Part I.F. |
| Part II.F. | Part I.G. |
| Part VII.A. | Part I.E.7., Part VII.A. |
| Part VII.B. | Part VII.I. |
| Part VII.D. | Part VII.B. |
| Part VII.E. | Part VII.F. |
| Part VII.F. | Part I.E.10., Part VII.H. |
| Part VII.G. | Part I.E.9. |
| Part VII.H. | Part VII.J. |
| Part VII.I. | Part VII.O. |
| Part VII.J. | Part VII.R. |
| Part VII.K. | Part VII.G. |
| Part VII.L. | *[deleted]* |
| Part VII.M. | Part VII.K. |
| Part VII.N. | Part VII.A. |
| Part VII.O. | *[deleted]* |
| Part VII.P. | Part VII.E. |
| Part VII.Q. | Part VII.D. |
| Part VII.R. | Part VII.M. |
| *[none]* | Part VII.L. |
| *[none]* | Part VII.N. |
| *[none]* | Part VII.P. |
| *[none]* | Part VII.Q. |
| *[none]* | Part VII.S. |
| Appendix D | *[deleted]* |
| Appendix E | Appendix D |
| Appendix F | Appendix E |
| *[none]* | Appendix F, G, H, and I |

- Although not required, Parts I. and II. in GP-0-25-001 were reorganized, and edits made, to be more consistent with the structure and content of EPA's 2022 National Pollutant Discharge Elimination System (NPDES) Construction General Permit (CGP) for Stormwater Discharges from Construction Activities (EPA's CGP). These changes make reading and understanding GP-0-25-001 easier. For example, the restructuring better organized the requirements in order of how to obtain, maintain, and terminate coverage under the permit.

**Part I**

- Part I. in GP-0-25-001 is the introduction to eligibility and how to obtain permit coverage. The substantive requirements follow.

**Eligibility Requirements**

- Part I.A.1. in GP-0-25-001 was simplified and reformatted.
    - Adding regulatory references to the definition of "Construction Activity(ies)" in Appendix A eliminated the need to cite "40 CFR 122.26(b)(14)(x), 122.26(b)(15)(i) and 122.26(b)(15)(ii)" in Part I.A.1. in GP-0-25-001.
    - Adding the exclusion of routine maintenance activity to the definition of "Construction Activity(ides)" in Appendix A eliminated the need to include the same exclusion in Part I.A.1. in GP-0-25-001. See the "Definitions – Appendix A" section of this Fact Sheet.
    - The phrase "and groundwaters" was deleted in Part I.A.1. in GP-0-25-001 since the CGP only authorizes discharges to surface waters of New York State pursuant to CFR 122.26(b)(14)(x), 122.26(b)(15)(i) and 122.26(b)(15)(ii).
    - In GP-0-20-001, Part I.E.1. was essentially redundant of Part I.A in that permit. Therefore, Part I.E.1. was removed in GP-0-25-001.
    - For clarity, Part I.A.1.a. and b. in GP-0-25-001 separate into two items what was formerly one paragraph. In GP-0-25-001, the first item is "one or more acres" and the second item is "less than one acre which are part of a common plan of development or sale that will ultimately disturb one or more acres." Having both items in one paragraph made it difficult to understand that there were two different disturbance thresholds of construction activities that are eligible for coverage under the CGP.

- Part I.A.1.c.ii., iii.,. and iv. in GP-0-25-001 are new in GP-0-25-001. GP-0-25-001 clearly identifies soil disturbance thresholds within the municipal boundaries of the City of New York (NYC) of: 1) 20,000 square feet or more, but less than one acre; 2) less than 20,000 square feet that are part of a common plan of development or sale that will ultimately disturb 20,000 square feet or more, but less than one acre, or 3) 5,000 square feet or more of impervious area created.

    - NYC is the only large Municipal Separate Storm Sewer System (MS4) within New York State (NYS) subject to the Phase I Stormwater Permitting requirements of the CWA. As the only large MS4 in NYS, the 2015 NYC MS4 Permit was developed by consulting the NYSDEC SPDES General Permit for Stormwater Discharges from MS4s (GP-0-10-002); the MS4 Improvement Guide (EPA Publication 833-R-10-001); and Individual MS4 permit programs from other Phase I MS4s such as Philadelphia, Los Angeles, Chicago, Houston, and District of Columbia. The NYC MS4 Permit only applies to stormwater discharges going to the NYC MS4. Part IV.F.4. of the 2015 NYC MS4 Permit required NYC to complete a study to determine the appropriate soil disturbance threshold for stormwater regulation of construction activities, within the NYC municipal boundaries, that discharge to NYC's MS4. That study evaluated different soil disturbance threshold sizes ranging from 5,000 square feet to 1 acre, to assess potential costs to NYC and developers and the anticipated water quality benefits associated with each soil disturbance threshold size. The study recommended the adoption of a 20,000 square foot soil disturbance threshold, as documented in NYC Stormwater Management Program, 2020 Revision, Appendix 6.1 Lot Size Soil Disturbance Threshold Study for Construction and Post-Construction Stormwater Management. The approved Stormwater Management Program (SWMP), and 2020 NYC MS4 Permit, incorporated the study's recommendations to lower the soil disturbance threshold to 20,000 square feet. Further, the 2020 NYC MS4 Permit incorporated a 5,000 square foot threshold for the creation of impervious surfaces consistent with the NYC Unified Stormwater Rule (see the NYC Environmental Protection webpage: https://www.nyc.gov/site/dep/water/unified-stormwater-rule.page). It would be difficult to create new impervious area without soil disturbance. Therefore, CGP coverage is appropriate within the municipal boundaries of NYC at the same soil disturbance thresholds identified in the 2020 NYC MS4 Permit in accordance with 40 CFR 122.26(b)(15)(ii), and 6 NYCRR 750-1.5(a)(10) as NYSDEC concurs those lower soil disturbance thresholds are a significant contributor of pollution to waters surrounding NYC.

- This approach provides additional protections to the quality of receiving waters and ensures a uniform soil-disturbance threshold for construction and post-construction activities in New York City, thereby eliminating any chance of confusion of rules between the jurisdictions of NYSDEC and NYCDEP.

- GP-0-25-001 authorizes discharges to surface waters of the State either directly or through separate storm sewer systems (e.g. MS4).

- Part I.A.2. in GP-0-25-001 was expanded consistent with EPA's CGP language.

- For clarity, Part I.A.3.a. and b. in GP-0-25-001 separate into two items what was formerly one paragraph. In GP-0-25-001, the first item is "permit issued pursuant to 6 NYCRR Part 182 for the project" and the second item is "letter issued by NYSDEC of non-jurisdiction for the project." Having both items in one paragraph made it difficult to understand that there were two different ways to be eligible for coverage under the CGP, with respect to endangered or threatened species.

- Part I.A.6. in GP-0-25-001 was added to complement Part I.A.5. This complement was needed to address construction activities that are not subject to SEQR but are subject to the equivalent from another New York State or federal agency. For example, the equivalent from another New York State agency could be Certificates of Environmental Compatibility and Public Need from the Department of Public Service.

- For clarity, Part I.A.7.a. and b. in GP-0-25-001 separate into two items what was formerly one paragraph. In GP-0-25-001, the first item is "obtain all such necessary permits" and the second item is "receive notification from NYSDEC pursuant to 6 NYCRR 621.3(a)(4) excepting Part I.A.7.a." Having both items in one paragraph made it difficult to understand that there were two different ways to be eligible for coverage under the CGP, with respect to UPA permits.

- Part I.A.8. in GP-0-25-001 maintains the substance of Part I.F.6. and 7. in GP-0-20-001 but was reordered and reformatted for clarity.

    - Part I.A.8.a. is applicable to linear transportation projects and linear utility projects from Part I.F.7. in GP-0-20-001.

    - Part I.A.8.b. is applicable to all other project types, including residential, commercial, and institutional project types, clarifying the original intent from Part I.F.6. in GP-0-20-001.

    - In GP-0-20-001, there was confusion about the phrase "tributary to" in Part I.F.6. and 7. To eliminate that confusion, the language in GP-0-25-001 Part

I.A.8.a. and b. clarifies that construction activities, "within the watershed of surface waters of the State classified as AA or AA-S," are not eligible. As the Stormwater Interactive Map is the only available tool to determine if a construction site is within the watershed of surface waters of the State classified as AA or AA-S, use of the Stormwater Interactive Map is required in Part I.A.8.a.i. and Part I.A.8.b.i. The Stormwater Interactive Map contains a GIS layer "Class AA AAs Watersheds."

**Types of Discharges Authorized**

- In GP-0-20-001, Part I.F.2. was redundant of Part I.E.3. With reorganizing GP-0-25-001, the same substantive requirements are located in Part I.B.2.

**Electronic Notice of Intent (eNOI) Submittal**

- Part I.D. in GP-0-25-001 provides a narrative explanation of what the eNOI contains so that owners or operators clearly understand what information they must provide.

- Part I.D.1. in GP-0-25-001 is new. An eNOI may only be submitted for one of the four options (Part I.D.1.a., b., c., or d.). If a project does not fit one of those four options, it cannot obtain coverage under GP-0-25-001.

  Part I.D.1.a., b., and c. build on the new definition for "phase" added to Appendix A of GP-0-25-001. For more information, see the definition of "phase" in the section "Appendix A – Definitions" of this Fact Sheet below, including the diagrams.

  - Part I.D.1.a. in GP-0-25-001 does not change the substance from GP-0-20-001 but more clearly identifies what is acceptable to submit as an eNOI.

  - Part I.D.1.b. in GP-0-25-001 does not change the substance from GP-0-20-001 but more clearly identifies what is acceptable to submit as an eNOI.

  - Part I.D.1.c. in GP-0-25-001 does not change the substance from GP-0-20-001 but more clearly identifies what is acceptable to submit as an eNOI so long as the three requirements are met, Part I.D.1.c.i., ii., and iii.

    - Part I.D.1.c.i. was added to ensure that all phases of the common plan of development or sale are reviewed collectively under SEQR, or the equivalent, and not segmented.

    - Part I.D.1.c.ii. was added to ensure that the separate phase of a common plan of development or sale, on its own, is otherwise eligible for coverage under GP-0-25-001.

- Part I.D.1.c.iii. was included to ensure implementation of the post-construction stormwater management practices (SMPs) reflect the common plan of development or sale, not separate phase(s), in instances where a phase by itself might be categorized differently in accordance with Part III.C.

- Part I.D.1.d. in GP-0-25-001 was included to balance the protection of certain threatened and endangered bat species with the need to timely construct projects in furtherance of NYS climate mandates under the Climate Leadership and Community Protection Act (CLCPA). Specifically, this provision allows certain instances of tree clearing before development of the entire Stormwater Pollution Prevention Plan (SWPPP) for renewable energy projects (i.e. generation, transmission, or storage), in order to meet stringent construction schedules related to climate mandates and reliability of the electric grid.

  In order to meet these aggressive mandates, renewable energy projects must be constructed in an expedited timeframe. Part I.D.1.d. in GP-0-25-001 is limited to renewable energy projects because those projects will help timely meet NYS climate mandates under the CLCPA.

  For the protection of these endangered bat species, tree clearing in most areas of the State should occur between November 1st and March 31st. By tree clearing within this time period, an owner or operator will comply with 6 NYCRR Part 182. This does not apply to NYSDEC Region 1 because that area of the State has such a prevalence of these endangered bat species that tree clearing during any time of year would result in impacts to these species. See also the U.S. Fish and Wildlife Service (USFWS) guidance document "Northern long-eared bat Interim Consultation Framework Reinitiation Memorandum," publication date November 22, 2024.

  To minimize the potential for irreparable harm, in cases where tree clearing would occur and a project is then not ultimately certified, this provision is applicable only when the owner or operator is at a certain point in its underlying certification process (Part I.D.1.d. and Part I.D.1.d.i. in draft GP-0-25-001).

  The pre-development condition is the existing site conditions before the tree clearing sequence occurred. This applies when using the Design Manual to perform pre- and post-development hydrologic modeling for the renewable project after the tree clearing sequence has been completed.

- Part I.D.2. in GP-0-25-001 is modeled after EPA's CGP and groups together the prerequisites for submitting an eNOI in logical order.

- Under GP-0-20-001, NYSDEC received questions about different scenarios and whether a Traditional Land Use Control MS4 Operator was required to review the SWPPP and sign the MS4 SWPPP Acceptance Form or not. Therefore, Part I.D.2.b.ii.1. in GP-0-25-001 was added to list the situations when a Traditional Land Use Control MS4 Operator does not have review authority.

    - Part I.D.2.b.ii.1.a. in GP-0-25-001 maintains where the Traditional Land Use Control MS4 Operator did not have review authority under GP-0-20-001.

    - Part I.D.2.b.ii.1.b. and c. in GP-0-25-001 were added to implement the Legal Memorandum LU14 listed in Part I.D.2.b.ii.1.c. within the context of this permit. The difference between Part I.D.2.b.ii.1.b. and c. is the existence of an applicable statute or not. The New York State Department of State can answer questions about the analysis outlined in that legal memorandum. Part I.D.2.b.ii.1.b. and c add clarification for situations when the owner or operator is a different government entity undertaking construction activity within the municipal boundary of a Traditional Land Use Control MS4 Operator.

- Part I.D.2.b.ii.2. and 3. in GP-0-25-001 were added to specify what documentation the owner or operator must obtain from a Traditional Land Use Control MS4 Operator to support the conclusion in Part I.D.2.b.ii.1.

    - Part I.D.2.b.ii.2.a. in GP-0-25-001 maintains the MS4 SWPPP Acceptance Form (see also Appendix G in GP-0-25-001) used under GP-0-20-001.

    - Part I.D.2.b.ii.2.b. in GP-0-25-001 added the City of New York Department of Environmental Protection (NYCDEP) SWPPP Acceptance/Approval Form (see also Appendix H in GP-0-25-001) for eNOIs including construction activities within the municipal boundaries of NYC that will discharge to the MS4. This form was used under GP-0-20-001 but is now clearly identified and required in GP-0-25-001.

    - Part I.D.2.b.ii.3. in GP-0-25-001 added the MS4 No Jurisdiction Form (see also Appendix H in GP-0-25-001) to make it clear to NYSDEC, during the review process of eNOIs for completeness, that the Traditional Land Use Control MS4 Operator(s) do not have review authority.

- Part I.D.3.a. in GP-0-25-001 is consistent with EPA's 2015 NPDES Electronic Reporting Rule (40 CFR Part 127). Prior to December 21, 2020, electronic submission of a Notice of Intent (NOI) was optional under Part II.B.1. in GP-0-20-001. In accordance with 40 CFR 127.16(a) and 6 NYCRR 750-2.5(e)(1), Part I.D.3.a. requires that owners or operators submit the Notice of Intent form electronically, which is the format acceptable to NYSDEC. This is consistent with the requirements of Part II.B.2. in GP-0-20-001, which applied after December 21, 2020. The ability to submit a waiver has been included in GP-0-25-001, and the process follows the federal regulations at 40 CFR 127.15.

- Part I.D.3.b. in GP-0-25-001 replaces the former process from Part II.C. in GP-0-20-001. Under Part II.C. in GP-0-20-001, receipt of the NOI Letter of Acknowledgement was not required for authorization to discharge. NYSDEC simply sent out the NOI Letter of Acknowledgement as a courtesy documenting NYSDEC's receipt of a complete eNOI. To eliminate confusion as to when an owner or operator is authorized to discharge, Part I.D.3.b. in GP-0-25-001 states that the controlling authorization date is indicated in the LOA.

    - Under Part II.C. of GP-0-20-001, an owner or operator could receive an NOI Letter of Acknowledgment but not be authorized to discharge until project review pursuant to the State Environmental Quality Review Act (SEQR) had been satisfied, when applicable, and not until all necessary NYSDEC permits subject to the Uniform Procedures Act (UPA) (see 6 NYCRR Part 621) had been obtained, where required. To execute this process-change in Part I.D.3.b. of GP-0-25-001, what were formerly additional authorization requirements in Parts II.C.2.a. and b. of GP-0-20-001 (SEQR and UPA) have been moved to be eligibility requirements in Part I.A. in GP-0-25-001.

    - Part II.C.3. in GP-0-20-001 included timelines for authorization to discharge of five business days or 60 business days after receipt of a complete NOI, depending on the situation. Now, in Part I.D.3.b. of GP-0-25-001, the controlling authorization date is indicated in the LOA.

        - GP-0-25-001 now requires submission of an eNOI in accordance with Part I.D.3.a., which allows NYSDEC to automate LOA issuance electronically, therefore eliminating the need for the five-business day timeline. Obtaining coverage under GP-0-25-001, like GP-0-20-001, is a self-certifying process. A false certification would not provide authorization to discharge even if NYSDEC issues a LOA based on the false certification. The technology platform used to receive eNOIs for GP-0-25-001 will only allow "complete eNOIs" to be submitted with certification from the owner or operator asserting that all requirements of GP-0-25-001 have been met. Further, owners or operators may use

the technology platform to view the status of submitted eNOIs and access copies of LOAs at any time.

- Part I.D.3.b.i. in GP-0-25-001 maintains the 60 business day authorization timeline for owners or operators if both of the following apply: 1) where there is deviation from the New York State Standards and Specifications for Erosion and Sediment Control, dated November 2016 (Blue Book) and/or the New York State Stormwater Management Design Manual, dated July 31, 2024 (2024 Design Manual), the SWPPP demonstrates equivalence in accordance with Part III.B.1.a.ii. or Part III.B.2.b.ii. and 2) a Traditional Land Use Control MS4 Operator does not have review authority in accordance with Part I.D.2.b.ii.1.

  The 60-business day timeline is still in place to provide NYSDEC time to review a SWPPP demonstrating equivalence when a Traditional Land Use Control MS4 Operator does not have review authority. When a Traditional Land Use Control MS4 Operator has review authority, the Traditional Land Use Control MS4 Operator will review all SWPPPs, so an extended timeline is not necessary in this case.

**General Requirements for Owners or Operators with Permit Coverage**

- Part II.D.4. in GP-0-20-001 was redundant of Part VII.K. in GP-0-20-001 and, therefore, deleted in GP-0-25-001. The substance of Part VII.K. in GP-0-20-001 is maintained in Part VII.G. in GP-0-25-001.

- Part I.E.1. was added in GP-0-25-001 to clarify the timing of when the owner or operator must make the eNOI and SWPPP available for review in accordance with Part VII.H. In GP-0-20-001, there was no timing attached to that requirement. GP-0-25-001 clarifies that “As of the date the LOA is received” is when that requirement applies, consistent with the process change described in the paragraphs above about Part I.D.3.b. in GP-0-25-001.

- For clarity, Part I.E.2.a. and b. in GP-0-25-001 separate into two items what was formerly one paragraph as Part II.D.1. in GP-0-20-001. The first item is “all areas of disturbance have achieved final stabilization” and the second item is “the owner’s or operator’s coverage under this permit is terminated in accordance with Part V.A.5.” Having both items in one paragraph made it difficult to understand that there were two different requirements to be met prior to the owner’s or operator’s responsibility to ensure compliance with all requirements of the permit, and provisions of the SWPPP, ceased.

- Part I.E.3. and 4. in GP-0-25-001 maintain the substance and intent of Part II.D.2. in GP-0-20-001 but was reordered and reformatted for clarity.

- Part I.E.5. in GP-0-25-001 clarifies that, copies of documentation necessary to demonstrate eligibility with the permit required to be maintained at the construction site, must be paper documents unless electronic documents are accessible to the inspector during an inspection to the same extent as a paper copy stored at the site would be. This clarification is consistent with the EPA's Construction General Permit (CGP) Frequent Questions webpage, https://www.epa.gov/npdes/construction-general-permit-cgp-frequent-questions, accessed on May 14, 2024, which states that "SWPPPs, inspection reports, and corrective action reports may be prepared, signed, and kept electronically if the records are: (a) in a format that can be read in a similar manner as a paper record; (b) legally dependable with no less evidentiary value than their paper equivalent; and (c) accessible to the inspector during an inspection to the same extent as a paper copy stored at the site would be, if the records were stored in paper form."

- Part I.E.6. in GP-0-25-001 added the process to obtain authorization to disturb greater than five acres of soil at any one time. This was needed to standardize the process that was not articulated in GP-0-20-001.

  Like GP-0-20-001, a project that has obtained coverage under GP-0-25-001 may commence construction activities that include soil disturbance of less than five acres at any one time without an Authorization Letter to Disturb Greater Than Five Acres (Part I.E.6.c.). For example, a project could disturb four acres of soil, then achieve final stabilization for those first four acres of soil disturbance. Then, the project could continue with an additional three acres of soil disturbance, then achieve final stabilization for the addition three acres, and thus disturbing a collective seven acres of soil without submitting a Request to Disturb Greater Than Five Acres and without receiving an Authorization Letter to Disturb Greater Than Five Acres. The key with this example is that less than five acres of soil were disturbed at any one time.

  If an owner or operator cannot feasibly stagger the soil disturbance such that less than five acres are disturbed at any one time, they must meet the requirements in Part I.E.6. after obtaining coverage under GP-0-25-001 as Part I.E. is General Requirements for Owners or Operators with Permit Coverage.

  - Part I.E.6.a. in GP-0-25-001 identifies who to submit the Request to Disturb Greater Than Five Acres to, considering varying review authorities.

  - Part I.E.6.b. in GP-0-25-001 more clearly identifies what such a request must include.

  - Part I.E.6.c. in GP-0-25-001 imposes a requirement for the owner or operator to receive an Authorization Letter to Disturb Greater Than Five Acres similar

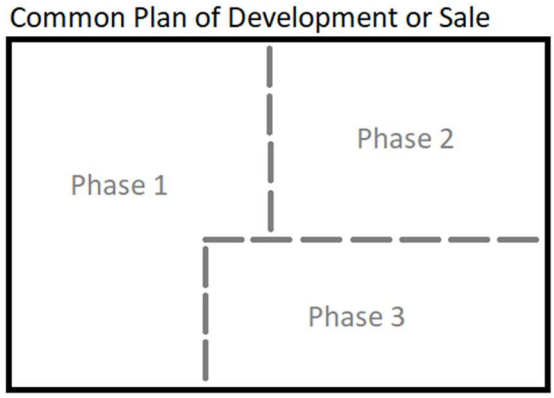
to the process of receiving a LOA.

- Part I.E.8. in GP-0-25-001, which specifically addresses human remains or archaeological remains encountered during excavation, is information specific to construction activity and, therefore, is more appropriately located in Part I.E., General Requirements for Owners or Operators with Permit Coverage, than in Part VII., Standard Permit Requirements.

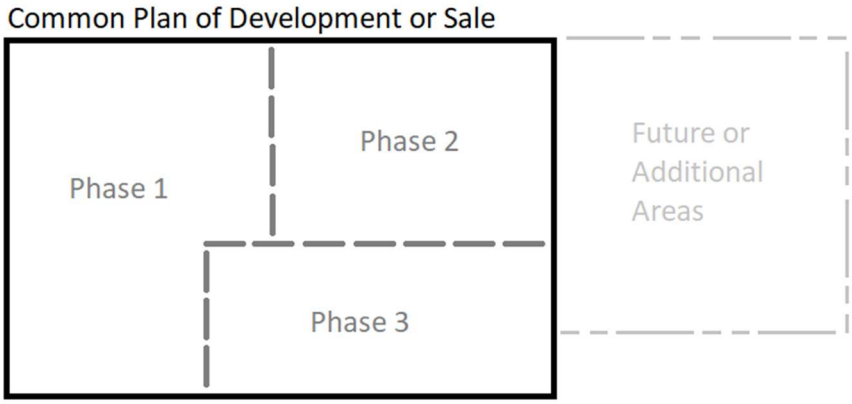
- Part I.E.9. describes the administrative process for updating the eNOI when any information previously submitted in the eNOI changes. This includes but is not limited to: (1) increasing area of soil disturbance, (2) substantive revisions to the SWPPP, and (3) changing the SMP component of the SWPPP.

    - Diagrams A, B, and C below are examples (i.e. not an exhaustive list) that illustrate the process to receive authorization to disturb soil not yet authorized for a common plan of development or sale. Diagrams A, B, and C assume the original eNOI submission was for an entire common plan of development or sale. However, the same process also applies regardless of whether the original eNOI was submitted for an entire common plan of development or sale or not. See also the section for Appendix A in this Fact Sheet below to understand the concept of phases within a common plan of development or sale compared to a project with only one phase.

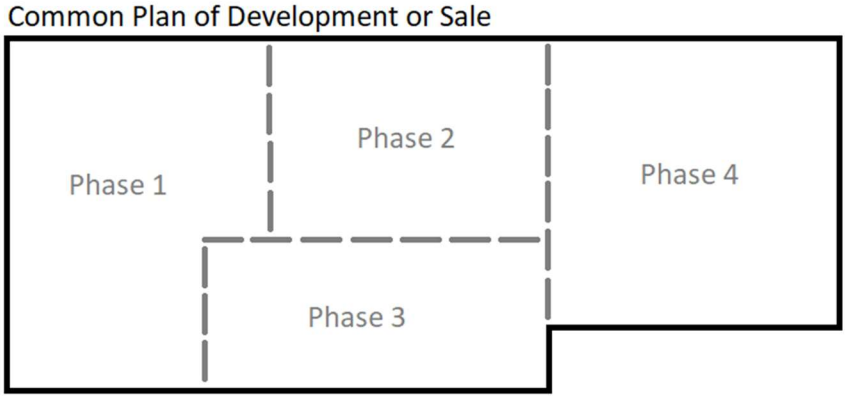
    - Diagram A – original eNOI submission was for the following:




    - Diagram B – the future or additional area depicted did not meet the definition of common plan of development or sale when the original eNOI was submitted; the owner or operator intends to now include the future or additional area as part of the common plan of development or sale following the process in Part I.E.9.:




- Diagram C – after the SWPPP and eNOI have been amended following the process in Part I.E.9., they now reflect the following:




**Permit Coverage for Discharges Authorized Under GP-0-20-001**

- Part I.F. in GP-0-25-001 is a new process. GP-0-20-001, and all previous renewals of the CGP, provided automatic continuation of coverage for owners or operators with coverage under the previous version of the CGP. The automatic continuation of coverage under renewals of the CGP did not adequately ensure ongoing compliance with the permit and led to confusion for SPDES permit fees with respect to inactive sites.

    - Part I.F. in GP-0-25-001 requires that owners or operators with coverage under GP-0-20-001 must submit an electronic Request to Continue Coverage (Part I.F.2.) within 30 calendar days of the effective date of GP-0-25-001. Since the CGP has been in place for over 20 years, this new requirement to submit confirmation to NYSDEC is important to clean up administrative records and to verify where coverage is still needed.

- The Request to Continue Coverage form in Part I.F.2. in GP-0-25-001 is necessary to inform NYSDEC that the SMP component acceptable under GP-0-20-001 will continue to be implemented and the owner or operator will comply with the non-design requirements of GP-0-25-001. In practicality, this means that an owner or operator with coverage under GP-0-20-001 seeking to obtain continued coverage under GP-0-25-001 does not need to redesign the SWPPP that was implemented under GP-0-20-001, including not needing to add the GP-0-25-001 Part III.A.2. climate change consideration, a potentially costly, time-consuming redesign process. GP-0-20-001 allowed continued authorization for projects covered under GP-0-15-002, which allowed continued authorization for projects covered under the previous iteration of the NYSDEC CGP, and so on. Therefore, the phrase "in place at the time of initial project authorization" captures all of those scenarios.

    - Part I.F.3. identifies what information the Request to Continue Coverage form requires from the owner or operator with coverage under GP-0-20-001. The form requires a minimal amount of information, including confirmation of continued eligibility, so as not to burden the regulated community in accomplishing NYSDEC's goal.

    - In accordance with Part I.F.4. in GP-0-25-001, if the Request to Continue Coverage form is complete, the owner or operator will receive authorization under GP-0-25-001, via the Letter of Continued Coverage (LOCC) from NYSDEC. This new process is similar to the new LOA process and necessary because of the reasons explained in the Fact Sheet above addressing Part I.D.3.b. in GP-0-25-001.

    - Obtaining coverage under GP-0-25-001 is a self-certifying process. The technology platform used to receive Request to Continue Coverage forms for GP-0-25-001 will only allow "complete" Request to Continue Coverage forms to be submitted with certification from the owner or operator asserting that all requirements of GP-0-25-001 have been met. Therefore, electronic LOCCs will be automatically generated and sent immediately by the technology platform in response to Request to Continue Coverage submissions.

- Part I.F.1. in GP-0-25-001 provides owners or operators, with coverage under GP-0-20-001, with 45 calendar days of interim coverage under GP-0-25-001. The 45 calendar days of interim coverage are necessary to avoid a lapse in

permit coverage while the owner or operator prepares and submits the Request to Continue Coverage. If an owner or operator does not transfer coverage from GP-0-20-001 to GP-0-25-001 in accordance with Part I.F.2. and 4., and Part I.F.5. is followed instead, there will be a lapse in permit coverage.

**Change of Owner or Operator**

- Part I.G. in GP-0-25-001 made changes to more clearly address the different scenarios of either a partial transfer of ownership or a full transfer of ownership.
    - Part I.G.1.f. in GP-0-25-001 requires an original owner or operator to amend their eNOI if the scenario is a partial transfer. This is a new administrative requirement needed to confirm with NYSDEC what extent of the project remains under the original owner's or operator's control as opposed to what extent of the project will now be under the new owner's or operator's control.
    - Part I.G.1.e. in GP-0-25-001 requires an original owner or operator to submit an eNOT to terminate their coverage, if the scenario is a full transfer. This is a new administrative requirement needed to confirm with NYSDEC that the original owner or operator no longer has operational control over any portion of the project.
    - For both scenarios, whether a partial or full transfer, Part I.G.1.a., b., c., and d. require that the new owner or operator follow the eNOI submittal process because of the reasons explained in the Fact Sheet above addressing Part I.D. in GP-0-25-001. This includes obtaining MS4 SWPPP Acceptance Form certification from a Traditional Land Use Control MS4 Operator when appropriate. Part II.A.3. in GP-0-20-001 was deleted in GP-0-25-001, which exempted the need for the MS4 SWPPP Acceptance form in such scenarios).

**Part II**

**Post-construction Stormwater Management Practice Requirements**

- As NYSDEC issued the revised New York State Stormwater Management Design Manual, dated July 31, 2024 (2024 Design Manual), references to the Design Manual throughout GP-0-25-001 have been updated to the 2024 Design Manual, when applicable, instead of the New York State Stormwater Management Design Manual, dated January 2015 (2015 Design Manual). The 2015 Design Manual is still applicable to Part III.B.2.b.iii. and Part III.B.2.d. (see the paragraphs in the Fact Sheet below discussing those sections).

- Part II.B.1.b. in GP-0-25-001 was edited to clarify that the requirement to complete the stabilization is calculated in “calendar” days.

**Part III**

**General SWPPP Requirements**

- Part III.A.2. in GP-0-25-001:

  NYSDEC posted an Advanced Notice of Proposed Permit (ANPP) in the Environmental News Bulletin (ENB) on April 3, 2024 soliciting stakeholder input regarding potential changes to the CGP and the Design Manual to address climate change impacts in New York State. Input received by NYSDEC in response to the ANPP provided varied perspectives and recommended additional research. NYSDEC is pursuing that recommendation and seeking further research and data.

  However, as a first step and consistent with the NYSDEC ECL SPDES General Permit for Concentrated Animal Feeding Operations (CAFOs), Permit No. GP-0-22-001, and the NYSDEC SPDES Multi-Sector General Permit for Stormwater Discharges Associated with Industrial Activity, Permit No. GP-0-23-001, Part III.A.2. in GP-0-25-001 was added in accordance with the Community Risk and Resiliency Act (CRRA), 6 NYCRR Part 490, and associated guidance. Associated guidance may include “Using Natural Measures to Reduce the Risk of Flooding and Erosion,” “State Flood Risk Management Guidance,” “Estimating Guideline Elevations,” and “Tidal Wetlands Guidance: Living Shoreline Techniques in the Marine District of New York State.”

  Pursuant to Section 17-a of CRRA, Chapter 355 of the Laws of 2014 (as amended by Section 9 of the CLCPA, Chapter 106 of the Laws of 2019), NYSDEC must identify “the most significant climate-related risks” and promote “measures that could mitigate significant climate-related risks.” Pursuant to Section 17-b of CRRA, Chapter 355 of the Laws of 2014 (as amended by Section 9 of the CLCPA, Chapter 106 of the Laws of 2019), activities covered by major permits for regulatory programs subject to the Uniform Procedures Act, including GP-0-25-001, are required to demonstrate that future physical climate risk has been considered. Moreover, NYSDEC can require activities covered by a major permit to mitigate significant risks to natural resources in the vicinity of the activity. To implement those requirements, GP-0-25-001 requires the owner or operator to demonstrate, in narrative format in the SWPPP, consideration of future physical risks due to climate change, identified in Part III.2.a.i. of GP-0-25-001.

  Further guidance on CRRA and CLCPA can be found on NYSDEC’s website at https://dec.ny.gov/environmental-protection/climate-change/new-york-response/crra. Additionally, mapping guidance on guideline elevations can be found at

https://services.nyserda.ny.gov/SLR_Viewer/ and https://www.coast.noaa.gov/llv/.

- Part III.A.5.d. in GP-0-25-001 added “in an as-built drawing” at the end of the sentence to clarify the format which must be used to meet the requirement. Consistent with Part III.A.5. in GP-0-25-001 requiring that construction drawings must be kept current in the SWPPP, if the site was built according to the SWPPP design drawing, that design drawing may be used to create the as-built drawing.

- Part III.A.7. in GP-0-20-001 required owners or operators to submit a copy of the SWPPP or inspection reports to NYSDEC within a specified timeframe and in a specified format in response to NYSDEC requests. This information was mostly redundant of Part VII.F. in GP-0-20-001 and, therefore, Part III.A.7 in GP-0-20-001 was deleted in GP-0-25-001. The same substantive requirements of Part VII.F. in GP-0-20-001 are maintained in Part VII.H. in GP-0-25-001.

**Required SWPPP Contents**

- For clarity, Part III.B.1.a.i. and ii. in GP-0-25-001 separate into two items what was formerly in one paragraph. The first item is “in conformance with the New York State Standards and Specifications for Erosion and Sediment Control (BB), dated November 2016” and the second item is “equivalent to the BB if deviating from Part III.B.1.a.i.” Having both items in one paragraph made it difficult to understand that there were two different options when designing erosion and sediment control practices. Similarly, Part III.B.1.b. was also separated to make it clear that if option Part III.B.1.a.ii. is chosen, the SWPPP must include a demonstration of equivalence to the BB. Further, Part III.B.1.c. was separated from the paragraph as well, to make it clear what the erosion and sediment control component of the SWPPP must include, regardless of which option is chosen between Part III.B.1.a.i. or ii. All these changes maintain the requirements of GP-0-20-001 but present the requirements in formatting that is easier to understand.

- Part III.B.1.c.ii. in GP-0-25-001 added “with north arrows” and “and receiving surface water(s)” to the requirement. Spelling out this detailed requirement will help the owner or operator with site planning and construction, and it will help inspectors and reviewers with compliance actions.

- Part III.B.1.c.iv. in GP-0-25-001 maintains the term “phasing plan” but changed “sequence of operations” to “sequencing plan.” To explain these terms better, GP-0-25-001 contains detailed requirements of what the phasing plan must include (Part III.B.1.c.iv.1.) and detailed requirements of what the sequencing plan must include (Part III.B.1.c.iv.2.). Spelling out these detailed requirements will help the owner or operator with site planning and construction, and it will help inspectors and reviewers with compliance actions and with the Disturb Greater Than Five Acres Request.

- Part III.B.2. in GP-0-25-001 was edited to be a list format instead of paragraph form to present the requirements more clearly, but maintain requirements of GP-0-20-001. These changes also address the DOW New York State Stormwater Management Design Manual 2024 Update Transition Policy (Transition Policy).

    - Part III.B.2.a. in GP-0-25-001 was separated to make it clear that the sizing criteria is required regardless of which option is chosen between Part III.B.2.b.i., ii., or iii.

    - Part III.B.2.b.i. and ii. in GP-0-25-001 separate into two items what was formerly in one paragraph. The first item is “in the DM” and the second item is “equivalent to the DM if deviating from Part III.B.2.b.i.” Having both items in one paragraph made it difficult to understand that there were two different options when designing SMPs.

    - Part III.B.2.b.iii. in GP-0-25-001 was added because a transition period for construction activities is needed to mitigate the economic impact to certain construction activities that already started the planning, design, and review process with another review authority, and for government entities’ construction activities that already started the planning, design, and review process when not subject to other governmental review and approval. NYSDEC considered the cost and environmental benefit provided by the 2015 Design Manual, and consistency with past application of other new permitting requirements. NYSDEC determined that two years is a reasonable amount of time to complete such a review process.

    - Part III.B.2.c. in GP-0-25-001 was separated to make it clear that if option Part III.B.2.b.ii. in GP-0-25-001 is chosen, the SWPPP must include a demonstration of equivalence to the DM.

    - Part III.B.2.d. in GP-0-25-001 was added to include the criteria in Part III.B.2.b.iii. explained above.

    - Part III.B.2.e. in GP-0-25-001 was separated to make it clear what the SMP component of the SWPPP must include, regardless of which option is chosen between Part III.B.2.b.i., ii., or iii.

- Part III.B.2.b.iii. was added to allow additional performance criteria to apply. This provides the pathway for an owner or operator of a construction activity, seeking coverage under GP-0-25-001, to continue to use a SWPPP that was designed in conformance with the 2015 Design Manual or its equivalent, instead of the 2024 Design Manual or its equivalent.

- Part III.B.2.d. was added to require owners or operators following Part III.B.2.b.iii. to document in the SWPPP that Part III.B.2.b.iii.1.a. or b. apply. Such documentation could be in the form of planning board meeting minutes, letters acknowledging receipt of the SWPPP by the governmental entity, or other correspondence by the governmental entity providing comments on the SWPPP.

**Part IV**

**Qualified Inspector Inspection Requirements**

- Part IV.B.1. in GP-0-25-001 was changed to require the completion of corrective actions in specified timeframes, based on the necessity to engineer a design or not. It is less likely that a corrective action requiring engineering design could be completed in five business days.

- Part IV.C.2.c. in GP-0-25-001 added “and again by hard copy or email prior to re-commencing construction” to the existing requirement to notify either the Division of Water (SPDES) Program contact at the Regional Office or the Traditional Land Use Control MS4 Operator in writing prior to re-commencing construction and resuming the normal inspection frequency. This addition was needed to inform DOW contacts and Traditional Land Use Control MS4 Operators of changes in inspection frequency related to temporary stabilization. This will ensure greater compliance with inspection conditions in GP-0-25-001.

- Part IV.C.2.d. in GP-0-25-001 was edited to be more concise but maintains the same substantive requirements as in GP-0-20-001. However, it includes an additional notification requirement, that the DOW contact or the Traditional Land Use Control MS4 Operator(s) must be notified in writing “and prior to resuming construction activity.” This addition was needed to inform DOW contacts and Traditional Land Use Control MS4 Operators of changes in inspection frequency related to shut down with partial project completion. This will ensure greater compliance with inspections conditions in GP-0-25-001.

- Part IV.C.4. in GP-0-25-001 was edited to include “a. Permit identification number”, “d. …including the temperature at the time of the inspection”, “i. …(map)”, and “j. Estimates, in square feet or acres, of the following areas.” These additions were made to the inspection report to provide easy access for both compliance inspectors and the owner or operator. Either can use the information to determine potential for runoff, the effectiveness of practices, and overall compliance. Also, Part IV.C.4.k. in GP-0-25-001 was edited with minor language changes, including replacing “phase” with “stage” for consistency with the new definitions in Appendix A, including for the word “phase.”

- Part IV.C.4.j. in GP-0-25-001 was reformatted and updated to provide additional clarity to qualified inspector requirements.
  "Estimates" was added to Part IV.C.4.j. to clarify that use of a surveyor or surveying equipment is not required to meet this requirement. Instead, a qualified inspector may meet the requirement of Part IV.C.4.j. by estimating to the best of their ability the areas listed, based on comparisons of site observations and photos with approved project plans. While not required, a qualified inspector may certainly use some form of GPS to capture rough area calculations, such as with a mobile device.
  The phrase "in square feet or acres" was added to give flexibility to the qualified inspector to estimate the areas in either units of measurement case-by-case based on the given areas of disturbance.
  By requiring the specific total areas listed in Part IV.C.4.j.i., ii., iii., and iv., the owner or operator and regulatory authorities can determine what actions need to be taken, more easily assess progress each week, and identify the potential to exceed five acres of soil disturbance at any one time.

- Part IV.C.5. in GP-0-25-001 was changed to require the completion of corrective actions in specified timeframes based on the necessity to engineer a design or not. It is less likely that a corrective action requiring engineering design could be completed in five business days.

**Part V**

**Notice of Termination (NOT) Submittal**

- Part V. in GP-0-25-001 was reorganized to read more logically by moving Part V.A.1. in GP-0-20-001 to be Part V.A.5. in GP-0-25-001 and updating references accordingly throughout Part V.

  - Part V.A.1. in GP-0-25-001 was edited to be a list format instead of paragraph form to present the requirements more clearly. Also, Part V.A.1.a.v. and Part V.A.1.b.b. were added to clarify that "an as-built drawing" must be prepared prior to termination, consistent with the explanation in this Fact Sheet above for Part III.A.5.d. in GP-0-25-001.

  - Part V.A.2. in GP-0-25-001 was edited to include "require qualified inspector inspections in accordance with Part IV.C.1. and." This change clarifies that the signature from the qualified inspector on the eNOT form is only required when the qualified inspector inspection requirements are triggered in Part IV.C.1.

  - Part V.A.3. in GP-0-25-001 was edited to reference the new section added to GP-0-25-001 addressing Traditional Land Use Control MS4 Operator review

authority. See this Fact Sheet above for Part I.D.2.b.ii.1. Otherwise, Part V.A.3. maintains the same substantive requirements as in GP-0-20-001.

- Part V.A.4.a. and b. in GP-0-25-001 were edited to clearly delineate the difference, or lack of difference, between ownership and operation/maintenance of SMPs. This will allow more clear application of Part V.A.4.a., b., c., and d.

- Part V.A.5. in GP-0-25-001, in accordance with 40 CFR 127.16(a) and 6 NYCRR 750-2.5(e)(1), requires that owners or operators submit the NOT form electronically, which is the format acceptable to NYSDEC. This differs from the previous requirement under GP-0-20-001, which allowed paper or email PDF submission. This new requirement in GP-0-25-001 is expected to make both submission and processing of NOTs more efficient. The ability to submit a waiver has been included in GP-0-25-001, and the process follows the federal regulations at 40 CFR 127.15.

**Part VI**

- Part VI was renamed “Record Retention and Reporting” instead of “Reporting and Retention Records” but maintains the same substantive requirements as in GP-0-20-001.

**Record Retention**

- Part VI.A. in GP-0-25-001 was edited to be more concise but maintains the same substantive requirements as in GP-0-20-001.

**Reporting**

- Part VI.B. in GP-0-25-001 was renamed “Reporting” instead of “Addresses.” It was also edited to be more concise but maintains the same substantive requirements as in GP-0-20-001.

**Part VII**

**Standard Permit Requirements**

- Part VII. in GP-0-25-001, Standard Permit Requirements, was reorganized and edited for consistency with the Standard Permit Conditions in other NYSDEC SPDES General Permits. GP-0-25-001 Part VII. contains standard regulatory language that applies to all SPDES permits. These permit provisions, based largely upon 40 CFR 122 subpart C, ECL Art 17, and 6 NYCRR Part 750, include

requirements pertaining to monitoring, recording, reporting, and compliance responsibilities.

- In GP-0-20-001, Part VII.L., Proper Operation and Maintenance, was redundant of operation and maintenance requirements in Part III.B.1.h., Part III.B.2.f., and Part V.A.5., and, therefore, deleted in GP-0-25-001. In GP-0-25-001, the same substantive operation and maintenance requirements are collectively in Part III.B.1.c.vii., Part III.B.2.d.vi., and Part V.A.4.

- In GP-0-20-001, Part VII.O., Definitions, was redundant of the purpose of the Table of Contents. It did not include any requirements but merely referenced the definitions in Appendix A. Part VII.O. in GP-0-20-001 was deleted in GP-0-25-001. However, GP-0-25-001 maintains the definitions in Appendix A.

- Part VII.G.1. in GP-0-25-001 is pursuant to 6 NYCRR 750-1.21.

- Part VII.H. in GP-0-25-001 has three paragraphs. The requirement in the first paragraph is pursuant to 6 NYCRR 750-2.1(i). The requirement in the second paragraph is pursuant to 6 NYCRR 750-2.5(c)(4). The requirement in the third paragraph is pursuant to 6 NYCRR 750-2.1(f).

**Appendix A**

- Appendix A of GP-0-20-001 was named “Acronyms and Definitions” but has been renamed in GP-0-25-001 as “Abbreviations and Definitions.” It is accurate to rename this section “Abbreviations” since that term is inclusive of both acronyms and initialisms, two different types of abbreviations that are included in the list. “BB,” “DM,” “NYCDEP,” “NYSDEC,” “RR,” and “SMP” were added to the list of abbreviations in GP-0-25-001. Throughout the body of the permit, these additional abbreviations were used to replace the full phrases.

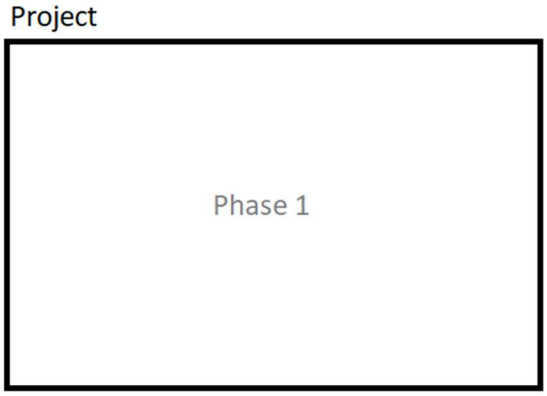
- The following changes were made to existing definitions to assist project owners and their design professionals with SWPPP development and implementation.

  - Common Plan of Development or Sale – although not required to be consistent with EPA’s CGP definition, the word “Larger” was dropped from this term. Additionally, the definition now includes reference to “phase” to complement the changes made to the eNOI submittal section allowing a separate eNOI for a “phase” of a “common plan of development or sale.” The second paragraph was rephrased for clarity, but the intent remains the same as it was in GP-0-20-001.

  - Construction Activity(ies) – The phrase “identified within 40 CFR 122.26(b)(14)(x), 122.26(b)(15)(i) and 122.26(b)(15)(ii)” was added to the

definition, thereby eliminating the need to include these regulatory references in the body of the permit. In GP-0-25-001, the definition for “Construction Activity” was modified to specifically exclude “Routine Maintenance,” which allows the permit to reference “Construction Activity” without repeating exclusions.

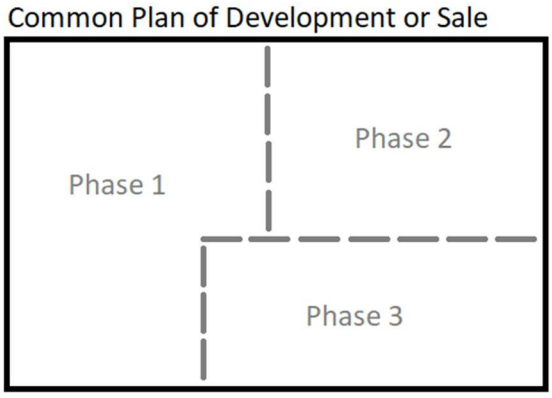
- The following were removed from the list of definitions because they were either essentially abbreviations or otherwise unnecessary to explain:
    - Endangered or Threatened Species
    - General SPDES Permit
    - National Pollutant Discharge Elimination System (NPDES)
    - NOI Acknowledgment Letter
    - State Pollutant Discharge Elimination System (SPDES)
    - Uniform Procedures Act (UPA) Permit
- Definitions of the following terms were added for clarification. These edits support the changes to the eNOI Submittal section, which identify more clearly the different circumstances when eNOIs may be submitted (see the eNOI Submittal section in this Fact Sheet above):
    - Renewable Energy, consistent with PSL 66-p(1)(b).
    - Tree Clearing
    - Phase
        - Example 1: A project that is not a common plan of development or sale proposes to develop 12 acres total. The first, and only, phase is the 12 acres of disturbance to complete the project. See the diagram below that illustrates the concept.
            - Example 1 Diagram:




Note: Example 1 applies to GP-0-25-001 Part I.D.1.a.

- Example 2: A project that is a common plan of development or sale proposes to develop 12 acres total. Phase 1 is five acres of the total 12 acres. Phase 2 is an additional four acres of the total 12 acres. Phase 3 is the remaining three acres of the total 12 acres. See the diagram below that illustrates the concept.

    - Example 2 Diagram:




Note: Example 2 applies to GP-0-25-001 Part I.D.1.b. or c.

- The definition for “Stormwater” was added to help with understanding and implementation of the permit.

- The definition of Combined Sewer System was edited for consistency with 6 NYCRR 750-1.2(a)(21).

- The definition of Steep Slope was edited with “or description” to clarify that Soil Slope Phase D qualifies as steep slope if either the map unit name or the description is inclusive of slopes greater than 25%.

- The term “natural surface waterbodies” was replaced by “surface waters of the State” since that is a defined term in Appendix A. These edits were made for consistency and clarity.

**Required SWPPP Components by Project Type – Appendix B**

- Tables 1 and 2 of Appendix B of GP-0-25-001 were edited to more clearly identify which types of construction activity correlate to the required SWPPP components. The clarifications were based on questions NYSDEC received over the last permit term from owners or operators, design professionals, and SWPPP reviewers.
    - Table 1 (Erosion and Sediment Controls Only):
        - Edited the “Structural agricultural conservation practices…” bullet with current and accurate information related to the referenced document.
        - Edited “Temporary access roads…or other temporary impervious areas…” by adding “(in this context, “temporary” means the impervious area will be in place for two years or less)”.
        - Added “Dam Rehabilitation (the structure of the dam itself)”.
        - Added “Solar array field areas that have tables elevated off the ground, spaced one table width apart, do not alter hydrology from pre- to post-development conditions, and address water quality volume and runoff reduction volume by maintaining sheet flow on slopes less than 8%.” Meeting these factors allows stormwater to flow off the down gradient side of the tables and continue as sheet flow across the ground surface (maximum 8% slope) in accordance with the 2024 Design Manual Section 5.3.2 Sheet Flow to Filter Strips, Section 5.3.2.4.1 Design Criteria, Table 5.7, Maximum Filter Overall Slope.
        - Added “Other construction activities that do not include the construction or reconstruction of impervious area, and do not alter hydrology from pre to post development conditions, and are not listed in Table 2.”
        - Added “and mountain biking trails, including a de minimis parking lot (maximum 10 spaces total, sized for passenger cars) with 35 feet minimum preservation of undisturbed area downgradient from the parking lot.”

- Table 2 (Post-Construction Stormwater Management Practices also):
    - Edited the “Structural agricultural conservation practices…” bullet with current and accurate information related to the referenced document.
    - Edited the “Landfills” bullet with “including creation of landfills or capping landfills”.
    - Added “Single-family residential subdivisions that involve soil disturbances of between 20,000 square feet and one (1) acre of land within the municipal boundaries of NYC with greater than 25% impervious cover at total site build-out.”
    - Added “Creation of 5,000 square feet or more of impervious area in the municipal boundaries of NYC.”
    - Added “Permanent laydown yards and equipment storage lots.”
    - Added “Solar array field area on slopes less than 8% that will alter the hydrology from pre- to post-development conditions.”
    - Added “Solar array field area on slopes greater than 8% that cannot maintain sheet flow using management practices identified in the BB or the DM.”
    - Added “Solar array field areas with tables that are not elevated high enough to achieve final stabilization beneath the tables.”

**Appendix D – Impaired Waterbodies (by Construction Related Pollutants)**

- Appendix D in GP-0-20-001, Watersheds with Lower Disturbance Threshold, has been deleted in GP-0-25-001. Appendix D in GP-0-20-001 was redundant information—it identified Appendix C Figure 1: Entire New York City Watershed located east of the Hudson River. The few places in GP-0-20-001 that referenced Appendix D of GP-0-20-001 have been updated in GP-0-25-001 to reference instead Appendix C Figure 1 (see GP-0-25-001 Part I.A.1.d., Part IV.C.1.d., and Appendix B Table 1).

- Appendix D in GP-0-25-001 maintains the list of waterbodies impaired by pollutants related to construction activity in table format. The list has been updated based on “The Final New York State 2018 Section 303(d) List of Impaired Waters Requiring a TMDL” dated June 2020 (NYS 2018 Section 303(d) List).

- GP-0-20-001 used the NYS 2016 Section 303(d) List, in which silt, sediment, or nutrients were listed as pollutants, but these pollutant names have been updated to be turbidity, silt/sediment, and nutrients (e.g. nitrogen, phosphorus) in GP-0-25-001 in accordance with the naming convention used in the NYS 2018 Section 303(d) List. These pollutants were used to develop the subset of the NYS 2018 Section 303(d) List included in Appendix D because construction activities could cause or contribute to further degradation of the waterbodies with these pollutants.

- The “Segment ID” has been added as parenthetical information with the waterbody name in the table also consistent with the NYS 2018 Section 303(d) List. Using the Segment ID, an owner or operator may utilize the Stormwater Interactive Map on NYSDEC’s website as a tool to more easily determine if a construction site will directly discharge to one of the 303(d) segments listed in Appendix D. Note that if discrepancy exists between the Stormwater Interactive Map and Appendix D in GP-0-25-001, Appendix D in GP-0-25-001 controls.

**Appendix E**

- Addresses and telephone numbers were updated as needed in the list of NYS DEC Regional Offices.

**Appendices F, G, H, I, and J**

- Appendices F, G, H, I, and J were added to GP-0-25-001 to include the certification forms required with eNOI submissions.

**RECORD AT THE REQUEST OF AND AFTER RECORDING RETURN TO:**

KARC Planning Consultants, Inc
P.O. Box 924
Poughkeepsie, NY 12602

# RECIPROCAL CROSS-ACCESS EASEMENT AGREEMENT

**EASEMENT AGREEMENT** (this "**Agreement**") dated as of the ___ day of ____, 2025 by and between 5 COPNY LLC, a New York limited liability company, having an address at 149 Cannon St, Poughkeepsie, New York 12601 (hereinafter "**5 COPNY**") and 2 COPNY LLC, a New York limited liability company, having an address at 151 Cannon St, Poughkeepsie, New York 12601 (hereinafter "**2 COPNY**").

## W I T N E S S E T H:

**WHEREAS**, 5 COPNY is the owner of certain real property located in the City of Poughkeepsie, County of Dutchess and State of New York, commonly known as 149 Cannon Street (Section 6162, Block 23, Lot 276969), as more particularly described on Schedule A.

**WHEREAS**, 2 COPNY is the owner of certain real property located in the City of Poughkeepsie, County of Dutchess and State of New York, commonly known as 151 Cannon Street (Section 6162, Block 23, Lot 280971), as more particularly described on Schedule B.

**WHEREAS**, the property owned by 2 COPNY adjoins the property owned by 5 COPNY; and

**WHEREAS,** 2 COPNY and 5 COPNY will have a shared Parking Lot located on both 5 COPNY's and 2 COPNY's property; and

**WHEREAS**, the Access Drive for the shared parking lot will be located on 5 COPNY's Property; and

**WHEREAS**, 5 COPNY desires to grant 2 COPNY, a perpetual, non-exclusive easement over the Access Drive located on 5 COPNY's Property and the Shared Parking Lot located on both 5 COPNY's and 2 COPNY's property for vehicular, truck, pedestrian and bicycle traffic; and

DRAFT

WHEREAS, 2 COPNY desired to grant 5 COPNY a perpetual, non-exclusive easement over the Shared Parking Lot located on both 5 COPNY's and 2 COPNY's property for vehicular, truck, pedestrian and bicycle traffic; and

**NOW, THEREFORE**, in consideration of the premises, and intending to be legally bound hereby, the parties hereto do mutually covenant and agree as follows:

1. 5 COPNY grants 2 COPNY, a perpetual, non-exclusive easement, to use the Access Drive located on 5 COPNY's Property and the Shared Parking Lot located on both 5 COPNY's and 2 COPNY's property for vehicular, truck, pedestrian and bicycle traffic.

2. 2 COPNY grants 5 COPNY, a perpetual, non-exclusive easement, to use the Shared Parking Lot located on both 5 COPNY's and 2 COPNY's property for vehicular, truck, pedestrian and bicycle traffic.

2. 5 COPNY and 2 COPNY agree that each party shall use the Access Drive and Parking Lot in accordance with the applicable laws, rules, regulations, determinations and ordinances of the City of Poughkeepsie, County of Dutchess.

3. 5 COPNY and 2 COPNY agree that neither party shall prevent the other party's access to and use of the Access Drive and Parking Lot.

4. 5 COPNY and 2 COPNY agree that the parties shall each have the right, but not the obligation, to alter, repair and maintain the Access Drive and Parking Lot.

5. The provisions of this Agreement shall run with the land and be binding upon, enforceable by and inure to the benefit of the parties hereto, their respective heirs, legal representatives, successors and assigns and the failure of any of them to enforce any provision herein contained shall not be deemed a waiver of the right to do so thereafter. This Agreement may be executed in two (2) or more counterparts, each of which shall be deemed an original, but all of which when taken together shall constitute one and the same agreement.

6. The recitals and whereas clauses are incorporated herein by reference.

7. The parties agree to execute and deliver any real estate transfer tax forms necessary to record this Agreement.

8. This Agreement constitutes the entire agreement with respect to the subject matter hereof. No amendment or modification of this Agreement shall be binding unless in writing and signed 5 COPNY and 2 COPNY or their respective successors, heirs and assigns. There are no oral agreements between 5 COPNY and 2 COPNY in connection with this Agreement or the transaction of which it is a part.

[Signatures Appear on Following Page]

DRAFT

[Signature Page to Easement Agreement]

**IN WITNESS WHEREOF**, the parties hereto have executed this Agreement as of the date and year first above written.

**5 COPNY**:

5 COPNY LLC,
a New York limited liability company

By: _____
Name: Kaylas Bhiro
Title: Member

**2 COPNY**:

2 COPNY LLC,
a New York limited liability corporation

By: _____
Name: Kaylas Bhiro
Title: Member

DRAFT

**Acknowledgements**

STATE OF NEW YORK )
) ss.:
COUNTY OF _____ )

On the **[____]** day of **[_____]** in the year 2025, before me, the undersigned, personally appeared **[_____]**, personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her capacity, and that by his/her signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

_____
Notary Public

STATE OF NEW YORK )
) ss.:
COUNTY OF _____ )

On the **[____]** day of **[_____]** in the year 2025, before me, the undersigned, personally appeared **[_____]**, personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her capacity, and that by his/her signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

_____
Notary Public

DRAFT

**SCHEDULE A**

Description of 5 COPNY's Property

Being a Parcel of land situate, lying and being in the City of Poughkeepsie, County of Dutchess and State of New York, being bounded and describes as follows:

Beginning at a rebar found on the northerly line of Cannon Street, said point also being the southeast corner of the herein described parcel; thence along said Cannon Street N 72° 09' 21" W for a distance of 66.50 feet to a point, said point being the southeast corner of the lands, now or formerly, of Flowers (Doc. #02 2003 463); thence along the same N 16° 58' 37" E for a distance of 182.84 feet to a point, said point being located on the southerly line of the lands, now or formerly, of Jankovics, LLC (Doc. #02 2012 5609); thence along the same S 71° 58' 33" E for a distance of 36.00 feet to a point; thence S 07° 31' 27" E for a distance of 185.71 feet to the Point or Place of Beginning.

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**SCHEDULE B**

Description of 2 COPNY's Property

Being a Parcel of land situate, lying and being in the City of Poughkeepsie, County of Dutchess and State of New York, being bounded and describes as follows:

Beginning at a magnail found on the northerly line of Cannon Street, said point also being the southeast corner of the herein described parcel; thence along said Cannon Street N 70° 37' 03" W for a distance of 30.67 feet to a point, said point being a rebar found; thence N 07° 31' 27" E for a distance of 238.50 feet to a point, said point being a rebar located to the southwest corner of the lands, now or formerly, of MLQ Realty Management (Doc. #02 2006 2950); thence along the same and along the lands, now or formerly, of SERPT (Doc. #02 2017 8608), in part, S 70° 37' 03" E for a distance of 30.67 feet and S 07° 31' 27" W for a distance of 238.50 feet to the Point or Place of Beginning.

DRAFT

**SCHEDULE C**

Description of Access Drive and Shared Parking Lot

[to be completed after site plan approval]

DRAFT

# 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:** 4-8-25

**PROJECT ADDRESS:** 149 Cannon St

**PROJECT NAME:**

**OWNER:** 5COPNY LLC

**ENGINEER/ARCHITECT:** KARC

☑ **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**

# Dutchess County Department of Planning and Development

| Fax Info Only | | |
|---|---|---|
| | To | Date #pgs |
| | Co./Dept. | From |
| | Fax # | Phone # |

## 239 Planning/Zoning Referral - Exemption Communities

*Please Fill in this section*

Municipality: **City of Poughkeepsie**

Referring Agency: **Planning Board**

Tax Parcel Numbers(s): **2769690000**

Project Name: **149 Cannon Street Site Plan**

Applicant: **Natalie Quinn for Kaylas Bhiros/4COPNY**

Address of Property: **Clinton St, Poughkeepsie, NY 12601**

**Exempt Actions:***
**239 Review is NOT Required**

- Administrative Amendments (fees, procedures, penalties, etc.)
- Special Permits for residential uses (accessory apts, home occupations, etc.)
- Use Variances for residential uses
- Area Variances for residential uses
- Renewals/Extension of Site Plans or Special Permits that have no changes from previous approvals

**No Authority to review these Actions**

- Subdivisions / Lot Line Adjustments
- Interpretations

☐ Exempt Action submitted for informal review

**Actions Requiring 239 Review**

- ☐ Comprehensive/Master Plans
- ☐ Zoning Amendments (standards, uses, definitions, district regulations, etc.)
- ☐ Other Local Laws associated with zoning (wetlands, historic preservation, affordable housing, architectural review, etc.)
- ☐ Rezonings involving all map changes
- ☐ Architectural Review
- ☑ Site Plans (all)
- ☐ Special Permits for all non-residential uses
- ☐ Use Variances for all non-residential uses
- ☐ Area Variances for all non-residential uses
- ☐ Other (Describe):

**Parcels within 500 feet of:**

- ☑ State Road:
- ☐ County Road:
- ☐ State Property (with recreation area or public building)
- ☐ County Property (with recreation area or public building)
- ☐ Municipal Boundary
- ☐ Farm operation in an Agricultural District

Date Response Requested:

Entered By: **Knauss, Judith**

*These actions are only exempt in municipalities that signed an intermunicipal agreemment with Dutchess County to that effect.*

For County Office Use Only

### Response From Dutchess County Department of Planning and Development

**No Comments:**

- ☐ Matter of Local Concern
- ☐ No Jurisdiction
- ☐ No Authority
- ☐ Withdrawn
- ☐ Incomplete - municipality must resubmit to County
- ☐ Exempt from 239 Review
- ☐ None

**Comments Attached:**

- ☑ Local Concern with Comments
- ☐ Conditional
- ☐ Denial
- ☐ Incomplete with Comments- municipality must resubmit to County
- ☐ Informal Comments Only (Action Exempt from 239 Review)

| | | |
|---|---|---|
| Date Submitted: **4/4/2025** | Notes: | ☐ Major Project |
| Date Received: **4/4/2025** | | Referral #: **ZR25-096** |
| Date Requested: | | |
| Date Required: **5/2/2025** | ☐ Also mailed hard copy | Reviewer: |
| Date Transmitted: **4/15/2025** | | |

**SUE SERINO**
COUNTY EXECUTIVE

**EOIN WRAFTER, AICP**
COMMISSIONER

# DUTCHESS COUNTY GOVERNMENT
## DEPARTMENT OF PLANNING & DEVELOPMENT

April 15, 2025

To: Planning Board, City of Poughkeepsie
**Re: ZR25-096, 149 Cannon St**
Parcels: 276969

The Dutchess County Department of Planning and Development has reviewed the subject referral within the framework of General Municipal Law (Article 12B, §239-l/m).

**ACTION**
The applicant is seeking site plan approval for a new 4-unit apartment building with associated parking and landscaping

**COMMENTS**
A lighting plan was not provided. A search for details about the fixtures listed in the lighting schedule shows that the pole lights are 13,000 lumens and have a 5000K color temperature. The wall-mounted fixtures have a range of brightness and color temperature options that do not appear to be specified in the plans. We suggest that a fixture with a maximum color temperature of 3000K be selected, and that a lighting plan be provided to ensure even, reasonable lighting for safety and visibility without unnecessary hot spots or glare.

**RECOMMENDATION**
The Department recommends that the Board rely upon its own study of the facts in the case with due consideration of the above comments.

Eoin Wrafter, AICP
Commissioner
By

Dylan Tuttle, Senior Planner

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:** 53 N Clinton (131300-6162-72-288150)

**II. PROPERTY OWNER:** 4COPNY LLC
**ADDRESS:** PO Box 8010
Pelham
NY, 10803 (state and zip code)
**PHONE NUMBER**: c/o 845-874-7166 (include area code)

**III. NAME OF APPLICANT**: Same as owner
**ADDRESS:** _____
_____
_____ (state and zip code)
**PHONE NUMBER**: same as owner (include area code)
**EMAIL ADDRESS:** c/o natalie@karcpc.com

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

**IV. CONSULTANT**: KARC Planning Consultants, Inc.
**ADDRESS:** PO Box 924
Poughkeepsie
NY, 12602 (state and zip code)
**PHONE NUMBER**: 845-874-7166 (include area code)
**EMAIL ADDRESS:** natalie@karcpc.com

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

Consutruction of a 4-family residential building on a vacant lot.

**VI. ZONING DISTRICT**: RNC

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

Revised January 2025: Previous Editions Obsolete

## PROJECT INFORMATION

New construction: X (yes) _____ (no) Vacant -> 4-Family

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: 0.22 (acres) 9,500 (square feet)

Building Footprint: 2,900 SF (proposed square feet for new construction)

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

NA (additional proposed square feet for expansion)

2,900 SF (total building footprint, square feet)

Lot Coverage: 30.5% (percentage, building coverage only)

Gross Floor Area: 5,800 SF (proposed square feet for new construction)

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

NA (additional proposed square feet for expansion)

5,800 SF (total gross floor area, square feet)

Building Height: 2 (stories) 34' 2" (feet)

Floor Area Ratio: 0.61 (ratio of gross floor area divided by lot area)

## VIII. PROJECT PARKING INFORMATION

A) Number of Off-Street Parking Spaces required: 5

B) Number of Off-Street Parking Spaces provided: 5

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: 4-Family residential
(Townhouse, condominium, multiple residence rental, etc.)

B) Unit Breakdown:

Number of efficiency or "studio" units: 0

Number of one (1) bedroom units: 0

Number of two (2) bedroom unit's 2

Number with three or more bedrooms: 2

Total number of units: 4

C) Is funding public?____Yes__X__No
If yes, describe funding source: _____

## X. OFFICE PROPOSALS (____Medical/Dental_____Professional_____Business)

A) Number of Employees: _____
B) Number of doctors/dentists/medical practitioners: _____
C) Days/Hours of Operation: _____

## XI. SERVICE BUSINESS PROPOSALS

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

B) Number of Employees: _____

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

D) Days/Hours of Operation: _____

## XII. MERCANTILE PROPOSALS (Retail_____Wholesale_____)

A) Type of Mercantile (specify): _____

B) Number of Employees: _____

C) Days/Hours of Operation: _____

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

A) Specify Use: _____

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

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

D) Type of Menu: _____

E) Days/Hours of Operation: _____

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

G) Will the restaurant contain a bar/lounge?: _____Yes_____No

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

I) Is a drive-through window proposed? _____

J) Is a walk-up window proposed? _____

K) Is an outdoor seating area proposed? _____

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

M) If yes, is outdoor cooking proposed? _____

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

A) Specify Use: _____

B) Number of shifts (if any): _____

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

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

F) Days/Hours of operation: _____

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

A) Specify: _____

B) Number of shifts (if any): _____

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

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

E) Number of seats in largest assembly space: _____

F) Number of classrooms (schools): _____

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

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

I) Days/Hours of Operation: _____

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

_____

_____

_____

_____

_____

**XVII. APPLICANT CERTIFICATION**

I, Natalie Quinn, agent for applicant, 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.

_____ March 25, 2025

Signature of Applicant Date

KARC
PLANNING CONSULTANTS, INC.

March 24, 2025

To whom it may concern:

Please accept this letter as written authorization that KARC Planning Consultants, Inc. is authorized to sign as Agent on behalf of Kaylas Bhiro, 4 COPNY, LLC , property owner of 53 N Clinton Street, with respect to permits and applications before the City of Poughkeepsie.

Sincerely,

PO Box 924 | Poughkeepsie, NY 12602 | 845.594.1055 | kelly@karcpc.com
DBE Certified | WBE Certified in NY and NJ | US SBA WOSB & EDWOSB Certified

KARC
PLANNING CONSULTANTS, INC.

May 13, 2025

Lori Garcia, Board Administrative Assistant
City of Poughkeepsie Development Department
62 Civic Center Plaza
Poughkeepsie, NY 12601

**Re: 53 N Clinton St**
**Parcel No. 131300-6162-71-288150**
**City of Poughkeepsie**
**Site Plan Application**

Dear Ms. Garcia:

As you are aware, the applicant is seeking to construct a 4-family residential building on a vacant lot located at 53 N Clinton St (Lot 288150). The property is approximately 0.22 acres (9,500 sq ft). The project area is in the Residential Neighborhood C (RNC) District, which is classified as a residential district.

The applicant is proposing to construct a 2-story residential structure with 4 units, which is permitted in the RNC district. The building will be a mix of 2- and 3-bedroom units. Each unit will contain its own entrance to the unit via a covered entryway, one on the street frontage and the remaining three on the south side of the lot connecting directly to a pedestrian walkway along the driveway.

The applicant is providing the required 5 parking spaces in the rear of the lot. Landscaping is proposed around the property to aid in shielding the parking area.

**Below please find responses to the Site Plan Checklist prepared by Judith Knauss dated April 1, 2025:**
*Note: Responses below are for any items marked 'no' on the site plan checklist as well as any additional comments.

- *Does the application comply with the requirements of the Zoning Ordinance?*

  **Response:** The applicant submitted an area variance application to the Zoning Board of Appeals in response to the Deficiency Letter dated April 1, 2025.

- *Professional signature and seal on plan, as required by law.*

**Response:** The plans have been signed and sealed.

- *Approximate boundaries of any areas subject to storm water overflows (reference FEMA 100 year floodplain panel or study).*

  **Response:** The site is not located within a FEMA flood plain per FIRM Map # 36027C0358E as stated in note 2 on site plan sheet CI102.

- *Proposed screening and landscaping with a planting plan and fence details, in keeping with Section 19-6.5 of the Zoning Ordinance.*

  **Response:** Screening and landscaping are proposed on the North side of the property. The ZEO has determined that landscaping is not needed on the South side of the property (driveway aisle) and has eliminated the need of this variance from the applicant.

- *Location, direction, power and time of use of any proposed outdoor lighting or public address systems. Provide an Isometric Footcandle Distribution Diagram, maximum illuminance levels shown in footcandle measurements on a grid of the site showing readings in every ten-foot square, overlaid on the site plan, as a separate sheet or view. One-half (1/2) foot candle is recommended. All lights to be shielded to prevent glare on adjoining properties, including public property.*

  **Response:** A lighting plan has been provided on site plan sheet CI101.

- *An outline of any proposed easements, deed restrictions, covenants or rights-of-way and a notation of any areas to be dedicated to a public agency, and any public improvements contemplated on or adjoining the property. If none, so note.*

  **Response:** There are no proposed easements, deed restrictions, covenants or rights-of-way. Additionally, note 5 on site plan sheet CI102 states there are no existing easements, rights-of-way, setbacks, reservations, or covenants.

- *A determination of storm water quality requirements based on NYSDEC Phase II requirements. Further, ANY improvements within the Fallkill Creek watershed, which has been declared a 202(D) impaired watershed, require full stormwater treatment as per NYSDEC.*

**Response:** The number of stormwater units proposed has been increased to accommodate the enhanced phosphorus reduction watershed. Please see site plan sheet CU101 for more details.

- *Show plans for all proposed stormwater improvements. Applicant shall mitigate storm to historic run-off rates for the 10-year storm.*

  **Response:** The number of stormwater units proposed has been increased to accommodate the 10-year storm requirements. Please see site plan sheet CU101 for more details.

- *No accessible parking space shown.*

  **Response:** An accessible parking space and access aisle has been provided.

**Below please find responses to comments made by City Staff at the April 23, 2025 Planning Board Workshop meeting that are not addressed above.**

- Confirm the building does not need to be sprinklered.

  **Response:** Due to the fire wall separation, the building is classified as two 2-family houses and therefore does not require to be sprinklered.

- The Fire Department requests a Knox box to be provided on site with keys to all units.

  **Response:** A knox box will be provided. A note has been added to site plan sheet CI101.

- Show fire rating separation for the storage area as it is classified as a separate use.

  **Response:** A fire rating separation for the storage area is now shown on the floor plans.

- Add utility connection details to the site plan.

  **Response:** Utility connection details have been added to site plan sheet CU504.

- Add sidewalk pavement detail to the site plan.

  **Response:** Standard sidewalk pavement details have been added to site plan sheet CU503.

- On the West elevations, buildings that are within 5 feet of the property line can have a maximum of 25% for exterior wall openings. Confirm the building meets this requirement.

  **Response:** The exterior wall openings on the North elevation are less than 25%. Please see the calculation directly under the North elevation drawing.

Enclosed, please find the following:

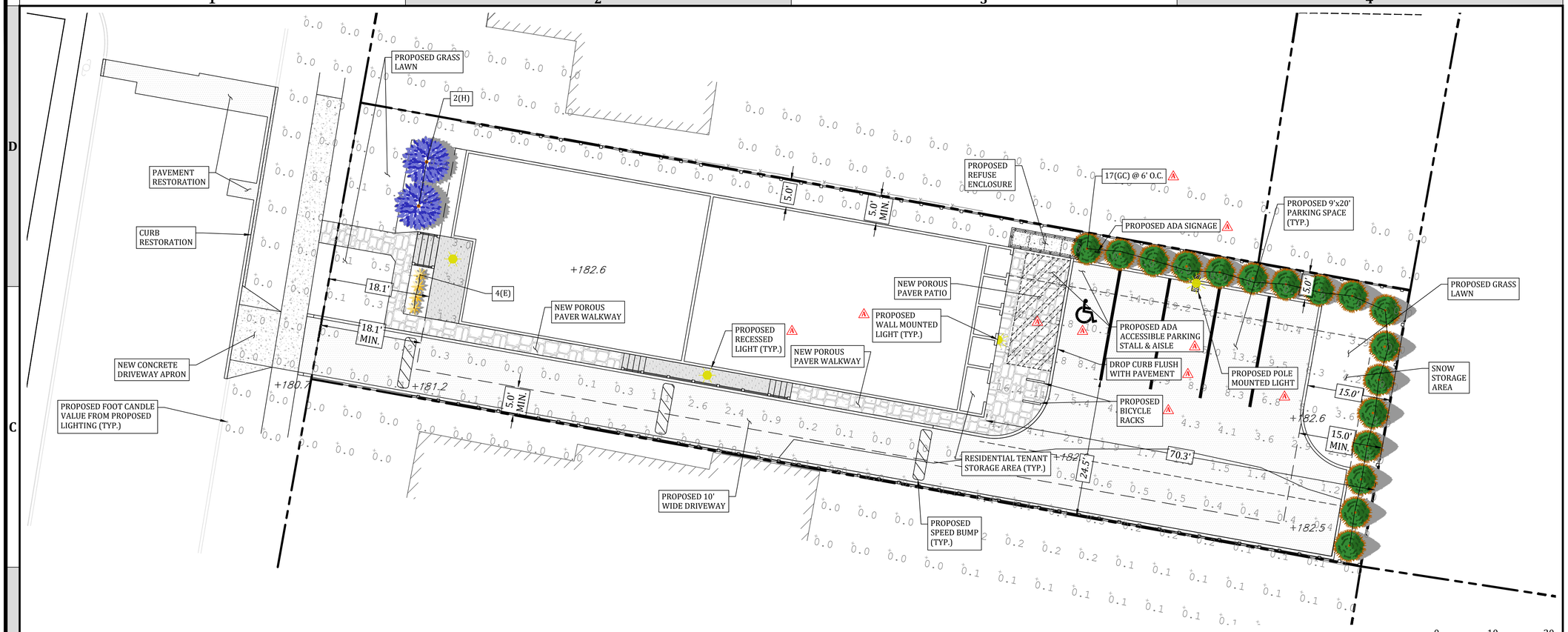
1. Cover Letter with responses to comments
2. Site Plan
3. Elevations
4. SWPPP

Please advise if you require anything further to complete your review.

Thank you.

Sincerely,

_____
Natalie Quinn, Agent for Applicant




1 OVERALL SITE PLAN
SCALE: 1" = 10'

## LIGHTING SCHEDULE

| LOC. | QUANTITY | MANUFACTURER | MODEL NUMBER | HEIGHT | LLF | TOTAL WATTS |
|---|---|---|---|---|---|---|
| POLE MOUNT | 2 | SAVR® | *C-AR-A-SAL3-S22L-SCCT-UL-xx-(75W-40K)* | 12' | 1.000 | 75 |
| WALL MOUNT | 2 | SAVR® | *E-WAP05A-SCCTBZ* | 8' | 1.000 | 35 |
| RECESSED | 3 | SAVR® | *CDR6-B-ALS-9ACK-10V5_xxK_LOW* | 10' | 1.000 | 14 |

**NOTES:**

***- ADDITIONAL REQUIRED EQUIPMENT: (1) E-PS4E15C0DB. LIGHTING DIAGRAM AS PROVIDED BY E-CONOLIGHT® - 1501 96TH STREET, STURTEVANT WISCONSIN, 53177. (888) 243-9445, WWW.E-CONOLIGHT.COM. INSTALL ALL LIGHTING PER MANUFACTURER REQUIREMENTS.***

***- ALL LIGHT FIXTURES SHALL BE SET AT A TEMPERATURE OF 3,000K OR LESS.***

***- CONTRACTOR SHALL INSTALL A REMOTE DIMMER ON RECESSED LIGHTING TO REDUCE LIGHT LEVELS AS NEEDED.***

e-conolight

**SPECIAL EMERGENCY ACCESS NOTE**

***A KNOX BOX SHALL BE PROVIDED FOR EMERGENCY ACCESS TO EACH UNIT (EITHER MASTER KEY OR 4 SEPARATE KEYS).***

**SPECIAL STORAGE NOTE**

***THERE SHALL BE NO STORAGE OF HIGHLY COMBUSTIBLE OR HAZARDOUS MATERIALS IN THE RESIDENTIAL TENANT STORAGE AREAS.***

## PLANTING SCHEDULE

| LABEL | QUANTITY | BOTANICAL NAME | COMMON NAME | SIZE |
|---|---|---|---|---|
| GC | 17 | THUJA STANDISHII X PLICATA | *'GREEN GIANT' ARBORVITAE* | 6' TALL |
| H | 2 | HYDRANGEA | *HORTENSIA* | 3 GAL. |
| E | 4 | ECHINACEA | *CONEFLOWER* | 1 GAL. |

## OFF-STREET PARKING REQUIREMENTS

| DECRIPTION | VEHICLE PARKING SPACES | BICYCLE PARKING SPACES |
|---|---|---|
| MINIMUM REQUIRED | 1.25 SPACES/DWELLING = 5 | 2 |
| PROPOSED CONDITION | 5 | 2 |

## ZONING COMPLIANCE - RNC "RESIDENTIAL NEIGHBORHOOD C" DISTRICT

| DESCRIPTION | PRINCIPAL PERMITTED USES | LOT AREA | | LOT COVERAGE | LOT WIDTH | BUILDING FRONT YARD | BUILDING SIDE YARD | BUILDING REAR YARD | PARKING FRONT YARD | PARKING SIDE YARD | PARKING REAR YARD | BUILDING HEIGHT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| UNITS | MULTI-FAMILY RESIDENCE (4 UNITS) | (SQ. FT.) | (AC.) | (%)-MAX. | (FT.) | (FT.) | (FT.) | (FT.) | (FT.) | (FT.) | (FT.) | (FT.)-MAX. |
| MINIMUM REQUIRED | | 6,000 | 0.14 | 70 | 25.0 | 18.1 | 5.0 | 15.0 | 23.1 | 10.0 | 5.0 | 35.0 |
| PROPOSED CONDITION | 4 UNIT DWELLING | 9,500 | 0.22 | 74.6* | 50.0 | 18.1 | 5.0 | 70.3 | 129.5 | 5.0* | 15.0 | ≤35.0 |

** VARIANCE REQUESTED - BUILDING COVERAGE EXCEEDED BY 4.6%. PROPOSED MITIGATION INCLUDES 569 SQ. FT. OF POROUS PAVER SIDEWALKS AND PATIOS.*

*** VARIANCE REQUESTED - EXISTING LOT WIDTH NOT ADEQUATE FOR VEHICLE PARKING AND VEHICLE MANEUVERING. PROPOSED MITIGATION INCLUDES ROW OF EVERGREEN TREES AS SCREENING WITHIN BUFFER SPACE.*

2 CI101 PROPOSED CONSTRUCTION SEQUENCE

THIS PROJECT INVOLVES THE CONSTRUCTION OF A MULTI-FAMILY RESIDENCE ON A VACANT PARCEL. THE PROJECT REQUIRES CONSTRUCTION OF THE RESIDENTIAL STRUCTURE AND DRIVEWAY ALONG WITH ALL ASSOCIATED UTILITIES TO SERVE THE RESIDENTIAL USE INCLUDING A WATER SERVICE, SANITARY SEWER SERVICE, NATURAL GAS SERVICE, UNDERGROUND ELECTRIC, AND UNDERGROUND COMMUNICATIONS. MEASURES FOR CONVEYING AND TREATING STORMWATER RUNOFF ARE ALSO PROPOSED ALONG WITH THE INSTALLATION OF EROSION AND SEDIMENT CONTROL DEVICES TO PREVENT STORMWATER POLLUTION DURING CONSTRUCTION.

THE FOLLOWING IS AN ANTICIPATED SEQUENCE OF CONSTRUCTION:

1. OBTAIN ALL NECESSARY APPROVALS FROM THE CITY OF POUGHKEEPSIE.
2. CONDUCT A PRE-CONSTRUCTION MEETING
3. FILE NECESSARY PAPERWORK FOR OBTAINING PERMITS FOR ALL PROPOSED ACTIVITIES REQUIRING PERMITS.
4. DELINEATE PROPOSED ON-SITE AREAS OF DISTURBANCE WITH ORANGE CONSTRUCTION FENCE.
5. INSTALL PERIMETER EROSION AND SEDIMENT CONTROLS:
   - 5.1. STABILIZED CONSTRUCTION ENTRANCE
   - 5.2. SILT FENCE
6. ESTABLISH STAGING AREAS FOR CONSTRUCTION EQUIPMENT, CONSTRUCTION MATERIALS AND SOIL STOCKPILING.
7. CLEARING AND GRUBBING OF THE SITE INCLUDING ANY REQUIRED TREE REMOVAL.
8. STRIP TOPSOIL AND STABILIZE IN SOIL STOCKPILES.
9. PROVIDE ROUGH GRADING AND EARTHWORK
10. STABILIZE ALL DISTURBED AREAS.
11. CONSTRUCT FOOTINGS AND FOUNDATION FOR RESIDENCE AND BACKFILL AS NECESSARY.
12. OBTAIN FOUNDATION SURVEY
13. PROCEED WITH FRAMING OF THE RESIDENTIAL STRUCTURE.
14. PROCEED WITH DEMOLITION WORK WITHIN THE PUBLIC RIGHT-OF-WAY IN ORDER TO INSTALL ALL UNDERGROUND UTILITIES INCLUDING THE WATER SERVICE, SANITARY SEWER SERVICE, GAS SERVICE, ELECTRIC SERVICE, COMMUNICATION SERVICE AND PERMANENT STORMWATER CONVEYANCE INFRASTRUCTURE.
15. PROCEED WITH ADDITIONAL DEMOLITION WORK WITHIN THE PUBLIC RIGHT-OF-WAY (I.E., REMOVAL OF CURBING, OLD DRIVEWAY APRON, AND CONCRETE SIDEWALK) AND NOTIFY ENGINEER/MUNICIPALITY/UTILITY COMPANIES FOR INSPECTION OF INSTALLED UNDERGROUND UTILITIES.
16. PROCEED WITH RESTORATION OF ALL DISTURBED AREAS WITHIN THE PUBLIC RIGHT-OF-WAY.
17. FINALIZE CONSTRUCTION INCLUDING HARDSCAPING (I.E., PAVEMENT, PATIOS, WALKWAYS) AND LANDSCAPING (I.E., SHRUBS, PLANTS AND PERMANENT GRASS COVER).
18. FINALIZE SITE STABILIZATION INCLUDING THE REMOVAL OF ALL TEMPORARY EROSION AND SEDIMENT CONTROL PRACTICES (I.E., CONSTRUCTION ENTRANCE, SILT FENCE, INLET PROTECTION) AND REMOVE ORANGE CONSTRUCTION FENCING.
19. REQUEST CERTIFICATE OF OCCUPANCY.

## LIST OF SHEETS

| INCLUDED | SHEET NO. | OF | TOT. SHEETS | SHEET ID | SHEET NAME |
|---|---|---|---|---|---|
| + | 1 | OF | 10 | CI101 | COVER SHEET |
| + | 2 | OF | 10 | CI102 | EXISTING CONDITIONS & DEMOLITION PLAN |
| + | 3 | OF | 10 | CG101 | EROSION & SEDIMENT CONTROL PLAN & DETAILS |
| + | 4 | OF | 10 | CG501 | EROSION & SEDIMENT CONTROL NOTES & CITY OF POUGHKEEPSIE DETAILS |
| + | 5 | OF | 10 | CU101 | GRADING, DRAINAGE & UTILITY PLAN |
| + | 6 | OF | 10 | CU501 | DRAINAGE, SEWER & WATER DETAILS |
| + | 7 | OF | 10 | CU502 | SITE CONSTRUCTION DETAILS |
| + | 8 | OF | 10 | CU503 | CITY OF POUGHKEEPSIE STANDARD RIGHT-OF-WAY DETAILS |
| + | 9 | OF | 10 | CU504 | CITY OF POUGHKEEPSIE STANDARD UTILITY DETAILS |
| + | 10 | OF | 10 | CU505 | CENTRAL HUDSON GAS & ELECTRIC STANDARD UTILITY DETAILS |

**SPECIAL FINANCIAL CAPABILITY NOTE**

***The applicant has the financial capability to complete the proposed development.***

**APPLICANT INFORMATION**

***4 COPNY LLC***
***PO Box 8010***
***Pelham, NY 10803***

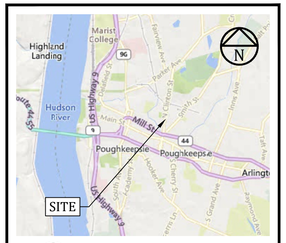
**APPLICANT CONSENT**

***The undersigned representative of this property hereon states that they are familiar with the contents of this plan set and hereby consent to all said terms and conditions as stated herein.***

*Signature* *Date*

*Printed Name & Title*

**APPROVAL BLOCK**




6 LOCATION MAP
1" = 5000'

**TEED ENGINEERING, PLLC**
**NYSDOE COA # 0021016**
**UNTIL 10/31/2026**

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**PROFESSIONAL CERTIFICATION:**

STATE OF NEW YORK · JAMES W. TEED, JR. · 094633 · LICENSED PROFESSIONAL ENGINEER

**JAMES W. TEED, JR.**
**094633**

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TEED ENGINEERING PLLC
CIVIL DESIGN PROFESSIONAL


**TEED ENGINEERING, PLLC**
55 MANSION STREET #535
POUGHKEEPSIE, NY 12601
PHONE: (845) 418-5461
EMAIL: JIM@TEEDENGINEERING.COM


| MARK | # | DESCRIPTION | DATE |
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| | 4 | . | . |
| | 3 | . | . |
| ⚠ | 2 | 04/01/2025 DENIAL LETTER | 05/13/2025 |
| | 1 | INITIAL SUBMISSION | 03/21/2025 |

**SHEET TITLE:**

## COVER SHEET

**PROJECT NAME AND ADDRESS:**
**4 COPNY LLC**
**53 NORTH CLINTON STREET**
**POUGHKEEPSIE, NY 12601**

**TAX MAP ID.: 131300-6162-71-288150-0000**

| SCALE: | PROJECT NO.: |
|---|---|
| 1" = 10' | 2502002 |
| **SHEET NO.:** | **SHEET ID.:** |
| 1 OF 10 | CI101 |


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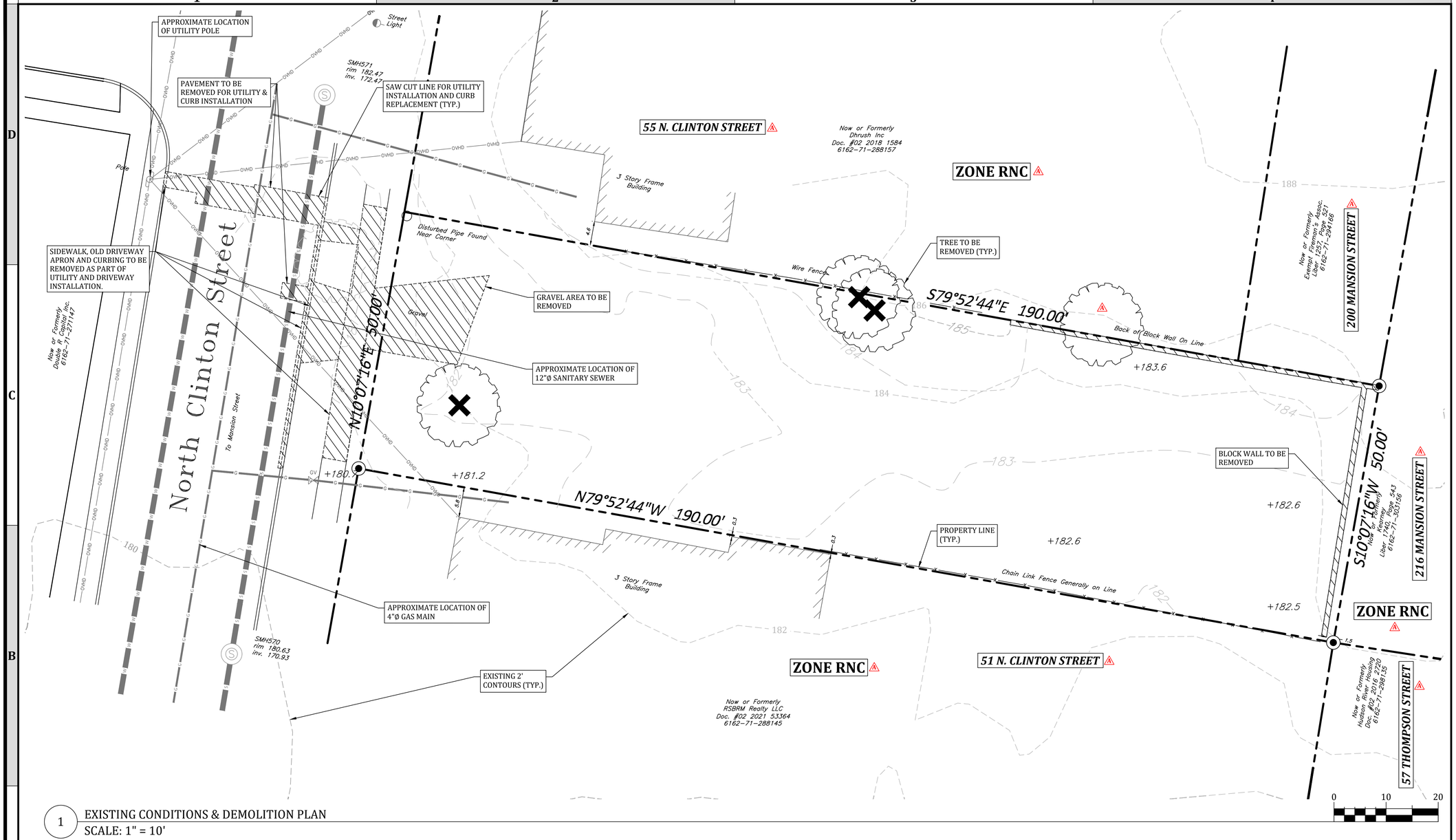


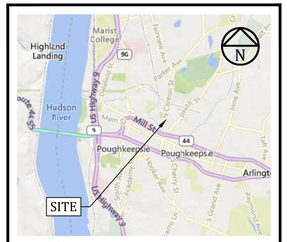

1 EXISTING CONDITIONS & DEMOLITION PLAN
SCALE: 1" = 10'

2 CI102 SITE SPECIFIC NOTES

1. SURVEY & TOPOGRAPHIC INFORMATION SHOWN HEREON WAS TAKEN FROM A COMBINATION OF A LAND SURVEY PREPARED BY BRENDAN JOHNSON, PLS DATED APRIL 23, 2025 AND ENTITLED "MAP OF A SURVEY PREPARED FOR 4 COPNY, LLC"; NYSGIS AERIAL IMAGERY; NYSGIS TOPOGRAPHY (DATUM NAVD-1929); AND VISUAL OBSERVATIONS BY TEED ENGINEERING, PLLC ON JANUARY 27, 2025.
2. ADDITIONAL INFORMATION SHOWN HEREON IS TAKEN FROM INFORMATION OBTAINED FROM CITY OF POUGHKEEPSIE & CENTRAL HUDSON GAS & ELECTRIC RECORDS.
3. THE SITE IS NOT LOCATED WITHIN A FEMA FLOOD PLAIN PER FIRM MAP NUMBER 36027C0358E.
4. THE SITE IS LOCATED WITHIN THE FALLKILL CREEK WATERSHED WHICH IS A NYSDEC CLASSIFIED 303(D) IMPAIRED WATERSHED REQUIRING ENHANCED PHOSPHOROUS REMOVAL.
5. NO EXISTING EASEMENT, RIGHT-OF-WAYS, SETBACKS, RESERVATION, OR COVENANTS WERE NOTED ON SURVEY.
6. NO WATERCOURSES, MARSHES, ROCK OUTCROPS PR WETLANDS EXIST ON SITE.

**USDA/NRCS SOIL DATA CHART**

| SOIL SYMBOL | DESCRIPTION | SPECIAL PROPERTIES |
|---|---|---|
| Ur | URBAN LAND - VARIABLE SUBSTRATUM | *Assumed Hydrologic group D* |




6 LOCATION MAP
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| ⚠2 | 2 | 04/01/2025 DENIAL LETTER | 05/13/2025 |
| | 1 | INITIAL SUBMISSION | 03/21/2025 |

SHEET TITLE:
**EXISTING CONDITIONS & DEMOLITION PLAN**

PROJECT NAME AND ADDRESS:
**4 COPNY LLC**
**53 NORTH CLINTON STREET**
**POUGHKEEPSIE, NY 12601**

TAX MAP ID.: 131300-6162-71-288150-0000

APPROVAL BLOCK

| SCALE: | PROJECT NO.: |
|---|---|
| 1" = 10' | 2502002 |
| SHEET NO.: | SHEET ID.: |
| 2 OF 10 | CI102 |


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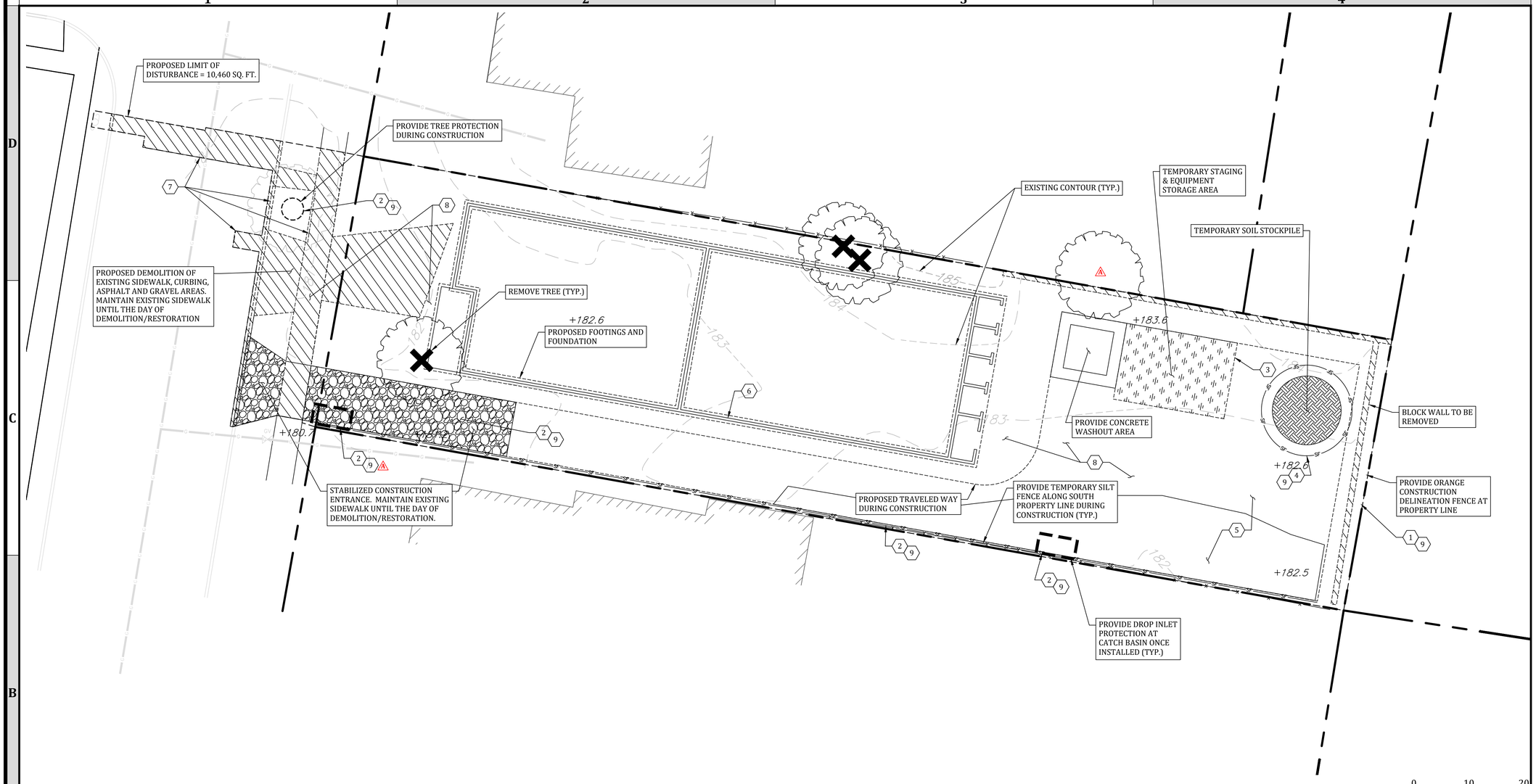


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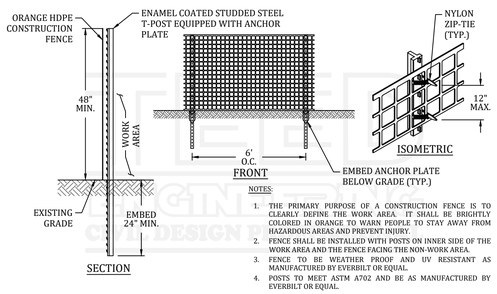
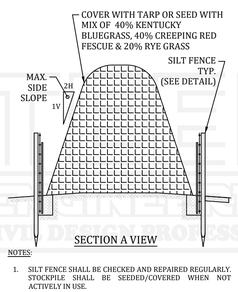
## 1 EROSION & SEDIMENT CONTROL PLAN
SCALE: 1" = 10'



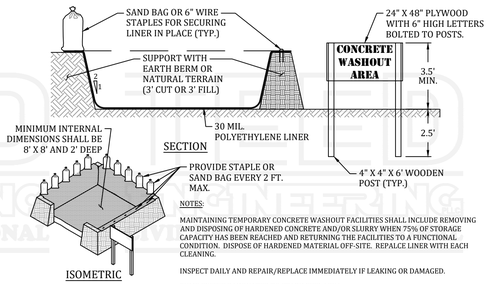

NOTES:
1. THE PRIMARY PURPOSE OF A CONSTRUCTION FENCE IS TO CLEARLY DEFINE THE WORK AREA. IT SHALL BE BRIGHTLY COLORED IN ORANGE TO WARN PEOPLE TO STAY AWAY FROM HAZARDOUS AREAS AND PREVENT INJURY.
2. FENCE SHALL BE INSTALLED WITH POSTS ON INNER SIDE OF THE WORK AREA AND THE FENCE FACING THE NON-WORK AREA.
3. FENCE TO BE WEATHER PROOF AND UV RESISTANT AS MANUFACTURED BY EVERBILT OR EQUAL.
4. POSTS TO MEET ASTM A702 AND BE AS MANUFACTURED BY EVERBILT OR EQUAL.

## 3 PERIMETER CONSTRUCTION DELINEATION FENCE
CG101 NOT TO SCALE




NOTES:
1. SILT FENCE SHALL BE CHECKED AND REPAIRED REGULARLY. STOCKPILE SHALL BE SEEDED/COVERED WHEN NOT ACTIVELY IN USE.

## 4 SOIL STOCKPILE
CG101 NOT TO SCALE




NOTES:
MAINTAINING TEMPORARY CONCRETE WASHOUT FACILITIES SHALL INCLUDE REMOVING AND DISPOSING OF HARDENED CONCRETE AND/OR SLURRY WHEN 75% OF STORAGE CAPACITY HAS BEEN REACHED AND RETURNING THE FACILITIES TO A FUNCTIONAL CONDITION. DISPOSE OF HARDENED MATERIAL OFF-SITE. REPALCE LINER WITH EACH CLEANING.

INSPECT DAILY AND REPAIR/REPLACE IMMEDIATELY IF LEAKING OR DAMAGED.

PUMP EXCESS RAINWATER TO STABILIZED AREA.

## 5 CONCRETE WASHOUT
CG101 NOT TO SCALE

## 4 SPECIAL TREE PROTECTION NOTE
CG101

1. PRIOR TO THE START OF CONSTRUCTION OR EXCAVATION, TREES TO BE RETAINED SHALL BE PROTECTED BY SILT FENCE, SNOW FENCE, CONSTRUCTION FENCE, OR EQUAL, WHICH WILL BE PLACED AT THE DRIP LINE OR SEVERAL FEET BEYOND. HOWEVER, THE FENCING SHALL NOT CROSS PUBLIC SIDEWALKS. NO STORAGE OR STOCKPILING OF CONSTRUCTION MATERIALS, DEBRIS OR EQUIPMENT SHALL OCCUR WITHIN THE FENCED AREA.

## EROSION & SEDIMENT CONTROL SEQUENCE

1. DELINEATE PROPOSED AREAS OF DISTURBANCE WITH ORANGE CONSTRUCTION FENCE.
2. INSTALL PERIMETER EROSION AND SEDIMENT CONTROLS (SILT FENCE & CONSTRUCTION ENTRANCE) AND TREE PROTECTION.
3. ESTABLISH STAGING AREAS FOR CONSTRUCTION EQUIPMENT, CONSTRUCTION MATERIALS AND SOIL STOCKPILING.
4. START DEMOLITION WORK WITHIN PROPERTY LIMITS, STRIP TOPSOIL AND STABILIZE IN SOIL STOCKPILES. REMOVE TREES.
5. PROVIDE ROUGH GRADING AND EARTHWORK.
6. CONSTRUCT FOOTINGS AND FOUNDATION
7. SAW CUT SIDEWALK, PAVEMENT, AND CURBING AND PERFORM UTILITY WORK IN RIGHT-OF-WAY. RESTORE DISTURBED AREAS.
8. COMPLETE HARDSCAPING AND LANDSCAPING WORK
9. STABILIZE ALL DISTURBED AREAS AND REMOVE EROSION AND SEDIMENT CONTROLS & CONSTRUCTION FENCE.

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**SHEET TITLE:**
# EROSION & SEDIMENT CONTROL PLAN & DETAILS

**PROJECT NAME AND ADDRESS:**
**4 COPNY LLC**
**53 NORTH CLINTON STREET**
**POUGHKEEPSIE, NY 12601**

**TAX MAP ID.: 131300-6162-71-288150-0000**

| SCALE: | PROJECT NO.: |
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| **SHEET NO.:** 3 OF 10 | **SHEET ID.:** CG101 |


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## 1 EROSION AND SEDIMENT CONTROL NOTES
CG501

1. ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE IN STRICT COMPLIANCE WITH "NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL", NOVEMBER 2016. REFER ALSO TO "NEW YORK GUIDELINES FOR URBAN EROSION AND SEDIMENT CONTROL"
2. DAMAGE TO SURFACE WATERS RESULTING FROM EROSION AND SEDIMENTATION SHALL BE MINIMIZED BY STABILIZING DISTURBED AREAS AND BY REMOVING SEDIMENT FROM CONSTRUCTION SITE DISCHARGES.
3. AS MUCH AS IS PRACTICAL, EXISTING VEGETATION SHALL BE PRESERVED. FOLLOWING THE COMPLETION OF CONSTRUCTION ACTIVITIES IN ANY PORTION OF THE SITE, PERMANENT VEGETATION SHALL BE ESTABLISHED ON ALL EXPOSED SOILS.
4. SITE PREPARATION ACTIVITIES SHALL BE PLANNED TO MINIMIZE THE SCOPE AND DURATION OF SOIL DISRUPTION.
5. PERMANENT TRAFFIC CORRIDORS SHALL BE ESTABLISHED AND "ROUTES OF CONVENIENCE" SHALL BE AVOIDED. STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT ALL POINTS OF ENTRY ONTO THE PROJECT SITE.
6. SEEDED AREAS TO BE MULCHED WITH STRAW OR HAY MULCH IN ACCORDANCE WITH VEGETATIVE COVER SPECIFICATIONS.
7. THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL MEASURES THROUGHOUT THE COURSE OF CONSTRUCTION.
8. THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING DUST BY SPRINKLING EXPOSED SOIL AREAS PERIODICALLY WITH WATER AS REQUIRED. THE CONTRACTOR IS TO SUPPLY ALL EQUIPMENT AND WATER.
9. WHEN ALL DISTURBED AREAS ARE STABLE, ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED.
10. PRACTICES ARE TO BE INSTALLED PRIOR TO ANY MAJOR SOIL DISTURBANCES, AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED.
11. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH ALL SEDIMENT AND EROSION CONTROL PRACTICES. THE SEDIMENT AND EROSION CONTROL TIMELY MAINTENANCE OF SEDIMENT CONTROL STRUCTURES IS THE RESPONSIBILITY OF THE CONTRACTOR.
12. ALL STRUCTURES SHALL BE MAINTAINED IN GOOD WORKING ORDER AT ALL TIMES. THE SEDIMENT LEVEL IN ALL SEDIMENT TRAPS SHALL BE CLOSELY MONITORED AND SEDIMENT REMOVED PROMPTLY WHEN MAXIMUM LEVELS ARE REACHED OR AS ORDERED BY THE ENGINEER.
13. ALL SEDIMENT CONTROL STRUCTURES SHALL BE INSPECTED WEEKLY, PRIOR TO EXPECTED RAIN EVENTS, AND AFTER EACH HEAVY RAIN TO INSURE PROPER OPERATION AS DESIGNED. AN INSPECTION SCHEDULE SHALL BE SET FORTH PRIOR TO THE START OF CONSTRUCTION.
14. THE LOCATIONS AND THE INSTALLATION TIMES OF THE SEDIMENT CAPTURING STANDARDS SHALL BE AS ORDERED BY THE ENGINEER, AND IN ACCORDANCE WITH ACCEPTED STANDARDS.
15. ALL TOPSOIL NOT TO BE USED FOR FINAL GRADING SHALL BE REMOVED FROM THE SITE IMMEDIATELY AND PLACED IN A STABILIZED STOCKPILE OR FILL AREA. ALL TOPSOIL REQUIRED FOR FINAL GRADING AND STORED ON SITE SHALL BE LIMED,FERTILIZED, TEMPORARILY SEEDED AND MULCHED WITHIN 14 DAYS.
16. ANY DISTURBED AREAS THAT WILL BE LEFT EXPOSED MORE THAN 21 DAYS AND NOT SUBJECT TO CONSTRUCTION TRAFFIC, SHALL IMMEDIATELY RECEIVE TEMPORARY SEEDING. MULCH SHALL BE USED IF THE SEASON PREVENTS THE ESTABLISHMENT OF A TEMPORARY COVER. DISTURBED AREAS SHALL BE LIMED AND FERTILIZED PRIOR TO TEMPORARY SEEDING.
17. ALL DISTURBED AREAS WITHIN 500 FEET OF AN INHABITED DWELLING SHALL BE WETTED AS NECESSARY TO PROVIDE DUST CONTROL.
18. THE CONTRACTOR SHALL KEEP THE ROADWAYS WITHIN THE PROJECT CLEAR OF SOIL AND DEBRIS AND IS RESPONSIBLE FOR ANY STREET CLEANING NECESSARY DURING THE COURSE OF THE PROJECT.
19. SEDIMENT AND EROSION CONTROL STRUCTURES SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE DRAINAGE AREA HAS BEEN PROPERLY STABILIZED BY PERMANENT MEASURES.
20. SOIL SEEDING AND FERTILIZER AMENDMENTS SHALL BE PERFORMED IN ACCORDANCE WITH THE CURRENT EDITION OF "NEW YORK GUIDELINES FOR URBAN EROSION AND SEDIMENT CONTROL".
21. SEDIMENTATION AND EROSION CONTROL MEASURES SHALL BE INSPECTED AND MAINTAINED ON A DAILY BASIS BY THE OWNER'S FIELD REPRESENTATIVE.
22. DUST SHALL BE CONTROLLED BY SPRINKLING OF WATER OR OTHER APPROVED METHODS AS NECESSARY AS DIRECTED BY THE OWNER'S FIELD REPRESENTATIVE. CUTS AND FILLS SHALL NOT ENDANGER ADJOINING PROPERTY, NOR DIVERT SURFACE WATER ONTO ADJOINING PROPERTIES.
23. ALL FILLS SHALL BE COMPACTED TO PROVIDE STABILITY OF MATERIALS AND TO PREVENT SETTLEMENT.
24. EXCAVATIONS AND FILLS TO BE ROLLED, SEALED AND STABILIZED AT COMPLETION OF EACH DAY's WORK.
25. THE OWNER's FIELD REPRESENTATIVE SHALL INSPECT THE DOWNSTREAM CONDITIONS FOR EVIDENCE OF SEDIMENTATION ON A WEEKLY BASIS AND AFTER RAINSTORMS.
26. AS WARRANTED BY FIELD CONDITIONS, SPECIAL ADDITIONAL SEDIMENTATION AND EROSION CONTROL MEASURES MAY BE ADDED TO THIS PLAN BY THE SITE ENGINEER AND TOWN ENGINEER. ANY REVISIONS TO THIS PLAN MUST BE SUBMITTED TO THE SITE ENGINEER. ANY CHANGES DEEMED NECESSARY TO THIS PLAN SHALL BE DICTATED BY THE SITE ENGINEER AS NECESSARY TO CARRY-OUT THE INTENT OF THIS PLAN.

## 4 SEEDING AND MULCHING NOTES
CG501

1. EXPOSED SLOPES AND ALL GRADED AREAS SHALL BE SEEDED WITH THE FOLLOWING GRASS SEED MIX IMMEDIATELY UPON COMPLETION OF ITS CONSTRUCTION, OR IF PLANNED TO BE LEFT UNDISTURBED FOR MORE THAN 21 DAYS. GRASS SEED MIX TO BE APPLIED AT A RATE OF 50 POUNDS PER ACRE IN THE FOLLOWING PROPORTIONS:
   - 1.1. KENTUCKY BLUEGRASS 40%
   - 1.2. CREEPING RED FESCUE 40%
   - 1.3. RYE GRASS 20%
2. GRASS SEED MIX MAY BE APPLIED BY EITHER MECHANICAL OR HYDROSEEDING METHODS. HYDROSEEDING SHALL BE PERFORMED IN ACCORDANCE WITH THE CURRENT EDITION OF THE NYSDOT STANDARD SPECIFICATIONS, CONSTRUCTION AND MATERIALS, SECTION 610-3.02, METHOD No. 1. SEEDED AREAS SHALL BE MULCHED WITH STRAW AT A RATE OF 2 TONS PER ACRE, OR 90 LBS. PER 1,000 SQUARE FEET, SUCH THAT IT FORMS A CONTINUOUS BLANKET.

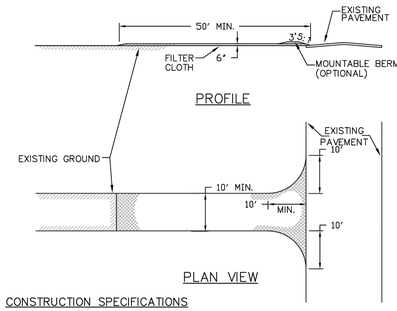
## 2 MAINTENANCE OF EROSION AND SEDIMENT CONTROL MEASURES
CG501

1. PERMANENT AND TEMPORARY VEGETATION: INSPECT ALL AREAS THAT HAVE RECEIVED VEGETATION EVERY SEVEN DAYS. ALL AREAS DAMAGED BY EROSION OR WHERE SEED HAS NOT ESTABLISHED SHALL BE REPAIRED AND RE-STABILIZED IMMEDIATELY.
2. STABILIZED CONSTRUCTION ENTRANCE: INSPECT THE ENTRANCE PAD EVERY SEVEN DAYS. CHECK FOR MUD, SEDIMENT BUILD-UP AND PAD INTEGRITY. MAKE DAILY INSPECTIONS DURING WET WEATHER. RESHAPE PAD AS NEEDED FOR DRAINAGE AND RUNOFF CONTROL. WASH AND REPLACE STONE AS NEEDED. THE STONE IN THE ENTRANCE SHOULD BE WASHED OR REPLACED WHENEVER THE ENTRANCE FAILS TO REDUCE MUD BEING CARRIED OFF-SITE BY VEHICLES. IMMEDIATELY REMOVE MUD AND SEDIMENT TRACKED OR WASHED ONTO PUBLIC ROADS BY BRUSHING OR SWEEPING. REMOVE TEMPORARY CONSTRUCTION ENTRANCE AS SOON AS THEY ARE NO LONGER NEEDED TO PROVIDE ACCESS TO THE SITE.
3. SILT FENCE: INSPECT FOR DAMAGE EVERY SEVEN DAYS. MAKE ALL REPAIRS IMMEDIATELY. REMOVE SEDIMENT FROM THE UP-SLOPE FACE OF THE FENCE BEFORE IT ACCUMULATES TO A HEIGHT EQUAL TO 1/3 THE HEIGHT OF THE FENCE. IF FENCE FABRIC TEARS, BEGINS TO DECOMPOSE, OR IN ANY WAY BECOMES INEFFECTIVE, REPLACE THE AFFECTED SECTION OF FENCE IMMEDIATELY.
4. SOIL STOCKPILE: INSPECT SEDIMENT CONTROL BARRIERS (SILT FENCE OR HAY BALE) AND VEGETATION FOR DAMAGE EVERY SEVEN DAYS. MAKE ALL REPAIRS IMMEDIATELY. REMOVE SEDIMENT FROM THE UP-SLOPE FACE OF THE SEDIMENT CONTROL BARRIER BEFORE IT ACCUMULATES TO A HEIGHT EQUAL TO 1/3 THE HEIGHT OF THE SEDIMENT CONTROL BARRIER. IF SEDIMENT CONTROL BARRIER TEARS, BEGINS TO DECOMPOSE, OR IN ANYWAY BECOMES INEFFECTIVE, REPLACE THE AFFECTED SECTION OF SEDIMENT CONTROL BARRIER IMMEDIATELY. REVEGETATE DISTURBED AREA TO STABILIZE SOIL STOCK PILE. REMOVE THE SEDIMENT CONTROL BARRIER WHEN THE SOIL STOCKPILE HAS BEEN REMOVED.
5. INLET PROTECTION: INSPECT INLET PROTECTION FOR DAMAGE EVERY SEVEN DAYS. MAKE ALL REPAIRS IMMEDIATELY. REMOVE SEDIMENT AS NECESSARY TO PROVIDE FOR ADEQUATE STORAGE VOLUME FOR SUBSEQUENT RAINS.
6. DUST CONTROL: SCHEDULE CONSTRUCTION OPERATIONS TO MINIMIZE THE AMOUNT OF DISTURBED AREAS AT ANY ONE TIME DURING THE COURSE OF WORK. APPLY TEMPORARY SOIL STABILIZATION. TO ELIMINATE DUST AND SEDIMENT BUILDUP ON SITE AND SURROUNDING AREAS. PRACTICES SUCH AS MULCHING, SEEDING, AND SPRAYING (WATER). STRUCTURAL MEASURES (MULCH, SEEDING) SHALL BE INSTALLED IN DISTURBED AREAS BEFORE SIGNIFICANT BLOWING PROBLEMS DEVELOP. WATER SHALL BE SPRAYED AS NEEDED. REPEAT AS NEEDED, BUT AVOID EXCESSIVE SPRAYING, WHICH COULD CREATE RUNOFF AND EROSION PROBLEMS.

## 3 CONSTRUCTION WASTE MANAGEMENT NOTES
CG501

CONSTRUCTION WASTE MANAGEMENT PRACTICES ARE DESIGNED TO MAINTAIN A CLEAN AND ORDERLY WORK ENVIRONMENT. THIS WILL REDUCE THE POTENTIAL FOR SIGNIFICANT MATERIALS TO COME INTO CONTACT WITH STORMWATER. A MAINTENANCE SCHEDULE SHALL BE DEVELOPED FOR THESE AREAS. THE GENERAL CONTRACTOR SHALL IMPLEMENT THE FOLLOWING PRACTICES:

1. MATERIAL RESULTING FROM THE CLEARING AND GRUBBING OPERATION WILL BE STOCKPILED UP SLOPE FROM ADEQUATE SEDIMENTATION CONTROLS.
2. EQUIPMENT CLEANING, MAINTENANCE, AND REPAIR AREAS SHALL BE DESIGNATED AND PROTECTED BY A TEMPORARY PERIMETER BERM.
3. THE USE OF DETERGENTS FOR LARGE SCALE WASHING IS PROHIBITED (I.E., VEHICLES, BUILDINGS, PAVEMENT SURFACES, ETC.).
4. A SPILL PREVENTION AND RESPONSE PLAN SHALL BE DEVELOPED FOR THE SITE BY THE GENERAL CONTRACTOR. THE PLAN SHALL DETAIL THE STEPS NEEDED TO BE FOLLOWED IN THE EVENT OF AN ACCIDENTAL SPILL AND SHALL IDENTIFY CONTACT NAMES AND PHONE NUMBERS OF PEOPLE AND AGENCIES THAT MUST BE NOTIFIED. THE PLAN SHALL INCLUDE MATERIAL SAFETY DATA SHEETS (MSDS) FOR ALL MATERIALS TO BE STORED ON-SITE. ALL WORKERS ON-SITE WILL BE REQUIRED TO BE TRAINED ON SAFE HANDLING AND SPILL PREVENTION PROCEDURES FOR ALL MATERIALS USED DURING CONSTRUCTION. REGULAR TAILGATE SAFETY MEETINGS SHALL BE HELD AND ALL WORKERS THAT ARE EXPECTED ON THE SITE DURING THE WEEK SHALL BE REQUIRED TO ATTEND.
5. MATERIAL STORAGE CONSTRUCTION MATERIALS SHALL BE STORED IN A DEDICATED STAGING AREA. THE STAGING AREA SHALL BE LOCATED IN AN AREA THAT MINIMIZES THE IMPACTS OF THE CONSTRUCTION MATERIALS EFFECTING STORMWATER QUALITY. CHEMICALS, PAINTS, SOLVENTS, FERTILIZERS, AND OTHER TOXIC MATERIAL MUST BE STORED IN WATERPROOF CONTAINERS. EXCEPT DURING APPLICATION, THE CONTENTS MUST BE KEPT IN TRUCKS OR WITHIN STORAGE FACILITIES. RUNOFF CONTAINING SUCH MATERIAL MUST BE COLLECTED, REMOVED FROM THE SITE, TREATED AND DISPOSED AT AN APPROVED SOLID WASTE OR CHEMICAL DISPOSAL FACILITY.
6. TEMPORARY CONCRETE WASHOUT FACILITY TEMPORARY CONCRETE WASHOUT FACILITIES SHOULD BE LOCATED A MINIMUM OF 50 FT FROM STORM DRAIN INLETS, OPEN DRAINAGE FACILITIES, AND WATERCOURSES. EACH FACILITY SHOULD BE LOCATED AWAY FROM CONSTRUCTION TRAFFIC OR ACCESS AREAS TO PREVENT DISTURBANCE OR TRACKING. A SIGN SHOULD BE INSTALLED ADJACENT TO EACH WASHOUT FACILITY TO INFORM CONCRETE EQUIPMENT OPERATORS TO UTILIZE THE PROPER FACILITIES. WHEN TEMPORARY CONCRETE WASHOUT FACILITIES ARE NO LONGER REQUIRED FOR THE WORK, THE HARDENED CONCRETE SHALL BE REMOVED AND DISPOSED OF. MATERIALS USED TO CONSTRUCT THE TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE REMOVED FROM THE SITE AND DISPOSED OF. HOLES, DEPRESSIONS OR OTHER GROUND DISTURBANCE CAUSED BY THE REMOVAL OF THE TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE BACKFILLED AND/OR REPAIRED AND SEEDED AND MULCHED FOR FINAL STABILIZATION.
7. SOLID WASTE DISPOSAL NO SOLID MATERIALS, INCLUDING BUILDING MATERIALS, ARE ALLOWED TO BE DISCHARGED FROM THE SITE WITH STORMWATER. ALL SOLID WASTE, INCLUDING DISPOSABLE MATERIALS INCIDENTAL TO THE MAJOR CONSTRUCTION ACTIVITIES, MUST BE COLLECTED AND PLACED IN CONTAINERS. THE CONTAINERS WILL BE EMPTIED PERIODICALLY BY A CONTRACT TRASH DISPOSAL SERVICE AND HAULED AWAY FROM THE SITE. SUBSTANCES THAT HAVE THE POTENTIAL FOR POLLUTING SURFACE AND/OR GROUNDWATER MUST BE CONTROLLED BY WHATEVER MEANS NECESSARY IN ORDER TO ENSURE THAT THEY DO NOT DISCHARGE FROM THE SITE. AS AN EXAMPLE, SPECIAL CARE MUST BE EXERCISED DURING EQUIPMENT FUELING AND SERVICING OPERATIONS. IF A SPILL OCCURS, IT MUST BE CONTAINED AND DISPOSED SO THAT IT WILL NOT FLOW FROM THE SITE OR ENTER GROUNDWATER, EVEN IF THIS REQUIRES REMOVAL, TREATMENT, AND DISPOSAL OF SOIL. IN THIS REGARD, POTENTIALLY POLLUTING SUBSTANCES SHOULD BE HANDLED IN A MANNER CONSISTENT WITH THE IMPACT THEY REPRESENT.
8. WATER SOURCE NON-STORMWATER COMPONENTS OF SITE DISCHARGE MUST BE CLEAN WATER. WATER USED FOR CONSTRUCTION, WHICH DISCHARGES FROM THE SITE, MUST ORIGINATE FROM A PUBLIC WATER SUPPLY OR PRIVATE WELL APPROVED BY THE HEALTH DEPARTMENT. WATER USED FOR CONSTRUCTION THAT DOES NOT ORIGINATE FROM AN APPROVED PUBLIC SUPPLY MUST NOT DISCHARGE FROM THE SITE. IT CAN BE RETAINED IN THE PONDS UNTIL IT INFILTRATES AND EVAPORATES.

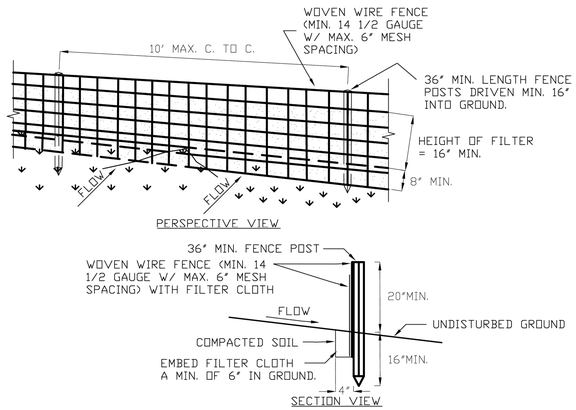



CONSTRUCTION SPECIFICATIONS

1. Stone Size – Use 2" stone, or reclaimed or recycled concrete equivilent.
2. Length – As required, but not less than 50 feet (except on a single residence lot where a 30 foot minimum length would apply).
3. Thickness – Not less than six (6) inches.
4. Width – Ten (10) foot minimum, but not less than the full width at points where ingress or egress occurs.
5. Filter Cloth – Will be placed over the entire area prior to placing of stone. Filter will not be required on a single family residence lot.
6. Surface Water – All surface water flowing or diverted toward construction entrances shall be piped across the entrance. If piping is impractical, a mountable berm with 5:1 slopes will be permitted.
7. Maintenance – The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public rights–of–way. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleanout of any measures used to trap sediment. All sediment spilled, dropped, washed or tracked onto public rights–of–way must be removed immediately.
8. Washing – Wheels shall be cleaned to remove sediment prior to entrance onto public rights–of–way. When washing is required, it shall be done on an area stabilized with stone and which drains into an approved sediment trapping device.
9. Periodic inspection and needed maintenance shall be provided after each rain.

# STABILIZED CONSTRUCTION ENTRANCE

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




# 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<br>62 CIVIC CENTER PLAZA<br>POUGHKEEPSIE, NY 12601 | | SILT FENCE ⚠ | DATE:<br>9/18/2014 |

APPROVAL BLOCK


UDIG·NY SAFE DIGGING STARTS HERE

TEED ENGINEERING, PLLC
NYSDOE COA # 0021016
UNTIL 10/31/2026
SCAN HERE

PROFESSIONAL CERTIFICATION:
STATE OF NEW YORK · JAMES W. TEED, JR. · 094633 · LICENSED PROFESSIONAL ENGINEER
JAMES W. TEED, JR.
094633



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TEED ENGINEERING
CIVIL DESIGN PROFESSIONAL

TEED ENGINEERING, PLLC
55 MANSION STREET #535
POUGHKEEPSIE, NY 12601
PHONE: (845) 418-5461
EMAIL: JIM@TEEDENGINEERING.COM


| MARK | # | DESCRIPTION | DATE |
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| | 4 | - | - |
| | 3 | - | - |
| ⚠ | 2 | 04/01/2025 DENIAL LETTER | 05/13/2025 |
| | 1 | INITIAL SUBMISSION | 03/21/2025 |

SHEET TITLE:
**EROSION & SEDIMENT CONTROL NOTES & CITY OF POUGHKEEPSIE DETAILS**

PROJECT NAME AND ADDRESS:
**4 COPNY LLC**
**53 NORTH CLINTON STREET**
**POUGHKEEPSIE, NY 12601**

TAX MAP ID.: 131300-6162-71-288150-0000

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|---|---|
| SCALE: N/A | PROJECT NO.: 2502002 |
| SHEET NO.: 4 OF 10 | SHEET ID.: CG501 |


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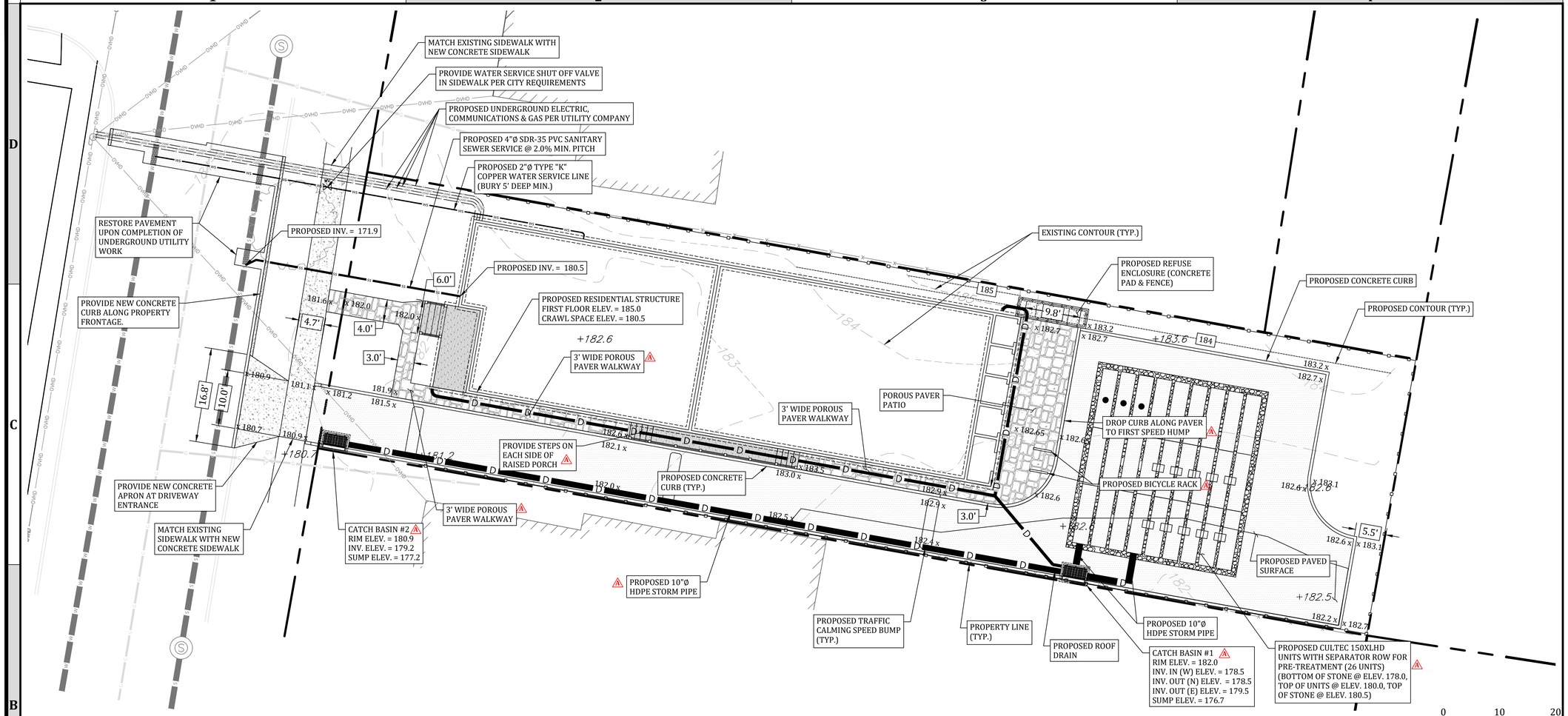
LAST PLOTTED BY: TEED ENGINEERING PLLC | 5/13/2025 8:20 AM




1 GRADING, DRAINAGE & UTILITY PLAN

SCALE: 1" = 10'

2 TEED ENGINEERING, PLLC STANDARD NOTES

CU101

1. THERE SHALL BE NO MODIFICATION TO ANY ASPECT OF THIS PLAN WITHOUT FIRST CONTACTING TEED ENGINEERING, PLLC FOR ACCEPTANCE. IF UNFORESEEN SUBSURFACE CONDITIONS ARE ENCOUNTERED, WORK SHALL BE STOPPED AND NECESSARY MODIFICATIONS SHALL BE DISCUSSED AND APPROVED BY TEED ENGINEERING, PLLC. A PRE-CONSTRUCTION MEETING SHALL BE HELD WITH TEED ENGINEERING, PLLC BEFORE CONSTRUCTION BEGINS.
2. TEED ENGINEERING, PLLC MAKES NO REPRESENTATION OR CERTIFICATIONS AS TO THE INTEGRITY, LOCATION OR EXISTENCE OF SUBSURFACE STRUCTURES OR SOIL CONDITIONS UNLESS EXPLICITLY STATED ON THIS PLAN.
3. IT IS THE OWNER AND CONTRACTOR'S RESPONSIBILITY TO PLACE IMPROVEMENTS ON MATERIAL WITH A SUITABLE BEARING CAPACITY AND TO VERIFY THE QUANTITY OF MATERIALS TO BE REMOVED OR DELIVERED TO THE SITE TO SUCCESSFULLY COMPLETE THIS PROJECT.
4. ALL UNDERGROUND CONSTRUCTION SHALL BE INSPECTED BY TEED ENGINEERING, PLLC PRIOR TO BACKFILLING.
5. IT IS THE OWNER AND CONTRACTOR'S RESPONSIBILITY TO OBTAIN ANY AND ALL LOCAL PERMITS REQUIRED FOR COMPLETION OF THIS PROJECT.
6. THE MATERIALS AND SPECIFICATIONS NOTED ON THE PLANS MUST BE UTILIZED UNLESS ALTERNATIVES ARE ACCEPTED AND APPROVED IN WRITING BY TEED ENGINEERING, PLLC.
7. FOLLOW ALL MANUFACTURER INSTRUCTIONS FOR COMPONENT INSTALLATION UNLESS OTHERWISE DIRECTED BY TEED ENGINEERING, PLLC.
8. PRIOR TO EXCAVATING, ALL UNDERGROUND UTILITIES MUST BE LOCATED BY THE APPROPRIATE UTILITY AGENCY.
9. EROSION & SEDIMENT CONTROLS TO BE INSTALLED PER NYSDEC STANDARDS.
10. IN THE EVENT THAT FIELD CONDITIONS ARE DIFFERENT THAN WHAT IS PRESENTED IN THIS PLAN SET, IT IS THE RESPONSIBILITY OF THE OWNER AND/OR CONTRACTOR TO NOTIFY TEED ENGINEERING, PLLC PRIOR TO CONTINUING WITH ANY FURTHER SITE WORK.
11. IF UNFORESEEN SUBSURFACE CONDITIONS ARE ENCOUNTERED (I.E. ROCK, GROUNDWATER, ETC.), THE OWNER AND/OR CONTRACTOR SHALL STOP WORK AND NOTIFY TEED ENGINEERING, PLLC. ALL NECESSARY MODIFICATIONS OR CHANGES SHALL BE DISCUSSED WITH AND APPROVED BY TEED ENGINEERING, PLLC PRIOR TO CONTINUING WITH ANY FURTHER SITE WORK. FURTHERMORE, THE OWNER AND/OR CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS IF BLASTING IS REQUIRED.
12. IT IS THE OWNER AND/OR CONTRACTOR'S SOLE RESPONSIBILITY TO FOLLOW OSHA, NYS AND ANY OTHER APPLICABLE CODES OR REQUIREMENTS THROUGHOUT THE DURATION OF THE PROJECT. THIS INCLUDES BUT IS NOT LIMITED TO PROVIDING ADEQUATE BRACING AND GUARANTEEING THE STABILITY OF EXCAVATIONS AND OTHER VICINITY STRUCTURES.
13. TEED ENGINEERING, PLLC MAKES NO REPRESENTATION AS TO THE QUALITY (I.E. CONTAMINATION), IF ANY, OF THE SOILS ON THIS SITE. THE OWNER AND/OR CONTRACTOR IS RESPONSIBLE TO CONDUCT ANY AND ALL TESTING AS MAY BE REQUIRED TO ENSURE THE SITE HAS NO CONTAMINATED SOILS.

2 VICINITY MAP

1" = 2000'

TEED ENGINEERING, PLLC
NYSDOE COA # 0021016
UNTIL 10/31/2026

SCAN HERE

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PROFESSIONAL CERTIFICATION:

STATE OF NEW YORK · JAMES W. TEED JR. · LICENSED PROFESSIONAL ENGINEER · 094633

JAMES W. TEED, JR.
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CIVIL DESIGN PROFESSIONAL


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| MARK | # | DESCRIPTION | DATE |
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| ⚠ | 2 | 04/01/2025 DENIAL LETTER | 05/13/2025 |
| | 1 | INITIAL SUBMISSION | 03/21/2025 |

SHEET TITLE:

GRADING, DRAINAGE & UTILITY PLAN

PROJECT NAME AND ADDRESS:

4 COPNY LLC
53 NORTH CLINTON STREET
POUGHKEEPSIE, NY 12601

TAX MAP ID.: 131300-6162-71-288150-0000

| SCALE: | PROJECT NO.: |
|---|---|
| 1" = 10' | 2502002 |
| SHEET NO.: | SHEET ID.: |
| 5 OF 10 | CU101 |

APPROVAL BLOCK

4 COPNY LLC 53 NORTH CLINTON STREET POUGHKEEPSIE, NY 12601


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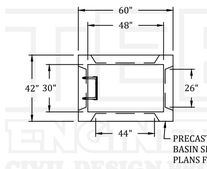
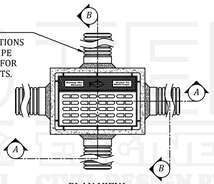
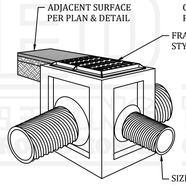


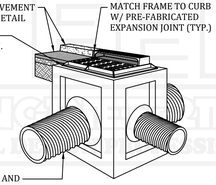

PLAN VIEW (LESS FRAME/GRATE W/ DIMENSIONS)



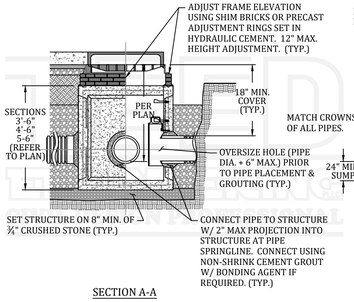

PLAN VIEW



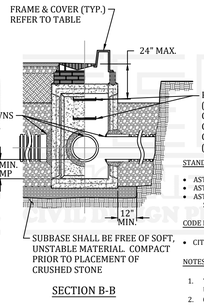

ISOMETRIC VIEW (DROP INLET)




ISOMETRIC VIEW (CURB INLET)




SECTION A-A




SECTION B-B

PROVIDE COPOLYMER POLYPROPYLENE STEPS (REINFORCED WITH #4 REBAR) AT 12" ON CENTER FOR STRUCTURES HAVING A DEPTH OF GREATER THAN 48" AS MEASURED FROM THE GRATE TO THE FLOOR OF THE STRUCTURE. (TYP.)

STANDARD SPECIFICATION REFERENCES:

- ASTM A48 - STANDARD SPECIFICATION FOR GRAY IRON CASTINGS
- ASTM A615 - STANDARD SPECIFICATION FOR DEFORMED AND PLAIN CARBON-STEEL BARS
- ASTM C857 - STANDARD PRACTICE FOR MINIMUM STRUCTURAL DESIGN LOADING FOR UNDERGROUND PRECAST CONCRETE UTILITY STRUCTURES.

CODE REFERENCES:

- CITY OF POUGHKEEPSIE CODE.

NOTES:

1. THE PRIMARY PURPOSE OF CATCH BASIN IS TO COLLECT STORMWATER FROM THE SURFACE AND ROUTE IT TO ANOTHER LOCATION VIA UNDERGROUND PIPING.
2. CATCH BASIN SHALL BE INSTALLED TO MAINTAIN LEVELNESS IN ALL DIRECTIONS.
3. CATCH BASIN SHALL BE CONSTRUCTED OF CONCRETE HAVING A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS OF AGE.
4. ALL WALLS, BOTTOM AND TOP SHALL CONTAIN REINFORCING AND SHALL BE DESIGNED TO ASSURE AASHTO HS-20 LOADING AT 25% IMPACT.
5. BACKFILL AGAINST STRUCTURE SHALL BE COMPACTED TO 95% MODIFIED PROCTOR TO AVOID SETTLEMENT.
6. PRECAST CONCRETE CATCH BASIN SECTIONS SHALL BE AS MANUFACTURED BY WOODARD'S CONCRETE PRODUCTS, INC. MODEL "CB-30X48" OR APPROVED EQUAL ORDERED TO REQUIRED DEPTH PER PLAN WITH FINAL ADJUSTMENTS MADE WITH SHIM BRICKS OR PRECAST CONCRETE RINGS AS MANUFACTURED BY WOODARD'S CONCRETE PRODUCTS, INC, OR APPROVED EQUAL.
7. ALL JOINTS SHALL BE SEALED WITH BUTYL RUBBER SEALANT.
8. FRAME AND GRATE SHALL BE AS MANUFACTURED BY CAMPBELL FOUNDRY. CURB INLET FRAME AND GRATE SHALL BE MODEL "GRATE-CI" (PATTERN #2617) OR APPROVED EQUAL. DROP INLET FRAME AND GRATE SHALL BE MODEL "GRATE-30X48" (PATTERN #3408) OR APPROVED EQUAL.
9. STEPS (IF PROVIDED) SHALL BE AS MANUFACTURED BY WOODARD'S CONCRETE PRODUCTS, INC. OR APPROVED EQUAL. STEPS SHALL EMBED INTO STRUCTURE WALL 3⅛" AND SHALL COMPLY WITH ALL OSHA REGULATIONS.
10. FIRST PIPE COUPLER SHALL BE 18" FROM WALL OR ENCASED IN FLOWABLE FILL.
11. WHERE CATCH BASIN DEPTH EXCEEDS 7 FT., WALL THICKNESS SHALL BE 8" MIN.

SPECIAL NOTES

1. THE OUTLET PIPE TO THE UNDERGROUND INFILTRATION SYSTEM SHALL BE FITTED WITH A STANDARD CAST IRON TRAP AS MANUFACTURED BY CAMPBELL FOUNDRY PATTERN NUMBER 2563 OR APPROVED EQUAL.

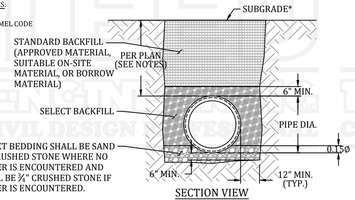
1 CU501 CATCH BASIN
NOT TO SCALE

STANDARD SPECIFICATION REFERENCES:

- ASTM D2321 - STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY-FLOW APPLICATIONS.
- ASTM D1557 - STANDARD TEST METHODS FOR LABORATORY COMPACTION CHARACTERISTICS OF SOIL USING MODIFIED EFFORT.

CODE REFERENCES:

- TOWN OF CARMEL CODE




SECTION VIEW

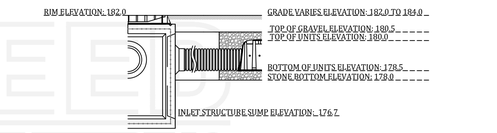
NOTES:

1. ALL PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS", LATEST ADDITION
2. MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF NATIVE FINES INTO BACKFILL MATERIAL.
3. WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL CONTACT THE DESIGN ENGINEER. IF NECESSARY, THE DESIGN ENGINEER MAY DIRECT THAT THE CONTRACTOR EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE ENGINEER. AS AN ALTERNATIVE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL.
4. THE MINIMUM COVER IN NON-TRAFFIC APPLICATIONS (GRASS OR LANDSCAPE AREAS) IS 12" FROM THE TOP OF PIPE TO GROUND SURFACE. ADDITIONAL COVER MAY BE REQUIRED TO PREVENT FLOTATION. FOR TRAFFIC APPLICATIONS, MINIMUM COVER, IS 12" FOR UP TO 48" Ø PIPE AND 24" OF COVER FOR 60" Ø PIPE, MEASURED FROM TOP OF PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TO TOP OF RIGID PAVEMENT.
5. SHEETING AND BRACING SHALL BE USED IN ACCORDANCE WITH OSHA RULES AND REGULATIONS WHERE REQUIRED. SHEETING & BRACING ARE REQUIRED WHERE TRENCH DEPTHS EXCEED 5' IN HEIGHT. SHEETING & BRACING ARE ALSO REQUIRED WHEN CLAY, SILT LOAM OR NON SOILS ARE ENCOUNTERED.
6. ALL DRAINAGE PIPING TO BE AS SPECIFIED ON SITE DEVELOPMENT PLANS.
7. DRAINAGE PIPE RUNS SHALL HAVE A MINIMUM SLOPE OF 0.5%.
8. NO ROCK SHALL PROJECT WITHIN THE SURFACE OF THE TRENCH AND ALL ROCK SHALL BE A MINIMUM OF 12" FROM THE PIPE HORIZONTALLY. IF BEDROCK IS ENCOUNTERED DURING INSTALLATION, IT SHALL BE EXCAVATED TO A MINIMUM DEPTH OF 6" BELOW BOTTOM OF PIPE AND REPLACED WITH 6" OF SAND.
9. DEBRIS, FROZEN MATERIAL, LARGE CLODS OR STONES, ORGANIC MATTER OR OTHER UNSUITABLE MATERIALS SHALL NOT BE USED AS BACKFILL.
10. BACKFILL SHALL BE PLACED SO AS NOT TO DISTURB THE PIPE ALIGNMENT.
11. SELECT BACKFILL MATERIAL SHALL BE PLACED IN 6" LIFTS (PRIOR TO COMPACTION) AND COMPACTED WITH A MECHANICAL TAMPER TO NOT LESS THAN 95% MINIMUM DRY DENSITY UNDER PAVED AND BUILDING AREAS AND 92% MINIMUM MODIFIED DENSITY IN NON PAVED AND NON BUILDING AREAS. COMPACTION SHALL BE IN ACCORDANCE WITH ASTM DESIGNATION D-1557.
12. SELECT BEDDING SHALL BE SAND OR CRUSHED STONE WHERE NO WATER IS ENCOUNTERED AND SHALL BE 3/4" CRUSHED STONE IF WATER IS ENCOUNTERED.

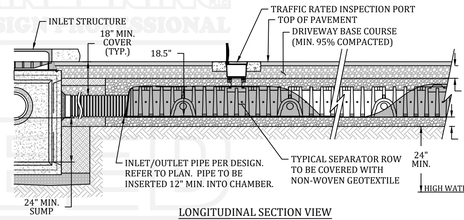
ANNOTATION NOTES:

* SEE PLAN AND OTHER DETAILS FOR FINISHED GRADE. WHERE UNDER PAVED SURFACES, SEE PAVED SURFACE DETAIL.

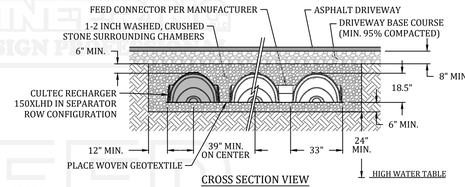
2 CU501 STORM PIPE
NOT TO SCALE




REFERENCE ELEVATIONS




LONGITUDINAL SECTION VIEW

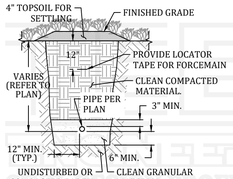



CROSS SECTION VIEW

NOTES:

1. EQUIP LAST UNIT IN SEPARATOR ROW WITH TRAFFIC RATED INSPECTION PORT. INSTALL PER MANUFACTURER.
2. NON-WOVEN GEOTEXTILE TO BE INSTALLED BENEATH FEED CONNECTORS, BENEATH ALL INLET/OUTLET PIPES FOR SCOUR PROTECTION, AND BENEATH SEPARATOR ROW. EXTEND 12' DOWN CHAMBER ROWS AT INLETS AND OUTLET PIPES.
3. NON-WOVEN GEOTEXTILE TO BE INSTALLED AROUND TOP, SIDES AND BOTTOM OF STONE AT INTERFACE WITH EXCAVATED SOILS.
4. INSTALL CHAMBERS PER ALL MANUFACTURER SPECIFICATIONS AND REQUIREMENTS.

3 CU501 CULTEC RECHARGER 150XLHD
NOT TO SCALE

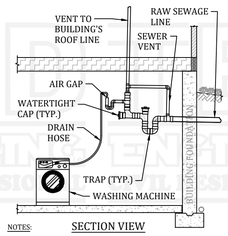



SECTION VIEW

NOTES:

1. BACKFILL SHALL BE PLACED IN 12" LIFTS AND SO AS NOT TO DISTURB THE PIPE ALIGNMENT.
2. NO ROCK, DEBRIS, FROZEN MATERIAL, LARGE CLODS OR ORGANIC MATTER SHALL PROJECT WITHIN THE LIMITS OF THE TRENCH. IF BEDROCK IS ENCOUNTERED DURING INSTALLATION, IT SHALL BE EXCAVATED TO A MINIMUM DEPTH OF 6" BELOW BOTTOM OF PIPE AND REPLACED WITH 6" OF SAND.

4 CU501 SEWER PIPE
NOT TO SCALE

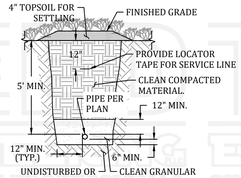



SECTION VIEW

NOTES:

1. ALL JOINTS SHALL BE WATERTIGHT.
2. BELLS SHALL FACE UPSTREAM AND SPIGOTS SHALL FACE DOWNSTREAM.
3. ALL INTERNAL PLUMBING SHALL COMPLY WITH LOCAL PLUMBING AND BUILDING CODES.

5 CU501 SEWER VENTING
NOT TO SCALE




SECTION VIEW

NOTES:

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6 CU501 WATER SERVICE LINE
NOT TO SCALE

APPROVAL BLOCK

4 COPNY LLC 53 NORTH CLINTON STREET POUGHKEEPSIE, NY 12601

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TEED ENGINEERING, PLLC
NYSDOE COA # 0021016
UNTIL 10/31/2026

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PROFESSIONAL CERTIFICATION:

STATE OF NEW YORK · JAMES W. TEED, JR. · LICENSED PROFESSIONAL ENGINEER · 094633

JAMES W. TEED, JR.
094633

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TEED ENGINEERING CIVIL DESIGN PROFESSIONAL

TEED ENGINEERING, PLLC
55 MANSION STREET #535
POUGHKEEPSIE, NY 12601
PHONE: (845) 418-5461
EMAIL: JIM@TEEDENGINEERING.COM

| MARK | # | DESCRIPTION | DATE |
|---|---|---|---|
| | 4 | . | . |
| | 3 | . | . |
| 3 | 2 | 04/01/2025 DENIAL LETTER | 05/13/2025 |
| | 1 | INITIAL SUBMISSION | 03/21/2025 |

SHEET TITLE:
DRAINAGE, SEWER & WATER DETAILS

PROJECT NAME AND ADDRESS:
4 COPNY LLC
53 NORTH CLINTON STREET
POUGHKEEPSIE, NY 12601

TAX MAP ID.: 131300-6162-71-288150-0000

| SCALE: | PROJECT NO.: |
|---|---|
| AS SHOWN | 2502002 |
| SHEET NO.: 6 OF 10 | SHEET ID.: 3 CU501 |

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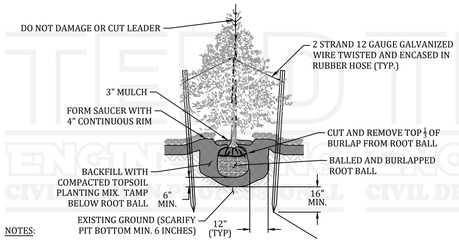
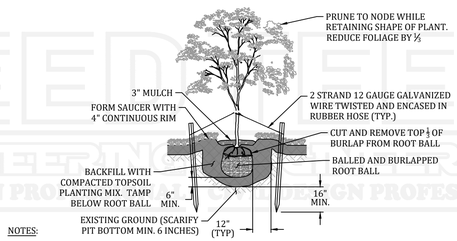
DRAWING REFERENCE: 2502002CU101_C.DWG
LAST PLOTTED BY: TEED ENGINEERING PLLC | 5/13/2025 8:20 AM




NOTES:

1. DO NOT DAMAGE MAIN ROOTS OR DESTROY ROOT BALL WHEN INSTALLING TREE STAKES.
2. WATER THOROUGHLY AFTER INSTALLATION
3. REMOVE TREE RINGS AND STAKES TWO YEARS AFTER INSTALLATION.
4. THOROUGHLY BLEND TOPSOIL MIX BEFORE BACKFILLING THE PLANTING HOLE AROUND THE TREE ROOT BALL. TOPSOIL MIX SHALL CONSIST OF 50% SCREENED TOPSOIL, 25% COMPOST OR OTHER ORGANIC MATTER AND 25% COARSE SAND.

1 CU502 — CONIFEROUS TREE PLANTING
NOT TO SCALE

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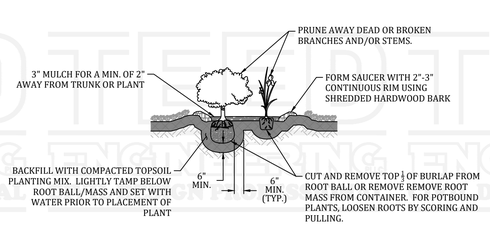
2. WATER THOROUGHLY AFTER INSTALLATION
3. REMOVE TREE RINGS AND STAKES TWO YEARS AFTER INSTALLATION.
4. THOROUGHLY BLEND TOPSOIL MIX BEFORE BACKFILLING THE PLANTING HOLE AROUND THE TREE ROOT BALL. TOPSOIL MIX SHALL CONSIST OF 50% SCREENED TOPSOIL, 25% COMPOST OR OTHER ORGANIC MATTER AND 25% COARSE SAND.

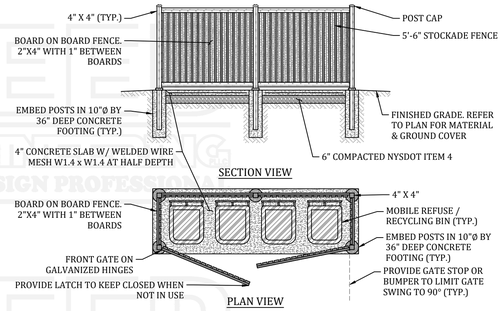
2 CU502 — DECIDIOUS TREE PLANTING
NOT TO SCALE



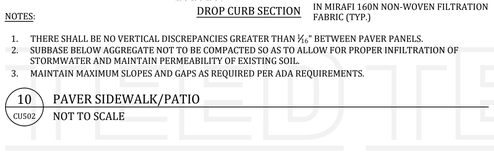

NOTES:

1. WATER THOROUGHLY AFTER INSTALLATION
2. THOROUGHLY BLEND TOPSOIL MIX BEFORE BACKFILLING THE PLANTING HOLE AROUND THE TREE ROOT BALL. TOPSOIL MIX SHALL CONSIST OF 50% SCREENED TOPSOIL, 25% COMPOST OR OTHER ORGANIC MATTER AND 25% COARSE SAND.
3. REMOVE ALL TAGS, TWINE AND OTHER NON-BIODEGRADABLE MATERIALS ATTACHED TO ROOT MASS.

3 CU502 — SHRUB PLANTING
NOT TO SCALE




4 CU502 — REFUSE ENCLOSURE
NOT TO SCALE




NOTES:

1. CONCRETE SHALL BE 4,000 PSI MINIMUM.

5 CU502 — PAVEMENT AND CURBING
NOT TO SCALE




NOTES:

1. THERE SHALL BE NO VERTICAL DISCREPANCIES GREATER THAN ¼" BETWEEN SIDEWALK PANELS.
2. PROVIDE ⅜" THICK TRANSVERSE FULL DEPTH PREMOLDED BITUMINOUS EXPANSION JOINTS EVERY 25' AND GROOVE TOOLED CONTROL JOINTS EVERY 5'. EXPANSION JOINTS SHALL BE FINISHED WITH ¼" EDGING TOOL.
3. CONCRETE SHALL BE NYSDOT CLASS "A" HAVING A COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS.
4. PROVIDE 2" MIN CLEARANCE BETWEEN REINFORCEMENT AND EXPANSION JOINTS.
5. THE CONCRETE SIDEWALK SHALL RECEIVED TWO COATS OF ANTI-SPALLING COMPOUND AFTER 28 DAY CURE.

6 CU502 — SIDEWALK
NOT TO SCALE




NOTES:

1. SPEED HUMP TO BE MADE OF TOP COURSE ASPHALT. MILL SURFACE 1" BELOW SPEED HUMP TO KEY IN. TACK COAT BETWEEN SPEED HUMP ASPHALT AND ASPHALT DRIVEWAY.

7 CU502 — TRAFFIC CALMING SPEED BUMP
NOT TO SCALE




NOTES:

1. ALL SIGNS SHALL BE INSTALLED TO MEET ADA REQUIREMENTS.
2. SIGN AND POST SHALL BE INSTALLED TO RESIST DISPLACEMENT BY VANDALISM AND WIND FORCES. ALL SIGNS SHALL BE CONSTRUCTED TO REMAIN IN PERMANENT POSITION.

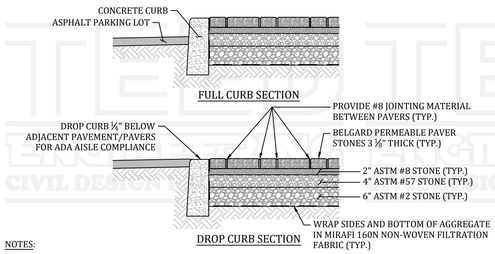
8 CU502 — ADA REQUIRED SIGNAGE
NOT TO SCALE




NOTES:

1. INSTALLATION AND DIMENSIONS SHALL CONFORM TO LIGHT POLE MANUFACTURER REQUIREMENTS.
2. ALL REINFORCING STEEL SHALL HAVE 2" MIN. CLEARANCE TO OUTSIDE OF FOOTING.

9 CU502 — LIGHT POLE FOUNDATION
NOT TO SCALE




NOTES:

1. THERE SHALL BE NO VERTICAL DISCREPANCIES GREATER THAN 1/16" BETWEEN PAVER PANELS.
2. SUBBASE BELOW AGGREGATE NOT TO BE COMPACTED SO AS TO ALLOW FOR PROPER INFILTRATION OF STORMWATER AND MAINTAIN PERMEABILITY OF EXISTING SOIL.
3. MAINTAIN MAXIMUM SLOPES AND GAPS AS REQUIRED PER ADA REQUIREMENTS.

10 CU502 — PAVER SIDEWALK/PATIO
NOT TO SCALE

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POUGHKEEPSIE, NY 12601
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EMAIL: JIM@TEEDENGINEERING.COM


| MARK | # | DESCRIPTION | DATE |
|---|---|---|---|
| | 4 | . | - |
| | 3 | . | - |
| ⚠ | 2 | 04/01/2025 DENIAL LETTER | 05/13/2025 |
| | 1 | INITIAL SUBMISSION | 03/21/2025 |

SHEET TITLE:
SITE CONSTRUCTION DETAILS

PROJECT NAME AND ADDRESS:
4 COPNY LLC
53 NORTH CLINTON STREET
POUGHKEEPSIE, NY 12601

TAX MAP ID.: 131300-6162-71-288150-0000

| SCALE: | PROJECT NO.: |
|---|---|
| AS SHOWN | 2502002 |
| SHEET NO.: 7 OF 10 | SHEET ID.: ⚠ CU502 |


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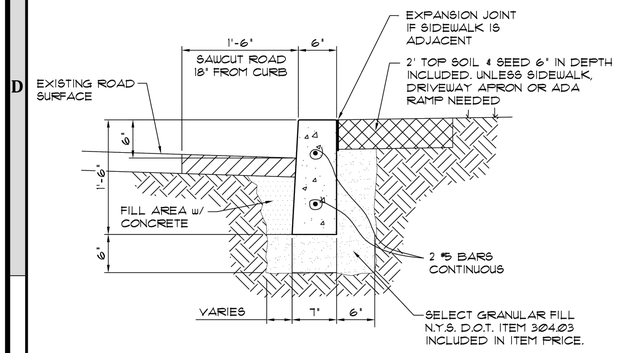
LAST PLOTTED BY: TEED ENGINEERING PLLC | 5/13/2025 8:20 AM

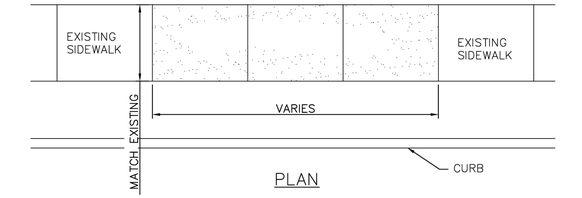



NOTE:

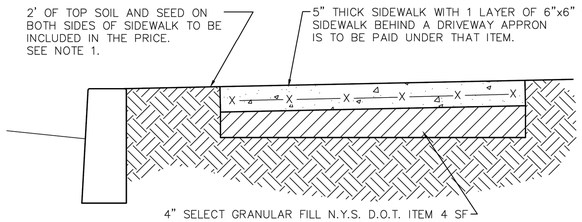
1. CONCRETE SHALL BE MINIMUM 4,000 PSI

## FORMED CURB DETAIL

SCALE: 1"-1'-0"




PLAN



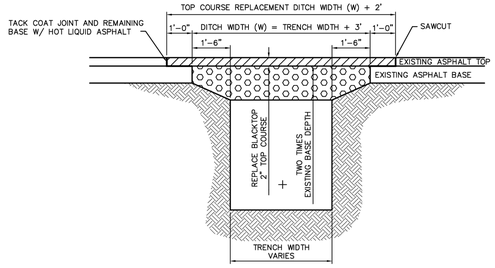

SECTION

NOTES:

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

## SIDEWALK DETAIL REPLACE & NEW

SCALE: 1" =1'-0"




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.

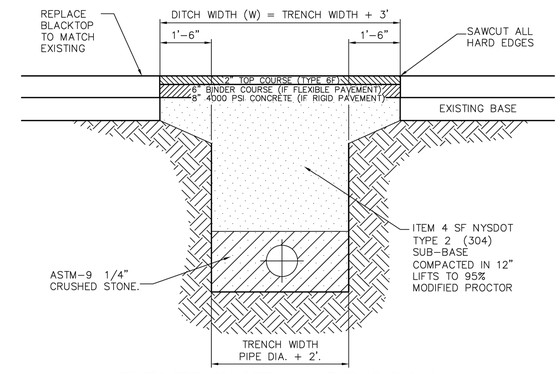
ALL JOINTS TO BE SQUARED TO THE EXISTING EDGE OF CURB AND/ OR PAVEMENT, AND TACK COATED PER DETAIL.

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.

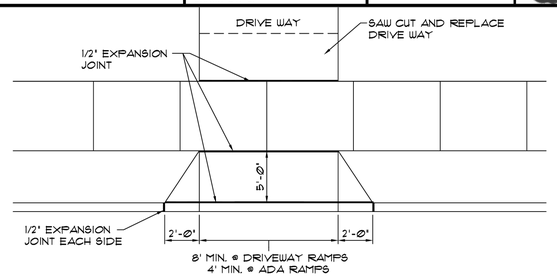



## UTILITY TRENCH DETAIL IN PUBLIC R.O.W.

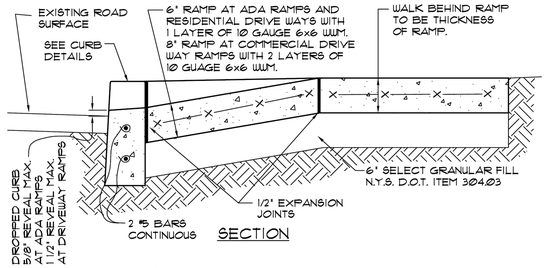
SCALE: 1/4" =1'-0"

NOTES:

1. DITCH WIDTH SHALL EXTEND A MINIMUM OF ONE AND ONE-HALF FT. FROM THE EDGES OF THE TRENCH.
2. REPLACED BASE MATERIAL OVER TRENCH SHALL BE ITEM 4 COMPACTED IN 12" LIFTS.
3. PIPE BEDDING SHALL BE A MINIMUM OF 6" ABOVE AND BELOW PIPE
4. ALL JOINTS SHALL BE MECHANICALLY SAWED.
5. ALL JOINTS SHALL BE SQUARED TO THE EXISTING EDGE OF CURB AND/OR PAVEMENT, AND TACK COATED PER DETAIL.
6. ROAD SURFACE REPLACEMENT SHALL BE MINIMUM OF SIX INCHES OF ASPHALIC CONCRETE.
7. BINDER COURSE ASPHALT PAVEMENT TO BE PLACED IN TWO LIFTS.




PLAN



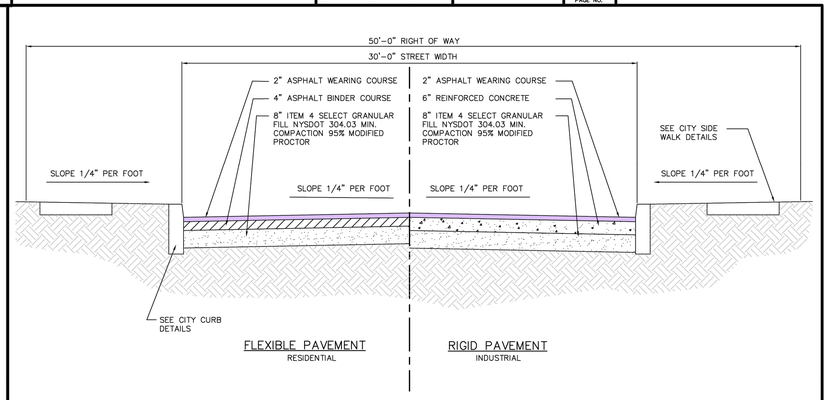

SECTION

NOTES:

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

## DRIVEWAY RAMPS & ADA RAMP

SCALE: 1" =1'-0"




## TYPICAL STREET SECTION

SCALE: N.T.S.

1 CU503 SPECIAL NOTE

1. THE DETAILS SHOWN ARE THE CITY OF POUGHKEEPSIE STANDARD DETAILS FOR WORK WITHIN THE PUBLIC RIGHT-OF-WAY AND ARE PRESENTED EXACTLY AS THEY WERE CREATED BY THE CITY OF POUGHKEEPSIE. NOTES PERTAINING TO PAY ITEMS ARE NOT APPLICABLE.

APPROVAL BLOCK

4 COPNY LLC 53 NORTH CLINTON STREET POUGHKEEPSIE, NY 12601 4 COPNY LLC 53 NORTH CLINTON STREET POUGHKEEPSIE, NY 12601 4 COPNY LLC 53 NORTH CLINTON STREET POUGHKEEPSIE, NY 12601 4 COPNY LLC

| | | |
|---|---|---|
| CITY OF POUGHKEEPSIE ENGINEERING DEPARTMENT<br>62 CIVIC CENTER PLAZA<br>POUGHKEEPSIE, NY 12601 | FILE NO.: 001-DET<br>DATE: 3-6-00<br>SCALE: AS NOTED<br>DRAWN BY: JP | FORMED CURB DETIAL | 1 PAGE NO. |
| *CITY OF POUGHKEEPSIE ENGINEERING DEPARTMENT*<br>62 CIVIC CENTER PLAZA<br>POUGHKEEPSIE, NY 12601 | PROJECT: 001-DET<br>DATE: 5-16-00<br>SCALE: AS NOTED<br>DRAWN BY: JP | SIDEWALK DETAIL | |
| CITY OF POUGHKEEPSIE ENGINEERING DEPARTMENT<br>62 CIVIC CENTER PLAZA<br>POUGHKEEPSIE, NY 12601 | FILE NO.: 001-DET<br>DATE: 2-27-12<br>SCALE: AS NOTED<br>DRAWN BY: JP | FLEXIBILE PAVEMENT DETAIL | 1 PAGE NO. |
| *CITY OF POUGHKEEPSIE ENGINEERING DEPARTMENT*<br>62 CIVIC CENTER PLAZA<br>POUGHKEEPSIE, NY 12601 | PROJECT: LSRP<br>DATE: 10-30-2018<br>SCALE: NTS<br>DRAWN BY: JAC | TRENCH AND PAVEMENT DETAIL | 4 PAGE NO. |
| CITY OF POUGHKEEPSIE ENGINEERING DEPARTMENT<br>62 CIVIC CENTER PLAZA<br>POUGHKEEPSIE, NY 12601 | FILE NO.: 001-DET<br>DATE: 3-6-00<br>SCALE: AS NOTED<br>DRAWN BY: JP | DRIVEWAY & ADA RAMP DETAIL | 1 PAGE NO. |
| FILE: *.DWG<br>DATE: 06-04-2009<br>SCALE: AS NOTED<br>DRAWN BY: JP | TYPICAL STREET SECTION | CITY OF POUGHKEEPSIE ENGINEERING DEPARTMENT<br>62 CIVIC CENTER PLAZA<br>POUGHKEEPSIE, NY 12601 | 1 PAGE NO. |

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PHONE: (845) 418-5461
EMAIL: JIM@TEEDENGINEERING.COM

| MARK | # | DESCRIPTION | DATE |
|---|---|---|---|
| | 4 | . | - |
| | 3 | . | - |
| ⚠ | 2 | 04/01/2025 DENIAL LETTER | 05/13/2025 |
| | 1 | INITIAL SUBMISSION | 03/21/2025 |

SHEET TITLE:
**CITY OF POUGHKEEPSIE STANDARD RIGHT-OF-WAY DETAILS**

PROJECT NAME AND ADDRESS:
**4 COPNY LLC**
**53 NORTH CLINTON STREET**
**POUGHKEEPSIE, NY 12601**

TAX MAP ID.: 131300-6162-71-288150-0000

| | |
|---|---|
| SCALE: AS SHOWN | PROJECT NO.: 2502002 |
| SHEET NO.: 8 OF 10 | SHEET ID.: ⚠ CU503 |

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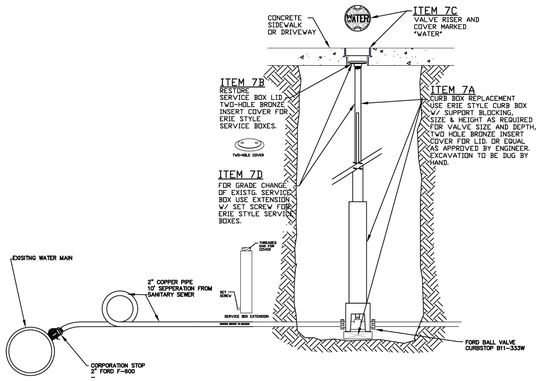
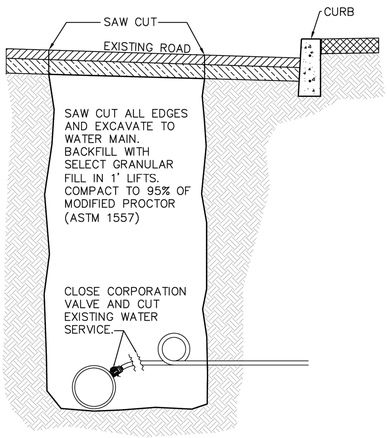
DRAWING REFERENCE: 2502002CU101_C.DWG
LAST PLOTTED BY: TEED ENGINEERING PLLC | 5/13/2025 8:20 AM




## CURB BOX AND SERVICE CONNECTION

SCALE: N.T.S.

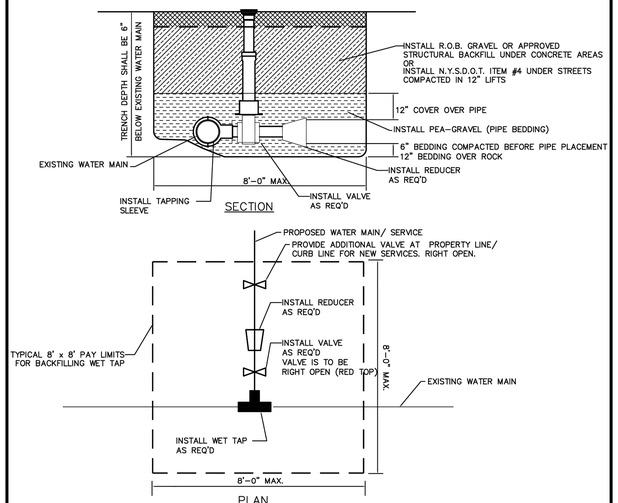
| | | | |
|---|---|---|---|
| | CURB BOX AND SERVICE CONNECTION | CITY OF POUGHKEEPSIE ENGINEERING DEPARTMENT 62 CIVIC CENTER PLAZA POUGHKEEPSIE, NY 12601 | 1 PAGE NO. |




## WATER SERVICE DISCONNECT AT MAIN

SCALE: N.T.S.

| | | | | |
|---|---|---|---|---|
| CITY OF POUGHKEEPSIE ENGINEERING DEPARTMENT 62 CIVIC CENTER PLAZA POUGHKEEPSIE, NY 12601 | PROJECT: LSRP<br>DATE: 10-30-2018<br>SCALE: NTS<br>DRAWN BY: JAC | WATER DISCONNECT AT MAIN | 3 PAGE NO. | DATE: 9/15/2014 |

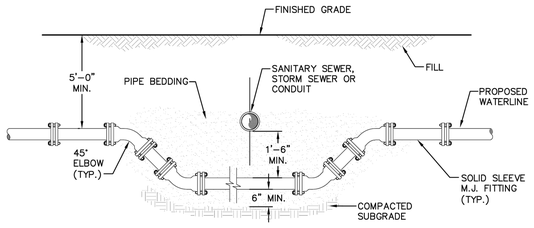



NOTE: ALL BACKFILL TO BE PLACED IN 1' LIFTS AND COMPACTED TO 95% OF MODIFIED PROCTOR (ASTM 1557)

## TAPPING SLEEVE & VALVE

SCALE: N.T.S.

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



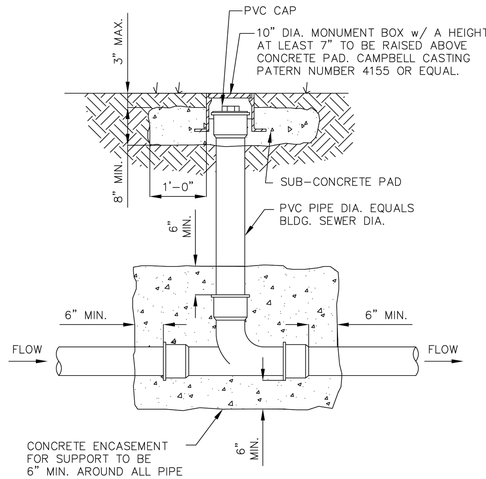

NOTES:

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 UNCUT 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 SLIP ON 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

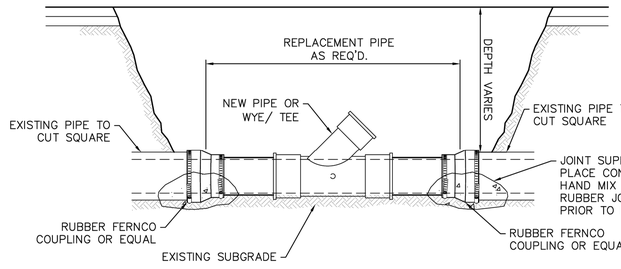
SCALE: N.T.S.

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




## RESIDENTIAL CLEAN-OUT DETAIL

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




NOTES:

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

## TYPICAL SANITARY SEWER PIPE REPAIR OR WYE INSTALLATION DETAIL

SCALE: N.T.S.

| | | | |
|---|---|---|---|
| FILE: *.DWG<br>DATE: 03-02-2009<br>SCALE: AS NOTED<br>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. |

1 CU504 SPECIAL NOTE

1. THE DETAILS SHOWN ARE THE CITY OF POUGHKEEPSIE STANDARD DETAILS FOR WORK WITHIN THE PUBLIC RIGHT-OF-WAY AND ARE PRESENTED EXACTLY AS THEY WERE CREATED BY THE CITY OF POUGHKEEPSIE. NOTES PERTAINING TO PAY ITEMS ARE NOT APPLICABLE.

APPROVAL BLOCK

UDIG-NY
SAFE DIGGING STARTS HERE

SCAN HERE

TEED ENGINEERING, PLLC
NYSDOE COA # 0021016
UNTIL 10/31/2026

PROFESSIONAL CERTIFICATION:

STATE OF NEW YORK · JAMES W. TEED, JR. · 094633 · LICENSED PROFESSIONAL ENGINEER

JAMES W. TEED, JR.
094633

WARNING: IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW, TITLE VII, ARTICLE 145, SECTION 7209 FOR ANY PERSON, UNLESS HE OR SHE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE SEAL OF AN ENGINEER OR LAND SURVEYOR IS ALTERED, THE ALTERING ENGINEER OR LAND SURVEYOR SHALL AFFIX TO THE ITEM HIS OR HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS OR HER SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

TEED ENGINEERING PLLC
CIVIL DESIGN PROFESSIONAL

TEED ENGINEERING, PLLC
55 MANSION STREET #535
POUGHKEEPSIE, NY 12601
PHONE: (845) 418-5461
EMAIL: JIM@TEEDENGINEERING.COM

| MARK | # | DESCRIPTION | DATE |
|---|---|---|---|
| | 4 | . | . |
| | 3 | . | . |
| ⚠ | 2 | 04/01/2025 DENIAL LETTER | 05/13/2025 |
| | 1 | INITIAL SUBMISSION | 03/21/2025 |

SHEET TITLE:

**CITY OF POUGHKEEPSIE STANDARD UTILITY DETAILS**

PROJECT NAME AND ADDRESS:

**4 COPNY LLC**
**53 NORTH CLINTON STREET**
**POUGHKEEPSIE, NY 12601**

TAX MAP ID.: 131300-6162-71-288150-0000

| SCALE: | PROJECT NO.: |
|---|---|
| AS SHOWN | 2502002 |
| SHEET NO.: 9 OF 10 | SHEET ID.: ⚠ CU504 |

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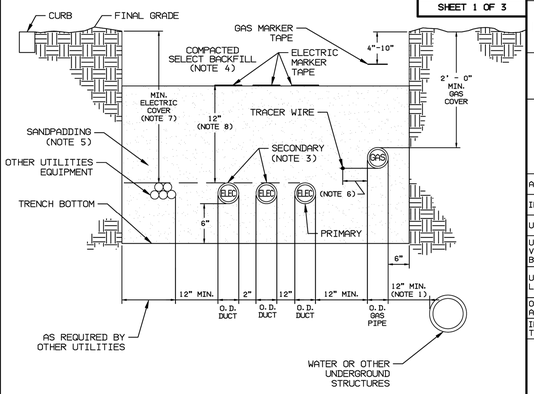
LAST PLOTTED BY: TEED ENGINEERING PLLC | 5/13/2025 8:20 AM

FIG. 11
SHEET 1 OF 3




NOTES:

1. THE MINIMUM CLEARANCE FROM GAS TO OTHER UTILITIES SUCH AS WATER & SEWER SHALL BE 12". CONSULT WITH OTHER UTILITIES OR REVIEW LOCAL ORDINANCES FOR ADDITIONAL CLEARANCE REQUIREMENTS. IF 12" CLEARANCE IS NOT POSSIBLE, REFER TO FIGURE 20 OF THE SPECIFICATIONS AND REQUIREMENTS OF GAS INSTALLATIONS.
2. GAS SHALL BE INSTALLED ON THE FIELD SIDE OF THE ELECTRIC.
3. SPACING SHALL BE MAINTAINED FOR CONCRETE ENCASED DUCTS.
4. COMPACTED SELECT BACKFILL MAY BE ON-SITE MATERIAL PROVIDED IT CONTAINS NO ROCKS OR STONES OVER 6" IN DIAMETER, ROOTS, STUMPS OR CONSTRUCTION DEBRIS.
5. REFER TO FIGURE 20 FOR DEFINITION OF SANDPADDING.
6. LOCATE TRACER WIRE A SUFFICIENT DISTANCE FROM PLASTIC PIPE TO MINIMIZE TRACER WIRE TO PIPE CONTACT.
7. FOR BURIAL DEPTH OF CONDUCTORS 1000 VOLTS AND UNDER SEE TABLE ON SHEET 2. FOR CONDUCTORS OVER 1000 VOLTS SEE TABLE ON SHEET 3.
8. FOR DIRECT BURIED CABLES NOT ENCASED IN CONCRETE PROVIDE AND INSTALL MARKER TAPE.
9. CONTACT "CALL BEFORE YOU DIG" AT 811 AND OBTAIN A MARKOUT PRIOR TO BREAKING GROUND.

| ELECTRIC STANDARDS | CENTRAL HUDSON GAS & ELECTRIC CORP. | DATE 9-7-18 |
|---|---|---|
| DRWN. _____ DSGN. _____ APPD. _____ | TYPICAL COMMON TRENCH CONFIGURATION ELECTRIC DUCTS W/GAS AND OTHER UTILITIES | ISSUE |
| | | APP. |
| | | APP. |

FIG. 11
SHEET 2 OF 3

## MINIMUM COVER REQUIREMENTS, 0 TO 1000 VOLTS, NOMINAL, BURIAL IN INCHES (IN.)

TYPE OF WIRING METHOD OR CIRCUIT

| TYPE OF WIRING METHOD OR CIRCUIT | DIRECT BURIAL CABLES OR CONDUCTORS | RIGID METAL CONDUIT | NONMETALLIC RACEWAYS LISTED FOR DIRECT BURIAL WITHOUT CONCRETE ENCASEMENT OR OTHER APPROVED RACEWAYS |
|---|---|---|---|
| | IN. | IN. | IN. |
| ALL LOCATIONS NOT SPECIFIED BELOW | 24 | 6 | 18 |
| IN TRENCH BELOW 2-IN. THICK CONCRETE OR EQUIVALENT | 18 | 6 | 12 |
| UNDER A BUILDING | 0 (NOTE 4) | 0 | 0 |
| UNDER MINIMUM OF 4-IN. THICK CONCRETE EXTERIOR SLAB WITH NO VEHICULAR TRAFFIC AND THE SLAB EXTENDING NOT LESS THAN 6 IN. BEYOND THE UNDERGROUND INSTALLATION | 18 (NOTE 6) | 4 | 4 |
| UNDER STREETS, HIGHWAYS, ROADS, ALLEYS, DRIVEWAYS, AND PARKING LOTS | 24 (NOTE 6) | 24 | 24 |
| ONE AND TWO-FAMILY DWELLING DRIVEWAYS AND OUTDOOR PARKING AREAS, AND USED ONLY FOR DWELLING-RELATED PURPOSES | 18 | 18 | 18 |
| IN OR UNDER AIRPORT RUNWAYS, INCLUDING ADJACENT AREAS WHERE TRESPASSING PROHIBITED | 18 | 18 | 18 |

NOTES:

1. COVER IS DEFINED AS THE SHORTEST DISTANCE IN INCHES MEASURED BETWEEN A POINT ON THE TOP SURFACE OF ANY DIRECT-BURIED CONDUCTOR. CABLE, CONDUIT, OR OTHER RACEWAY AND THE TOP SURFACE OF FINISHED GRADE, CONCRETE, OR SIMILAR COVER.
2. RACEWAYS APPROVED FOR BURIAL ONLY WHERE CONCRETE ENCASED SHALL REQUIRE CONCRETE ENVELOPE NOT LESS THAN 2 IN. THICK.
3. LESSER DEPTHS SHALL BE PERMITTED WHERE CABLES AND CONDUCTORS RISE FOR TERMINATIONS OR SPLICES OR WHERE ACCESS IS OTHERWISE REQUIRED.
4. DEPTH INDICATED ALLOWED WHEN CABLES OR CONDUCTORS ARE IN A RACEWAY OR TYPE MC OR MI CABLE IDENTIFIED FOR DIRECT BURIAL. SEE NEC ARTICLES 330 AND 332 FOR DEFINITIONS OF MC AND MI CABLE RESPECTIVELY.
5. WHERE SOLID ROCK PREVENTS COMPLIANCE WITH THE COVER DEPTHS SPECIFIED IN THIS TABLE, THE WIRING SHALL BE INSTALLED IN METAL OR NONMETALLIC RACEWAY PERMITTED FOR DIRECT BURIAL. THE RACEWAYS SHALL BE COVERED BY A MINIMUM OF 50 MM (2 IN.) OF CONCRETE EXTENDING DOWN TO ROCK.
6. IN URDs, SECONDARY CONDUCTORS AND CABLES SHALL BE INSTALLED IN CONDUIT FROM POINT OF ORIGIN TO POINT OF TERMINATION WHEN INSTALLED UNDER PAVED OR CONCRETE SURFACES (ROADS, DRIVEWAYS, SIDEWALKS, ETC.). SEE SECTION 4.5.2 AND FIG. 14 FOR MORE INFORMATION ON URDs.
7. TABLE IS DERIVED FROM NEC 300.5 FOR REFERENCE ONLY. WHERE THIS TABLE AND NEC TABLE 300.5 DIFFER, THE NEC SHALL TAKE PRECEDENCE.

| ELECTRIC STANDARDS | CENTRAL HUDSON GAS & ELECTRIC CORP. | DATE 4-13-20 |
|---|---|---|
| DRWN. _____ DSGN. _____ APPD. _____ | TYPICAL COMMON TRENCH CONFIGURATION ELECTRIC DUCTS W/GAS MAIN AND OTHER UTILITIES | ISSUE |
| | | APP. |
| | | APP. |

FIG. 11
SHEET 3 OF 3

## Minimum Cover Requirements, 1kV to 40kV, Nominal, Burial in Inches (in.) (Note 1)

| Circuit Voltage | General Conditions (not otherwise specified) | | | Special Conditions (use if applicable) | | |
|---|---|---|---|---|---|---|
| | Column 1 | Column 2 | Column 3 | Column 4 | Column 5 | Column 6 |
| | Direct-Buried Cables (Notes 4 & 8) | PVC Conduit (Note 2) | Rigid Metal Conduit | Raceways Under Buildings or Exterior Concrete Slabs, 4 in. Minimum Thickness (Note 3) | Cables in Airport Runways or Adjacent Areas Where Trespass Is Prohibited | Areas Subject to Vehicular Traffic, Such as Thoroughfares and Commercial Parking Areas |
| | in. | in. | in. | in. | in. | in. |
| Over 1 kV through 22 kV | 30 | 18 | 6 | 4 | 18 | 24 |
| Over 22 kV through 40 kV | 36 | 24 | 6 | 4 | 18 | 24 |

NOTES:

1. COVER IS DEFINED AS THE SHORTEST DISTANCE IN INCHES MEASURED BETWEEN A POINT ON THE TOP SURFACE OF ANY DIRECT-BURIED CONDUCTOR, CABLE, CONDUIT, OR OTHER RACEWAY AND THE TOP SURFACE OF FINISHED GRADE, CONCRETE, OR SIMILAR COVER.
2. LISTED BY A QUALIFIED TESTING AGENCY AS SUITABLE FOR DIRECT BURIAL WITHOUT ENCASEMENT. ALL OTHER NONMETALLIC SYSTEMS SHALL REQUIRE 2 IN. OF CONCRETE OR EQUIVALENT ABOVE CONDUIT IN ADDITION TO THE TABLE DEPTH.
3. THE SLAB SHALL EXTEND A MINIMUM OF 6 IN. BEYOND THE UNDERGROUND INSTALLATION, AND A WARNING RIBBON OR OTHER EFFECTIVE MEANS SUITABLE FOR THE CONDITIONS SHALL BE PLACED ABOVE THE UNDERGROUND INSTALLATION.
4. UNDERGROUND DIRECT-BURIED CABLES THAT ARE NOT ENCASED OR PROTECTED BY CONCRETE AND ARE BURIED 30 IN. OR MORE BELOW GRADE SHALL HAVE THEIR LOCATION IDENTIFIED BY A WARNING RIBBON THAT IS PLACED IN THE TRENCH AT LEAST 12 IN. ABOVE THE CABLES.
5. LESSER DEPTHS SHALL BE PERMITTED WHERE CABLES AND CONDUCTORS RISE FOR TERMINATIONS OR SPLICES OR WHERE ACCESS IS OTHERWISE REQUIRED.
6. WHERE SOLID ROCK PREVENTS COMPLIANCE WITH THE COVER DEPTHS SPECIFIED IN THIS TABLE, THE WIRING SHALL BE INSTALLED IN METAL OR NONMETALLIC RACEWAY PERMITTED FOR DIRECT BURIAL. THE RACEWAYS SHALL BE COVERED BY A MINIMUM OF 2 IN. OF CONCRETE EXTENDING DOWN TO ROCK.
7. IN INDUSTRIAL ESTABLISHMENTS, WHERE CONDITIONS OF MAINTENANCE AND SUPERVISION ENSURE THAT QUALIFIED PERSONS WILL SERVICE THE INSTALLATION, THE MINIMUM COVER REQUIREMENTS, FOR OTHER THAN RIGID METAL CONDUIT AND INTERMEDIATE METAL CONDUIT, SHALL BE PERMITTED TO BE REDUCED 6 IN. FOR EACH 2 IN. OF CONCRETE OR EQUIVALENT PLACED ENTIRELY WITHIN THE TRENCH OVER THE UNDERGROUND INSTALLATION.
8. IN URDs, PRIMARY CONDUCTORS SHALL BE INSTALLED IN CONDUIT. DIRECT-BURIED CABLES ARE NOT ACCEPTABLE. SEE SECTION 4.5.2 AND FIGURE 14 FOR MORE INFORMATION ON URDs.
9. TABLE IS DERIVED FROM NEC 300.50 FOR REFERENCE ONLY. WHERE THIS TABLE AND NEC TABLE 300.50 DIFFER, THE NEC SHALL TAKE PRECEDENCE.

| ELECTRIC STANDARDS | CENTRAL HUDSON GAS & ELECTRIC CORP. | DATE 4-13-20 |
|---|---|---|
| DRWN. _____ DSGN. _____ APPD. _____ | TYPICAL COMMON TRENCH CONFIGURATION ELECTRIC DUCTS W/GAS MAIN AND OTHER UTILITIES | ISSUE |
| | | APP. |
| | | APP. |

1 CU505 SPECIAL NOTE

1. THE DETAILS SHOWN ARE THE CENTRAL HUDSON GAS & ELECTRIC STANDARD DETAILS FOR WORK ASSOCIATED WITH THEIR UTILITIES AND ARE PRESENTED EXACTLY AS THEY WERE CREATED BY CENTAL HUDSON GAS & ELECTRIC.

APPROVAL BLOCK

UDIG·NY
SAFE DIGGING STARTS HERE

TEED ENGINEERING, PLLC
NYSDOE COA # 0021016
UNTIL 10/31/2026

SCAN HERE

PROFESSIONAL CERTIFICATION:

STATE OF NEW YORK · JAMES W. TEED, JR. · 094633 · LICENSED PROFESSIONAL ENGINEER

JAMES W. TEED, JR.
094633

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TEED ENGINEERING PLLC
CIVIL DESIGN PROFESSIONAL


TEED ENGINEERING, PLLC
55 MANSION STREET #535
POUGHKEEPSIE, NY 12601
PHONE: (845) 418-5461
EMAIL: JIM@TEEDENGINEERING.COM


| MARK | # | DESCRIPTION | DATE |
|---|---|---|---|
| | 4 | . | . |
| | 3 | . | . |
| ⚠ | 2 | 04/01/2025 DENIAL LETTER | 05/13/2025 |
| | 1 | INITIAL SUBMISSION | 03/21/2025 |

SHEET TITLE:
CENTRAL HUDSON GAS & ELECTRIC STANDARD UTILITY DETAILS

PROJECT NAME AND ADDRESS:
4 COPNY LLC
53 NORTH CLINTON STREET
POUGHKEEPSIE, NY 12601

TAX MAP ID.: 131300-6162-71-288150-0000

| SCALE: | PROJECT NO.: |
|---|---|
| AS SHOWN | 2502002 |
| SHEET NO.: | SHEET ID.: ⚠ |
| 10 OF 10 | CU505 |


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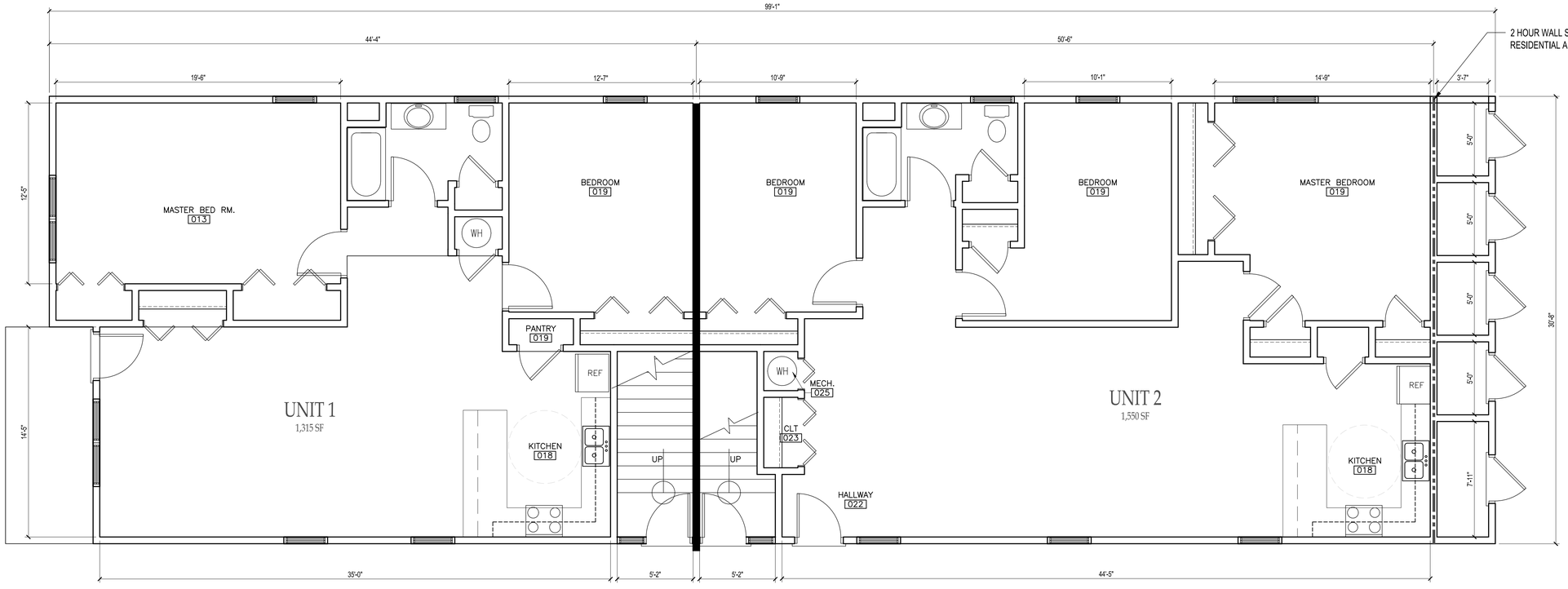
DRAWING REFERENCE: 2502002CU101_C.DWG
LAST PLOTTED BY: TEED ENGINEERING PLLC | 5/13/2025 8:20 AM

STREET FRONT
N CLINTON STREET




# 1ST FLOOR PLAN

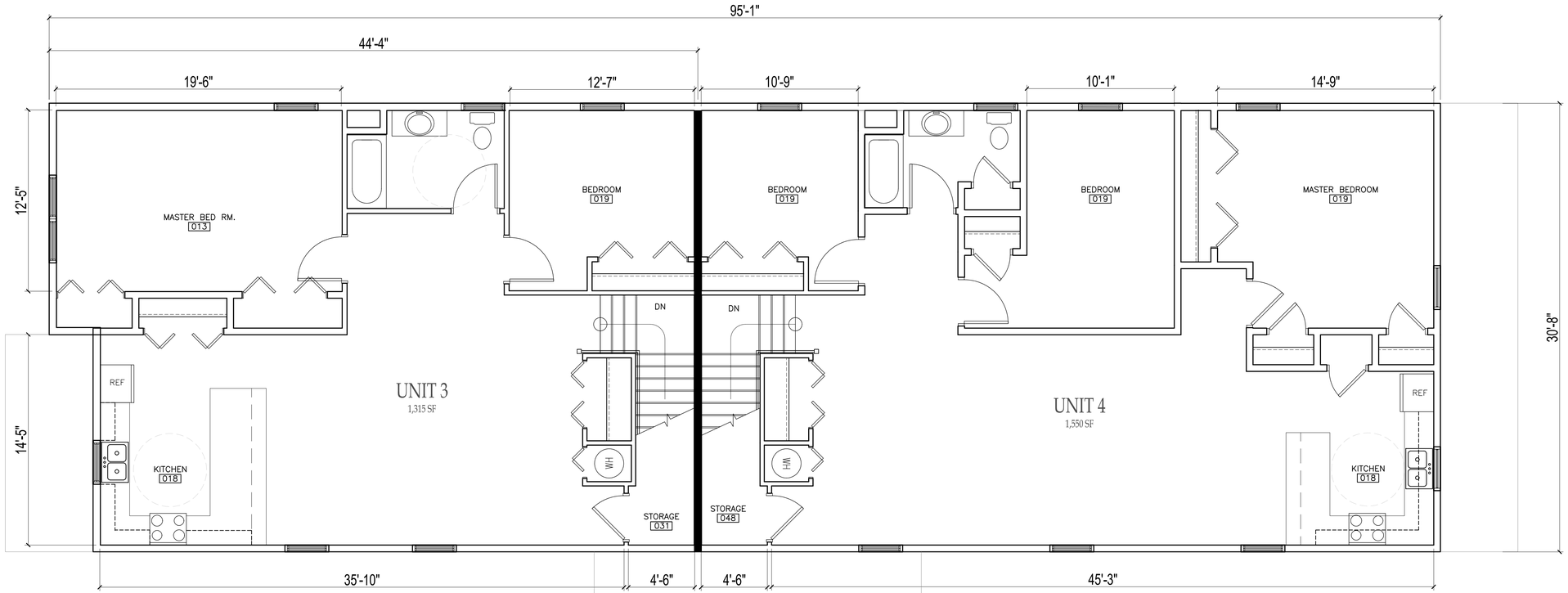
53 NORTH CLINTON ST | PARCEL 6162-71-288450

LMV PROJ. 25013

MAY 12, 2025

Liscum McCormack VanVoorhis
ARCHITECTURE PLANNING INTERIORS

STREET FRONT
N CLINTON STREET



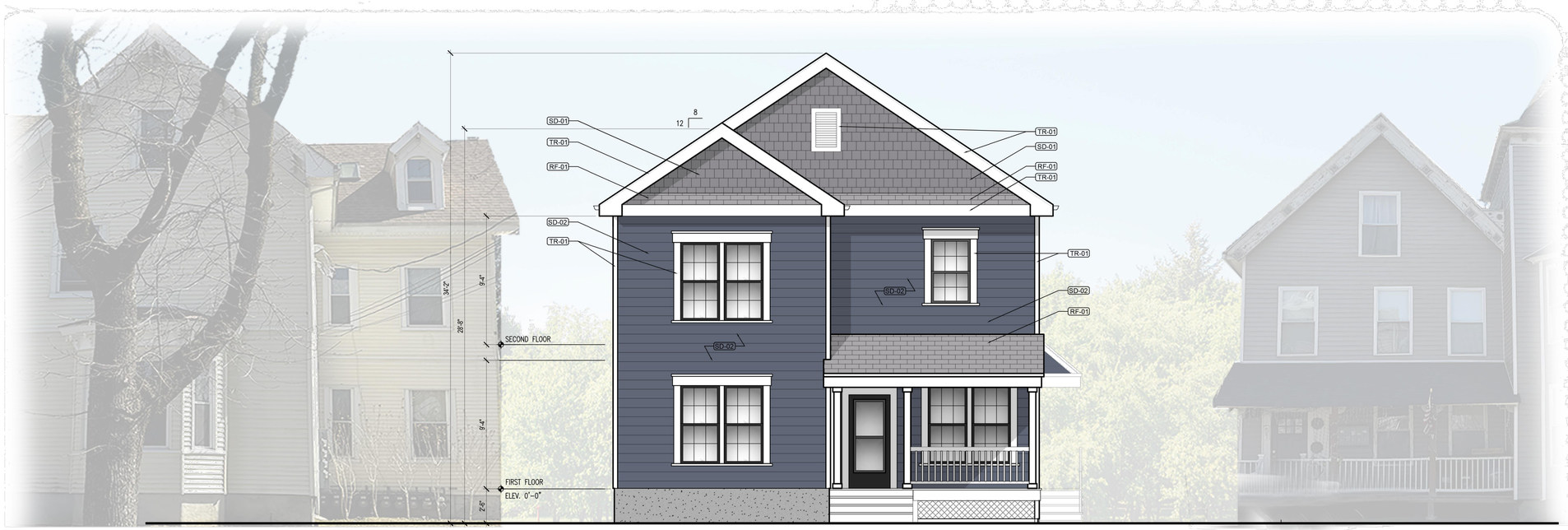

# 2ND FLOOR PLAN

53 NORTH CLINTON ST | PARCEL 6162-71-288450

LMV PROJ. 25013

MAY 12, 2025

Liscum McCormack VanVoorhis
ARCHITECTURE PLANNING INTERIORS




WEST ELEVATION - STREET FRONT

SOUTH ELEVATION

EXTERIOR MATERIALS

**RF-01** ROOF SHINGLES
TIMBERLINE GAF ASPHALT SHINGLES OR EQUIVALENT, COLOR: FOX HOLLOW GRAY

ROOF SHINGLES
TIMBERLINE GAF ASPHALT SHINGLES OR EQUIVALENT, COLOR: OYSTER GREY

**SD-01** EXTERIOR SIDING
JAMES HARDIE SHINGLE SIDING OR EQUAL
COLOR: SLATE GRAY

**SD-02** EXTERIOR SIDING
JAMES HARDIE LAPSIDING OR EQUAL
COLOR: DEEP OCEAN

EXTERIOR SIDING
JAMES HARDIE LAPSIDING OR EQUAL
COLOR: BOOTHBAY BLUE

**TR-01** EXTERIOR TRIM
AZEK EXTERIORS PVC TRIM OR EQUAL

# BUILDING ELEVATIONS

53 NORTH CLINTON ST | PARCEL 6162-71-288450

LMV PROJ. 25013

MAY 6, 2025

Liscum McCormack VanVoorhis
ARCHITECTURE PLANNING INTERIORS

EAST ELEVATION - REAR

NORTH ELEVATION

ELEVATION OPENING CALCULATIONS
ELEVATION = 3,260 SF x 25% = 815 SF
OPENINGS = 238 SF < 815 SF COMPLIES

EXTERIOR MATERIALS

**RF-01** ROOF SHINGLES
TIMBERLINE GAF ASPHALT SHINGLES OR EQUIVALENT, COLOR: FOX HOLLOW GRAY

ROOF SHINGLES
TIMBERLINE GAF ASPHALT SHINGLES OR EQUIVALENT, COLOR: OYSTER GREY

**SD-01** EXTERIOR SIDING
JAMES HARDIE SHINGLE SIDING OR EQUAL
COLOR: SLATE GRAY

**SD-02** EXTERIOR SIDING
JAMES HARDIE LAPSIDING OR EQUAL
COLOR: DEEP OCEAN

EXTERIOR SIDING
JAMES HARDIE LAPSIDING OR EQUAL
COLOR: BOOTHBAY BLUE

**TR-01** EXTERIOR TRIM
AZEK EXTERIORS PVC TRIM OR EQUAL

# BUILDING ELEVATIONS

53 NORTH CLINTON ST | PARCEL 6162-71-288450

LMV PROJ. 25013
MAY 6, 2025

Liscum McCormack VanVoorhis
ARCHITECTURE PLANNING INTERIORS

# *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:
53 N Clinton St

Project Location (describe, and attach a location map):
53 N Clinton Street, Poughkeepsie, NY 12601 (Parcel #: 131300-6162-71-288150)

Brief Description of Proposed Action:
Construction of a 4-family residential structure with two 2-bedroom units and two 3-bedroom units.

| Name of Applicant or Sponsor: | Telephone: c/o 845-874-7166 |
|---|---|
| 4COPNY LLC c/o Natalie Quinn, KARC Planning Consultants | E-Mail: c/o natalie@karcpc.com |

Address:
PO Box 8010

| City/PO: | State: | Zip Code: |
|---|---|---|
| Pelham | NY | 10803 |

| | NO | YES |
|---|---|---|
| 1. Does the proposed action only involve the legislative adoption of a plan, local law, ordinance, administrative rule, or regulation? If Yes, attach a narrative description of the intent of the proposed action and the environmental resources that may be affected in the municipality and proceed to Part 2. If no, continue to question 2. | ☑ | ☐ |
| 2. Does the proposed action require a permit, approval or funding from any other government Agency? If Yes, list agency(s) name and permit or approval: Site plan approval, building permits | ☐ | ☑ |

3. a. Total acreage of the site of the proposed action? 0.22 acres
   b. Total acreage to be physically disturbed? 0.22 acres
   c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? 0.22 acres

4. Check all land uses that occur on, are adjoining or near the proposed action:

5. ☑ Urban ☐ Rural (non-agriculture) ☐ Industrial ☐ Commercial ☑ Residential (suburban)
   ☐ Forest ☐ Agriculture ☐ Aquatic ☐ Other(Specify):
   ☐ Parkland

| | NO | YES | N/A |
|---|---|---|---|
| 5. Is the proposed action, | | | |
| a. A permitted use under the zoning regulations? | ☐ | ☑ | ☐ |
| b. Consistent with the adopted comprehensive plan? | ☐ | ☑ | ☐ |

| | NO | YES |
|---|---|---|
| 6. Is the proposed action consistent with the predominant character of the existing built or natural landscape? | ☐ | ☑ |

| | NO | YES |
|---|---|---|
| 7. Is the site of the proposed action located in, or does it adjoin, a state listed Critical Environmental Area? | | |
| If Yes, identify: _____ | ☑ | ☐ |

| | NO | YES |
|---|---|---|
| 8. a. Will the proposed action result in a substantial increase in traffic above present levels? | ☑ | ☐ |
| b. Are public transportation services available at or near the site of the proposed action? | ☐ | ☑ |
| c. Are any pedestrian accommodations or bicycle routes available on or near the site of the proposed action? | ☐ | ☑ |

| | NO | YES |
|---|---|---|
| 9. Does the proposed action meet or exceed the state energy code requirements? | | |
| If the proposed action will exceed requirements, describe design features and technologies: | | |
| The proposed action will meet the state energy code requirements. _____ | ☐ | ☑ |
| _____ | | |

| | NO | YES |
|---|---|---|
| 10. Will the proposed action connect to an existing public/private water supply? | | |
| If No, describe method for providing potable water: _____ | ☐ | ☑ |
| _____ | | |

| | NO | YES |
|---|---|---|
| 11. Will the proposed action connect to existing wastewater utilities? | | |
| If No, describe method for providing wastewater treatment: _____ | ☐ | ☑ |
| _____ | | |

| | NO | YES |
|---|---|---|
| 12. a. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district which is listed on the National or State Register of Historic Places, or that has been determined by the Commissioner of the NYS Office of Parks, Recreation and Historic Preservation to be eligible for listing on the State Register of Historic Places? | ☐ | ☑ |
| See attached CRIS Map | | |
| b. Is the project site, or any portion of it, located in or adjacent to an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory? | ☑ | ☐ |

| | NO | YES |
|---|---|---|
| 13. a. Does any portion of the site of the proposed action, or lands adjoining the proposed action, contain wetlands or other waterbodies regulated by a federal, state or local agency? | ☑ | ☐ |
| b. Would the proposed action physically alter, or encroach into, any existing wetland or waterbody? | ☑ | ☐ |
| If Yes, identify the wetland or waterbody and extent of alterations in square feet or acres: _____ | | |
| _____ | | |
| _____ | | |

14. Identify the typical habitat types that occur on, or are likely to be found on the project site. Check all that apply:

☐ Shoreline ☐ Forest ☐ Agricultural/grasslands ☐ Early mid-successional

☐ Wetland ☑ Urban ☐ Suburban

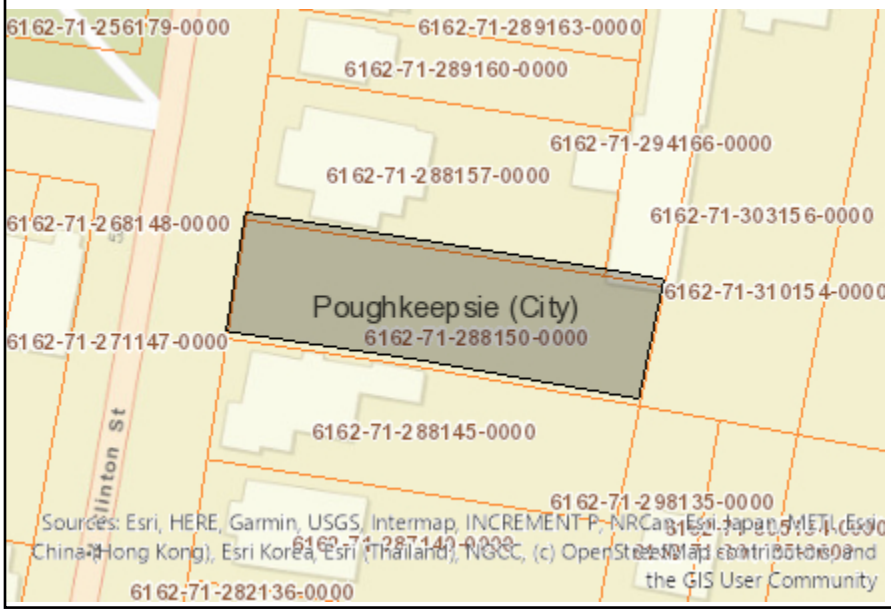
| | NO | YES |
|---|---|---|
| 15. Does the site of the proposed action contain any species of animal, or associated habitats, listed by the State or Federal government as threatened or endangered? | ☑ | ☐ |
| 16. Is the project site located in the 100-year flood plan? | ☑ | ☐ |
| 17. Will the proposed action create storm water discharge, either from point or non-point sources? | ☐ | ☑ |
| If Yes, | | |
| a. Will storm water discharges flow to adjacent properties? | ☑ | ☐ |
| b. Will storm water discharges be directed to established conveyance systems (runoff and storm drains)? | ☑ | ☐ |
| If Yes, briefly describe: _____ | | |
| 18. Does the proposed action include construction or other activities that would result in the impoundment of water or other liquids (e.g., retention pond, waste lagoon, dam)? | ☑ | ☐ |
| If Yes, explain the purpose and size of the impoundment: _____ | | |
| 19. Has the site of the proposed action or an adjoining property been the location of an active or closed solid waste management facility? | ☑ | ☐ |
| If Yes, describe: _____ | | |
| 20. Has the site of the proposed action or an adjoining property been the subject of remediation (ongoing or completed) for hazardous waste? | ☐ | ☑ |
| If Yes, describe: See attached | | |
| No spills on the subject property. Remediations located within 2000' : B00148, C314126, C314126A, C314130, C314134, 314122 | | |

**I CERTIFY THAT THE INFORMATION PROVIDED ABOVE IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE**

Applicant/sponsor/name: Natalie Quinn, KARC Planning Consultants Date: March 25, 2025

Signature: _____ Title: Agent for Applicant

**PRINT FORM**




**Disclaimer:** The EAF Mapper is a screening tool intended to assist project sponsors and reviewing agencies in preparing an environmental assessment form (EAF). Not all questions asked in the EAF are answered by the EAF Mapper. Additional information on any EAF question can be obtained by consulting the EAF Workbooks. Although the EAF Mapper provides the most up-to-date digital data available to DEC, you may also need to contact local or other data sources in order to obtain data not provided by the Mapper. Digital data is not a substitute for agency determinations.

| | |
|---|---|
| Part 1 / Question 7 [Critical Environmental Area] | No |
| Part 1 / Question 12a [National or State Register of Historic Places or State Eligible Sites] | Yes |
| Part 1 / Question 12b [Archeological Sites] | No |
| Part 1 / Question 13a [Wetlands or Other Regulated Waterbodies] | No |
| Part 1 / Question 15 [Threatened or Endangered Animal] | No |
| Part 1 / Question 16 [100 Year Flood Plain] | No |
| Part 1 / Question 20 [Remediation Site] | Yes |

CRIS Cultural Resource Information System

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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:** "400 Block" Restoration Area
**Site Code:** B00148
**Program:** Environmental Restoration Program
Classification: C
**EPA ID Number:**

## Location

**DEC Region:** 3
**Address:** 413-441 Main St
**City:**Poughkeepsie Zip: 12601
**County:**Dutchess
**Latitude:** 41.70237425
**Longitude:** -73.92231127
**Site Type:**
**Estimated Size:** 1.7 Acres

## Institutional And Engineering Controls

**Control Type:**
Deed Restriction

**Control Elements:**
Landuse Restriction
Cover System
Alternate Water Supply
Soil Management Plan
Vapor Mitigation

## Site Owner(s) and Operator(s)

**Current Owner Name:** CITY OF POUGHKEEPSIE
**Current Owner(s) Address:** CITY HALL, P.O. BOX 3000
POUGHKEEPSIE,NY, 12601

## Site Description

Location: The “400 Block” Restoration Area Site is located at 413-441 Main Street, in Poughkeepsie, Dutchess County, New York on an irregularly shaped 1.7-acre parcel. The Site is located on the northern side of Main Street and the southern side of Mill Street. Site Features: The property contains three, 3-story structures that occupy the entirety of the property’s southern frontage along Main Street. The southern portion of the property is developed with multi-story brick and wood structures, in which portions of these buildings are partially collapsed. These structures are currently vacant. Historically, these buildings were used for retail, commercial and residential purposes. The central western portion of the property is comprised of an unpaved parking area with overgrown trees and grass. A concrete loading dock extends south from a multi-story brick building located in the north-western portion of the property. An unpaved vacant lot comprised of overgrown lawn is located in the eastern portion of the property. All structures contain ground floor residential and retail commercial uses. The Site is served by storm sewers, sanitary sewers and public water. No surface water is present at the Site. Fall Kill Creek is located approximately 200 feet north of the Site, and the Hudson River is located approximately 1 mile west of the Site. Current Zoning and Land Use: The Site’s general location is in an urban setting and is presently zoned as commercial land. The surrounding parcels are currently used for a combination of residential and commercial purposes. Manufacturing uses prior to World War II include the production of carriage mountings, fur hats, clothing, sheet metal and brass. During the period 1950-1980, portions of the Site were used for automotive repair, a machine shop, wholesale electrical supply, clothing manufacture, and residences. Past Use of the Site: In 1979, several parcels along Mill Street were acquired by Lomasney Combustion Inc. for the installation and service of oil-fired boilers. This operation included the storage and use of fuel oils, machine lubricants, hydraulic oils, and, possibly, waste oils. This operation may have also been associated with the handling of mercury switches and thermostats, as well as other electrical equipment containing PCBs. These activities continued until 1986. In 1998 the Site was acquired by the City of Poughkeepsie for construction of multi-family homes. A preliminary environmental site assessment was conducted on behalf of the City of Poughkeepsie in 1998. This assessment identified the presence of unregistered above ground storage and underground petroleum storage tanks, and the potential for asbestos- and lead- containing building materials. Test pits and soil borings confirmed the presence of subsurface petroleum contamination in the area of underground storage tanks, and identified lead, cadmium, PCBs, and Polycyclic Aromatic Hydrocarbons (PAHs) in the soil floor of the Lomasney Building. Site Geology and Hydrogeology: The upper layer of Site soils was found to be urban fill consisting of sand, silt, and cobbles, but also including cinders, coal, and brick fragments. At depths ranging from 4 to 6 feet, a thin layer of organic soil was encountered, followed by a layer of silt containing varying amounts of clay and sand. Shale bedrock was encountered at depths ranging from 13 to 17 feet beneath the Site. Groundwater is generally found at depths ranging from 3 to 6 feet beneath the Site, flowing in a westerly direction towards the Hudson River.

## Contaminants of Concern (Including Materials Disposed)

**Contaminant Name/Type**

## Site Environmental Assessment

Remediation at the site is complete. Prior to the remediation the primary contaminants of concern at the site are PCBs, mercury and PAH's in the soil, soil vapor and groundwater. Remedial actions have successfully achieved soil cleanup objectives for commercial use. Residual contamination in the soil, soil vapor, and groundwater are being managed under a Site Management Plan.

## Site Health Assessment

Soil removal actions have been completed to remove contaminated material found in surface soils. A cover system, consisting of building foundation, clean soils, concrete or asphalt, is in place to prevent contact with any remaining underlying contamination. People are not drinking the contaminated groundwater because the area is served by a public water supply that is not affected by this contamination. An active sub-slab depressurization system (systems that ventilate/remove the air beneath the building) is no longer needed in one on-site commercial and one residential building since soil vapor intrusion is longer a potential concern.

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:** 19, 21, & 23 Academy Street - Off-site
**Site Code:** C314126A
**Program:** Brownfield Cleanup Program
Classification: A
**EPA ID Number:**

## Location

**DEC Region:** 3
**Address:** 19, 21, & 23 Academy Street
**City:**Poughkeepsie Zip: 12601
**County:**Dutchess
**Latitude:** 41.701936521
**Longitude:** -73.92576556
**Site Type:**
**Estimated Size:** 0 Acres

## Site Owner(s) and Operator(s)

## Site Description

The area of concern subject to this work is considered off-site from BCP site C360141 and reflects the investigation and possible remediation of contamination that may have migrated from that site. Below is the current status of on-site information. Location: The site is located in an urban area at 19, 21 and 23 Academy Street in the City of Poughkeepsie, Dutchess County. The site is an irregular-shaped, 0.216-acre parcel which has 90 feet of frontage on the eastern side of Academy Street. Site Features: The site currently contains two, multi-story, commercial, residential and mixed-use (commercial and residential) buildings. Both buildings are currently vacant. The buildings located at 23 Academy Street are undergoing extensive renovation activities. Current Zoning and Land Use: The site properties are zoned C-2, Central Commercial District and consists of three vacant buildings that were previously

utilized for commercial and residential uses. Past Uses of the Site: The site was developed sometime prior to 1887 and has a long history of commercial uses, including the operation of a garage and machine shop, dry cleaning and printing facilities, paint storage area, and tire vulcanization. The portion of the Site at 21 Academy Street is listed on the RCRIS database as a site formerly handling halogenated solvents (likely due to historical dry cleaning operations). Site Geology and Hydrogeology: Soils on the subject properties are likely to be derived from glacial till deposits which overlie the Austin Glen Formation (consisting of greywacke and shale). The Urban Land soil series is likely to be located on the property. Subsurface soils consist of brown, variable texture sand and silty sand with gravel overlaying light brown and gray, wet, dense silty clay. Brick inclusions were observed in the 0 to 5 feet below surface grade (bsg) interval in the northeastern and west-central portions of the Site. Generally, soils deeper than 10 feet bsg appeared to be native, undisturbed material. Groundwater ranged between 10.5 to 13 feet bsg. Shallow groundwater flow in the vicinity of the property is inferred to be to the south. There are no surface water bodies, wet areas, or regulated wetlands on the property.

## Site Environmental Assessment

The area of concern subject to this work is considered off-site from BCP site C360141 and reflects the investigation and possible remediation of contamination that may have migrated from that site. Below is the current status of on-site information and will be modified to show the off-site data once the site characterization is complete. 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 VOCs, SVOCs, metals, and PFAS in soil and VOCs and PFAS in the groundwater, and VOCs in soil vapor. Soil - A total of 14 soil samples were collected during the remedial investigation into overburden beneath the site. Several constituents were identified at concentrations that exceed their Restricted Residential Soil Cleanup Objectives (RRSCOs). The following is a list of those compounds and the exceedance ranges: tetrachloroethene (PCE) 160 parts per million (ppm) vs RRSCO of 19 ppm, benzo(a)anthracene 3.79-10.2 ppm vs RRSCO of 1 ppm, benzo(a)pyrene 3.42-18.1 ppm vs RRSCO of 1 ppm, benzo(k)fluoranthene 4.75-14.8 ppm vs RRSCO of 3.9 ppm, benzo(b)fluoranthene 2.9-16.6 ppm vs RRSCO of 1 ppm, chrysene 4.89-12 ppm vs RRSCO of 3.9 ppm, dibenzo(a,h)anthracene 0.71-4.08 ppm vs RRSCO of 0.33 ppm, indeno(1,2,3-cd)pyrene 2.2-10.2 ppm vs RRSCO of 0.5 ppm, copper 424 ppm vs RRSCO of 270 ppm, lead 587-1,960 ppm vs RRSCO of 400 ppm, mercury 2.79-7.94 ppm vs RRSCO of 0.81 ppm, arsenic 21 ppm vs RRSCO of 16 ppm. Emerging contaminants were detected in soil samples collected from the site. Perfluorooctanesulfonic acid (PFOS) was detected in samples collected throughout the site at lower levels typically below 1 parts per billion (ppb) with two samples showing eleveated

concentrations of 44.9 and 100 ppb at the rear of the former drycleaner in the area of the PCE soil contaminaton. Perfluorooctanoic acid (PFOA) was detected in the same manner as PFOS described above at 2.97 ppb. Other PFAS compounds from the list of 21 analyzed were also elevated in the same two samples as compared to the other 15 samples that were analyzed for PFAS. It is not expected that on-site soils will migrate off-site. Groundwater - Six additional monitoring wells were installed on-site bringing the total to four on-site and eight off-site, but adjacent to the border. Several constituents were identified at concentrations that exceed their groundwater standard. The following is a list of those compounds and exceedance ranges: PCE 18-950 ppb vs groundwater standard (GA) of 5 ppb, trichloroethene (TCE) 5.2-32 ppb vs GA of 5 ppb, cis-1,2-dichlorothene (cis-1,2-DCE) 6.7-31 ppb vs GA of 5 ppb, chloroethane 5.5 ppb vs GA of 5 ppv, and chloromethane 15 ppb vs GA of 5 ppb. For PFAS, perfluorooctanoic acid (PFOA) and perfluorooctanesulfonic acid (PFOS) were reported at concentrations of up to 120 and 101 parts per trillion (ppt), respectively, exceeding the 10 ppt screening levels for groundwater for each. Other PFAS compounds of the 21 analyzed were seen at elevated levels which exceed the screening level for any one PFAS compound other than PFOA and PFOS above 100 ppt including the following: Perfluorobutanoic acid (PFBA) 278 ppt, Perfluoroheptanoic acid (PFHpA) 190 ppt, Perfluorohexanoic acid (PFHxA) 670 ppt, Perfluoropentanoic acid (PFPeA) 680 ppt. On-site groundwater is migrating off-site based on samples from off-site, downgradient monitoring wells showing levels of VOCs in exceedance of their groundwater standards. Soil Vapor - A total of seven soil vapor samples were collected from locations throughout the site. Elevated levels of chlorinated VOCs (CVOCs) were detected in sub-slab samples. The following is a list of compounds and their detected ranges: PCE 75-42,700 micrograms per cubic meter (ug/m3), TCE 29.8-3,330 ug/m3. cis-1,2-DCE 30-730 ug/m3. Elevated levels of these compounds in the sub-slab pose a soil vapor intrusion risk to the on-site structures. Soil vapor impacts extend extend off-site as evidenced from off-site soil vapor intrusion sampling associated with the off-site State Superfund project.

## Site Health Assessment

As information for this site becomes available, it will be reviewed by the NYSDOH to determine if site contamination presents public health exposure concerns.

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:** 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**

arsenic
benzo(a)anthracene
benzo(a)pyrene
benzo(b)fluoranthene
benzo(k)fluoranthene
carbon tetrachloride

chloroform
chrysene
dibenz[a,h]anthracene
indeno(1,2,3-cd)pyrene
lead
mercury
tetrachloroethene (PCE)
trichloroethene (TCE)

## 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

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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**

acetone
benzo(a)anthracene
benzo(a)pyrene
benzo(b)fluoranthene
benzo(k)fluoranthene

chrysene
copper
indeno(1,2,3-cd)pyrene
lead
manganese
mercury
methylene chloride
nickel
perfluorooctane sulfonic acid
perfluorooctanoic acid
sodium
zinc

## 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, typical of historic fill. 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 at depths ranging from 41 to 62 feet bgs according to a 2020 geotechnical report. 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 1,530 ppm vs USCO of 63 ppm, manganese 1,670 ppm vs USCO of 1,600, 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. There was a minimal USCO exceedance for manganese and thus manganese is not a contaminant of concern at this site. Acetone and methylene chloride were detected at a concentration above USCO in one sample. However, acetone and methylene chloride are common laboratory artifacts, and they are not considered contaminants of concern at this site. 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 and thus are not considered contaminants of concern for this site. 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. However, these metals are naturally occurring and/or typically related to road salt application and are therefore not considered contaminants of concern at this site. VOCs, SVOCs, PCBs, pesticides, cyanide, and 1,4-dioxane were non-detect or below standards. While lead was detected in groundwater (unfiltered sample) in the 2013 Phase 2 investigation, it was not detected in filtered or unfiltered groundwater samples during the Remedial Investigation and is therefore not considered a contaminant of concern in groundwater. For per- and polyfluoroalkyl substances (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 in the same well at 1,600 ppt exceeding the 100 ppt screening level. These data indicate that the site is not a source of PFAS to groundwater. PFAS was not detected in other wells on the site, though over time, the PFAS-contaminated groundwater flowing onto the site has the potential of migrating off-site. Soil Vapor - A total of 4 sub-slab soil vapor and 4 co-located indoor air samples and 2 additional soil vapor samples were collected from locations throughout the site. Low levels of the chlorinated solvents 1,1,1-trichloroethane with a maximum detection of 0.475 micrograms per cubic meter (ug/m3), tetrachloroethene with a maximum detection of 0.542 ug/m3, carbon tetrachloride with a maximum detection of 0.61 ug/m3, and vinyl chloride with a maximum detection of 0.877 ug/m3 were detected in on-site soil vapor and/or indoor air. Based on the 2006 Guidance for Evaluating Soil Vapor Intrusion in NYS, with updates, no further action is needed to address potential exposures via soil vapor intrusion in all cases. Off-site migration of soil vapor contamination is not a concern.

## Site Health Assessment

People who dig below the ground surface may come into contact with contaminants in subsurface soil. 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 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. Environmental sampling indicates soil vapor intrusion is not a concern for on-site or off-site locations.

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:** HRH Lead Abatement Site
**Site Code:** 314122
**Program:** State Superfund Program
Classification: A
**EPA ID Number:**

## Location

**DEC Region:** 3
**Address:** 55 Garden Street
**City:**Poughkeepsie Zip: 12601
**County:**Dutchess
**Latitude:** 41.705761
**Longitude:** -73.925741
**Site Type:**
**Estimated Size:** 0.17 Acres

## Site Owner(s) and Operator(s)

**Current Owner Name:** HRH Neighborhood Development Fund Company
**Current Owner(s) Address:** 313 Miller Street
Poughkeepsie,NY, 12601

## Site Description

Location: The site is located at 55 Garden Street in the City of Poughkeepsie, Dutchess County. Site Features: The 0.17 acre site includes a single family home with small front and rear yards. Current Zoning and Land Use: The site is currently zoned and in use as a single family residence. Past Use of the Site: The site was a single family residence that was abated for lead paint as part of a rehabilitation project. Site Geology and Hydrogeology:

## Site Environmental Assessment

The primary contaminant associated with the site is lead, which resulted from the abatement of lead paint as part of the rehabilitation of the structure. All lead resulting from the abatement was containerized and properly disposed off-site.

For more Information: E-mail Us

Refine This Search

# 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:** 4-8-25

**PROJECT ADDRESS:** 53 N Clinton St

**PROJECT NAME:**

**OWNER:** 4COPNY LLC

**ENGINEER/ARCHITECT:** KARC

☑ **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**

PAID
24169
MAY 05 2025
$1830

RECEIVED
MAY 06 2025
By

APPLICATION TO THE PLANNING BOARD
CITY OF POUGHKEEPSIE, NEW YORK

# Application for Site Plan, Special Permit & Facade Approval

6162-62-069344

OFFICE USE ONLY
CODE: PLSF 370180
ID # PB2025-037
FEE: $1830
Total, from:
$500. plus
$ 1050
($150 per 1000 square feet of floor area), plus
$ 280
($35 per number of required parking spaces), plus
$ _____
($500 for special permit, if applicable)

I. **PROPERTY ADDRESS:** 24-26 PARKER AVE

II. **PROPERTY OWNER:** PARKER CPK LLC
**ADDRESS:** 6 ORCHARD PL
POUGHKEEPSIE
N.Y. 12601 (state and zip code)
**PHONE NUMBER:** (845) 473-4177 (include area code)

III. **NAME OF APPLICANT:** SIEGRIST PROPERTIES LLC
**ADDRESS:** 6 ORCHARD PL
POUGHKEEPSIE
N.Y. 12601 (state and zip code)
**PHONE NUMBER:** (845) 473-4177 (include area code)
**EMAIL ADDRESS:** GEORGE@SIEGRISTCONSTRUCTION.NET

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

IV. **CONSULTANT:** CIRO INTERRANTE ARCHITECT, P.C.
**ADDRESS:** 25 MARKET STREET SUITE 3
POUGHKEEPSIE
N.Y. 12601 (state and zip code)
**PHONE NUMBER:** (845) 473-7572 (include area code)
**EMAIL ADDRESS:** CIRONT@GMAIL.COM

V. **PROPOSED USE or FAÇADE CHANGE** (Summarize proposed use or uses): NEW 6 UNIT APARTMENT BUILDING

VI. **ZONING DISTRICT:** WG

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

Revised January 2025: Previous Editions Obsolete

## 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: $ 550,000

**LOT AND BULK INFORMATION:**

Lot area: .266 (acres) 11,587 (square feet)

Building Footprint: 3193 (proposed square feet for new construction)

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

— (additional proposed square feet for expansion)

3,193 (total building footprint, square feet)

Lot Coverage: 27% (percentage, building coverage only)

Gross Floor Area: 6,386 (proposed square feet for new construction)

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

— (additional proposed square feet for expansion)

6,386 (total gross floor area, square feet)

Building Height: 2 (stories) 26± (feet)

Floor Area Ratio: 55% (ratio of gross floor area divided by lot area)

## VIII. PROJECT PARKING INFORMATION

A) Number of Off-Street Parking Spaces required: 8

B) Number of Off-Street Parking Spaces provided: 8

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

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

If yes, name all such municipal facilities: WALKWAY OVER THE HUDSON PARKING LOT - 550 FROM SUBJECT PROPERTY

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

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

_____ (Yes) __X__ (No)

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

_____

_____

_____

_____

## IX. RESIDENTIAL PROPOSALS

A) Type of Development: MULTIPLE RESIDENCE RENTAL
(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 60

Number with three or more bedrooms: —

Total number of units: 60

C) Is funding public? _____Yes __X__No
If yes, describe funding source: _____

## X. OFFICE PROPOSALS (____Medical/Dental_____Professional_____Business)

A) Number of Employees: _____

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

C) Days/Hours of Operation: _____

**XI. SERVICE BUSINESS PROPOSALS**

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

B) Number of Employees: _____

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

D) Days/Hours of Operation: _____

**XII. MERCANTILE PROPOSALS** (Retail_____Wholesale_____)

A) Type of Mercantile (specify): _____

B) Number of Employees: _____

C) Days/Hours of Operation: _____

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

A) Specify Use: _____

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

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

D) Type of Menu: _____

E) Days/Hours of Operation: _____

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

G) Will the restaurant contain a bar/lounge?: _____Yes_____No

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

I) Is a drive-through window proposed? _____

J) Is a walk-up window proposed? _____

K) Is an outdoor seating area proposed? _____

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

M) If yes, is outdoor cooking proposed? _____

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

A) Specify Use: _____

B) Number of shifts (if any): _____

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

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

F) Days/Hours of operation: _____

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

A) Specify: _____

B) Number of shifts (if any): _____

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

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

E) Number of seats in largest assembly space: _____

F) Number of classrooms (schools): _____

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

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

I) Days/Hours of Operation: _____

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

_____

_____

_____

_____

_____

**XVII. APPLICANT CERTIFICATION**

I, Joe C. [illegible], 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.

_____ 5/6/25

Signature of Applicant Date

## GENERAL NOTES:

I) APPLICATION REQUIREMENTS AND GENERAL SITE PLAN INFORMATION

1. THERE ARE NO OPEN VIOLATIONS ON THE PROPERTY THAT WOULD NOT BE CURED BY THE CURRENT APPLICATION.
2. NO WAIVERS ARE REQUESTED.
3. A FULL ENVIRONMENTAL ASSESSMENT FORM OR TYPE 2 ACTION NOT REQUIRING SEQRA ARE NOT APPLICABLE TO THIS PROJECT.
4. NAME AND ADDRESS OF OWNER OF RECORD HAS BEEN SHOWN.
5. 24–26 PARKER AVE IS LOCATED IN THE WALKWAY–GATEWAY ZONING DISTRICT (W–G).
6. NAMES OF OWNERS OF ADJOINING PROPERTIES HAS BEEN SHOWN.
7. THE APPLICANT, PARKER CPK LLC, IS FINANCIALLY CAPABLE TO COMPLETE THE PROPOSED DEVELOPMENT.

II) EXISTING SITE CONDITIONS

8. THERE ARE NO EXISTING EASEMENTS, RIGHTS–OF–WAY, SETBACKS, RESERVATIONS AND REARS DEDICATED TO PUBLIC USE, OUTLINE OF EXISTING COVENANTS AND DEED RESTRICTIONS WITHIN, ADJACENT OR OTHERWISE PERTAINING TO THE PROPERTY.
9. THERE ARE NO SCENIC VIEWS ON PARKER AVE.
10. PLAN VIEW SHOWS EXISTING PAVED AREAS, WALKWAYS, VEHICULAR ACCESS TO PUBLIC STREETS, INTERNAL DRIVES, SCREENING, FENCES, AND OUTLINES AND DESCRIPTIONS OF ALL STRUCTURES WITHIN 25' OF THE PROPERTY. MATERIALS OF EXISTING FEATURES ARE PROVIDED. EXISTING CONTOURS, WATERCOURSES, MARSHES, WOODED AREAS, ROCK OUTCROPS, ISOLATED TREES WITH A DIAMETER OF 8" OR MORE MEASURED 3'–0" ABOVE THE BASE OF THE TRUNK, CURBS, AND ADJACENT STREETS WITH NAMES AND WIDTHS ARE NOT SHOWN AS THEY ARE NOT APPLICABLE TO THIS PROJECT. SITE IS RELATIVELY FLAT AND SLOPES GRADUALLY TO THE REAR.
11. LOCATIONS OF EXISTING AND PROPOSED UTILITIES AND CONNECTIONS HAS BEEN SHOWN FOR SANITARY, WATER, GAS, AND ELECTRIC.
12. 24–26 PARKER AVE IS NOT SUBJECT TO STORM WATER OVERFLOWS.

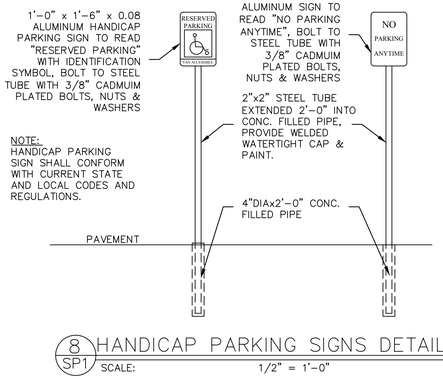
III) PROPOSED SITE IMPROVEMENTS

13. DETAILED ELEVATIONS OF THE PRINCIPAL STRUCTURE, INCLUDING THE COLORS AND MATERIALS, HAVE BEEN SHOWN AND LABLED USING CARDINAL DIRECTIONS.
14. EXISTING FIRE HYDRANT LOCATION HAS BEEN SHOWN. LOCATION OF KNOX BOXES.
15. LIGHTING PLAN HAS BEEN ADDED WITH LIGHT FIXTURE DETAILS. SPECIFICATION SHEETS WILL BE SUBMITTED WITH SITE PLAN SHEETS.
16. NO NEW GRADES PROPOSED.
17. THERE ARE NO EASEMENTS, DEED RESTRICTIONS, COVENANTS OR RIGHTS–OF–WAY AND A NOTATION OF ANY AREAS TO BE DEDICATED TO A PUBLIC AGENCY, AND ANY PUBLIC IMPROVEMENTS CONTEMPLATED ON OR ADJOINING THE PROPERTY.
18. ENGINEERING TO REVIEW STORM WATER QUALITY REQUIREMENTS BASED ON NYDES PHASE II REQUIREMENTS.

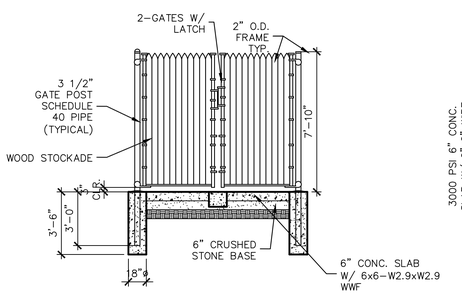
IV) OTHER REQUIRED PLAN NOTES

19. ENGINEERING TO REVIEW STORMWATER IMPROVEMENTS.
20. NO EXISTING TREES TO BE RETAINED.

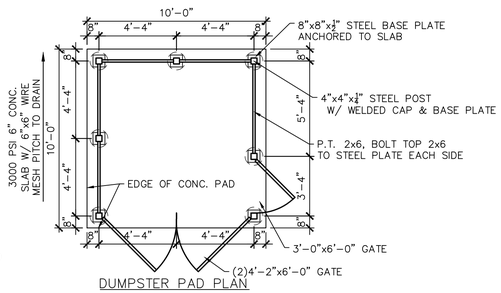
## 2 SP1 PARCEL MAP 24–26 PARKER AVENUE
SCALE: N.T.S.




## 8 SP1 HANDICAP PARKING SIGNS DETAIL
SCALE: 1/2" = 1'–0"

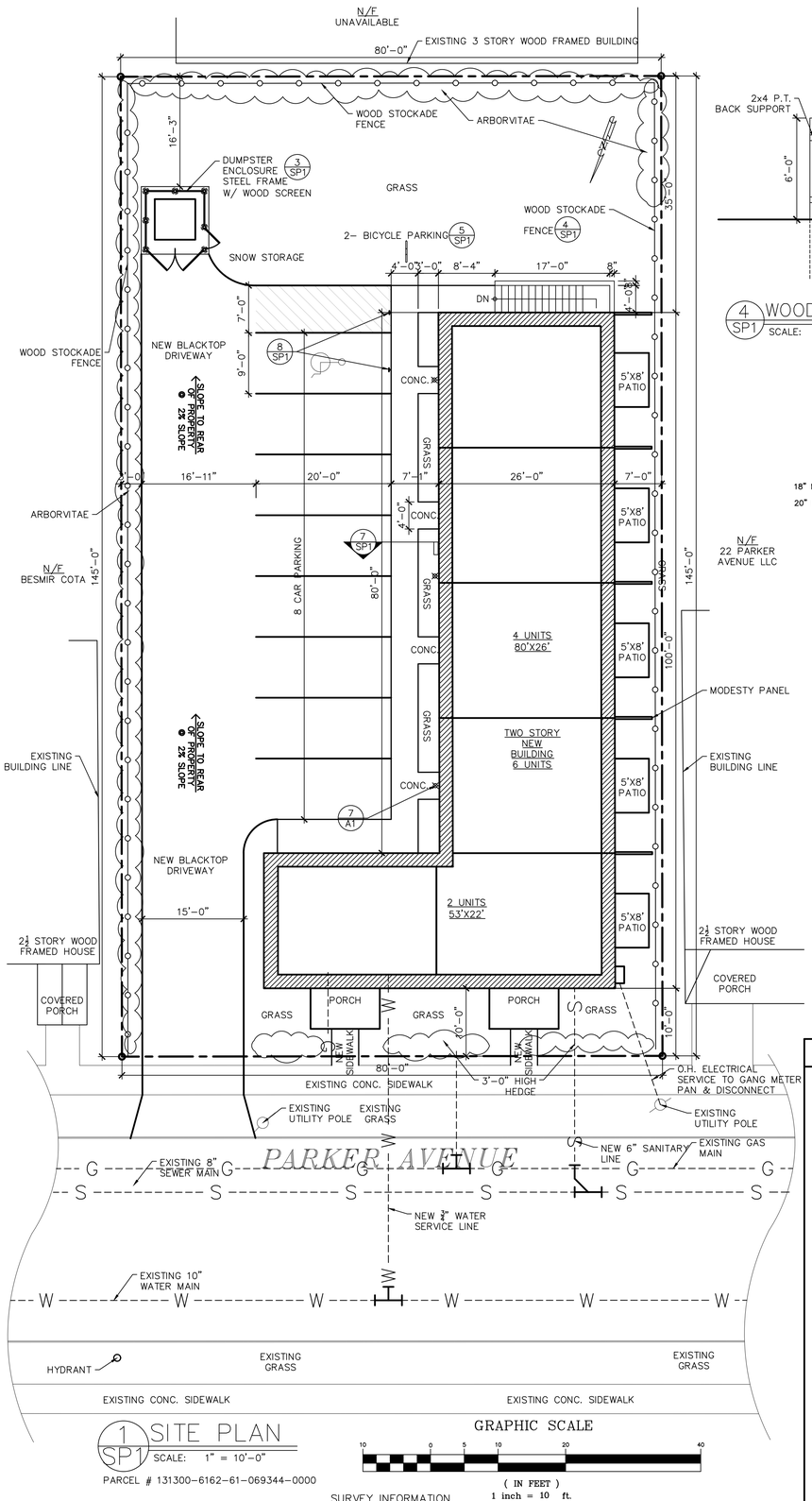



DUMPSTER PRIVACY SCREEN DETAIL




DUMPSTER PAD PLAN

## 3 SP1 DUMPSTER ENCLOSURE DETAIL
SCALE: 1/4" = 1'–0"




## 1 SP1 SITE PLAN
SCALE: 1" = 10'–0"

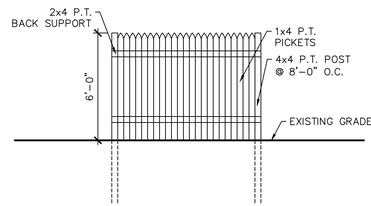
PARCEL # 131300–6162–61–069344–0000

GRAPHIC SCALE
10 0 5 10 20 40
( IN FEET )
1 inch = 10 ft.

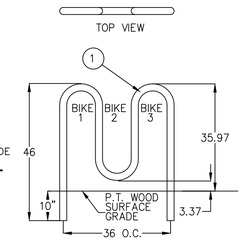
SURVEY INFORMATION

IMAGE OF SURVEY OBTAINED FROM PAPER COPY OF ORIGINAL SURVEY PREPARED BY ROBERT L. CAMPBELL, LS DATED 2–25–2021 AND TITLED MAP OF SURVEY FOR 24–26 PARKER AVENUE.

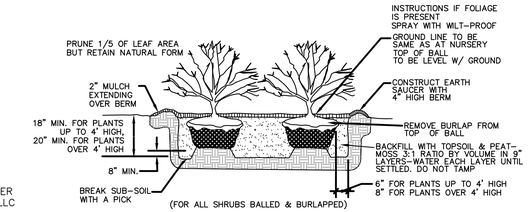
MATERIALS LIST
(1) Tubing Ø–2 3/8" x .154" Wall Steel Tubing



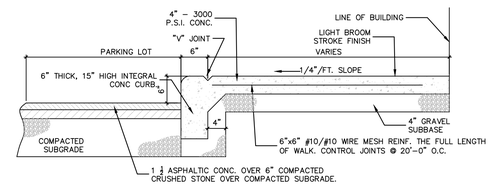

## 4 SP1 WOODEN FENCE DETAIL
SCALE: 1/4" = 1'–0"




## 5 SP1 BICYCLE RACK DETAIL
SCALE: 1/2" = 1'–0"




## 6 SP1 SHRUB PLANTING DETAIL
SCALE: N.T.S.




## 7 SP1 CURB DETAIL
SCALE: 1/2" = 1'–0"

PLAN NORTH

### OWNER'S CONSENT

THE UNDERSIGNED OWNER OF THIS PROPERTY HEREON STATES THAT HE/SHE IS FAMILIAR WITH THIS MAP, ITS CONTENTS AND ITS LEGENDS AND HEREBY CONSENTS TO ALL SAID TERMS AND CONDITIONS AS STATED HERON.

APPLICANT _____ DATE _____

### APPROVAL BLOCK

| Revisions | | | |
|---|---|---|---|
| No. | Date: | Description: | |
| No. 1 | 12–16–24 | GENERAL REVISIONS | |
| No. 2 | 2–21–25 | GENERAL REVISIONS | |
| No. 3 | 3–31–25 | P.B. COMMENTS | |
| No. 4 | 4–25–25 | GENERAL REVISIONS | |
| No. 5 | 5–2–25 | PLANNING BOARD COMMENTS | |
| No. 6 | 5–9–25 | PLANNING STAFF COMMENTS | |

CIA — "IN THE SPIRIT OF COOPERATION"

CIRO INTERRANTE ARCHITECT, P.C.
25 MARKET STREET
POUGHKEEPSIE, NEW YORK 12601
(845) 473–7572 Office
CIRONT@GMAIL.COM

| DRAWN BY: | CHECKED BY: | ISSUED DATE: |
|---|---|---|
| D.H., N.A.P. | C.I. | 27 SEPT 2024 |

REGISTERED ARCHITECT — CIRO INTERRANTE — 14579 — STATE OF NEW YORK

**SITE PLAN**

PROPOSED NEW DEVELOPMENT FOR:
PARKER CPK LLC
6 ORCHARD PL POUGHKEEPSIE, N.Y. 12601
24–26 PARKER AVE POUGHKEEPSIE, N.Y. 12601

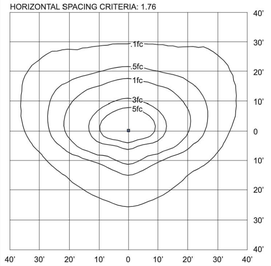
Project Number. 24–40

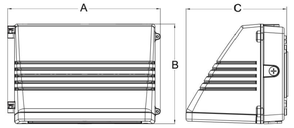
SHEET NO. 1
SP1
SITE PLAN

J:\Volumes\share\CIA PPP ROJECTS FOLDER\2024 Drawings Folder\24 40 SEIGREST PARKER AVENUE SIEGRIST\FROM TO\5 9 25\24 26 Parker Ave Site Plan 5 9 25.dwg, Fri, May 9 10:18:09 2025, AutoCAD PDF (General Documentation).pc3

**Sample Photometry**

**E110X-27-VS-4K**
IES: TYPE III Short
MOUNTING HEIGHT: **10'**
TILT: ZERO
HORIZONTAL SPACING CRITERIA: 1.76



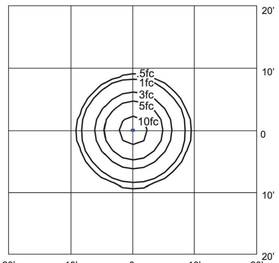

| Model | A | B | C | Weight |
|---|---|---|---|---|
| E110X-27 | 14.2" | 9.3" | 8.8" | 6.6 lbs |
| E110X-45 | 14.2" | 9.3" | 8.8" | 6.9 lbs |
| E110X-90 | 18.1" | 9.8" | 9.5" | 10.7 lbs |

3 SP2 FLOOD LIGHT FIXTURE SPECS
SCALE: N.T.S.

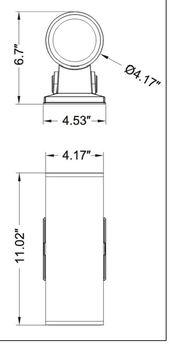
2 SP2 IMAGE OF FLOOD LIGHT FIXTURE
SCALE: N.T.S.

**Sample Photometry**

**UDC-20-VS-CP (10W, 5000K, 60°, Up or Down)**
IES: TYPE III Very Short
MOUNTING HEIGHT: **10'**
TILT: ZERO
HORIZONTAL SPACING CRITERIA: 2.40

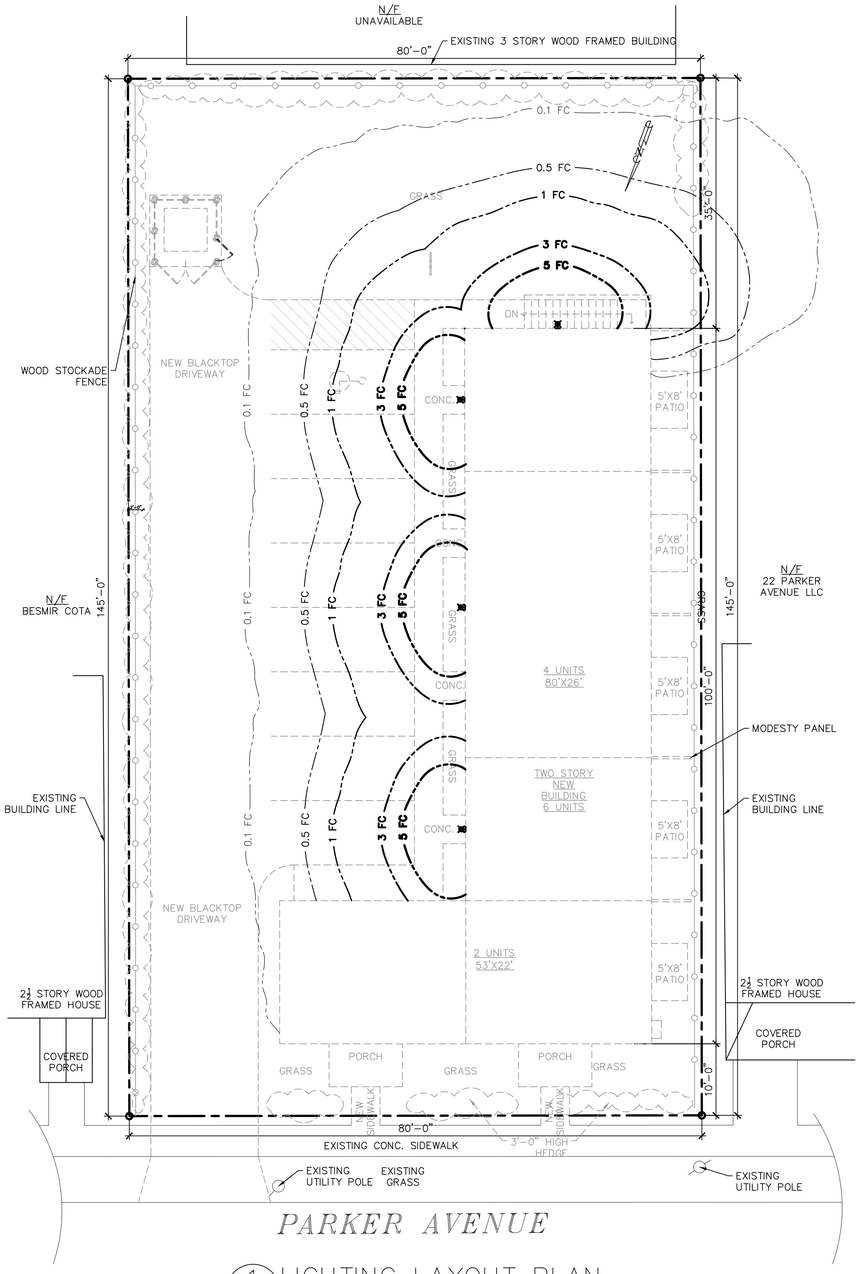



**Dimensions**




5 SP2 FLOOD LIGHT FIXTURE SPECS
SCALE: N.T.S.

4 SP2 IMAGE OF DOOR LIGHT FIXTURE
SCALE: N.T.S.




1 SP2 LIGHTING LAYOUT PLAN
SCALE: 1" = 10'-0"

PARCEL # 131300-6162-61-069344-0000

GRAPHIC SCALE

10 0 5 10 20 40
( IN FEET )
1 inch = 10 ft.

| Revisions | | | |
|---|---|---|---|
| No. | Date: | Description: | |
| No. 1 | 12-16-24 | GENERAL REVISIONS | |
| No. 2 | 2-21-25 | GENERAL REVISIONS | |
| No. 3 | 3-31-25 | P.B. COMMENTS | |
| No. 4 | 4-25-25 | GENERAL REVISIONS | |
| No. 5 | 5-5-25 | PLANNING STAFF COMMENTS | |
| No. 6 | 5-9-25 | PLANNING STAFF COMMENTS | |

CIA
"IN THE SPIRIT OF COOPERATION"


CIRO INTERRANTE ARCHITECT, P.C.
25 MARKET STREET
POUGHKEEPSIE, NEW YORK 12601
(845) 473-7572 Office CIRONT@GMAIL.COM


DRAWN BY: D.H., N.A.P. | CHECKED BY: C.I. | ISSUED DATE: 27 SEPT 2024

REGISTERED ARCHITECT
CIRO INTERRANTE
14579
STATE OF NEW YORK

**LIGHTING LAYOUT PLAN AND DETAILS**

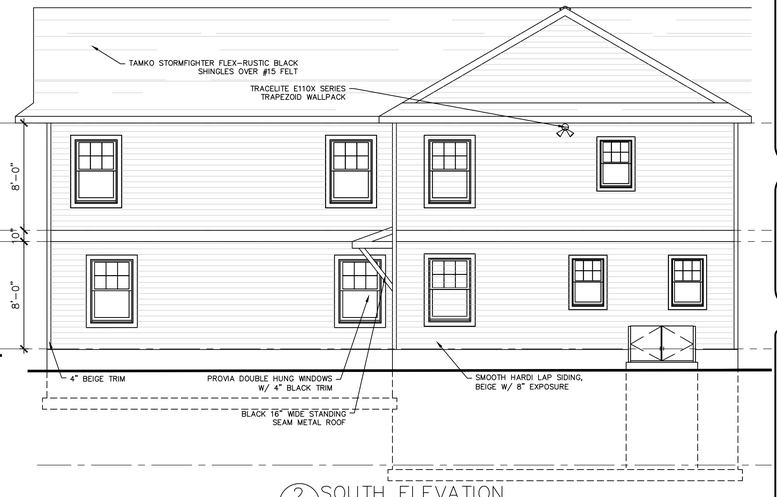
PROPOSED NEW DEVELOPMENT FOR:
**PARKER CPK LLC**
6 ORCHARD PL POUGHKEEPSIE, N.Y. 12601
24-26 PARKER AVE POUGHKEEPSIE, NY. 12601

Project Number. 24-40

SHEET NO. 1
SP2
SITE PLAN


\Volumes\share\CIA PPP ROJECTS FOLDER\2024 Drawings Folder\24-40 SEGREEST PARKER AVENUE SIEGREST\FROM TO\5 9 25\24-26 Parker Ave Site Plan 5 9 25.dwg, Fri May 9 10:18:36 2025, AutoCAD PDF (General Documentation).pc3

1 A1 EAST ELEVATION
SCALE: 3/16" = 1'–0"




2 A1 SOUTH ELEVATION
SCALE: 3/16" = 1'–0"

3 A1 WEST ELEVATION
SCALE: 3/16" = 1'–0"

4 A1 NORTH ELEVATION
SCALE: 3/16" = 1'–0"

GENERAL NOTES:

1. ALL WINDOWS AND SLIDING DOORS BY PROVIA
   https://www.provia.com/windows/
2. EXTERIOR DOORS BY THERMA TRU
   https://www.thermatru.com/explore-products/door-style/S4813XR
3. SIDING BY JAMES HARDI
   https://www.jameshardie.ca/products/hardieplank-lap-siding
4. SHINGLES BY TAMKO BUILDING PRODUCTS LLC
   https://www.tamko.com/all-shingle-colors/stormfighter-flex-rustic-black
5. EXTERIOR LIGHTING BY TRACELITE
   https://barronltg.com/pdf/udc.pdf
   https://barronltg.com/pdf/e110x.pdf

Revisions

| No. | Date: | Description: |
|---|---|---|
| No. 1 | 12-16-24 | GENERAL REVISIONS |
| No. 2 | 2-21-25 | GENERAL REVISIONS |
| No. 3 | 3-31-25 | P.B. COMMENTS |
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| No. 5 | 5-5-25 | PLANNING STAFF COMMENTS |
| No. 6 | 5-9-25 | PLANNING STAFF COMMENTS |

CIA
"IN THE SPIRIT OF COOPERATION"

CIRO INTERRANTE ARCHITECT, P.C.
25 MARKET STREET
POUGHKEEPSIE, NEW YORK 12601
(845) 473-7572 Office CIRONT@GMAIL.COM

DRAWN BY: D.H., N.A.P. | CHECKED BY: C.I. | ISSUED DATE: 27 SEPT 2024

REGISTERED ARCHITECT CIRO INTERRANTE 24579 STATE OF NEW YORK

**ELEVATIONS AND SURROUNDING BUILDINGS IMAGES**

PROPOSED NEW DEVELOPMENT FOR:
24-26 PARKER AVENUE
POUGHKEEPSIE, NY. 12601

Project Number. 24-40

SHEET NO. 1
A1
ARCHITECTURAL

\\Volumes\share\CIA PPP ROJECTS FOLDER\2024 Drawings Folder\24-40 SEIGREST PARKER AVENUE SIEGRIEST FROM TO\5 9 25\24 26 Parker Ave Site Plan 5 9 25.dwg, Fri May 9 10:19:02 2025, AutoCAD PDF (General Documentation).pc3

# *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:
24-26 Parker Ave

Project Location (describe, and attach a location map):
24-26 Parker Ave Poughkeepsie, N.Y. 12601

Brief Description of Proposed Action:
New six unit apartment building on a vacant .266 acre lot with a new driveway and 8 car parking.

| Name of Applicant or Sponsor: | Telephone: (845)473-4177 |
|---|---|
| Siegrist Properties LLC | E-Mail: george@siegristconstruction.net |

Address:
6 Orchard Pl

| 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: | ☑ | ☐ |

3. a. Total acreage of the site of the proposed action? .266 acres
   b. Total acreage to be physically disturbed? .266 acres
   c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? .266 acres

4. Check all land uses that occur on, are adjoining or near the proposed action:

5. ☑ Urban ☐ Rural (non-agriculture) ☐ Industrial ☐ Commercial ☑ Residential (suburban)
   ☐ Forest ☐ Agriculture ☐ Aquatic ☐ Other(Specify):
   ☐ Parkland

| | NO | YES | N/A |
|---|---|---|---|
| 5. Is the proposed action, | | | |
| a. A permitted use under the zoning regulations? | ☐ | ☑ | ☐ |
| b. Consistent with the adopted comprehensive plan? | ☐ | ☑ | ☐ |

| | NO | YES |
|---|---|---|
| 6. Is the proposed action consistent with the predominant character of the existing built or natural landscape? | ☐ | ☑ |

| | NO | YES |
|---|---|---|
| 7. Is the site of the proposed action located in, or does it adjoin, a state listed Critical Environmental Area? | | |
| If Yes, identify: _____ | ☑ | ☐ |

| | NO | YES |
|---|---|---|
| 8. a. Will the proposed action result in a substantial increase in traffic above present levels? | ☑ | ☐ |
| b. Are public transportation services available at or near the site of the proposed action? | ☐ | ☑ |
| c. Are any pedestrian accommodations or bicycle routes available on or near the site of the proposed action? | ☐ | ☑ |

| | NO | YES |
|---|---|---|
| 9. Does the proposed action meet or exceed the state energy code requirements? | | |
| If the proposed action will exceed requirements, describe design features and technologies: _____ _____ | ☐ | ☑ |

| | NO | YES |
|---|---|---|
| 10. Will the proposed action connect to an existing public/private water supply? | | |
| If No, describe method for providing potable water: _____ _____ | ☐ | ☑ |

| | NO | YES |
|---|---|---|
| 11. Will the proposed action connect to existing wastewater utilities? | | |
| If No, describe method for providing wastewater treatment: _____ _____ | ☐ | ☑ |

| | NO | YES |
|---|---|---|
| 12. a. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district which is listed on the National or State Register of Historic Places, or that has been determined by the Commissioner of the NYS Office of Parks, Recreation and Historic Preservation to be eligible for listing on the State Register of Historic Places? | ☑ | ☐ |
| 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: City of Poughkeepsie storm sewer system in Parker Avenue | | |
| 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**

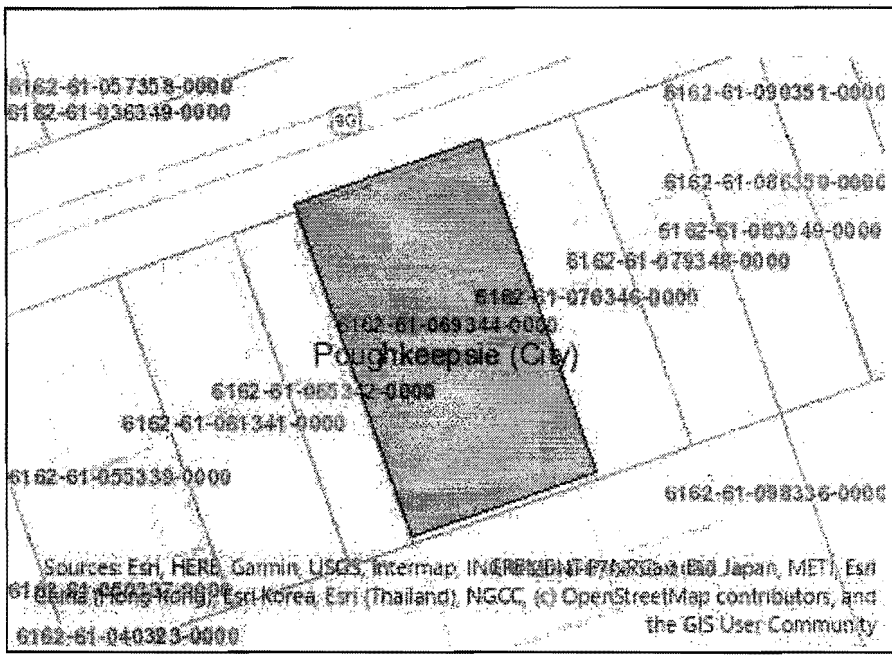
Applicant/sponsor/name: Ciro Interrante Architect, P.C. Date: 5-5-25

Signature: Title: Architect

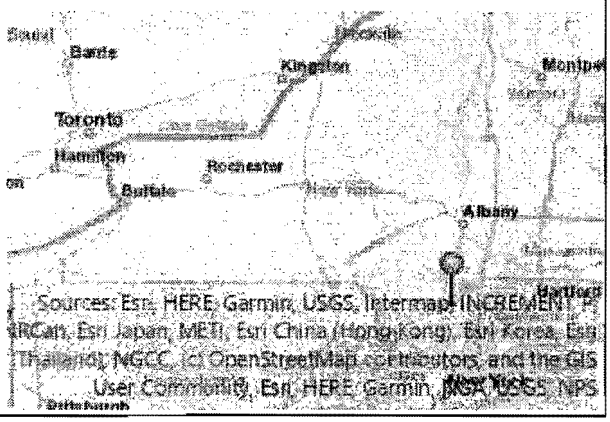
**PRINT FORM**

# EAF Mapper Summary Report

Wednesday, April 2, 2025 3:32 PM




**Disclaimer:** The EAF Mapper is a screening tool intended to assist project sponsors and reviewing agencies in preparing an environmental assessment form (EAF). Not all questions asked in the EAF are answered by the EAF Mapper. Additional information on any EAF question can be obtained by consulting the EAF Workbooks. Although the EAF Mapper provides the most up-to-date digital data available to DEC, you may also need to contact local or other data sources in order to obtain data not provided by the Mapper. Digital data is not a substitute for agency determinations.




| | |
|---|---|
| Part 1 / Question 7 [Critical Environmental Area] | No |
| Part 1 / Question 12a [National or State Register of Historic Places or State Eligible Sites] | No |
| Part 1 / Question 12b [Archeological Sites] | No |
| Part 1 / Question 13a [Wetlands or Other Regulated Waterbodies] | Yes - Digital mapping information on local and federal wetlands and waterbodies is known to be incomplete. Refer to EAF Workbook. |
| Part 1 / Question 15 [Threatened or Endangered Animal] | No |
| Part 1 / Question 16 [100 Year Flood Plain] | No |
| Part 1 / Question 20 [Remediation Site] | Yes |

# CITY OF POUGHKEEPSIE, NY
# BUILDING, PLANNING & ENGINEERING DEPARTMENTS

## SITE PLAN CHECK SHEET

ADDRESS: 24-26 PARKER AVE, POUGHKEEPSIE, N.Y. 12601

The following is a list of deficiencies noted to exist in the submission relative to the requirements for site plan review.

### I) APPLICATION REQUIREMENTS AND GENERAL SITE PLAN INFORMATION

| Compliance Certified | Item Description |
|---|---|
| ☒ YES ☐ NO ☐ N/A | Properly completed application form, including accurate contact information and applicant signature. |
| ☐ YES ☐ NO ☐ N/A | Required fees submitted: ☐ Site Plan: $500, plus $150 for 1000 square feet of floor area; ☐ Special Permit: $500 ☐ Full EAF: $500; ☐ $35 x _____ (# of Required Parking Spaces) = _____ TOTAL: _____ |
| ☐ YES ☒ NO ☐ N/A | Are there any open violations on the property that would not be cured by the current application? ☐ YES ☐ NO ☐ N/A |
| ☒ YES ☐ NO ☐ N/A | Does the application comply with the requirements of the Zoning Ordinance? |
| ☐ YES ☐ NO ☐ N/A | If any waivers of the following requirements are sought, a written request outlining the items to be waived, with a rationale for the waiver, must be submitted. |
| ☒ YES ☐ NO ☐ N/A | Short Environmental Assessment Form submitted. |
| ☐ YES ☐ NO ☒ N/A | Full Environmental Assessment Form submitted. |
| ☐ YES ☐ NO ☐ N/A | Type 2 Action not requiring SEQR |
| ☒ YES ☐ NO ☐ N/A | Name and address of owner of record appears on plan. |
| ☒ YES ☐ NO ☐ N/A | Name and address of person, firm or organization preparing the plan. |
| ☒ YES ☐ NO ☐ N/A | Date (including any revision dates), north arrow, written and graphic scale. Site plan must be prepared at a scale no greater than one (1) inch equals thirty (30) feet. |
| ☒ YES ☐ NO ☐ N/A | Vicinity map (i.e., Sanborn, tax map). |
| ☒ YES ☐ NO ☐ N/A | Existing zoning for parcel and adjacent parcels. |
| ☒ YES ☐ NO ☐ N/A | Professional signature and seal on plan, as required by law. |
| ☒ YES ☐ NO ☐ N/A | Names of owners of adjoining properties, as shown on the latest tax records. |
| ☐ YES ☐ NO ☐ N/A | A statement indicating the financial capability of the applicant to complete the proposed development. Unless more is requested by the Planning Board, a simple statement will suffice. |

SITE PLAN CHECK SHEET PAGE 2
ADDRESS: _____

## II) EXISTING SITE CONDITIONS

| Compliance Certified | Item Description |
|---|---|
| X YES ☐ NO ☐ N/A | Site plan is prepared under the direction of a licensed surveyor or licensed professional engineer or references a properly prepared survey with surveyor name, license number and survey date indicated. If a city digital map is utilized, field verification of all features and elevations must be certified by a licensee surveyor or licensed professional engineer. |
| ☐ YES ☐ NO X N/A NONE | Location, width and purpose of all existing easements, rights-of-way, setbacks, reservations and rears dedicated to public use, outline of existing covenants and deed restrictions within, adjacent or otherwise pertaining to the property. If none, so note. |
| ☐ YES ☐ NO X N/A NONE | Indication of direction of scenic views. If none, so note. |
| ☐ YES ☐ NO ☐ N/A | Plan view must show all existing features extending a minimum of twenty-five (25) feet past property boundary lines. Such features include all of the following: |
| ☐ YES ☐ NO X N/A RELATIVELY FLAT | Existing contours with intervals of five (5) feet or less, referred to a datum satisfactory to the Planning Board. If parcel is relatively flat, contours MAY be waived if spot elevations are shown indicating the general slope of the terrain; |
| X YES ☐ NO ☐ N/A | Paved areas, walkways, parking areas, vehicular access to public streets, internal drives (detailed as required by material type: i.e., asphalt, concrete, stone, etc); existing landscaping, screening and fences (detailed), snow storage. |
| X YES ☐ NO ☐ N/A | Outlines and descriptions of all structures (including those on adjacent parcels within 25 feet); |
| X YES ☐ NO ☐ N/A | All watercourses, marshes, wooded areas, rock outcrops, isolated trees with a diameter of eight (8) inches or more measured three (3) feet above the base of the trunk, curbs, sidewalks, adjacent streets with names and widths, and any other significant features. If none, so note. |
| ☐ YES ☐ NO ☐ N/A | Show locations of ALL existing utilities, underground and aboveground, within and adjacent to property and in the street, including, but not limited to: sanitary, storm, water, gas and electric, and any utility poles, including light poles, sprinkler systems connections, grease traps and similar systems, and fire hydrants. Show all existing connections. |
| ☐ YES ☐ NO X N/A NONE | Approximate boundaries of any areas subject to storm water overflows (reference FEMA 100 year floodplain panel or study). If none, so note. |

SITE PLAN CHECK SHEET PAGE 3
ADDRESS: _____

## III) PROPOSED SITE IMPROVEMENTS

| Compliance Certified | Item Description |
|---|---|
| X YES ☐ NO ☐ N/A | The location of all proposed buildings or structural improvements. |
| X YES ☐ NO ☐ N/A | Detailed elevations of all principal and accessory structures, whether existing or proposed. Cardinal directions provided, all colors, materials and any alterations for existing structures noted. |
| ☐ YES ☐ NO ☐ N/A | Show locations, sizes and materials of all new/proposed utilities and service connections, as well as existing, including storm and sanitary sewer connections, grease traps and similar systems. Connections for any required fire protection systems should be noted. Location of fire hydrants. Location of any monitored fire alarm systems. Location of Knox boxes. |
| X YES ☐ NO ☐ N/A | The location and design of all uses not requiring structures, such as off-street parking and loading areas, walkways, other paved areas and any open space for tenant recreational purposes for residential development. Profiles indication grading and cross sections showing location and width or roadways and walkways. Show any proposed direct pedestrian connection to public parking lots or structures. Indicate access and turn radius information for fire trucks (available from Planning Department and Fire Department) and low profile "rolled" curbing, location of snow storage. |
| X YES ☐ NO ☐ N/A | Proposed screening and landscaping, with a planting plan and fence details, in keeping with Section 19-6.5 of the Zoning Ordinance. |
| ☐ YES ☐ NO ☐ N/A | Location, direction, power and time of use of any proposed outdoor lighting or public address systems. Provide an Isometric Footcandle Distribution Diagram, maximum illuminance levels shown in footcandle measurements on a grid of the site showing readings in every ten-foot square, overlaid on the site plan, as a separate sheet or view. One-half (1/2) foot candle is recommended. All lights to be shielded to prevent glare on adjoining properties, including public property. |
| ☐ YES X NO X N/A<br>SITE NO REGRADING PROPOSED | Any proposed new grades, indicating clearly how such grades will met existing grades of adjacent properties or the street. If none, so note. |
| ☐ YES ☐ NO X N/A<br>NONE | An outline of any proposed easements, deed restrictions, covenants or rights-of-way and a notation of any areas to be dedicated to a public agency, and any public improvements contemplated on or adjoining the property. If none, so note. |
| ☐ YES ☐ NO ☐ N/A | A determination of storm water quality requirements based on NYDES Phase II requirements. Further, ANY improvements within the Fallkill Creek watershed, which has been declared a 303(D) impaired watershed, require full stormwater treatment as per NYSDEC. |

SITE PLAN CHECK SHEET PAGE 4
ADDRESS: _____

## IV) OTHER REQUIRED PLAN NOTES

| Compliance Certified | Item Description |
|---|---|
| ☐ YES ☐ NO ☐ N/A | Show plans for all proposed stormwater improvements. Applicant shall mitigate storm to historic run-off rates for the 10-year storm. |
| ☐ YES ☒ NO ☒ N/A NO TREES ON THE SITE | The following note concerning the protection of trees must be shown on all site plans where existing trees are proposed to be retained: "Prior to start of construction or excavation, trees to be retained shall be protected by silt fence, snow fence, construction fence, or equal, placed at the drip line or several feet beyond. However, no fence shall cross public sidewalks and no storage or stockpiling of construction materials, debris or equipment shall occur within the fenced area."<br><br>Field modification of the fence position may be granted by the Building Inspector/Zoning Administrator, Deputy Building Inspector or Deputy Zoning Administrator. |

## V) REQUIRED REFERRALS TO OTHER AGENCIES OR BOARDS

| | |
|---|---|
| ☐ YES ☐ NO ☐ N/A | Building Inspector, City Engineer, Fire Department, Police Department, Superintendent of Public Works |
| ☐ YES ☐ NO ☐ N/A | Dutchess County Planning Department |
| ☐ YES ☐ NO ☐ N/A | Zoning Board of Appeals |
| ☐ YES ☐ NO ☐ N/A | Historic District and Landmark Preservation Commission |
| ☐ YES ☐ NO ☐ N/A | Waterfront Advisory Committee |
| ☐ YES ☐ NO ☐ N/A | Shade Tree Commission |

OTHER AGENCIES: _____

_____

_____

**ADDITIONAL COMMENTS**

_____

_____

_____

_____

_____ _____

Judith Knauss, Deputy Zoning Administrator — Date
Joseph O'Brien, Deputy Zoning Administrator