

Town of Manlius

Planning Board Agenda

May 9, 2022

6:30PM

1. Zoom Meeting Instructions

Documents:

[ZOOM PLANNING BOARD MEETING INSTRUCTIONS MAY 9, 2022.PDF](#)

2. Pledge Of Allegiance

3. Approval Of Minutes April 25, 2022

4. Danielle & Ryan Ewert - 8291 East Seneca Turnpike, Manlius NY 13104 - Zone Change Recommendation To Town Board - R1 To RA - Same Address - Tax Map # 099.-01-27.4

Documents:

[8291 EAST SENECA TURNPIKE - PLANNING BOARD APPLICATION.PDF](#)  
[8291 EAST SENECA TURNPIKE - SPECIAL USE PERMIT APPLICATION.PDF](#)  
[8291 EAST SENECA TURNPIKE - ZONE CHANGE APPLICATION.PDF](#)  
[8291 EAST SENECA TURNPIKE - MAP.PDF](#)  
[8291 EAST SENECA TURNPIKE - BUILDING PLANS.PDF](#)

5. Robert Caron Homes - 7990 Blarney Stone Way, Manlius, NY 13104 - Discussion - Subdivision Final Approval - Hunters Ridge/Pauli Drive - Tax Map #'s 111.-08-17.1 And 111.-02-09.5

Documents:

[UPDATED - HUNTERS RIDGE - SITE PLAN SET.PDF](#)  
[UPDATED - HUNTERS RIDGE - SWPPP.PDF](#)  
[HUNTERS RIDGE - SWPPP.PDF](#)  
[HUNTERS RIDGE - TRAFFIC STUDY.PDF](#)  
[HUNTERS RIDGE - SITE PLANS.PDF](#)  
[HUNTERS RIDGE - PLANNING BOARD APPLICATION.PDF](#)  
[HUNTERS RIDGE - MAP.PDF](#)

6. Other Business

7. Adjournment



May 9, 2022

## Virtual Planning Board Meeting

Instructions to attend the May 9, 2022 virtual Planning Board meeting:

The easiest way to join is to go to our website [www.TownOfManlius.org](http://www.TownOfManlius.org) and click on the link that is located on the homepage. You can also watch on our Facebook page by searching for "Town of Manlius"

Enter the meeting url web address as listed below:

<https://us02web.zoom.us/j/85853587137?>

Password to join when prompted:

Password: 828189

Enter your email address and name and join the meeting!

Join by telephone by dialing the number below:

1-(929) -436-2866

When prompted to enter the Webinar ID, use the number below followed by #

Webinar ID: 858 5358 7137

Press # again to skip the personal id and enter the password below followed by #

Password: 828189



Expected

Fee: \_\_\_\_\_

PLANNING DEPARTMENT

INITIAL APPEARANCE APPLICATION

DATE: 3/12/2022

Name of Project: "Pawson's Doggy Daycare"

**Applicant must submit 12 copies of all site plans, surveys, and supporting data with the final application before a planning board meeting can be scheduled.**

Location of Project: 8291 East Seneca Turnpike Manlius, NY 13104

Type of Project:

☐ Division of Land ☐ Subdivision ☐ Accessory Use ☒ Zone Change ☐ Site Review ☐ Other \_\_\_\_\_

Developer: \_\_\_\_\_

Phone: \_\_\_\_\_

Address: \_\_\_\_\_

Zip: \_\_\_\_\_

Tax Map Number(s): Map # 8701 lot 5 Tynswood

Present Zoning: R1

Desired Zoning: RA

Total Acreage: 7.342 Acres

Total Number of Lots: 1

Property Owner/s: Danielle and Ryan Ewert

Phone: 315-263-5154

Address: 8291 East Seneca Turnpike Manlius, NY

Zip: 13104

Tax Map#(s): 8701

Owner's Signature: Danielle Ewert

Printed Name: Danielle Ewert

Property Owner/s: \_\_\_\_\_

Phone: \_\_\_\_\_

Address: \_\_\_\_\_

Zip: \_\_\_\_\_

Tax Map#(s): \_\_\_\_\_

Owner's Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

**Use next page for additional known property owners' information**

Planning Board Meeting Date Assignment: \_\_\_\_\_

Fee: \_\_\_\_\_

Paid: \_\_\_\_\_

Per: ☐ Credit/Debit Card ☐ Check ☐ Cash

Planning Board Initial: \_\_\_\_\_



# Appendix B Short Environmental Assessment Form

## 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.

|                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                                                                       |                           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------|---------------------------|
| <b>Part 1 - Project and Sponsor Information</b>                                                                                                                                                                                                                                                                                                                                                                                        |  |                                                                       |                           |
| Name of Action or Project:<br><u>Build pole barn / structure for upscale doggy daycare</u>                                                                                                                                                                                                                                                                                                                                             |  |                                                                       |                           |
| Project Location (describe, and attach a location map): <u>Map # 8701</u><br><u>on 8291 E. Seneca turnpike Manlius, NY 13104</u>                                                                                                                                                                                                                                                                                                       |  |                                                                       |                           |
| Brief Description of Proposed Action:<br><u>To have a pole barn built approximately 40x50 to create a clean, safe, fun, upscale doggy daycare for people to bring their fur babies while at work or busy. To play + interact with dogs to enrich their lives and their owners.</u>                                                                                                                                                     |  |                                                                       |                           |
| Name of Applicant or Sponsor:<br><u>Danielle and Ryan Ewert</u>                                                                                                                                                                                                                                                                                                                                                                        |  | Telephone: <u>315-263-5154</u><br>E-Mail: <u>ewert13104@yahoo.com</u> |                           |
| Address:<br><u>8291 E. Seneca turnpike</u>                                                                                                                                                                                                                                                                                                                                                                                             |  |                                                                       |                           |
| City/PO:<br><u>Manlius</u>                                                                                                                                                                                                                                                                                                                                                                                                             |  | State:<br><u>NY</u>                                                   | Zip Code:<br><u>13104</u> |
| 1. Does the proposed action only involve the legislative adoption of a plan, local law, ordinance, administrative rule, or regulation?                                                                                                                                                                                                                                                                                                 |  | NO                                                                    | YES                       |
| 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.                                                                                                                                                                                                                             |  | <input checked="" type="checkbox"/>                                   | <input type="checkbox"/>  |
| 2. Does the proposed action require a permit, approval or funding from any other governmental Agency?                                                                                                                                                                                                                                                                                                                                  |  | NO                                                                    | YES                       |
| If Yes, list agency(s) name and permit or approval:                                                                                                                                                                                                                                                                                                                                                                                    |  | <input checked="" type="checkbox"/>                                   | <input type="checkbox"/>  |
| 3.a. Total acreage of the site of the proposed action?                                                                                                                                                                                                                                                                                                                                                                                 |  | <u>2</u> acres                                                        |                           |
| b. Total acreage to be physically disturbed?                                                                                                                                                                                                                                                                                                                                                                                           |  | <u>2</u> acres                                                        |                           |
| c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor?                                                                                                                                                                                                                                                                                                                 |  | <u>We own 7.34 acres</u>                                              |                           |
| 4. Check all land uses that occur on, adjoining and near the proposed action.                                                                                                                                                                                                                                                                                                                                                          |  |                                                                       |                           |
| <input type="checkbox"/> Urban <input checked="" type="checkbox"/> Rural (non-agriculture) <input type="checkbox"/> Industrial <input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Residential (suburban)<br><input type="checkbox"/> Forest <input checked="" type="checkbox"/> Agriculture <input type="checkbox"/> Aquatic <input type="checkbox"/> Other (specify): _____<br><input type="checkbox"/> Parkland |  |                                                                       |                           |



|                                                                                                                                                                                                                                                                                                |  |                                     |                                     |                                     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------|-------------------------------------|-------------------------------------|
| 5. Is the proposed action,                                                                                                                                                                                                                                                                     |  | NO                                  | YES                                 | N/A                                 |
| a. A permitted use under the zoning regulations?                                                                                                                                                                                                                                               |  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| b. Consistent with the adopted comprehensive plan?                                                                                                                                                                                                                                             |  | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 6. Is the proposed action consistent with the predominant character of the existing built or natural landscape?                                                                                                                                                                                |  |                                     | NO                                  | YES                                 |
|                                                                                                                                                                                                                                                                                                |  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                                     |
| 7. Is the site of the proposed action located in, or does it adjoin, a state listed Critical Environmental Area?                                                                                                                                                                               |  |                                     | NO                                  | YES                                 |
| If Yes, identify: _____                                                                                                                                                                                                                                                                        |  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                                     |
| 8. a. Will the proposed action result in a substantial increase in traffic above present levels?                                                                                                                                                                                               |  |                                     | NO                                  | YES                                 |
|                                                                                                                                                                                                                                                                                                |  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                                     |
| b. Are public transportation service(s) available at or near the site of the proposed action?                                                                                                                                                                                                  |  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                                     |
| c. Are any pedestrian accommodations or bicycle routes available on or near site of the proposed action?                                                                                                                                                                                       |  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                                     |
| 9. Does the proposed action meet or exceed the state energy code requirements?                                                                                                                                                                                                                 |  |                                     | NO                                  | YES                                 |
| If the proposed action will exceed requirements, describe design features and technologies: _____                                                                                                                                                                                              |  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                                     |
| 10. Will the proposed action connect to an existing public/private water supply?                                                                                                                                                                                                               |  |                                     | NO                                  | YES                                 |
| If No, describe method for providing potable water: <u>Not sure yet if we are able to connect to our home or if we will need another line ran</u>                                                                                                                                              |  | <input type="checkbox"/>            | <input type="checkbox"/>            |                                     |
| 11. Will the proposed action connect to existing wastewater utilities?                                                                                                                                                                                                                         |  |                                     | NO                                  | YES                                 |
| If No, describe method for providing wastewater treatment: _____                                                                                                                                                                                                                               |  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                                     |
| 12. a. Does the site contain a structure that is listed on either the State or National Register of Historic Places?                                                                                                                                                                           |  |                                     | NO                                  | YES                                 |
|                                                                                                                                                                                                                                                                                                |  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                                     |
| b. Is the proposed action located in an archeological sensitive area?                                                                                                                                                                                                                          |  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                                     |
| 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?                                                                                                       |  |                                     | NO                                  | YES                                 |
|                                                                                                                                                                                                                                                                                                |  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                                     |
| b. Would the proposed action physically alter, or encroach into, any existing wetland or waterbody?                                                                                                                                                                                            |  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                                     |
| 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:                                                                                                                                                                     |  |                                     |                                     |                                     |
| <input checked="" type="checkbox"/> Shoreline <input type="checkbox"/> Forest <input type="checkbox"/> Agricultural/grasslands <input type="checkbox"/> Early mid-successional<br><input checked="" type="checkbox"/> Wetland <input type="checkbox"/> Urban <input type="checkbox"/> Suburban |  |                                     |                                     |                                     |
| 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?                                                                                                                         |  |                                     | NO                                  | YES                                 |
|                                                                                                                                                                                                                                                                                                |  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                                     |
| 16. Is the project site located in the 100 year flood plain?                                                                                                                                                                                                                                   |  |                                     | NO                                  | YES                                 |
|                                                                                                                                                                                                                                                                                                |  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                                     |
| 17. Will the proposed action create storm water discharge, either from point or non-point sources?                                                                                                                                                                                             |  |                                     | NO                                  | YES                                 |
| If Yes,                                                                                                                                                                                                                                                                                        |  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                                     |
| a. Will storm water discharges flow to adjacent properties?                                                                                                                                                                                                                                    |  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                                     |
| b. Will storm water discharges be directed to established conveyance systems (runoff and storm drains)?                                                                                                                                                                                        |  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                                     |
| If Yes, briefly describe: _____                                                                                                                                                                                                                                                                |  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                                     |



|                                                                                                                                                                                                                     |                                           |                                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|---------------------------------|
| 18. Does the proposed action include construction or other activities that result in the impoundment of water or other liquids (e.g. retention pond, waste lagoon, dam)?<br>If Yes, explain purpose and size: _____ | NO<br><input checked="" type="checkbox"/> | YES<br><input type="checkbox"/> |
| 19. Has the site of the proposed action or an adjoining property been the location of an active or closed solid waste management facility?<br>If Yes, describe: _____                                               | NO<br><input checked="" type="checkbox"/> | YES<br><input type="checkbox"/> |
| 20. Has the site of the proposed action or an adjoining property been the subject of remediation (ongoing or completed) for hazardous waste?<br>If Yes, describe: _____                                             | NO<br><input checked="" type="checkbox"/> | YES<br><input type="checkbox"/> |

**I AFFIRM THAT THE INFORMATION PROVIDED ABOVE IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE**

Applicant/sponsor name: Danielle and Ryan Ewert Date: 3/12/2000

Signature: Danielle Ewert and Ryan Ewert

**STOP**

**Part 2 - Impact Assessment.** The Lead Agency is responsible for the completion of Part 2. Answer all of the following questions in Part 2 using the information contained in Part 1 and other materials submitted by the project sponsor or otherwise available to the reviewer. When answering the questions the reviewer should be guided by the concept "Have my responses been reasonable considering the scale and context of the proposed action?"

|                                                                                                                                                                            | No, or small impact may occur | Moderate to large impact may occur |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|------------------------------------|
| 1. Will the proposed action create a material conflict with an adopted land use plan or zoning regulations?                                                                | <input type="checkbox"/>      | <input type="checkbox"/>           |
| 2. Will the proposed action result in a change in the use or intensity of use of land?                                                                                     | <input type="checkbox"/>      | <input type="checkbox"/>           |
| 3. Will the proposed action impair the character or quality of the existing community?                                                                                     | <input type="checkbox"/>      | <input type="checkbox"/>           |
| 4. Will the proposed action have an impact on the environmental characteristics that caused the establishment of a Critical Environmental Area (CEA)?                      | <input type="checkbox"/>      | <input type="checkbox"/>           |
| 5. Will the proposed action result in an adverse change in the existing level of traffic or affect existing infrastructure for mass transit, biking or walkway?            | <input type="checkbox"/>      | <input type="checkbox"/>           |
| 6. Will the proposed action cause an increase in the use of energy and it fails to incorporate reasonably available energy conservation or renewable energy opportunities? | <input type="checkbox"/>      | <input type="checkbox"/>           |
| 7. Will the proposed action impact existing:<br>a. public / private water supplies?                                                                                        | <input type="checkbox"/>      | <input type="checkbox"/>           |
| b. public / private wastewater treatment utilities?                                                                                                                        | <input type="checkbox"/>      | <input type="checkbox"/>           |
| 8. Will the proposed action impair the character or quality of important historic, archaeological, architectural or aesthetic resources?                                   | <input type="checkbox"/>      | <input type="checkbox"/>           |
| 9. Will the proposed action result in an adverse change to natural resources (e.g., wetlands, waterbodies, groundwater, air quality, flora and fauna)?                     | <input type="checkbox"/>      | <input type="checkbox"/>           |



|                                                                                                                 | No, or<br>small<br>impact<br>may<br>occur | Moderate<br>to large<br>impact<br>may<br>occur |
|-----------------------------------------------------------------------------------------------------------------|-------------------------------------------|------------------------------------------------|
| 10. Will the proposed action result in an increase in the potential for erosion, flooding or drainage problems? | <input type="checkbox"/>                  | <input type="checkbox"/>                       |
| 11. Will the proposed action create a hazard to environmental resources or human health?                        | <input type="checkbox"/>                  | <input type="checkbox"/>                       |

**Part 3 - Determination of significance. The Lead Agency is responsible for the completion of Part 3. For every question in Part 2 that was answered "moderate to large impact may occur", or if there is a need to explain why a particular element of the proposed action may or will not result in a significant adverse environmental impact, please complete Part 3. Part 3 should, in sufficient detail, identify the impact, including any measures or design elements that have been included by the project sponsor to avoid or reduce impacts. Part 3 should also explain how the lead agency determined that the impact may or will not be significant. Each potential impact should be assessed considering its setting, probability of occurring, duration, irreversibility, geographic scope and magnitude. Also consider the potential for short-term, long-term and cumulative impacts.**

- ☐ Check this box if you have determined, based on the information and analysis above, and any supporting documentation, that the proposed action may result in one or more potentially large or significant adverse impacts and an environmental impact statement is required.
- ☐ Check this box if you have determined, based on the information and analysis above, and any supporting documentation, that the proposed action will not result in any significant adverse environmental impacts.

Name of Lead Agency

Date

Print or Type Name of Responsible Officer in Lead Agency

Title of Responsible Officer

Signature of Responsible Officer in Lead Agency

Signature of Preparer (if different from Responsible Officer)



**TOWN OF MANLIUS  
SPECIAL PERMIT APPLICATION  
(Original or Renewal)**

DATE: 3/11/2022

Tax Map # 8701 (Lot 5 Tyneswood)

I Danielle and Ryan Ewert as applicant relative to property located at 8291 East Seneca turnpike Manlius, NY 1304 hereby request/apply for issuance/renewal (CIRCLE ONE) of a **SPECIAL PERMIT** from the Town of Manlius Town Board as required by the Town of Manlius Code, submit the following application and documentary evidence and/or information, including comprising the Exhibits in support of this request and certify that it is correct, true and accurate to the best of my/our knowledge and after reasonable due diligence and investigation. I further knowledge and agree that should any such evidence or information be later determined as false or not credible in any material respect, any special permit issued/renewed based thereon may be determined by the Town Board as void from the start or revocable.

Danielle Ewert Ryan Ewert  
Applicant's Signature

A 1. Owner(s) of property: Danielle and Ryan Ewert

A 2. Status (Owner, Lessee) of each applicant: OWNER, OWNER

A 3. Present Zoning of Property: R1 changing to RA

A.4. Present Use of Property (describe in detail as best as reasonably possible- add additional pages as needed): Our home

A5 Describe property condition at present: Excellent condition . 7.34 acres

B 1. Proposed use of property: To add a pole barn about 400 yards from home for a potential doggy daycare. (currently have 7.34 acres)

B 2. Anticipated number of employees, guests, customers on property:

only family employees maybe 1 to 2 at most.  
Customers limited to drop off + pick up of dogs/pups allowed.

B 3. Hours of Proposed Operation: 7am - 6pm



B 4. Anticipated Automobile Parking: We will provide a small area for up to 10 cars and a pick up + drop off area (omin)

B 5. Parking Area Buffer/Screening: We will have parking lot buffers

B 6. Anticipated Vehicle Traffic Volume/Flow: We are back about 200 ft off the road so we do not anticipate any traffic change.

B 7. Proposed Site Lighting: Electrical ran

B 8. Anticipated noise sources, known decibel levels: This will be an indoor + outdoor dog daycare. Dogs will not be left out to bark. We do not anticipate any noise source except an occasional bar

B 9. Landscape:

a) Existing landscaping: Natural grass + trees

b) Proposed landscaping: small landscape bed in front and walkway.

B 10. Proposed Signage: A sign on building and small sized sign at road maybe 3x5, 4x6, 5x6

B 11. Level of municipal and other services required to support the proposed activity (i.e., water supply sanitary sewage facilities) Septic tank installed, public water

B 12. Specific Requirements:

Town Code (District) Requirement: Proposal:

Parking Spaces

Lot Coverage

Front Yard Setback

Side Yard Setback

Rear Yard Setback

Maximum Height of Building

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# TOWN OF MANLIUS

## SPECIAL PERMIT APPLICATION - EXHIBIT "G"

### PROFESSIONAL FEES REIMBURSEMENT AGREEMENT

As a condition of the application(s) to the Town of Manlius, its Zoning Board of Appeals, Planning Board, codes administration/planning office, and/or Town Board (the "Town") for various zoning, land use, construction and related reviews, approvals, certificates, permits and related consideration(s) (including for any local governmental assisted funding) related to the request of Danielle and Ryan Ewert (the "Application"),

[name], [legal address] ("Applicant") relative to proposed development at 8291 East Seneca Trk Manlius, NY 13104 [project address], Tax Parcel # lot 5 Tyneswood, Manlius, New York, and related matters (the "Project") agrees as follows:

The Application and Project may or will likely entail that the Town incur legal, engineering, architectural, administrative and related expense(s) including, without limitation, for both on staff and third party consultants involved in the consideration of the Application and Project, and including, without limitation, attendance at Zoning Board of Appeals, Planning Board, and Town Board meetings, consultation with the Applicant, its or the Town's engineer, architect, attorney, and/or other Town officers and employees, or consultants or professional service providers, incidental to the Application from the earlier of the filing of the Application for and/or first presentation of the Project to Town, and through final completion and issuance of all Town and other governmental permits, certifications and approvals.

In connection with and consideration of the foregoing, Applicant agrees to bear all cost and expense for such administrative, legal, engineering, architect and other professional and consulting assistance to the Town incidental to the Application and Project, and including that expense incurred by the Town for Town employees and officers performing reasonable and necessary work on behalf of the Town incident to the Application or Project.

In connection with the foregoing, Applicant shall reimburse the Town for time spent by outside consultants and professionals at the usual rate charged by them to private clientele, or if none, then the usual rate charged to municipalities. Reimbursement for the cost of Town employees and officers shall be based upon the cost to Town for the services of such persons, including salary and fringe benefits, reduced to an hourly rate and including overtime where directly attributable to the Application or Project.

Should the Town determine, in its sole discretion, that additional services are required to represent, supervise, inspect, evaluate and/or consult, including in order to protect the rights and/or interests of the Town such as relative to an enforcement or violation proceeding, the Applicant shall likewise bear all costs associated with such services.

This Agreement shall be effective as of \_\_\_\_\_, 20\_\_\_. The Applicant shall deposit an initial sum of \$ \_\_\_\_\_, and such other amounts as from time to time the Town may determine, payable to and deposited with the Town and which sum or sums shall be applied against those sums reimbursable to the Town pursuant to the terms of this Agreement (the "Deposit"). Upon completion or discontinuance of the Application and Project and payment of all fees incurred, any unused Deposit shall be returned to the Applicant.

The Applicant shall receive periodically, one or more statements detailing charges for which reimbursement has been made against the Deposit, detailing unpaid amounts, if any, and setting forth any additional Deposit required by the Town. Failure to pay any amounts due the Town of Manlius within twenty (20) days of the date of statement may result in the termination of work/services by Town relative to the Application, the non-issuance suspension or revocation of any certificates, permits or approvals, and/or denial of applications, the Town's commencement of collection efforts, and/or the exercise of any other rights or remedies available to Town hereunder or pursuant to applicable law, including under the Town Code. No certificates, approvals or permits, including, without limitation, Certificates of Occupancy/Compliance, may be issued until all fees due hereunder are paid or sufficient Deposit for same made.

Notwithstanding any provision hereof to the contrary or otherwise, the intent of this Agreement is to subject all of those subject matter areas under applicable provisions of Federal, State, and County laws, rules and regulations whatsoever, the Town Code including as any of same may be amended from time to time, and without limitation, those provisions under Chapters 59, 63, 72, 83, 95, 96, 104, 119, 123, 125, 126, 127, 131, 147, and 155 of the Town Code to the provisions hereof; in addition any financing or funding applications incidental to the Application or Project and requiring sponsorship or support of Town, and review under the State Environmental Quality Review Act or other State or Federal environmental, historical or related laws, rules or regulations shall likewise be subject to the provisions hereof.



In addition, and notwithstanding any provisions hereof to the contrary or otherwise, any provisions of the Town Code or other laws, rules or regulations providing rights more favorable to and protective of Town shall be deemed incorporated herein by reference, and shall not be deemed superseded by less protective provisions herein.

In the event of a breach or default by Applicant, Town shall be entitled to pursue any and all legal rights and remedies pursuant to applicable law including, without limitation, the Town Code and shall be entitled to recover, in addition to any sums due, reasonable attorney's fees, costs and disbursements incurred in any such efforts.

If any part of this Agreement or the application thereof to any person or entity or circumstance is adjudged invalid, illegal or unconstitutional by any court of competent jurisdiction, such order or judgment shall be confined in its operation to the part of this law or in its application directly involved in the controversy in which such judgment shall have been rendered and shall not affect or impair the validity of the remainder of this Agreement or the application thereof to other persons, entities or circumstances. Further, in adjudging such invalid, illegal or unconstitutional provision or part thereof, the court shall attempt to modify same to a provision or part which is not illegal, invalid or unconstitutional and which best achieves the intent of such illegal, invalid or unconstitutional provision or part thereof.

The Town Supervisor has executed this agreement pursuant to a blanket Resolution adopted by the Town Board at a meeting thereof held on \_\_\_\_\_, 20\_\_\_\_, and is duly authorized and empowered to execute this instrument and enter into this Agreement on behalf of the Town of Manlius.

In the event Applicant is a closely held corporation, partnership or limited liability company, its three (3) largest principals shall be signatories to this Agreement, as joint and severable parties with Applicant and Town.

This instrument shall be executed in triplicate. At least one original shall be permanently filed, after execution thereof, in the office of the Town Clerk and one in the Code Enforcement Office.

Dated: 3/12/2000 Danielle Ewert Danielle Ewert  
Print Applicant Name Applicant's Authorized Signature/Title

Applicant Address: 8291 East Seneca turnpike  
Manlius, NY 13104

Danielle Ewert Danielle Ewert  
Print Applicant (Principal) Name Applicant's Principal Signature

Ryan Ewert Ryan Ewert  
Print Applicant (Principal) Name Applicant's Principal Signature

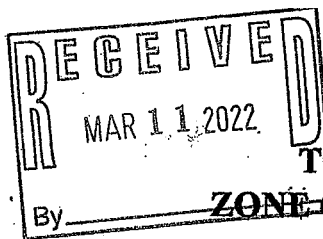
\_\_\_\_\_  
Print Applicant (Principal) Name Applicant's Principal Signature

TOWN OF MANLIUS

By: \_\_\_\_\_

Name: \_\_\_\_\_

Title: \_\_\_\_\_



\$300

TOWN OF MANLIUS  
ZONE CHANGE APPLICATION

1. Name of Person applying for Zone Change Danielle and Ryan Ewert  
Address of person applying 8291 East Seneca tpk Manlius, NY 13104  
Cell Number 315-263-5154 Danielle Phone Number 315-263-2530 (Ryan cell)
2. Name: (owner of record) of land where Zone Change would occur Danielle and Ryan Ewert  
Address (owner of record) 8291 East Seneca turnpike Manlius, NY 13104  
Cell Number (owner of record) 315-263-5154 Phone Number \_\_\_\_\_
3. Tax Map Number of property where Zone Change would occur No 8701 (lot 5, Turnswood)
4. Is this property located in a flood hazard area? No > 099 - 01-27.4  
If so, what flood area is the property in it?  
\_\_\_\_\_
5. Present zoning classification of property R 1
6. Desired zoning classification RA  
Reason for Change of Zone (use additional sheets if necessary) Trying to be approved to have a structure professionally built by a company to have an upscale dog daycare + boarding (short term).
7. What is lot size? 7.342 acres
8. If the Zone Change is granted, will the use of the property conform to the District regulations as stated in Chapter 155 Article III of the Town of Manlius Municipal Code? I believe so
9. Is the property within the protectively zoned area of a housing project authorized under the public housing law? No
10. Is the property within five hundred (500) feet of the boundaries of any city, village, town, county, state park or parkway? No  
If yes, please specify \_\_\_\_\_
11. Is the property within five hundred (500) feet from the boundary of any existing or proposed County or State park or other recreation area, or from the right-of-way of any existing or proposed county or state parkway, thruway, expressway, road or highway, or from the existing or proposed right-of-way of any stream or drainage channel owned by the county or for which the county has established channel lines, or from the existing or proposed boundary of any county or state owned land on which a public building or institution is situated? No



If yes, please specify \_\_\_\_\_

12. List the uses of all abutting property We have residential with apartments being rented on one side and a commercial vet to the left (other side of us) Behind us ~~we~~ there is 42 acres of horse trails.

13. The following must be included with your 12 application packets unless otherwise specified and/or specifically waived by the Town Board:

- An environmental assessment form which can be obtained from the Town Clerk, or an environmental impact statement.
- Copy of a survey of the premises certified by a New York State licensed surveyor.
- Legal description of the premises.
- This application must be signed by both the owner of record of the property and the applicant.

The failure to answer any question on this application, the failure to submit any item as specified or the failure to execute this application will result in a delay in the processing of the application.

Date 3/9/2022

Danielle Ewert  
Applicant 1

Date 3/9/2022

Ryan Ewert  
Applicant 2

Date \_\_\_\_\_

\_\_\_\_\_  
Applicant

## TOWN OF MANLIUS

### DISCLOSURE AFFIDAVIT

This affidavit is a part of and must be completed and attached to every application, petition, request submitted for a *site plan, variance, amendment, change of zoning, approval of a plat, exemption from a plat or official map, license or permit.*

STATE OF NEW YORK     )  
                                  ) SS:  
COUNTY OF ONONDAGA    )

I. Danielle Ewert, being duly sworn, deposes and says that (s)he is:

Application

(applicant, petitioner, corporation officer, property owner, etc.)

II. That deponent has read and is familiar with the provisions of the General Municipal Law, Section 809 which states:

- A. Every application, petition or request submitted for a site plan, variance, amendment, change of zoning, approval of a plat, exemption from a plat or official map, license or permit, pursuant to the provisions or any ordinance, local law, rule or regulation constituting the zoning and planning regulations of a municipality shall state the name, residence and the nature and extent of the interest of any state officer or any officer or employee of such municipality is a part, in the person, partnership or association making such application, petition or request (hereinafter called the applicant) to the extent known to such applicant.
- B. For the purpose of this action an officer or employee shall be deemed to have an interest in the applicant when (s)he, his/her spouse, or their brothers, sisters, parents, children, grandchildren, or the spouse of any of them:
  - 1) is the applicant, or
  - 2) is an officer, director, partner or employee of the applicant, or
  - 3) legally or beneficially owns or controls stock of a corporate applicant or is a member of a partnership or association applicant, or
  - 4) is a party to an agreement with such an applicant, express or implied, whereby (s) he may receive any payment or other benefit, whether or not for services rendered, or contingent upon the favorable approval of such application, petition or request.
- C. Ownership of less than five percent (5%) of the stock of a corporation whose stock is listed on the New York or American Stock Exchanges shall not constitute an interest for the purposes of this section.
- D. A person who knowingly and intentionally violates this section shall be guilty of a misdemeanor.



III. That no Town of Manlius officer, employee or a relative of either, as defined in Section 809 General Municipal Law has any interest in this application.

-OR-

If a Town of Manlius officer, employee or relative of either as defined in Section 809 General Municipal law has any interest in this application, the full particulars are provided on an attached sheet.

Date: 03/10, 2022.

Danielle Ewert  
(Print Name)

Danielle Ewert  
(Signature)

\_\_\_\_\_  
(Entity Name)

\_\_\_\_\_  
By (Officer) (Title)

\_\_\_\_\_  
(Mailing Address of Applicant)

\_\_\_\_\_  
(Telephone Number)

Date: 03/10, 2022.

Ryan Ewert  
(Print Name)

Ryan Ewert  
(Signature)

\_\_\_\_\_  
(Entity Name)

\_\_\_\_\_  
By (Officer) (Title)

\_\_\_\_\_  
(Mailing Address of Applicant)

\_\_\_\_\_  
(Telephone Number)

### ACKNOWLEDGEMENTS

STATE OF NEW YORK )  
 ) SS:  
COUNTY OF ONONDAGA )

On this 10 day of March in the year 2022, before me, the undersigned, a notary public in and for said state, personally appeared Ryan Ewert, and Danielle Ewert 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 Petition and acknowledged to me the he/she/they executed the same in his/her/their capacity, and that by his/her/their signature(s) on the Petition, the individual or the persons upon behalf of which the individual acted executed the instrument.

[Signature]  
Notary Public

LISA M WELCH  
NOTARY PUBLIC STATE OF NEW YORK  
ONONDAGA  
LIC. #01WE6060394  
COMM. EXP. 06/25/2023

617.20  
Appendix C  
State Environmental Quality Review  
**SHORT ENVIRONMENTAL ASSESSMENT FORM**  
**For UNLISTED ACTIONS Only**

**PART I - PROJECT INFORMATION** (TO BE COMPLETED BY APPLICANT OR PROJECT SPONSOR)

|                                                                                                                                                                                                                                                                                                                                                                                                                                          |                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| 1. APPLICANT/SPONSOR:<br><u>Danielle and Ryan Ewert</u>                                                                                                                                                                                                                                                                                                                                                                                  | 2. PROJECT NAME: |
| 3. PROJECT LOCATION:<br><u>8291 East Seneca turnpike Manlius, NY 13104</u><br>MUNICIPALITY _____ COUNTY <u>Onondaga</u>                                                                                                                                                                                                                                                                                                                  |                  |
| 4. PRECISE LOCATION: (Street address and road intersections, prominent landmarks, etc., or provide map)<br><u>8291 East Seneca turnpike Manlius, NY 13104</u>                                                                                                                                                                                                                                                                            |                  |
| 5. PROPOSED ACTION IS: <input checked="" type="checkbox"/> NEW <input type="checkbox"/> EXPANSION <input type="checkbox"/> MODIFICATION/ALTERATION                                                                                                                                                                                                                                                                                       |                  |
| 6. DESCRIBE PROJECT BRIEFLY:<br><u>To have a company build a polebarn, to create an upscale doggy daycare. To be able to provide a clean, safe, fun environment for people to be able to leave their fur babies while at work or busy.</u>                                                                                                                                                                                               |                  |
| 7. AMOUNT OF LAND AFFECTED: Initially <u>1</u> Acres Ultimately _____ Acres                                                                                                                                                                                                                                                                                                                                                              |                  |
| 8. WILL PROPOSED ACTION COMPLY WITH EXISTING ZONING OR OTHER EXISTING LAND USE RESTRICTIONS?<br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br>If no, describe briefly:                                                                                                                                                                                                                                          |                  |
| 9. WHAT IS THE PRESENT LAND USE IN THE VICINITY OF THE PROJECT?<br><input checked="" type="checkbox"/> RESIDENTIAL <input type="checkbox"/> INDUSTRIAL <input checked="" type="checkbox"/> COMMERCIAL <input checked="" type="checkbox"/> AGRICULTURAL <input type="checkbox"/> PARK/FOREST/OPEN SPACE <input type="checkbox"/> OTHER<br>Describe: <u>There is a commercial vet to the left of us + a homeowner renting to the right</u> |                  |
| 10. DOES ACTION INVOLVE A PERMIT APPROVAL, OR FUNDING, NOW OR ULTIMATELY FROM ANY OTHER GOVERNMENTAL AGENCY (FEDERAL, STATE OR LOCAL)?<br><input type="checkbox"/> Yes <input type="checkbox"/> No If yes, list agency(s) name and permit/approvals:                                                                                                                                                                                     |                  |
| 11. DOES ANY ASPECT OF THE ACTION HAVE A CURRENTLY VALID PERMIT OR APPROVAL?<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, list agency(s) name and permit/approvals:                                                                                                                                                                                                                                    |                  |
| 12. AS A RESULT OF PROPOSED ACTION, WILL EXISTING PERMIT/APPROVAL REQUIRE MODIFICATION? <input type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                                                                                                                                                                                                         |                  |
| <b>I CERTIFY THAT THE INFORMATION PROVIDED ABOVE IS TRUE TO THE BEST OF MY KNOWLEDGE</b>                                                                                                                                                                                                                                                                                                                                                 |                  |
| APPLICANT/SPONSOR NAME: <u>Danielle Ewert</u> DATE: <u>3/9/2022</u>                                                                                                                                                                                                                                                                                                                                                                      |                  |
| SIGNATURE: <u>Danielle Ewert</u>                                                                                                                                                                                                                                                                                                                                                                                                         |                  |

IF THE ACTION IS IN A COASTAL AREA, AND YOU ARE A STATE AGENCY, COMPLETE A COASTAL ASSESSMENT FORM BEFORE PROCEEDING WITH THIS ASSESSMENT.



**PART II – ENVIRONMENTAL ASSESSMENT (TO BE COMPLETED BY AGENCY)**

|                                                                                                                                                                                                                                                                                                                                                                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A. DOES ACTION EXCEED ANY TYPE 1 THRESHOLD IN 6 NYCRR, PART 617.4? IF YES, COORDINATE THE REVIEW PROCESS AND USE THE FULL EAF. <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO                                                                                                                                                               |
| B. WILL ACTION RECEIVE COORDINATED REVIEW AS PROVIDED FOR UNLISTED ACTIONS IN 6 NYCRR, PART 617.6? IF NO, A NEGATIVE DECLARATION MAY BE SUPERSEDED BY ANOTHER INVOLVED AGENCY. <input type="checkbox"/> YES <input type="checkbox"/> NO                                                                                                                          |
| C. COULD ACTION RESULT IN ANY ADVERSE EFFECTS ASSOCIATED WITH THE FOLLOWING: (ANSWERS MAY BE HANDWRITTEN, IF LEGIBLE).<br>C1. EXISTING AIR QUALITY, SURFACE OR GROUNDWATER QUALITY OR QUANTITY, NOISE LEVELS, EXISTING TRAFFIC PATTERNS, SOLID WASTE PRODUCTION OR DISPOSAL, POTENTIAL FOR EROSION, DRAINAGE OR FLOODING PROBLEMS? EXPLAIN BRIEFLY:<br><i>No</i> |
| C2. AESTHETIC, AGRICULTURAL, ARCHAEOLOGICAL, HISTORIC, OR OTHER NATURAL OR CULTURAL RESOURCES; OR COMMUNITY OR NEIGHBORHOOD CHARACTER: EXPLAIN BRIEFLY:<br><i>No</i>                                                                                                                                                                                             |
| C3. VEGETATION OR FAUNA, FISH, SHELLFISH OR WILDLIFE SPECIES, SIGNIFICANT HABITATS, OR THREATENED OR ENDANGERED SPECIES? EXPLAIN BRIEFLY:<br><i>No</i>                                                                                                                                                                                                           |
| C4. A COMMUNITY'S EXISTING PLANS OR GOALS AS OFFICIALLY ADOPTED, OR A CHANGE IN USE OR INTENSITY OF USE OF LAND OR OTHER NATURAL RESOURCES? EXPLAIN BRIEFLY:<br><i>No</i>                                                                                                                                                                                        |
| C5. GROWTH, SUBSEQUENT DEVELOPMENT, OR RELATED ACTIVITIES LIKELY TO BE INDUCED BY THE PROPOSED ACTION: EXPLAIN BRIEFLY:<br><i>No</i>                                                                                                                                                                                                                             |
| C6. LONG TERM, SHORT TERM, CUMULATIVE, OR OTHER EFFECTS NOT IDENTIFIED IN C1-C5? EXPLAIN BRIEFLY:<br><i>No</i>                                                                                                                                                                                                                                                   |
| C7. OTHER IMPACTS (INCLUDING CHANGES IN USE OF EITHER QUANTITY OR TYPE OF ENERGY)? EXPLAIN BRIEFLY:<br><i>No</i>                                                                                                                                                                                                                                                 |
| D. WILL THE PROJECT HAVE AN IMPACT ON THE ENVIRONMENTAL CHARACTERISTICS THAT CAUSED THE ESTABLISHMENT OF A CRITICAL ENVIRONMENTAL AREA (CEA)? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO. IF YES, EXPLAIN BRIEFLY:                                                                                                                      |
| E. IS THERE, OR IS THERE LIKELY TO BE, CONTROVERSY RELATED TO POTENTIAL ADVERSE ENVIRONMENTAL IMPACTS? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO. IF YES, EXPLAIN BRIEFLY:<br><i>Possibly by a neighbor that we do not get along with.</i>                                                                                             |

**PART III – DETERMINATION OF SIGNIFICANCE (TO BE COMPLETED BY AGENCY)**

**Instructions:** For each adverse effect identified above, determine whether it is substantial, large, important or otherwise significant. Each effect should be assessed in connection with its (a) setting (i.e., urban or rural); (b) probability of occurring; (c) duration; (d) irreversibility; (e) geographic scope; and (f) magnitude. If necessary, add attachments or reference supporting materials. Ensure that explanations contain sufficient detail to show that all relevant adverse impacts have been identified and adequately addressed. If question D or Part II was checked yes, the determination of significance must evaluate the potential impact of the proposed action on the environmental characteristics of the CEA.

|                                                                                                                                                                                                                                                                                                                                                      |                                                                        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|
| <input type="checkbox"/> CHECK THIS BOX IF YOU HAVE IDENTIFIED ONE OR MORE POTENTIALLY LARGE OR SIGNIFICANT ADVERSE IMPACTS WHICH <b>MAY</b> OCCUR. THEN PROCEED DIRECTLY TO THE FULL EAF AND/OR PREPARE A POSITIVE DECLARATION.                                                                                                                     |                                                                        |
| <input checked="" type="checkbox"/> CHECK THIS BOX IF YOU HAVE DETERMINED, BASED ON THE INFORMATION AND ANALYSIS ABOVE AND ANY SUPPORTING DOCUMENTATION, THAT THE PROPOSED ACTION <b>WILL NOT</b> RESULT IN ANY SIGNIFICANT ADVERSE ENVIRONMENTAL IMPACTS <b>AND</b> PROVIDE ON ATTACHMENTS AS NECESSARY. THE REASONS SUPPORTING THIS DETERMINATION: |                                                                        |
| _____<br>Name of Lead Agency                                                                                                                                                                                                                                                                                                                         | _____<br>Date                                                          |
| _____<br>Print or Type Name of Responsible Officer in Lead Agency                                                                                                                                                                                                                                                                                    | _____<br>Title of Responsible Officer                                  |
| _____<br>Signature of Responsible Officer in Lead Agency                                                                                                                                                                                                                                                                                             | _____<br>Signature of Preparer (if different from responsible officer) |





BOOK 4437 PAGE 260  
**BARGAIN AND SALE DEED**

This **Indenture**, made the 11<sup>TH</sup> day of June, 2000, between

|              |                  |
|--------------|------------------|
| 014748       | RECEIVED         |
|              | \$..... <u>5</u> |
|              | REAL ESTATE      |
|              | JUL 13 2000      |
| TRANSFER TAX |                  |
| ONONDAGA     |                  |
| COUNTY       |                  |

**DANIELLE J. EWERT AND RYAN EWERT,**

**MANLIUS**  
**3138**

of **8291 EAST SENECA STREET, MANLIUS NEW YORK 13104**, party of the second part:

**Witnesseth**, that the party of the first part, in consideration of ONE AND 00/100 dollars (\$1.00), lawful money of the United States, paid by the party of the second part, does hereby remise, release, and quitclaim unto the party of the second part, theirs heirs and assigns forever, all

THAT TRACT OR PARCEL OF LAND situate in the Town of Manlius, County of Onondaga and State of New York, being part of Farm Lot 88 in said Town and more particularly described as Lot 5 of the Tyneswood Subdivision according to a map of said Tract made by David A. Vredenburg, L.L.S., filed in the Onondaga County Clerk's Office on November 6, 1998 as Map No. 8701.

Subject to easements, covenants and restrictions of record.

Being the same premises conveyed by Allied Realty Corporation to John Frateschi and Julie Frateschi by deed dated December 3, 1998 and recorded in the Onondaga County Clerk's Office on December 3, 1998 in Book 4285 of Deeds at Page 165.

**Together** with the appurtenances and all the estate and rights of the party of the first part in and to said premises.

**To have and to hold** the premises herein granted unto the party of the second part, his heirs and assigns forever. And the party of the first part covenants that he has not done or suffered anything whereby the said premises have been incumbered in any way whatever.

In witness whereof, the party of the first part has hereunto set his hand and seal the day and year first written above written. In presence of:

John Frateschi L.S.  
Julie Frateschi L.S.

STATE OF NEW YORK }  
COUNTY OF ONONDAGA } ss.:

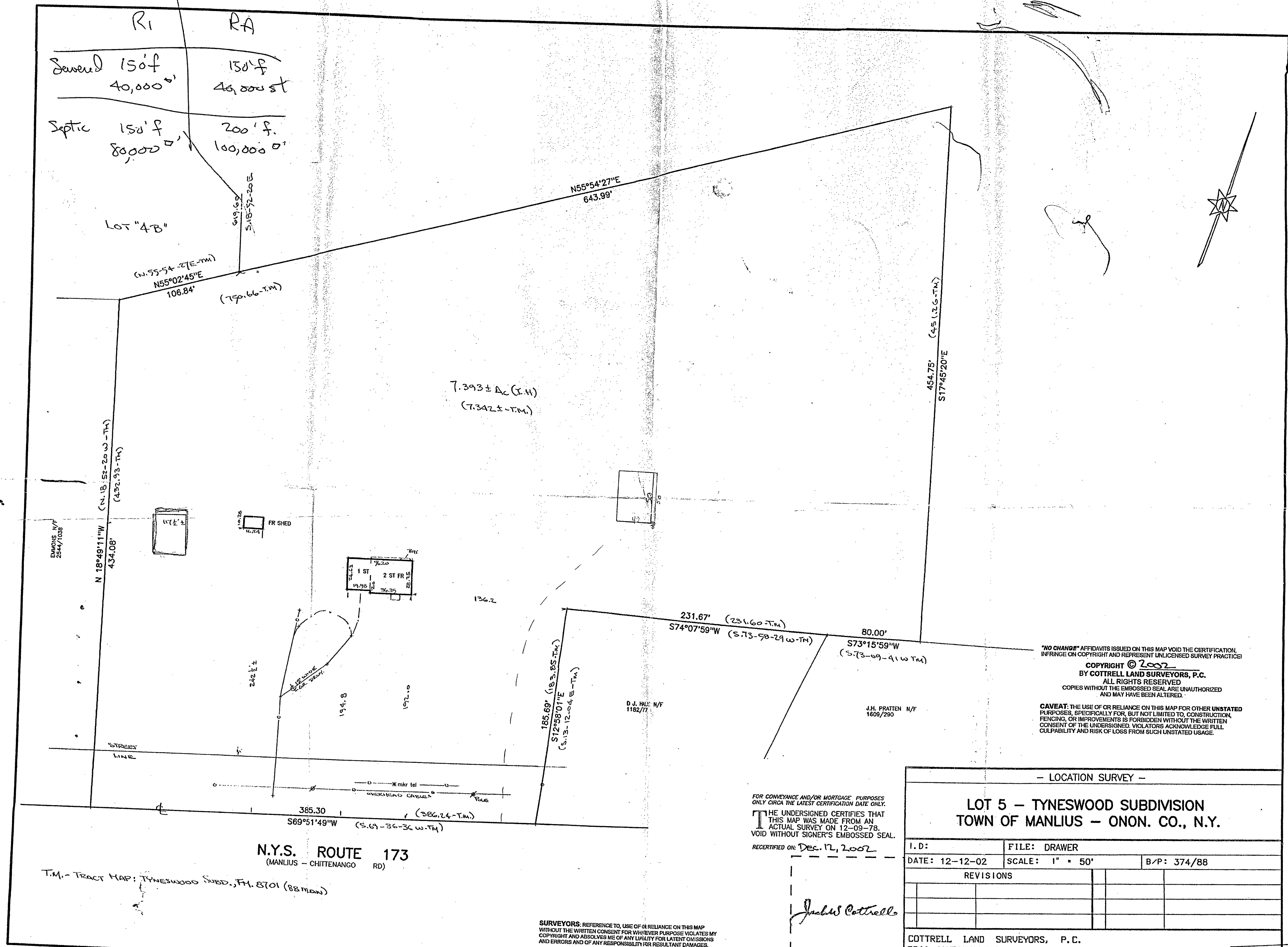
On the 11<sup>TH</sup> day of June, 2000 before me, the undersigned, personally appeared **JOHN FRATESCHI** and **JULIE FRATESCHI** personally known to me or proved to me on the basis of satisfactory evidence to be the individuals whose names are subscribed to the within instrument and acknowledged to me that they executed the same in their capacities, and that by their signatures on the instrument, the individuals, or the person upon behalf of which the individuals acted, executed the instrument.

**LAURA L. SPRING**  
Notary Public, State of New York  
Qualified in Onondaga County, No. 02SP4888675  
Commission Expires March 16, 2007

Laura L. Spring

12:53 07/13/00 0793000 D B-04437 P-259

mu



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FOR CONVEYANCE AND/OR MORTGAGE PURPOSES ONLY CIRCA THE LATEST CERTIFICATION DATE ONLY.  
THE UNDERSIGNED CERTIFIES THAT THIS MAP WAS MADE FROM AN ACTUAL SURVEY ON 12-09-78. VOID WITHOUT SIGNER'S EMBOSSED SEAL.  
RECERTIFIED ON: Dec. 12, 2002

*James Cottrell*  
SEAL

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|                                                                                                      |                 |             |  |
|------------------------------------------------------------------------------------------------------|-----------------|-------------|--|
| - LOCATION SURVEY -                                                                                  |                 |             |  |
| LOT 5 - TYNESWOOD SUBDIVISION<br>TOWN OF MANLIUS - ONON. CO., N.Y.                                   |                 |             |  |
| I.D.:                                                                                                | FILE: DRAWER    |             |  |
| DATE: 12-12-02                                                                                       | SCALE: 1" = 50' | B/P: 374/88 |  |
| REVISIONS                                                                                            |                 |             |  |
|                                                                                                      |                 |             |  |
|                                                                                                      |                 |             |  |
|                                                                                                      |                 |             |  |
| COTTRELL LAND SURVEYORS, P.C.<br>7308 JAMESVILLE ROAD<br>MANLIUS, N.Y. 13104    PHONE (315) 682-8121 |                 |             |  |

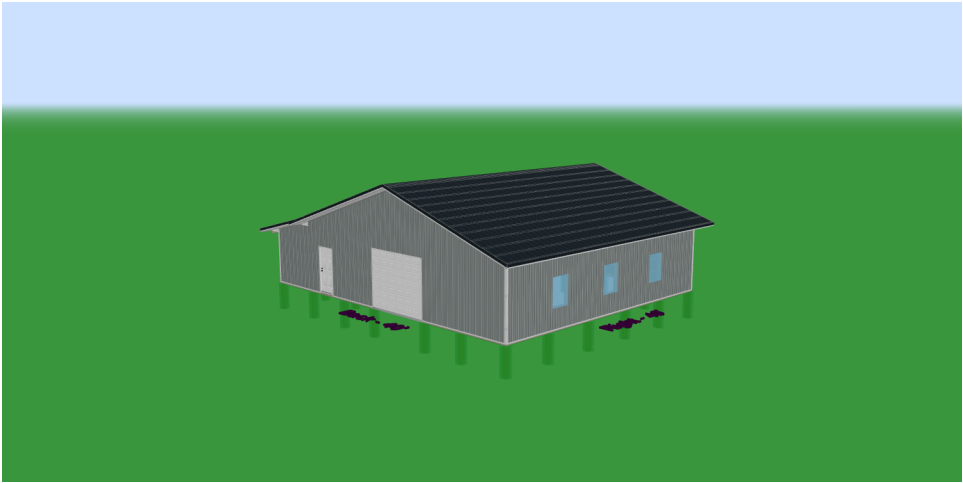
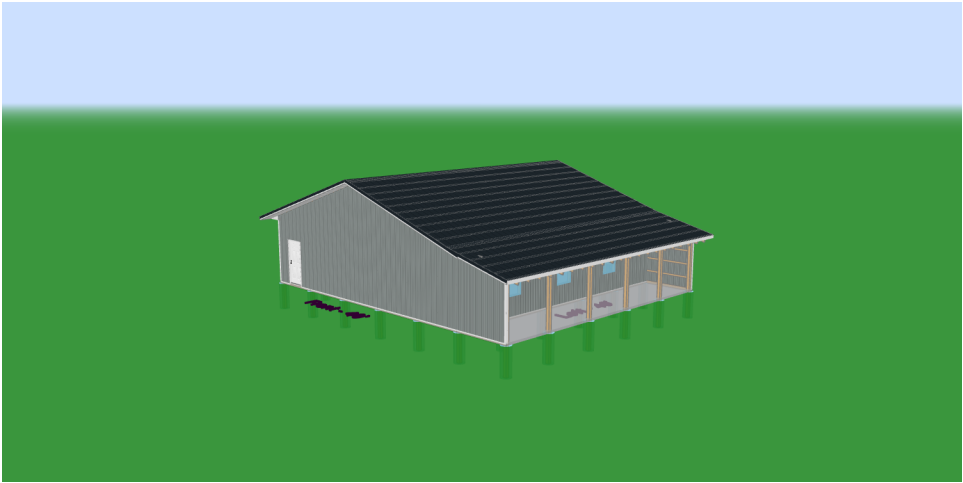
RECEIVED  
APR 1 2022  
By \_\_\_\_\_



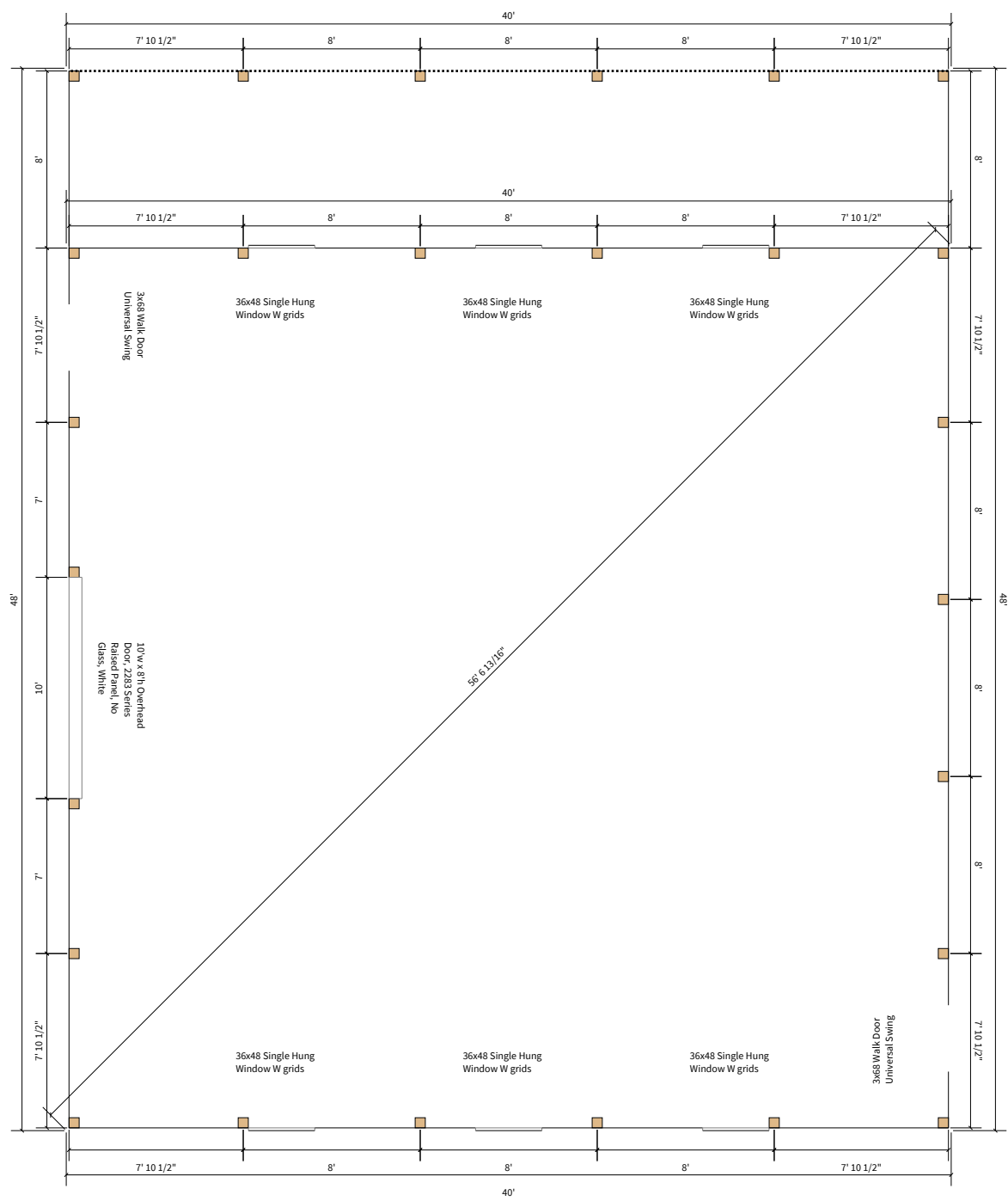
Cover Sheet

| Summary        |                    |
|----------------|--------------------|
| Width          | 40'                |
| Length         | 40'                |
| Ceiling Height | 10'                |
| Slab Depth     | 0.333333333333333' |
| Overhangs      | 4                  |
| Roof Pitch     | 4/12               |

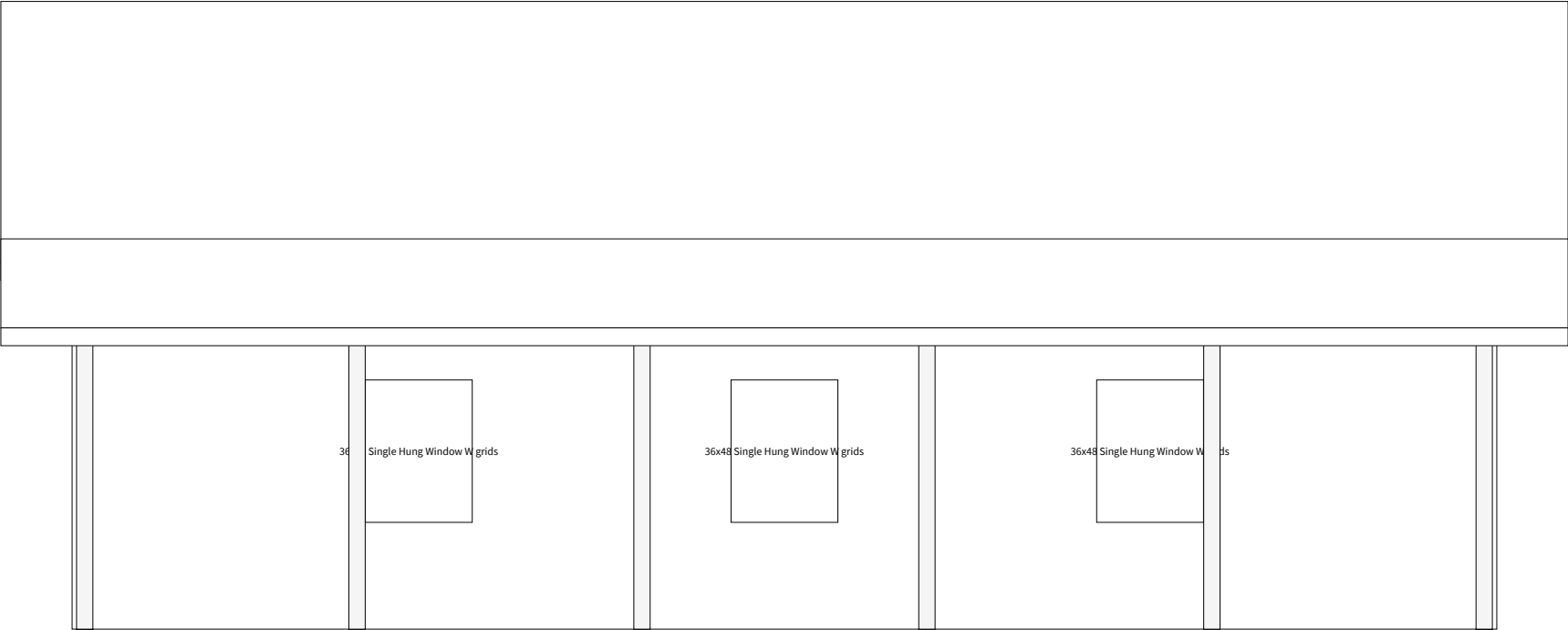
| Job Information  |                                 |
|------------------|---------------------------------|
| Project Name     | Ryan Ewert                      |
| Company Name     | rls structures                  |
| Contact          |                                 |
| Email            |                                 |
| Phone            |                                 |
| Delivery Address | 8291 E. Seneca<br>Tpke, Manlius |
| ZIP code         |                                 |
| Desired Date     |                                 |
| Comments         |                                 |



Post Layout

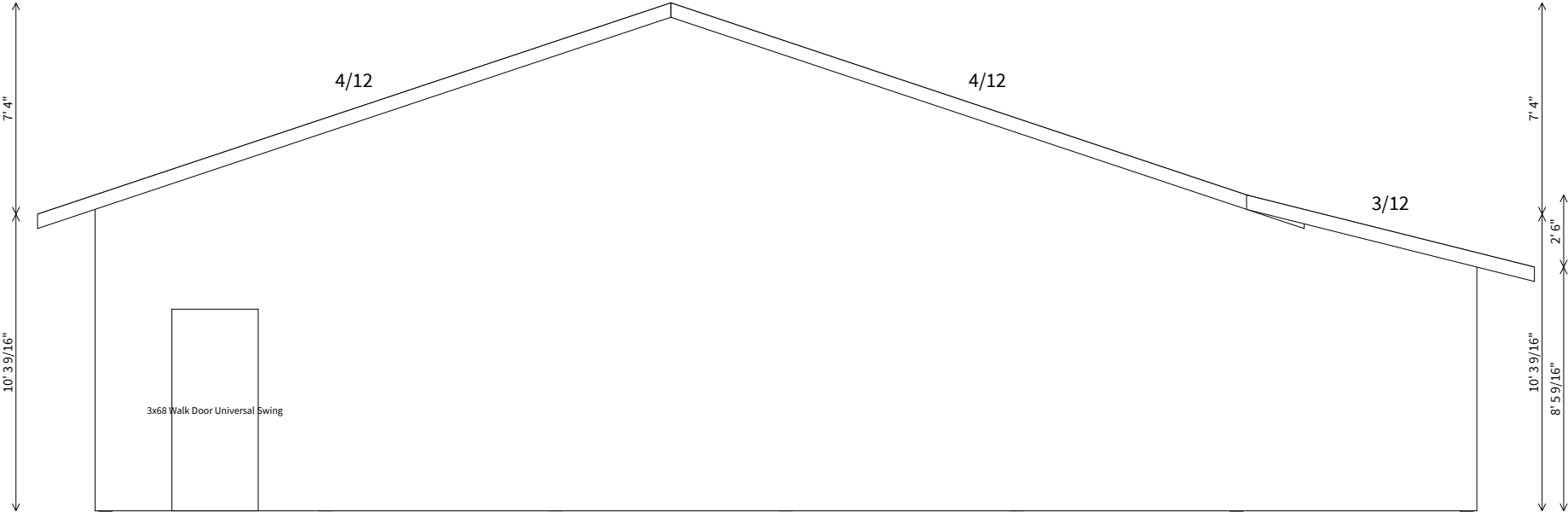


Left Elevation



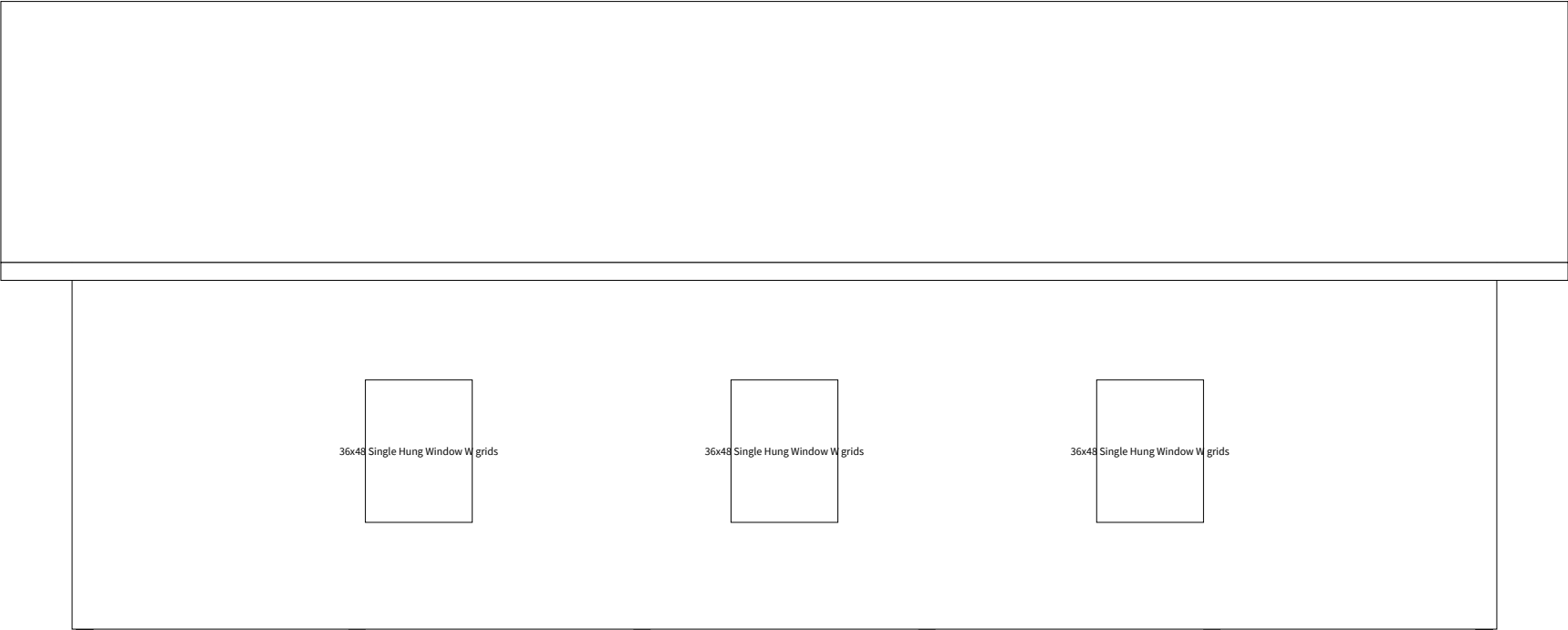


Front Elevation

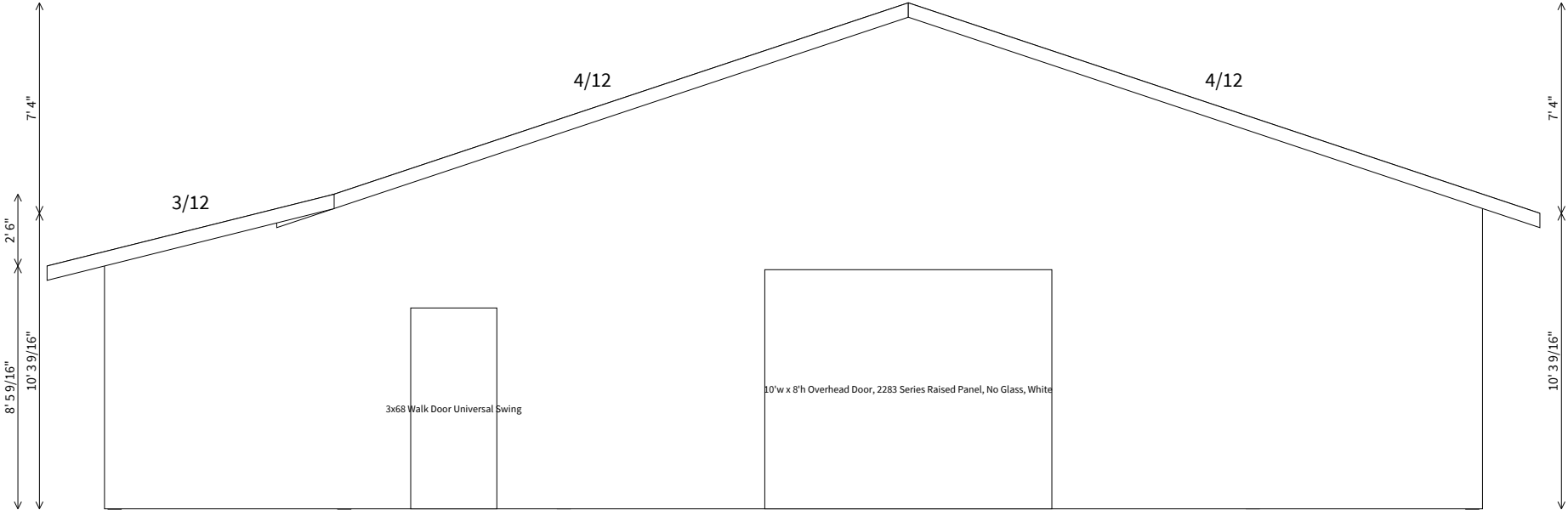


Job: Ryan Ewert  
Date: 4/19/2022  
Time: 8:43 AM

Right Elevation



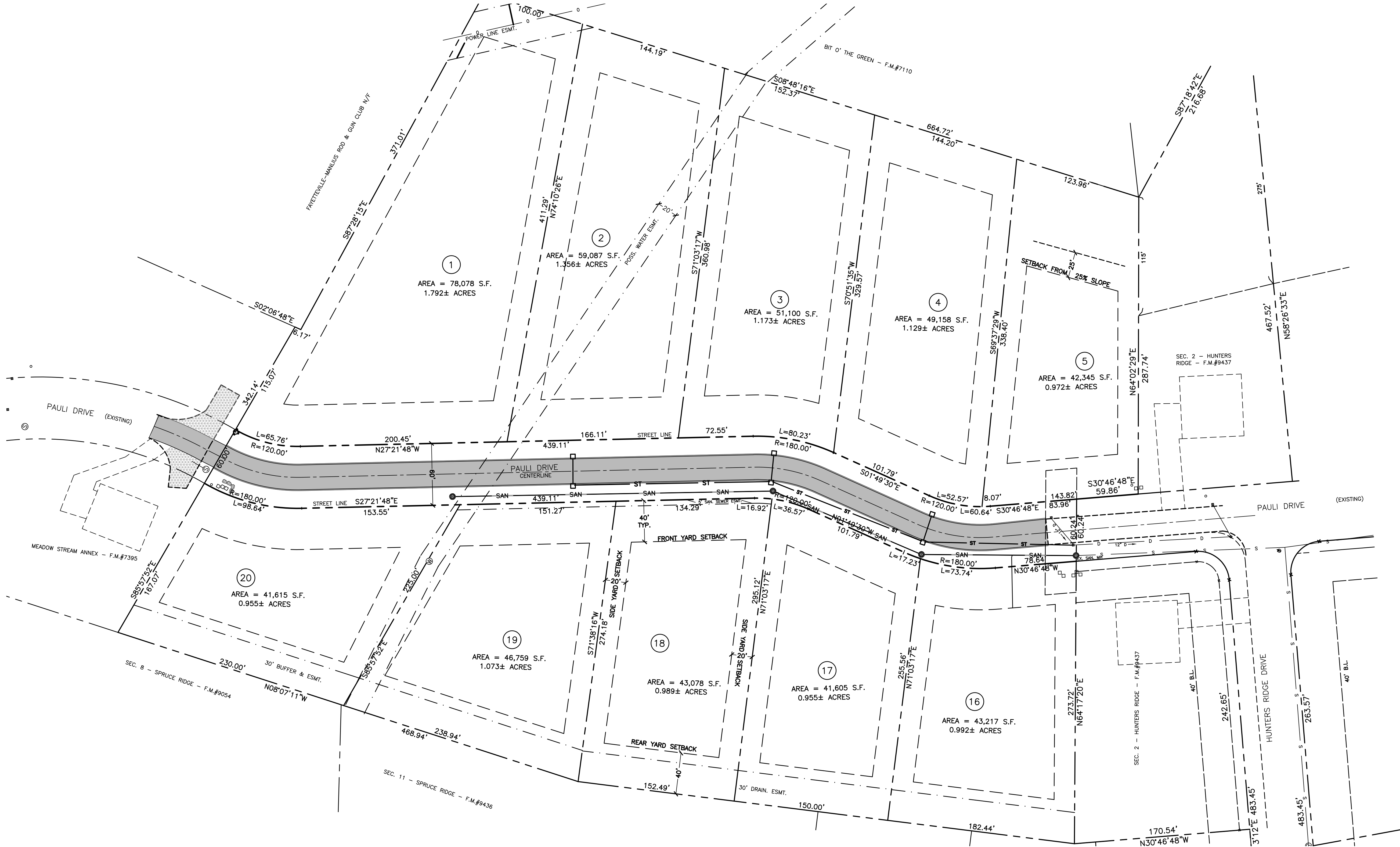
Back Elevation





| SITE CRITERIA CHECKLIST |                           |                |
|-------------------------|---------------------------|----------------|
| ZONING INFORMATION      |                           |                |
| ZONING DISTRICT         | R-1, RESIDENTIAL DISTRICT |                |
|                         | REQUIRED                  | PROVIDED       |
| MIN. LOT FRONTAGE       | 150'                      | 150' MIN.      |
| MIN. LOT AREA           | 40,000 SF                 | 40,000 SF MIN. |
| MINIMUM FRONT YARD      | 40'                       | 40' MIN.       |
| MINIMUM REAR YARD       | 40'                       | 40' MIN.       |
| MINIMUM SIDE YARD       | 20'                       | 20' MIN.       |
| DIST. FROM 25% SLOPES   | 25'                       | 25' MIN.       |

NOTES:  
1) SURVEY/SUBDIVISION PREPARED BY COTTRELL LAND SURVEYORS, P.C.



PROJECT TITLE:  
**HUNTER'S RIDGE  
(PAULI DRIVE EXTENSION)**  
TOWN OF MANLIUS  
ONONDAGA CO., NY

PREPARED FOR:  
**ROBERT CARON HOMES**  
7990 BLARNEY STONE WAY  
MANLIUS, NY 13104

LAYOUT PLAN

| NO. | REVISION/ISSUE    | DATE     |
|-----|-------------------|----------|
| 2   | PER TOWN COMMENTS | 04/28/22 |
| 1   | PER TOWN COMMENTS | 02/02/22 |

PREPARED BY:  
**NAPIERALA CONSULTING**  
PROFESSIONAL ENGINEER, P.C.  
SITE • DESIGN • ENGINEERING  
110 FAYETTE STREET  
MANLIUS, NEW YORK 13104  
email: MNAP@NAPCON.COM  
PH: (315) 682-5580 FAX: (315) 682-5544

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BY A DESCRIPTION OF THE  
ALTERATION.

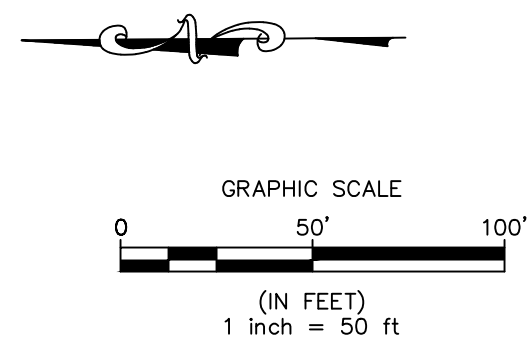
PROJECT NO.  
**21-1973**

DATE  
**30 JUNE 2021**

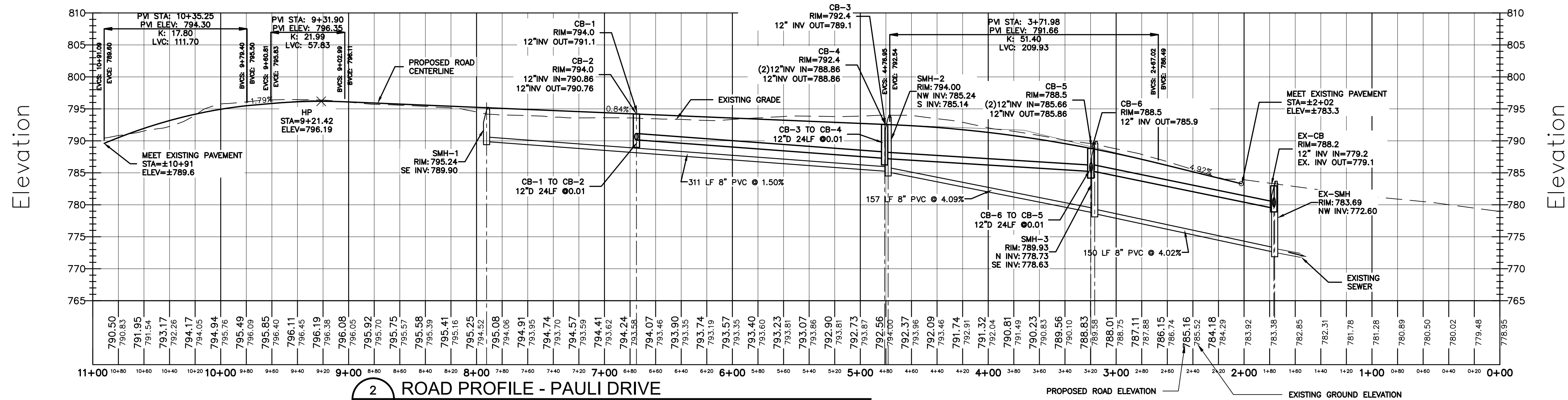
SCALE  
**1"=50'**

C-1





1 LAYOUT PLAN  
C-2 SCALE: 1"=50'



2 ROAD PROFILE - PAULI DRIVE  
C-2 SCALE: 1"=50'H 1"=10'V

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OF THE PROFESSIONAL ENGINEERING  
AND SURVEYING LAWS OF THE STATE OF  
NEW YORK.

PROJECT TITLE:  
**HUNTER'S RIDGE  
(PAULI DRIVE EXTENSION)**  
TOWN OF MANLIUS  
ONONDAGA CO., NY  
PREPARED FOR:  
ROBERT CARON HOMES  
7990 BLARNEY STONE WAY  
MANLIUS, NY 13104

SHEET TITLE:  
**GRADING, UTILITY AND  
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## EROSION CONTROL NOTES

### EROSION AND SEDIMENT CONTROLS

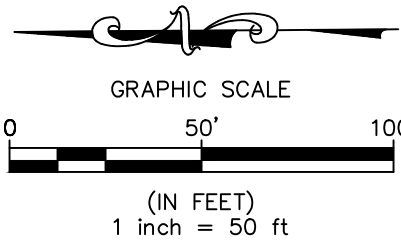
- STABILIZATION PRACTICES (TEMPORARY)
  - TEMPORARY SEEDING AND PLANTING OF ALL UNPAVED AREAS WHEN CONSTRUCTION ACTIVITY HAS CEASED, OR WILL CEASE, IN AN AREA FOR 14 DAYS. SEEDING MIXTURES AND APPLICATION RATES ARE OUTLINED IN THE PROJECT'S STORMWATER POLLUTION PREVENTION PLAN (SWPPP).
  - MULCHING EXPOSED AREAS.
  - FREQUENT WATERING TO MINIMIZE WIND EROSION DURING CONSTRUCTION.
- STABILIZATION PRACTICES (PERMANENT)
  - LAND CLEARING ACTIVITIES SHALL BE DONE ONLY IN AREAS WHERE EARTHWORK WILL BE PERFORMED AND SHALL PROGRESS AS EARTHWORK IS NEEDED.
  - PERMANENT SEEDING AND PLANTING OF ALL UNPAVED AREAS.
- STRUCTURAL MEASURES TEMPORARY
  - STABILIZED CONSTRUCTION ENTRANCE: AT THE ENTRANCE TO THE ALL DISTURBED AREAS FROM AN EXISTING ROADWAY A STABILIZED CONSTRUCTION ENTRANCE SHALL BE PROVIDED. THE PURPOSE OF THE STABILIZED CONSTRUCTION ENTRANCE IS TO REDUCE OR ELIMINATE THE TRACKING OF SEDIMENT ONTO THE PUBLIC RIGHT-OF-WAY.
  - SILT FENCE: SILT FENCE SHALL BE INSTALLED AS SHOWN ON THE EROSION CONTROL PLAN. THE FABRIC SHALL MEET THE SPECIFICATIONS NOTED ON THE DETAILS UNLESS OTHERWISE APPROVED BY THE APPROPRIATE EROSION AND SEDIMENT CONTROL PLAN APPROVAL AUTHORITY. SUCH APPROVAL SHALL NOT CONSTITUTE STATEWIDE ACCEPTANCE.
  - DUST CONTROL: DUST CONTROL IS THE CONTROL OF DUST RESULTING FROM LAND-DISTURBING ACTIVITIES. THE PURPOSE IS TO PREVENT SURFACE AND AIR MOVEMENT OF DUST FROM DISTURBED SOIL SURFACES THAT MAY CAUSE OFF-SITE DAMAGE, HEALTH HAZARDS, AND TRAFFIC SAFETY PROBLEMS.
- STRUCTURAL PRACTICES (PERMANENT)
  - ROCK OUTLET PROTECTION: ROCK OUTLET PROTECTION IS A SECTION OF ROCK PROTECTION PLACED AT THE OUTLET END OF CULVERTS, CONDUITS, OR CHANNELS. THE PURPOSE OF THE ROCK OUTLET PROTECTION IS TO REDUCE THE DEPTH, VELOCITY, AND ENERGY OF WATER, SUCH THAT THE FLOW WILL NOT ERODE THE RECEIVING DOWNSTREAM REACH.
  - REINFORCED SLOPE PROTECTION: A TEMPORARY PROTECTIVE COVERING PLACED ON A PREPARED PLANTING AREA THAT IS ANCHORED IN PLACE BY STAPLES OR OTHER MEANS TO AID IN CONTROLLING EROSION BY ABSORBING RAIN SPLASH ENERGY AND WITHSTAND OVERLAND FLOW AS WELL AS PROVIDE A MICROCLIMATE TO PROTECT AND PROMOTE SEED ESTABLISHMENT.
  - LAND GRADING: PERMANENT RESHAPING OF THE EXISTING LAND SURFACE BY GRADING IN ACCORDANCE WITH AN ENGINEERING TOPOGRAPHIC PLAN AND SPECIFICATION TO PROVIDE EROSION CONTROL AND VEGETATIVE ESTABLISHMENT ON DISTURBED, RESHAPED AREAS.

### 5. SEQUENCE OF MAJOR ACTIVITIES

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING THE ABOVE LISTED EROSION AND SEDIMENT CONTROL PRACTICES. THE CONTRACTOR MAY DESIGNATE THESE TASKS TO CERTAIN SUBCONTRACTORS AS IS SEEN FIT, BUT THE ULTIMATE RESPONSIBILITY FOR IMPLEMENTING THESE CONTROLS AND ENSURING THEIR PROPER FUNCTION REMAINS WITH THE CONTRACTOR. THE ORDER OF ACTIVITIES WILL BE AS FOLLOWS:
- CONDUCT A PRECONSTRUCTION MEETING WITH ALL INVOLVED PARTIES
  - CONSTRUCT TEMPORARY CONSTRUCTION ENTRANCE/EXIT AT THE LOCATION SHOWN ON THE ESC PLAN.
  - INSTALL PERIMETER SILT FENCE IN THE LOCATIONS SHOWN ON THE PLAN AND INDIVIDUAL HOME LOTS AS OUTLINED IN THE SWPPP.
  - SITE GRADING. IMPORT OF FILL MATERIAL TO RAISE SITE TO PROPOSED GRADE (OR SUB-GRADE, AS APPROPRIATE).
  - BUILDING FOUNDATION EXCAVATION (BUILDING CONSTRUCTION TO CONTINUE CONCURRENTLY WITH REMAINING SITE WORK).
  - DISTURBED AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS CEASED FOR MORE THAN 14 DAYS SHALL BE TEMPORARILY SEEDED AND WATERED.
  - UNDERGROUND UTILITIES, STORM, AND SEWER INSTALLATIONS.
  - INSTALL FILTER FABRIC DROP INLET PROTECTION AT ALL STORM INLETS.
  - FINALIZE PAVEMENT SUBGRADE PREPARATION.
  - REMOVE INLET PROTECTION NO MORE THAN 24 HOURS PRIOR TO PLACING ASPHALT PAVEMENT.
  - PAVE AREAS NOTED ON PLAN.
  - DEEP RIPPING OF NON-PAVED AREAS AS REQUIRED (NON-PAVED AREAS THAT HAVE BEEN COMPACTED DURING CONSTRUCTION VIA CONSTRUCTION TRAFFIC).
  - FINAL GRADING, SEEDING, AND PLANTING.
  - REMOVE SILT FENCE ONLY AFTER ALL PAVING IS COMPLETE AND EXPOSED SURFACES ARE STABILIZED.

### GENERAL EROSION CONTROL NOTES

- LAND DISTURBING ACTIVITIES SHALL NOT COMMENCE UNTIL APPROVAL TO DO SO HAS BEEN RECEIVED BY GOVERNING AUTHORITIES. THE GENERAL CONTRACTOR SHALL STRICTLY ADHERE TO THE APPROVED SWPPP DRAWINGS DURING CONSTRUCTION OPERATIONS.
- NO LAND CLEARING OR GRADING SHALL BEGIN UNTIL THE APPROPRIATE EROSION CONTROL MEASURES HAVE BEEN INSTALLED.
- ALL EXPOSED AREAS SHALL BE SEEDED AS SPECIFIED WITHIN 7 DAYS OF FINAL GRADING.
- SHOULD CONSTRUCTION STOP FOR LONGER THAN 14 DAYS, THE SITE SHALL BE SEEDED AS SPECIFIED.
- MAINTAIN EROSION CONTROL MEASURES AFTER EACH RAIN AND AT LEAST ONCE A WEEK.
- THIS PLAN SHALL NOT BE CONSIDERED ALL INCLUSIVE AS THE GENERAL CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT SEDIMENT FROM LEAVING THE SITE.
- GENERAL CONTRACTOR SHALL COMPLY WITH ALL STATE AND LOCAL ORDINANCES THAT APPLY.
- ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED IF DEEMED NECESSARY BY ON SITE INSPECTION.
- IF INSTALLATION OF STORM DRAINAGE SYSTEM SHOULD BE INTERRUPTED BY WEATHER OR NIGHTFALL, THE PIPE ENDS SHALL BE COVERED WITH FILTER FABRIC.
- GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO TAKE WHATEVER MEANS NECESSARY TO ESTABLISH PERMANENT SOIL STABILIZATION.
- ALL WORK TO BE DONE IN STRICT ACCORDANCE WITH THE NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL.



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| NO. | REVISION/ISSUE    | DATE     |
|-----|-------------------|----------|
| 2   | PER TOWN COMMENTS | 04/28/22 |
| 1   | PER TOWN COMMENTS | 02/02/22 |

## EROSION AND SEDIMENT CONTROL PLAN

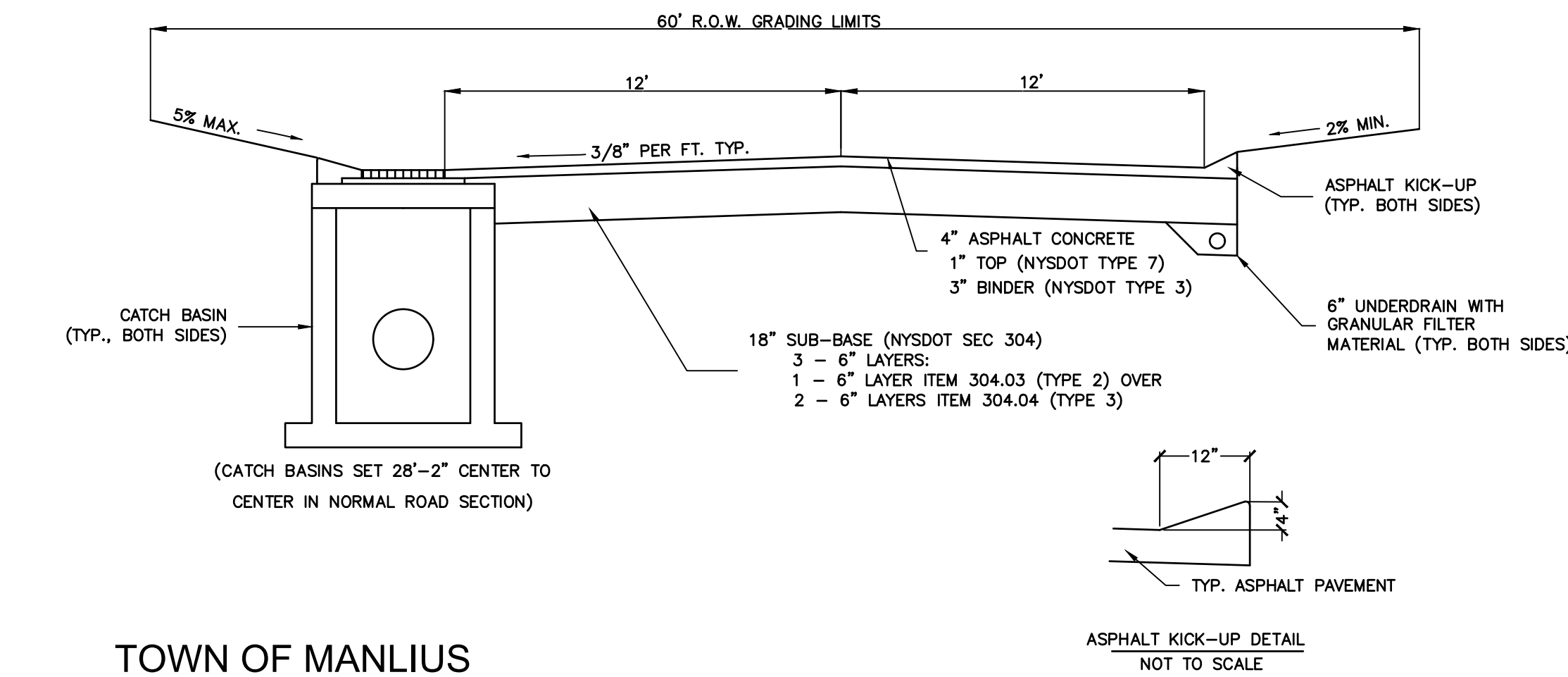
SHEET TITLE:

PROJECT TITLE:  
**HUNTER'S RIDGE  
(PAULI DRIVE EXTENSION)**  
TOWN OF MANLIUS  
ONONDAGA CO., NY

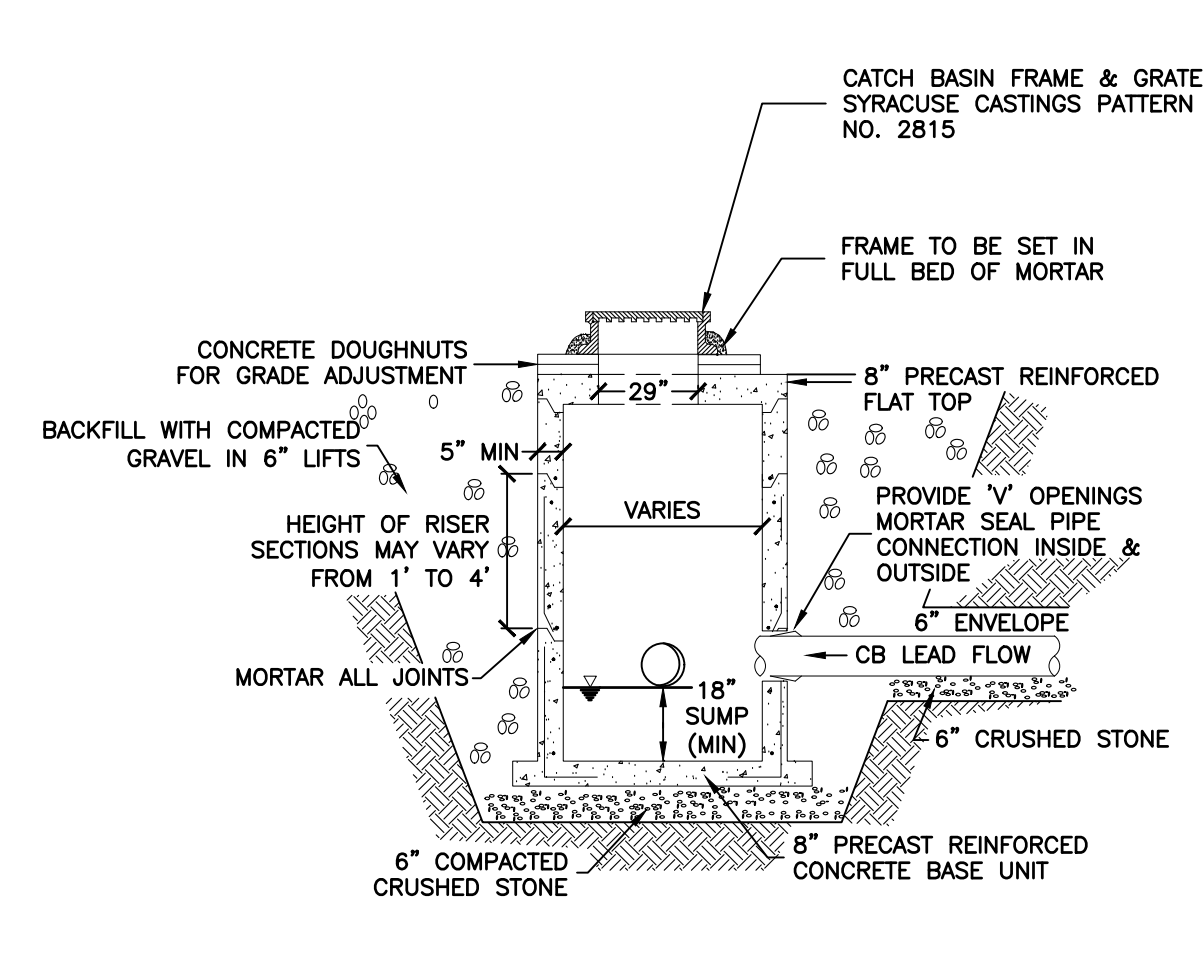
PREPARED FOR:

**ROBERT CARON HOMES**  
7990 BLARNEY STONE WAY  
MANLIUS, NY 13104





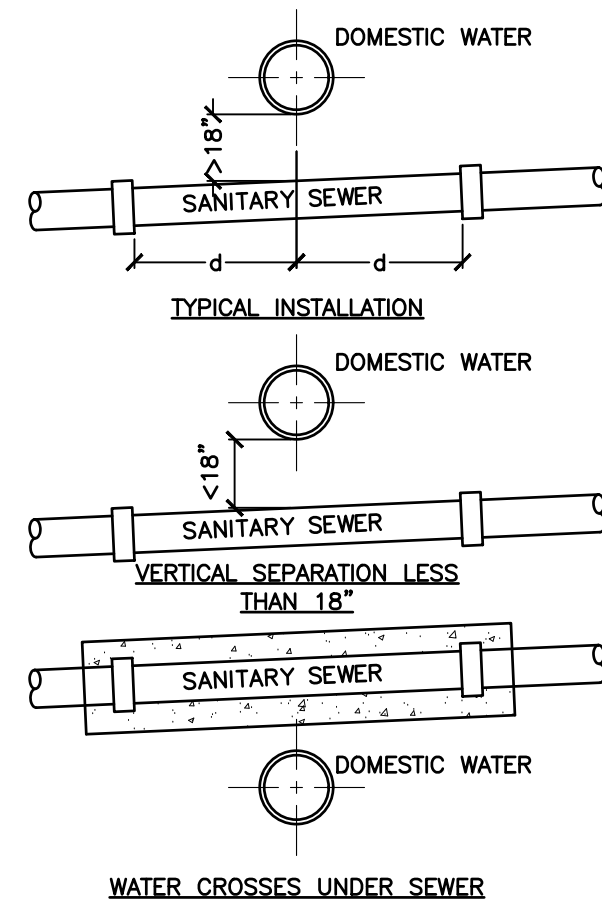
1 TOWN OF MANLIUS  
RESIDENTIAL STREET CROSS SECTION  
C-4 SCALE: NTS



2 CATCH BASIN  
C-4 SCALE: NTS

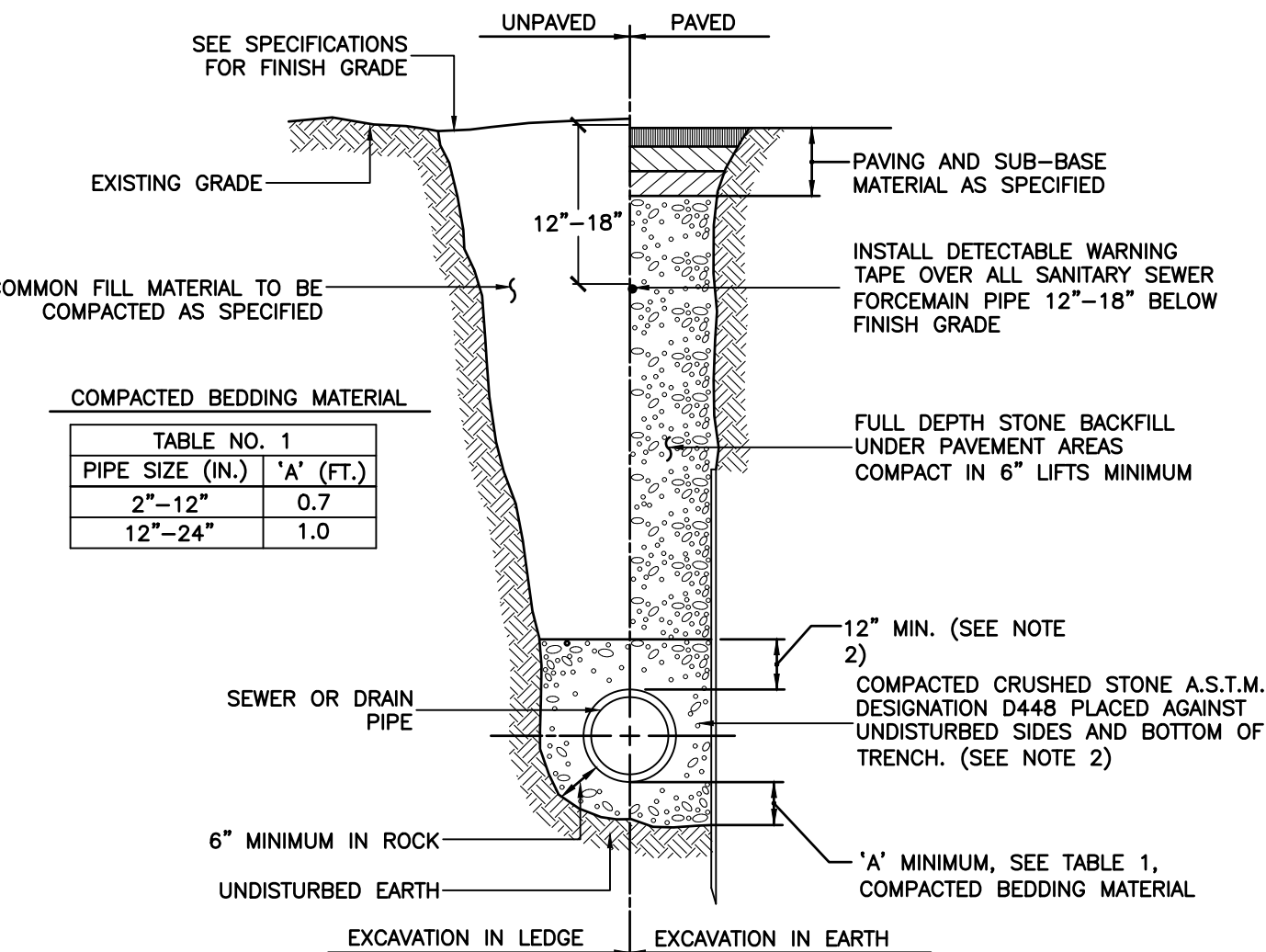
DRAINAGE STRUCTURE GENERAL NOTES

- ALL STRUCTURES SHALL BE RATED FOR H-20 LOADING.
- REINFORCING FOR ALL SECTIONS SHALL BE AS FOLLOWS:  
TOP: #3 BARS SPACED AT 4" IN BOTH DIRECTIONS.  
BOTTOM: #3 BARS SPACED AT 4" IN BOTH DIRECTIONS.  
SIDES: #3 BARS SPACED AT 8" IN BOTH HORIZONTAL AND VERTICAL.
- ALL REINFORCEMENT SHALL BE PLACED SO IT WILL HAVE A MINIMUM COVER OF 2" AND BE LOCATED APPROXIMATELY WITHIN THE CENTER OF THE SECTION.
- TOP SLAB AND/OR FRAME ADJUSTMENT: FOR ALL DRAINAGE STRUCTURES A MAXIMUM OF 6 INCHES OF BRICK AND MORTAR OR A MAXIMUM OF 2 INCHES OF MORTAR ALONE SHALL BE USED FOR TOP SLAB AND/OR FRAME & GRATE ADJUSTMENT. FOR ADJUSTMENTS OVER 6 INCHES AND NOT TO EXCEED 12 INCHES, PRECAST CONCRETE ADJUSTMENT ELEMENT(S) MANUFACTURED IN ACCORDANCE WITH NYS-DOT STANDARD SPEC SUB-SECTION #706-04 SHALL BE USED; A MAXIMUM OF 2 INCHES OF MORTAR SHALL BE ALLOWED ON BOTH THE TOP AND BOTTOM OF THE PRECAST DEVICES. BRICK SHALL BE PRECAST PAVERS CONFORMING TO NYS-DOT STANDARD SPEC SUB-SECTION #704-13 AND MORTAR SHALL BE MORTAR FOR CONCRETE MASONRY CONFORMING TO NYS-DOT STANDARD SPEC SUB-SECTION #705-21.
- MANHOLE STEPS SHALL BE REQUIRED IN ALL DRAINAGE STRUCTURES DEEPER THAN 4 FEET. STEPS SHALL CONFORM TO NYS-DOT STANDARD SPEC SUB-SECTION #725-02.
- BASE OF PRECAST CATCH BASIN SHALL REST ON BASE MATERIAL COMPACTED IN PLACE WITH A VIBRATORY MECHANICAL TAMPER IN LIFTS NOT TO EXCEED 6" AT A TIME.
- TRENCH SIDES SHALL CONFORM TO NYS DEPT OF LABOR AND OSHA SAFETY REGULATIONS.
- MANHOLE INLET AND OUTLET PIPE CONNECTIONS MUST BE JOINED TO THE MANHOLE WITH A GASKETED, FLEXIBLE, WATERTIGHT CONNECTION OR IN ANY WATERTIGHT ARRANGEMENT THAT ALLOWS DIFFERENTIAL SETTLING OF THE MANHOLE WALL AND PIPE TO TAKE PLACE.



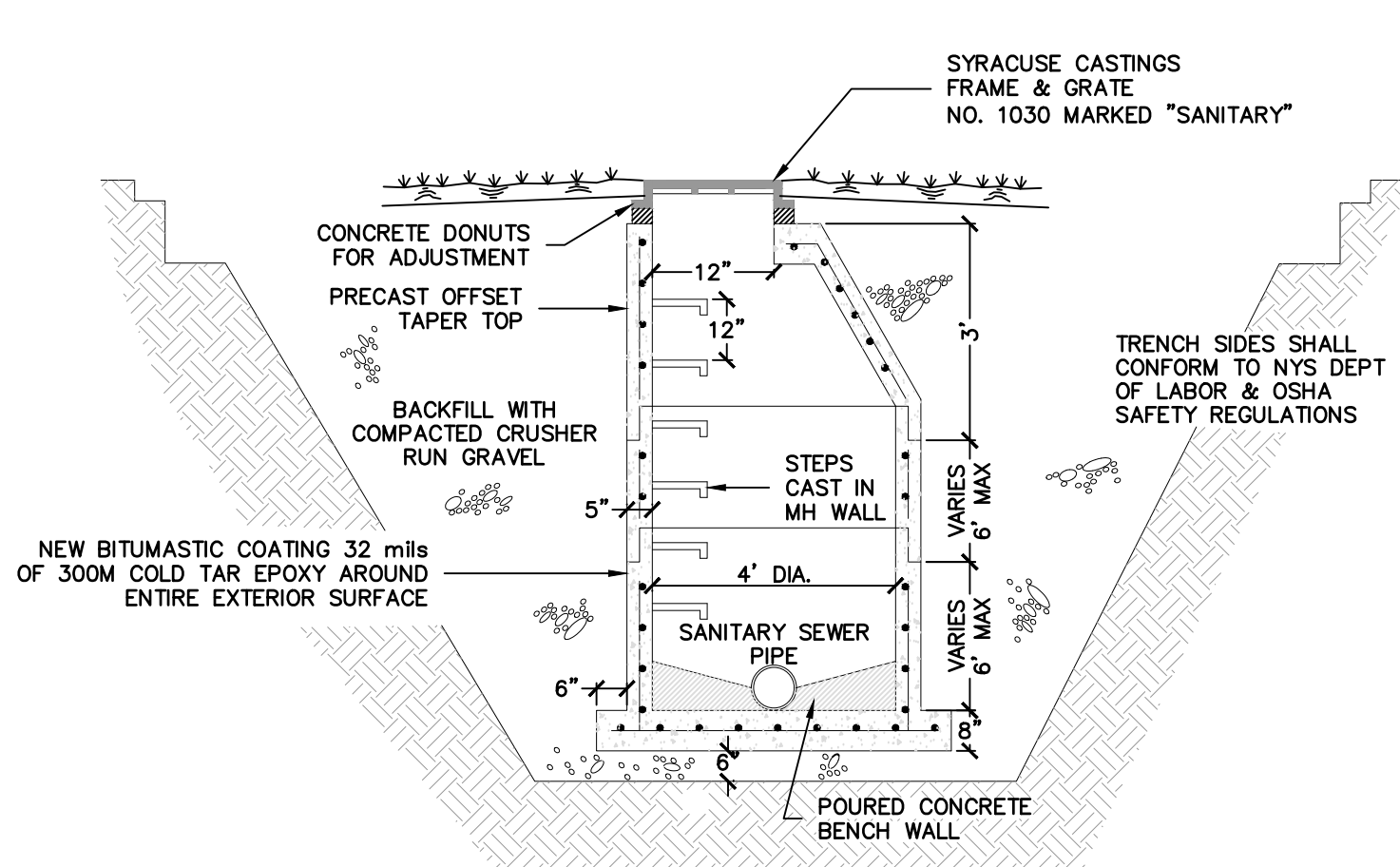
3 WATER AND SEWER SEPARATION  
C-4 SCALE: NTS

- TYPICAL INSTALLATION**
- MINIMUM VERTICAL SEPARATION IS 18" FROM TOP OF PIPE TO BOTTOM OF PIPE.
  - SEWER JOINTS ARE TO BE SPACED EQUIDISTANT AND AS FAR AS POSSIBLE FROM THE WATER MAIN JOINTS.
- VERTICAL SEPARATION LESS THAN 18"**
- SEWER SHALL BE DESIGNED AND CONSTRUCTED EQUAL TO THE WATER PIPE, AND SHALL BE PRESSURE TESTED AT 150 PSI TO ASSURE WATER TIGHTNESS PRIOR TO BACKFILLING.
  - SEWER JOINTS ARE TO BE SPACED EQUIDISTANT AND AS FAR AS POSSIBLE FROM THE WATER MAIN JOINTS.
- WATER CROSSES UNDER SEWER**
- SEWER SHALL BE DESIGNED AND CONSTRUCTED EQUAL TO THE WATER PIPE, AND SHALL BE PRESSURE TESTED AT 150 PSI TO ASSURE WATER TIGHTNESS PRIOR TO BACKFILLING.
  - SEWER JOINTS ARE TO BE SPACED EQUIDISTANT AND AS FAR AS POSSIBLE FROM THE WATER MAIN JOINTS.
  - PROVIDE ADEQUATE STRUCTURAL SUPPORT FOR SEWER TO MAINTAIN LINE AND GRADE.



- NOTES:**
- SHEETING, WHEN REQUIRED, TO BE CUT OFF AT LEAST 5 FEET BELOW STREET AND A MINIMUM OF 1 FOOT ABOVE TOP OF PIPE. WOOD SHEETING DRIVEN BELOW MID-DIAMETER OF THE PIPE SHALL BE LEFT IN PLACE. STEEL SHEETING DRIVEN BELOW MID-DIAMETER MAY BE WITHDRAWN IF APPROVED IN WRITING BY THE ENGINEER. FOR PVC PIPE ALL SHEETING DRIVEN BELOW MID-DIAMETER SHALL BE LEFT IN PLACE.
  - WHEN APPROVED BY THE ENGINEER FOR PIPES OTHER THAN PVC SELECTED GRAVEL FILL MATERIAL MAY BE USED FROM MID-DIAMETER OF PIPE TO 12" ABOVE TOP OF PIPE. NO STONES LARGER THAN 2 INCHES IN ANY DIMENSION WILL BE PERMITTED IN THIS AREA 3. TRENCHES LOCATED ON THE ROAD SHOULDER SHALL BE TREATED THE SAME AS EXCEPT FOR PAVING.
  - PROVIDE AT LEAST ONE IMPERVIOUS DAM IN GRAVEL BEDDING BETWEEN EACH MANHOLE WHERE DIRECTED, OR EVERY 300 FEET, WHICHEVER IS LESS. SEE DETAIL.
  - BEDDING MATERIAL FOR PVC PIPE SHALL MEET THE REQUIREMENTS OF ASTM D2321 CLASS I OR CLASS II EMBEDMENT MATERIALS.

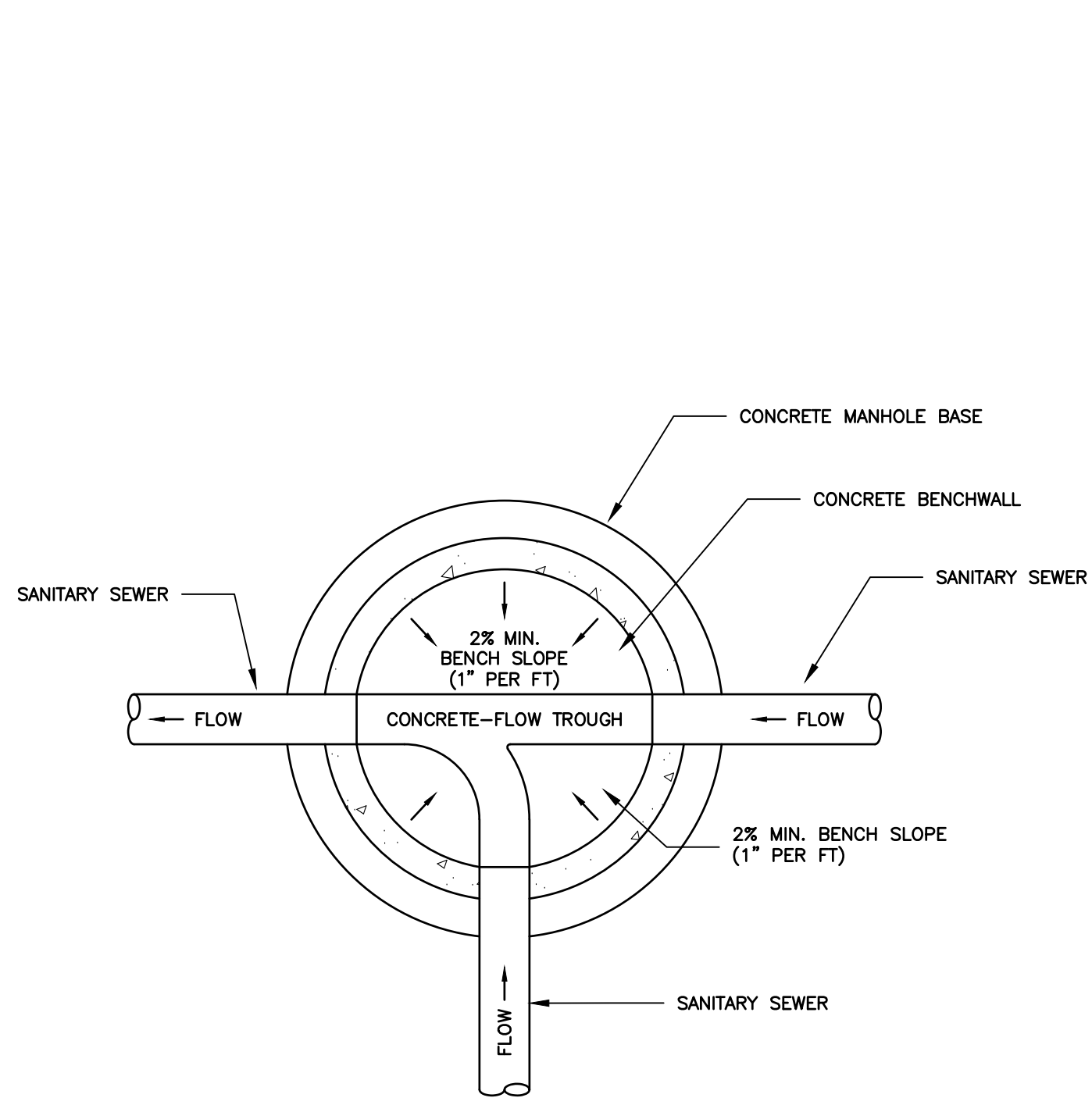
4 TYPICAL SEWER AND DRAIN TRENCH  
C-4 SCALE: NTS



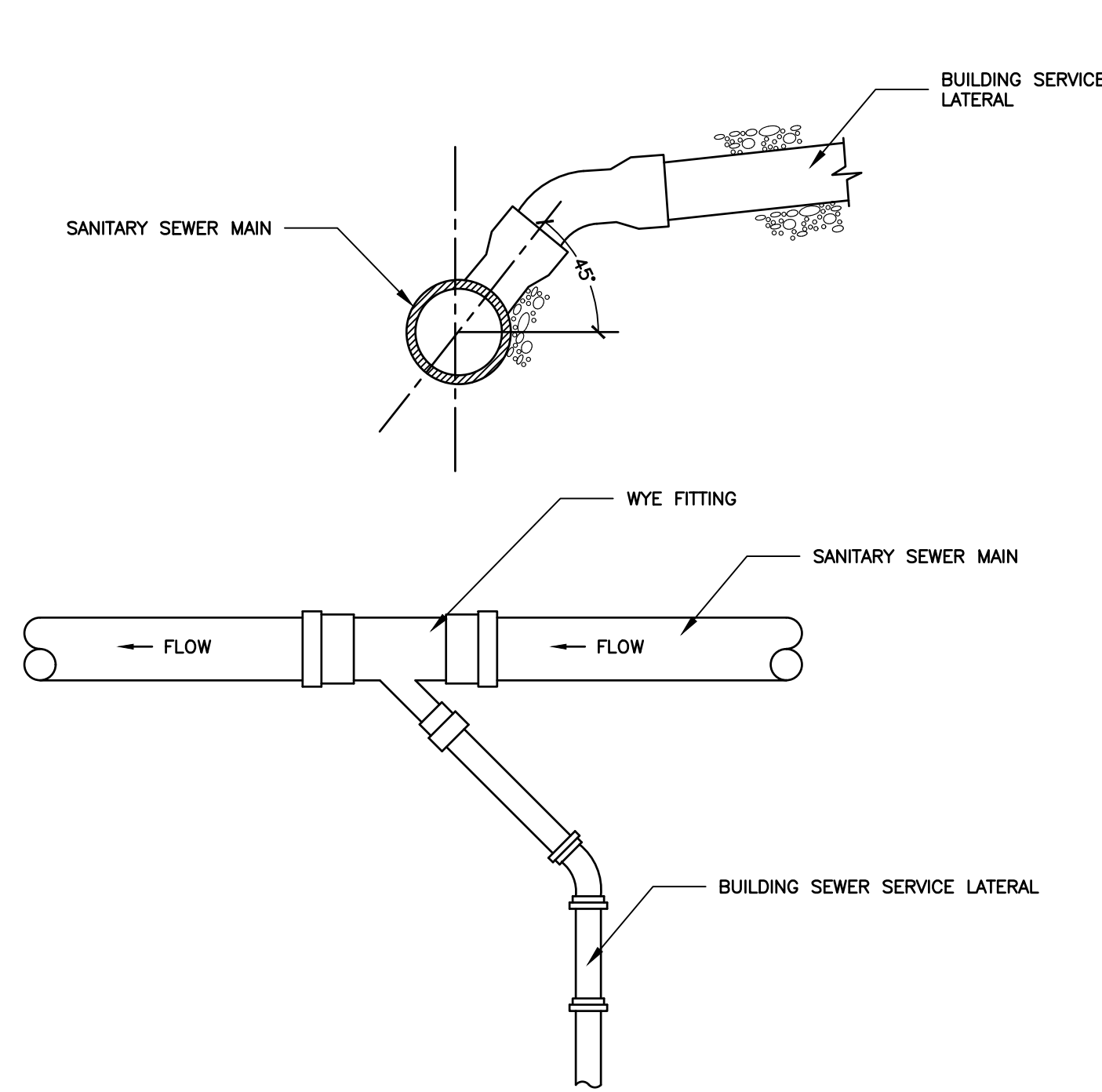
SANITARY MANHOLE GENERAL NOTES

- ALL SANITARY SEWER MANHOLES TO BE RATED FOR H-20 LOADING.
- PRECAST REINFORCED CONCRETE OFFSET TAPER TOP TO BE MANUFACTURED IN ACCORDANCE WITH ASTM C-478. TOP SECTION IS TO BE 3' LONG.
- PRECAST REINFORCED CONCRETE MANHOLE RISER SECTIONS ARE TO BE MANUFACTURED IN ACCORDANCE WITH ASTM C-478. RISER SECTIONS ARE TO HAVE A 48" INSIDE DIAMETER x 5" WALL AVAILABLE IN 2', 3', OR 4' LENGTHS.
- PRECAST REINFORCED CONCRETE MANHOLE BASE IS TO BE MANUFACTURED IN ACCORDANCE WITH ASTM C-478. BASE IS TO HAVE A 48" INSIDE DIAMETER x 5" WALL WITH RUBBER BOOTS AS REQUIRED.
- REINFORCING FOR ALL SECTIONS SHALL BE 2X4, 8% W.W. MESH.
- ALL REINFORCEMENT SHALL BE PLACED SO IT WILL HAVE A MINIMUM COVER OF 2" AND BE LOCATED APPROXIMATELY WITHIN THE CENTER OF THE SECTION.
- COURSES OF BRICK OR CONCRETE DONUTS ARE TO BE USED FOR RIM GRADE ADJUSTMENTS.
- BASE OF PRECAST MANHOLE SHALL REST ON UNDISTURBED UNIFORM VIRGIN SOIL OR COMPACTED GRAVEL, COMPACTED IN PLACE WITH VIBRATORY MECHANICAL TAMPERS IN LIFTS NOT TO EXCEED 6" AT A TIME.
- TRENCH SIDES SHALL CONFORM TO NYS LABOR DEPARTMENT SAFETY REGULATIONS.

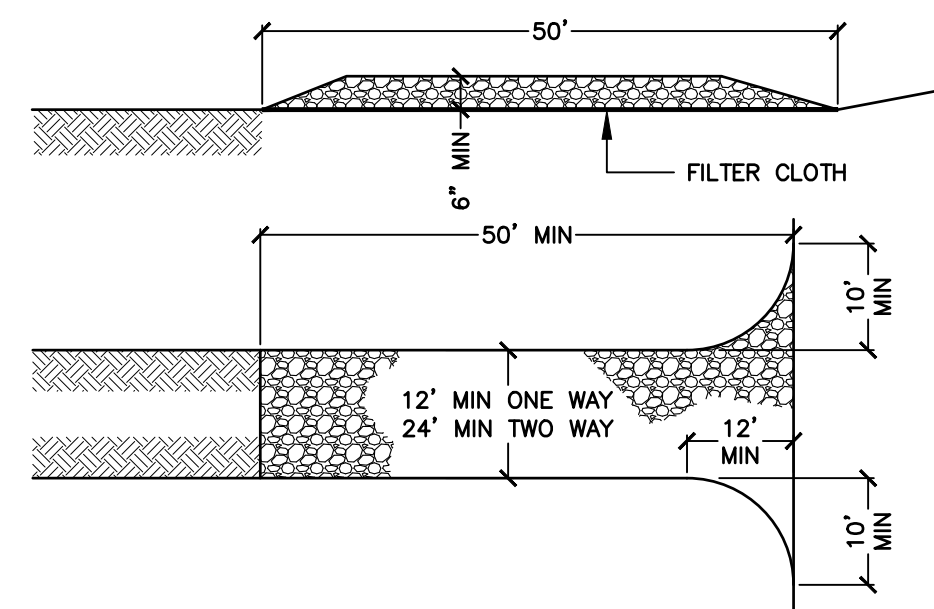
5 SANITARY MANHOLE STRUCTURE  
C-4 SCALE: NTS



6 SANITARY SEWER MANHOLE BENCH  
C-4 SCALE: NTS

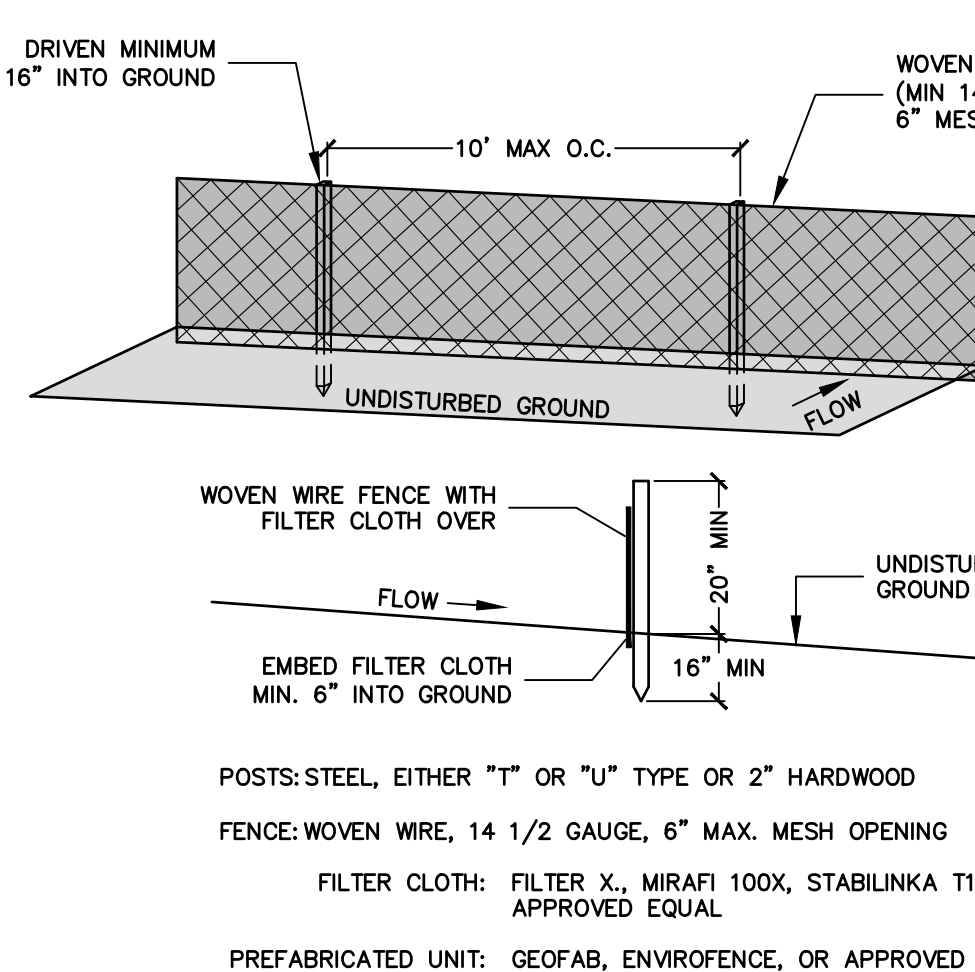


7 TYPICAL LATERAL CONNECTION  
C-4 SCALE: NTS



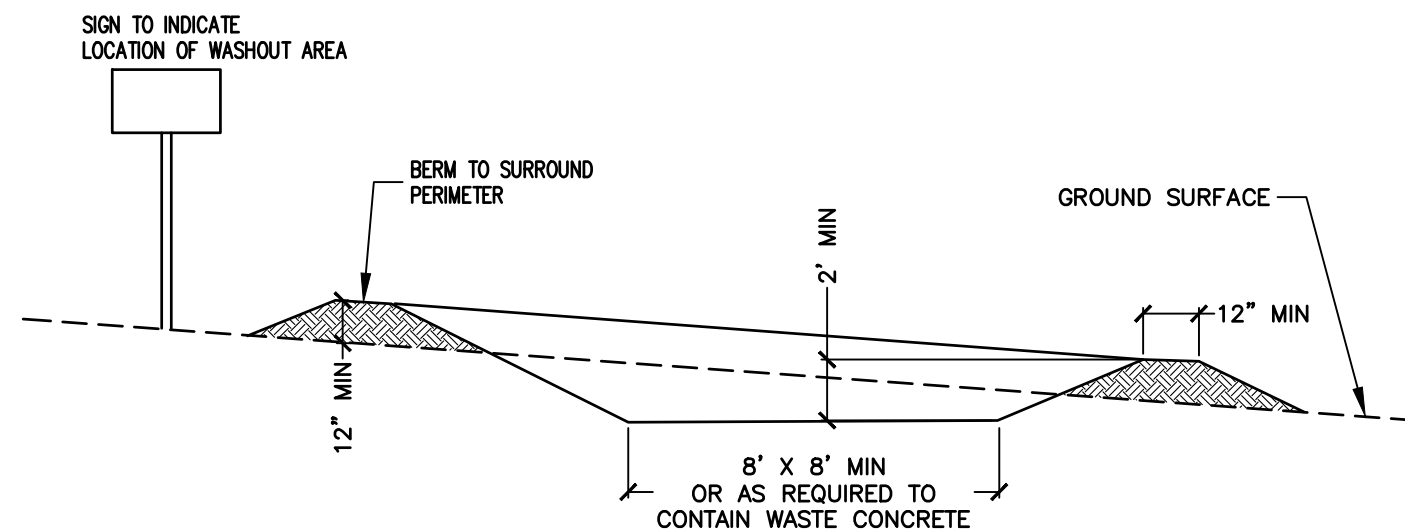
- STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
- LENGTH - NOT LESS THAN 50 FEET.
- THICKNESS - NOT LESS THAN SIX (6) INCHES.
- WIDTH - 24 FEET MINIMUM.
- FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
- SURFACE WATER - ALL SURFACE WATER FLOWING 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.
- 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.
- WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED TRAPPING DEVICE.
- PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

8 CONSTRUCTION ENTRANCE  
C-4 SCALE: NTS



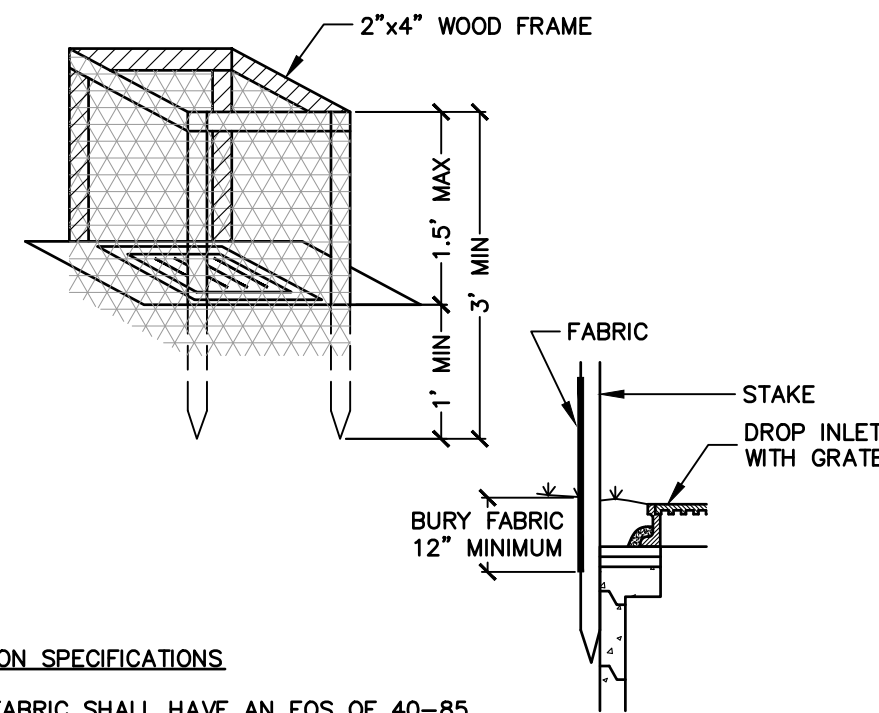
- POSTS: STEEL, EITHER "T" OR "U" TYPE OR 2" HARDWOOD
- FENCE: WOVEN WIRE, 14 1/2 GAUGE, 6" MAX. MESH OPENING
- FILTER CLOTH: FILTER X, MIRAFI 100X, STABILINKA T140N OR APPROVED EQUAL
- PREFABRICATED UNIT: GEOFAB, ENVIROFENCE, OR APPROVED EQUAL
- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
  - FILTER CLOTH IS TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
  - WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
  - MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

9 SILT FENCE  
C-4 SCALE: NTS



- NOTES:**
- CONCRETE WASHOUT AREA SHALL BE INSTALLED PRIOR TO ANY CONCRETE PLACEMENT ON SITE.
  - SIGNS SHALL BE PLACED AT THE CONSTRUCTION ENTRANCE, AT THE WASHOUT AREA, AND ELSEWHERE AS NECESSARY TO CLEARLY INDICATE LOCATION OF CONCRETE WASHOUT AREA TO OPERATORS OF CONCRETE TRUCKS AND PUMP RIGS.
  - THE CONCRETE WASHOUT AREA SHALL BE REPAIRED AND ENLARGED OR CLEANED OUT AS NECESSARY TO MAINTAIN CAPACITY FOR WASTED CONCRETE.
  - AT THE END OF CONSTRUCTION, ALL CONCRETE SHALL BE REMOVED FROM SITE AND DISPOSED OF AT AN ACCEPTED WASTE SITE.
  - WHEN THE CONCRETE WASHOUT AREA IS REMOVED, THE DISTURBED AREA SHALL BE SEEDED AND MULCHED OR OTHERWISE STABILIZED.

10 CONCRETE WASHOUT AREA  
C-4 SCALE: NTS



CONSTRUCTION SPECIFICATIONS

- FILTER FABRIC SHALL HAVE AN EOS OF 40-85.
- CUT FABRIC FROM A CONTINUOUS ROLL TO ELIMINATE JOINTS. IF JOINTS ARE NEEDED THEY WILL BE OVERLAPPED TO THE NEXT STAKE.
- STAKE MATERIALS WILL BE STANDARD 2"x4" WOOD OR EQUIVALENT METAL WITH A MINIMUM LENGTH OF 3 FEET.
- SPACE STAKES EVENLY AROUND INLET 3 FEET APART AND DRIVE A MINIMUM 18 INCHES DEEP. SPANS GREATER THAN 3 FEET MAY BE BRIDGED WITH THE USE OF WIRE MESH BEHIND THE FILTER FABRIC FOR SUPPORT.
- FABRIC SHALL BE EMBEDDED 1 FOOT MINIMUM BELOW GROUND AND BACKFILLED. IT SHALL BE SECURELY FASTENED TO THE STAKES AND FRAME.
- A 2"x4" WOOD FRAME SHALL BE COMPLETED AROUND THE CREST OF THE FABRIC FOR OVER FLOW STABILITY.

11 DROP INLET PROTECTION  
C-4 SCALE: NTS

PROJECT TITLE: HUNTER'S RIDGE (PAULI DRIVE EXTENSION)  
TOWN OF MANLIUS  
ONONDAGA CO., NY  
PREPARED BY: ROBERT CARON HOMES  
7990 BLARNEY STONE WAY  
MANLIUS, NY 13104

DETAILS

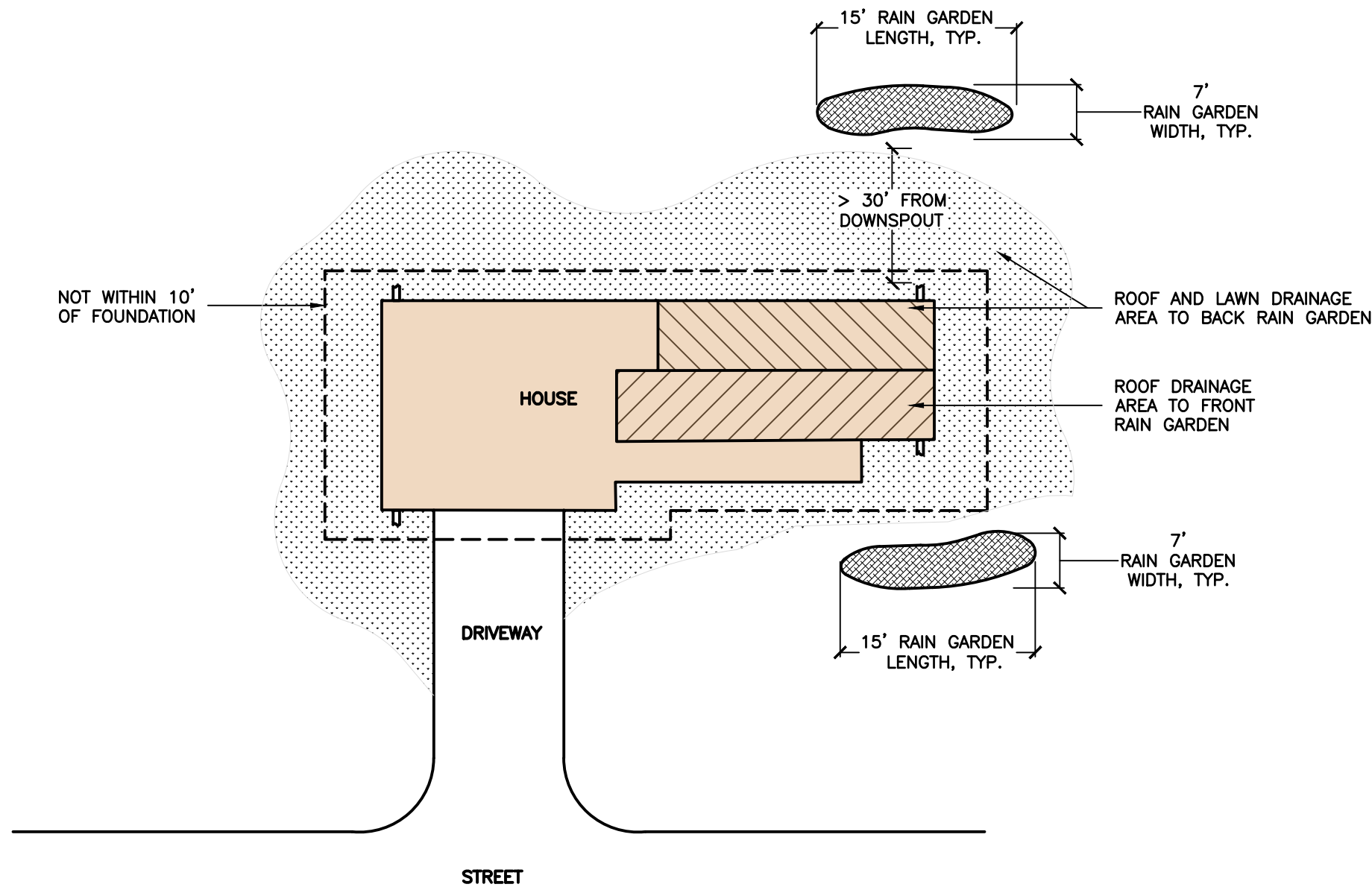
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|--------------|----------|-------------------|
| 1            | 04/28/22 | PER TOWN COMMENTS |
| 2            | 02/02/22 | PER TOWN COMMENTS |

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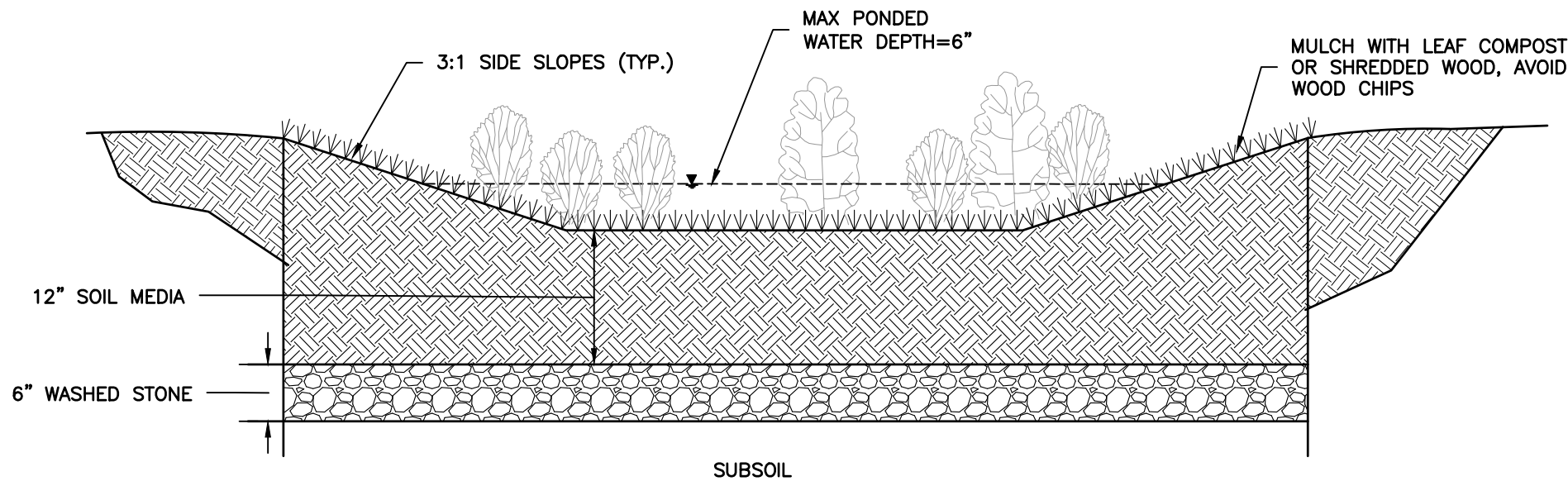
PROJECT NO. 21-1973  
DATE 30 JUNE 2021  
SCALE AS NOTED

C-4





1 RAIN GARDEN LAYOUT, TYP. (FIGURE 5.42 FROM NYSDEC)  
C-5 SCALE: NTS



NOTE:  
THE SOIL MEDIA SHOULD CONSIST OF  
50%-70% SAND (LESS THAN 5% CLAY  
CONTENT), 50%-30% TOPSOIL WITH AN  
AVERAGE OF 5% ORGANIC MATERIAL  
(SUCH AS COMPOST OR PEAT)

2 RAIN GARDEN  
C-5 SCALE: NTS

| Table 5.11 Suggested Rain Garden Plant List |                             |
|---------------------------------------------|-----------------------------|
| Shrubs                                      | Herbaceous Plants           |
| Witch Hazel                                 | Cinnamon Fern               |
| <i>Hamamelis virginiana</i>                 | <i>Osmunda cinnamomea</i>   |
| Winterberry                                 | Cutleaf Coneflower          |
| <i>Ilex verticillata</i>                    | <i>Rudbeckia laciniata</i>  |
| Arrowwood                                   | Woolgrass                   |
| <i>Viburnum dentatum</i>                    | <i>Scirpus cyperinus</i>    |
| Brook-side Alder                            | New England Aster           |
| <i>Alnus serrulata</i>                      | <i>Aster novae-angliae</i>  |
| Red-Osier Dogwood                           | Fox Sedge                   |
| <i>Cornus stolonifera</i>                   | <i>Carex vulpinoidea</i>    |
| Sweet Pepperbush                            | Spotted Joe-Pye Weed        |
| <i>Clethra alnifolia</i>                    | <i>Eupatorium maculatum</i> |
|                                             | Switch Grass                |
|                                             | <i>Panicum virgatum</i>     |
|                                             | Great Blue Lobelia          |
|                                             | <i>Lobelia siphatica</i>    |
|                                             | Wild Bergamot               |
|                                             | <i>Monarda fistulosa</i>    |
|                                             | Red Milkweed                |
|                                             | <i>Asclepias incarnate</i>  |

Adapted from NYSDM Bioretention Specifications, Bannerman, Brooklyn Botanic Garden.

3 RAIN GARDEN PLANTS (TABLE FROM NYSDEC)  
C-5 SCALE: NTS



4 RAIN GARDEN LAYOUT  
C-5 SCALE: 1"=100'

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NOTATION "ALTERED BY FOLLOWED  
SPECIFIC DESCRIPTION OF THE  
ALTERATION."

PRELIMINARY  
NOT FOR  
CONSTRUCTION

PROJECT NO.  
21-1973

DATE  
30 JUNE 2021

SCALE  
AS NOTED

C-5

PREPARED BY:  
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| NO. | REVISION/ISSUE    | DATE     |
|-----|-------------------|----------|
| 2   | PER TOWN COMMENTS | 04/28/22 |
| 1   | PER TOWN COMMENTS | 02/02/22 |

DETAILS

SHEET TITLE:

PROJECT TITLE:  
**HUNTER'S RIDGE  
(PAULI DRIVE EXTENSION)**  
TOWN OF MANLIUS ONONDAGA CO., NY

PREPARED FOR:  
**ROBERT CARON HOMES**  
7990 BLARNEY STONE WAY  
MANLIUS, NY 13104

# **STORMWATER POLLUTION PREVENTION PLAN**

For the:

**Hunter's Ridge – Phase 3  
Pauli Drive  
Manlius, NY 13104**

Prepared for:

**Robert Caron Homes  
7990 Blarney Stone Way  
Manlius, NY 13104**

Prepared by:

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Project No. 21-1973

**Revised April 2022**



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## **EXECUTIVE SUMMARY**

### **A. Purpose**

The following Stormwater Pollution Prevention Plan (SWPPP) has been developed to control stormwater runoff and pollutants from a site during construction activities. The objective of this SWPPP is to comply with the NYSDEC SPDES Stormwater Permit from Construction Activities by planning and implementing standard erosion and sediment control practices.

### **B. Project Description**

The ±12.6-acre property is located along Pauli Drive in the Hunter's Ridge Subdivision in the Town of Manlius, Onondaga County, NY. This project consists of the subdivision and construction of 10 single-family home lots. The development will also include necessary amenities such as public road extension/connection, public utilities, and utilization of existing stormwater management facilities.

### **C. Stormwater Practices**

Stormwater practices for this project will be both temporary construction measures and permanent features. Under SPDES Permit GP-0-20-001, single family residential subdivisions with 25% or less impervious cover at total site building out with a disturbed area less than 5 acres require the preparation of SWPPP that only includes erosion and sediment controls. The temporary measures that will be used on this site for erosion and sediment control include (but are not limited to): stabilized construction entrance, silt fencing, inlet protection and soil stabilization matting. The permanent features to be installed, although not required, are individual lot rain gardens as a measure of good practice.

### **D. Stormwater Quantity**

The impacts to stormwater runoff quantity (i.e. peak flows) will be mitigated by the existing stormwater basin. This basin was installed under previous approvals from a master plan, of which these 10 lots were previously designed for.



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**APPENDIX C:** Site Plan and Details

**APPENDIX D:** Historical Approvals

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## **Section I. SCOPE**

### **A. PURPOSE**

**Napierala Consulting, Professional Engineer, P.C.**, has prepared this Stormwater Pollution Prevention Plan (SWPPP) in compliance with the New York State Department of Environmental Conservation (NYSDEC) State Pollutant Discharge Elimination System (SPDES) Construction General Permit governing stormwater discharges during construction. The contractor's participation and adherence to this plan is mandatory. Non-compliance with the plan is subject to various remedies including, without limitation, monetary set-offs, withholding payments, reimbursement for costs, expenses (including reasonable attorney's fees), fines and civil penalties incurred and/or liquidated damages. This section provides a descriptive explanation of the Stormwater Pollution Prevention Plan and required contractor participation.

### **B. SPDES GENERAL PERMIT GP-0-20-001**

Regulations enacted by the New York State Department of Environmental Conservation require permitting for the discharge of stormwater from construction activities on sites where an area of one acre or more of soil disturbance is proposed. To comply with these regulations, the developer of the site must request coverage under the NYSDEC SPDES General Permit for Stormwater Discharges from Construction Activity (GP-0-20-001). In order to obtain coverage under the General Permit a Stormwater Pollution Prevention Plan (SWPPP) for the site must be prepared following the requirements of the New York State Stormwater Management Design Manual and the New York State Standards and Specifications for Erosion and Sediment Control.

Stormwater practices for this project will be temporary construction measures only. Under SPDES Permit GP-0-20-001, single family residential subdivisions with 25% or less impervious cover at total site building out with a disturbed area less than 5 acres require the preparation of SWPPP that only includes erosion and sediment controls (Appendix A, Table 1 of GP-0-20-001). The temporary measures that will be used on this site for erosion and sediment control include (but are not limited to): stabilized construction entrance, silt fencing, inlet protection and soil stabilization matting.

The NOI, the SWPPP, and any amendments to the SWPPP, as well as any reports required by the SPDES General Permit for Stormwater Discharges from Construction Activity, must also be submitted concurrently to the local governing body and any other authorized agency having jurisdiction or regulatory control over the construction project.

### **C. RESPONSIBILITIES OF THE OWNER**

The owner/operator shall 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. The owner/operator shall identify the contractor(s) and subcontractor(s) that will be responsible for constructing the post-construction stormwater management practices included in the SWPPP. The owner/operator shall have each of the contractors and subcontractors identify at least one person from their company that will be responsible for implementation of the SWPPP. The owner/operator shall ensure that at least one trained contractor is on site on a daily basis when soil disturbance activities are being performed. The owner/operator shall have a qualified inspector conduct site inspections.

### **D. RESPONSIBILITIES OF THE CONTRACTOR**

The contractor shall manage the discharge of stormwater from the site in accordance with the NYSDEC SPDES General Permit for Stormwater Discharges from Construction Activity. The owner shall be responsible for conducting the stormwater management practices in accordance with the permit. The contractor shall be responsible for providing qualified inspectors to conduct the inspections required by the



SWPPP if it becomes a necessity. The contractor shall be responsible for any enforcement action taken or imposed by federal, state, or local agencies, including the cost of fines, construction delays, and remedial actions resulting from the contractor's failure to comply with the permit provisions. It shall be the responsibility of the contractor to make any changes to the SWPPP necessary when the contractor or any of his subcontractors elects to use borrow or fill or material storage sites, either contiguous to or remote from the construction site, when such sites are used solely for this construction site. Such sites are considered to be part of the construction site covered by the permit and this SWPPP. Off-site borrow, fill, or material storage sites which are used for multiple construction projects are not subject to this requirement, unless specifically required by state or local jurisdictional entity regulations. The contractor should consider this requirement in negotiating with earthwork subcontractors, since the choice of an off-site borrow, fill, or material storage site may impact their duty to implement, make changes to, and perform inspections required by the SWPPP for the site.

The SWPPP shall provide forms for both the general contractor and subcontractor(s) identifying the company name, business address and telephone number along with the responsible person for the contractor and all subcontractors' who will implement the measures identified in the SWPPP. **The general contractor shall sign the "General Contractor's Certification" and all subcontractors shall sign the "Subcontractor's Certification",** verifying they have been instructed on how to comply with and fully understand the requirements of the NYSDEC and SWPPP. **This certification must be signed, by a fully qualified individual on behalf of each entity, prior to the beginning of any construction activities and shall be filed in the projects SWPPP.**

The SWPPP is meant to be a working document that shall be maintained at the site of the construction activities at all times throughout the project, shall be readily available upon request by the operator's personnel or NYSDEC or any other agency with regulatory authority over storm water issues, and shall be kept on-site until the site complies with the Final Stabilization section of this document. **A sign or other notice must be posted near the main entrance of the construction site which contains a completed NOI, the location of the SWPPP and the name and phone number of a contact person responsible for scheduling SWPPP viewing times, and any other state specific requirements.**

#### E. NOTICE OF INTENT

The operator has petitioned the NYSDEC for the stormwater discharges during construction at this site to be covered by the NYSDEC SPDES General Permit for Stormwater Discharges from Construction Activity. A **Notice of Intent (NOI)** to be covered under this permit shall be filed by the operator. The signatory on the NOI must sign all documents (i.e., inspection reports) associated with the SWPPP. If the signatory chooses not to sign all documents, he/she must designate a duly authorized representative to sign all relevant documents. This designation must be made in writing and be included in the SWPPP. The duly authorized representative may be either a named individual or any individual occupying a named position. Additionally, the written designation must be submitted to the NYSDEC.

#### F. SWPPP MODIFICATIONS

The contractor should also identify if any revisions to the SWPPP are warranted due to unexpected conditions. The SWPPP is meant to be a dynamic working guide that is to be kept current and amended whenever:

- The NYSDEC provides notification that the SWPPP does not comply with the minimum permit requirements.
- The design, construction, operation, or maintenance of the site changes in a way which significantly affects the potential for the discharge of pollutants or when the plan proves to be ineffective in eliminating or significantly minimizing pollutant discharges
- Within seven (7) calendar days of knowledge of a reportable release.

Any such changes to the SWPPP must be made in writing within seven (7) days of the date such modification or amendment is made. The contractor's failure to monitor or report deficiencies to the



operator will result in the contractor being liable for fines and construction delays resulting from any federal, state, or local agency enforcement action.

#### **G. FINAL STABILIZATION AND TERMINATION OF PERMIT COVERAGE**

A site can be considered stabilized when all soil disturbing activities have been completed and a uniform perennial vegetative cover with a density of 80% over the unpaved areas and areas not covered by permanent structures has been established or equivalent permanent stabilization measures have been established and the facility no longer discharges stormwater associated with construction activities, and a **Notice of Termination** (NOT) form has been filed by the operator(s) with the NYSDEC. Prior to filing of the Notice of Termination, the operator shall have the qualified professional perform a final site inspection. The qualified professional shall certify that the site has undergone final stabilization using either vegetative or structural stabilization methods and that all temporary erosion and sediment controls (such as silt fence) not needed for long-term erosion control have been removed. The filing of the NOT terminates coverage under the General Permit and terminates the contractor's responsibility to implement the SWPPP, but the requirements of the SWPPP, including periodic inspections, must be continued until the NOT is filed. Upon achieving this milestone, the contractor shall also submit "Final Stabilization Certification/Termination Checklist". Final payment and/or the release of any retainer will be withheld until all provisions of the SWPPP have been submitted, completed and accepted by the operator.





## Section II. SITE DESCRIPTION

### A. PROJECT NAME AND LOCATION

Hunter's Ridge Subdivision – Phase 3  
Pauli Drive  
Manlius, NY 13104  
Onondaga County, New York

UTM Coordinates from NYSDEC Interactive Map: E: 420427; N: 4760198  
NYSDEC Region 7

Figure 1 shows the project location on a street map and Figure 2 shows an aerial image of the proposed site in its existing condition.

### B. OWNER/OPERATOR NAME AND ADDRESS

Robert Caron Homes  
7990 Blarney Stone Way  
Manlius, NY 13104

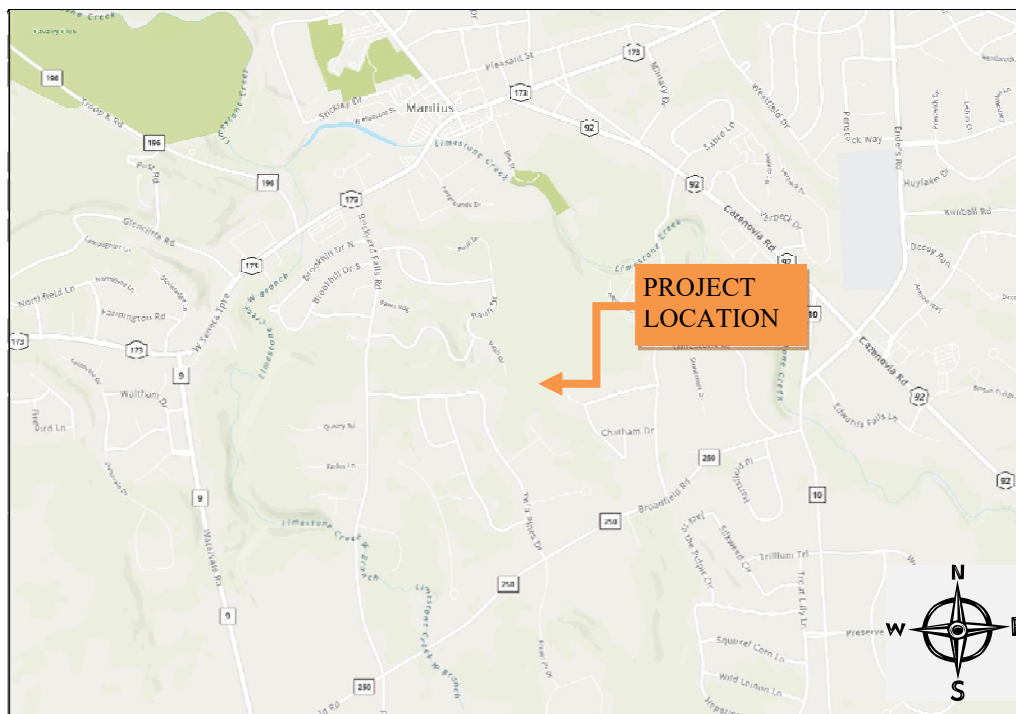


Figure 1: Site Location Map



Figure 2: Proposed Site Aerial Image - Google Earth

### C. PROJECT DESCRIPTION

The ±12.6-acre property is located along Pauli Drive in the Hunter's Ridge Subdivision in the Town of Manlius, Onondaga County, NY. This project consists of the subdivision and construction of 10 single-family home lots. The development will also include necessary amenities such as public road extension/connection, public utilities, and utilization of existing stormwater management facilities. The proposed project consists of 14% impervious surfaces for the full build out and will disturb less than 5 acres of soils as shown in Figure 6. As such, preparation of this SWPPP only includes erosion and sediment control (Appendix B, Table 1 of GP-0-20-001). Furthermore, this project was previously designed for in the master plan of Hunter's Ridge and will have no impact on that past approval, as shown in Appendix D.

### D. RECEIVING WATERS

Runoff from the site generally flows to the west and is tributary to an existing stormwater mitigation basin that was part of this masterplan development constructed in 2000 through 2002. This stormwater management system is ultimately tributary to Limestone Creek. Figure 3 shows the project site location in relation to certain environmental boundaries using the NYS DEC Environmental Resource Mapper. The NYS DEC Environmental Resource Mapper (Figure 3 on the following page) shows that no DEC or Federal regulated wetlands are within the vicinity of the project site.

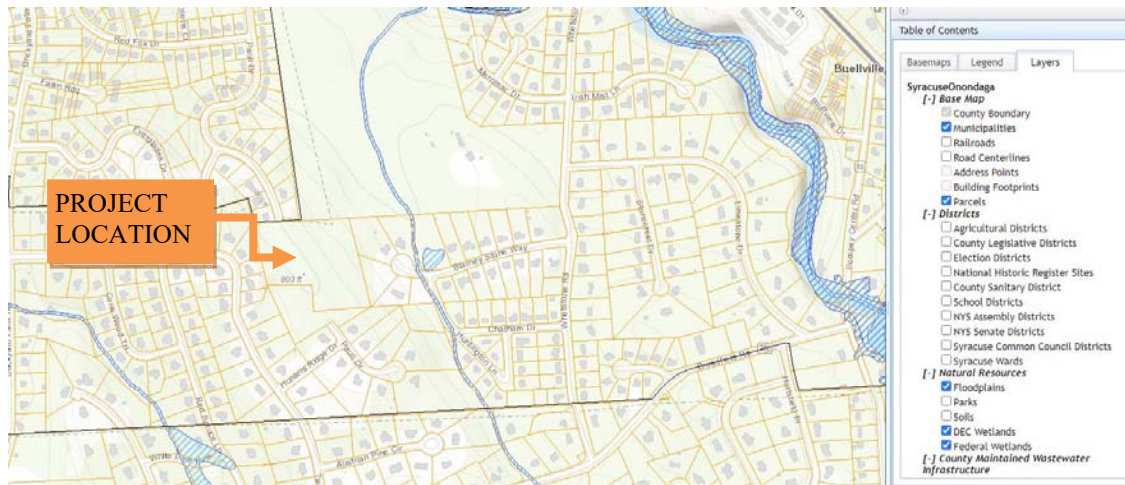


Figure 3: NYSDEC Environmental Resource Mapper (Wetlands)

#### E. ENDANGERED OR THREATENED SPECIES

The NYSDEC Environmental Resource Mapper shows the site is within the check zone for rare plants, animals, or significant natural communities. From the EAF Mapper, this area is sensitive to the Northern Long-eared Bat, therefore there is a seasonal restriction on tree clearing: trees can only be cut down between November 1<sup>st</sup> and April 14<sup>th</sup> in order to protect potential roosting trees.

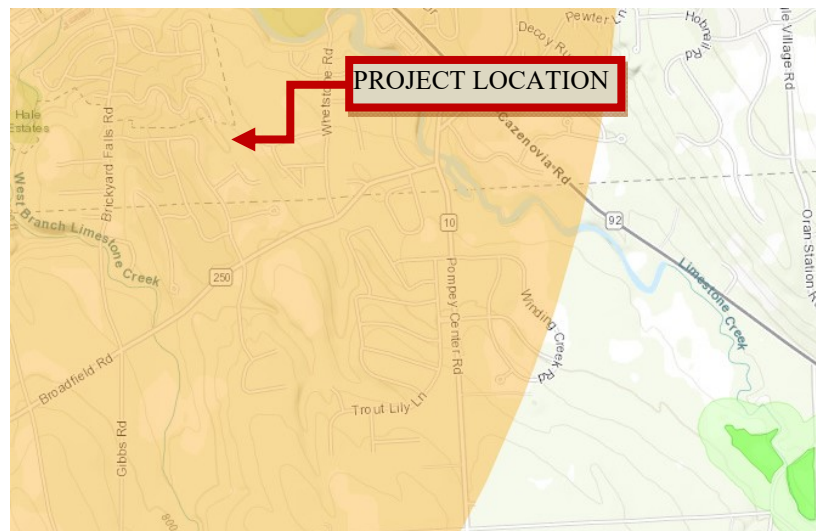


Figure 4: NYS DEC Environmental Resource Mapper (Environmental)





## F. FEDERAL AND STATE HISTORIC PRESERVATION

The SPDES (State Pollutant Discharge Elimination System) GP-0-20-001 requires that the discharge from construction activities shall not influence properties listed as or eligible for listing on the State or National Register of Historic Places. Figure 4 shows the SHPO (State Historic Preservation) map which indicates the project is outside the archeologically sensitive area.

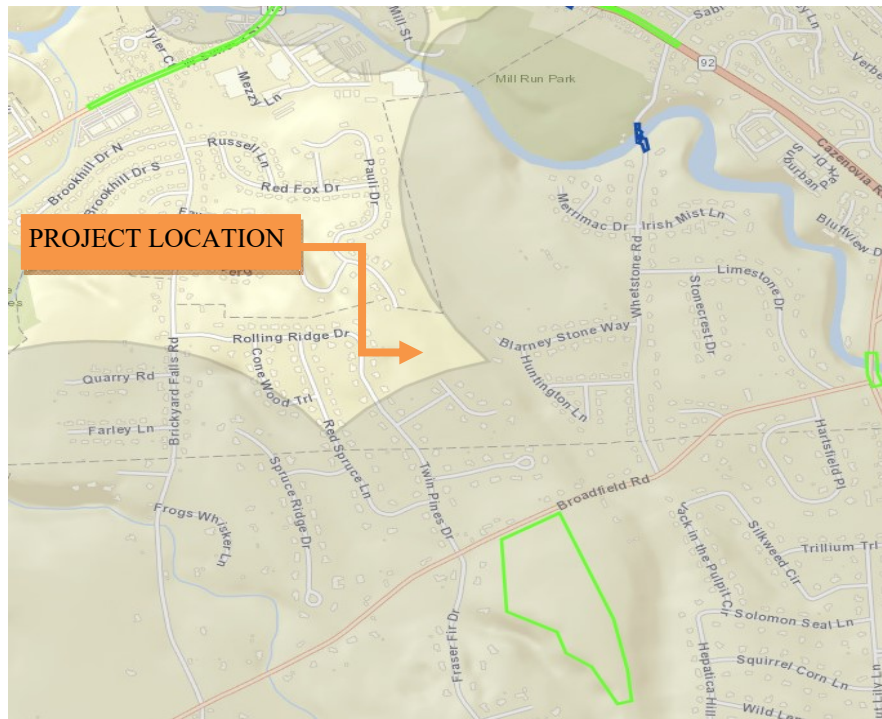
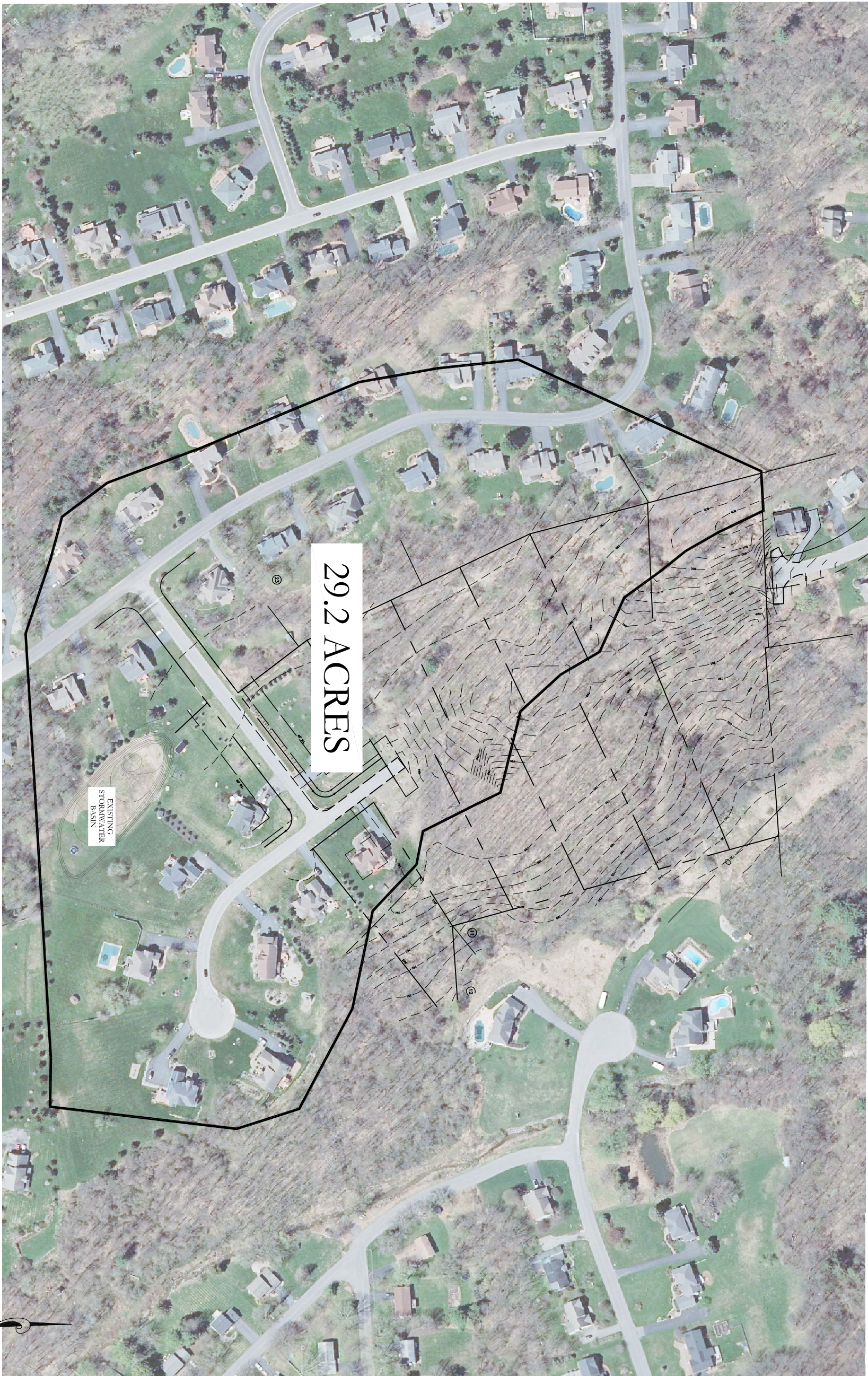


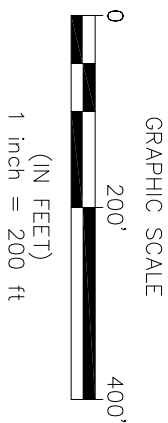
Figure 5: State Historic Preservation Office Map

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1 EXISTING DRAINAGE AREA  
DA SCALE: 1"=200'



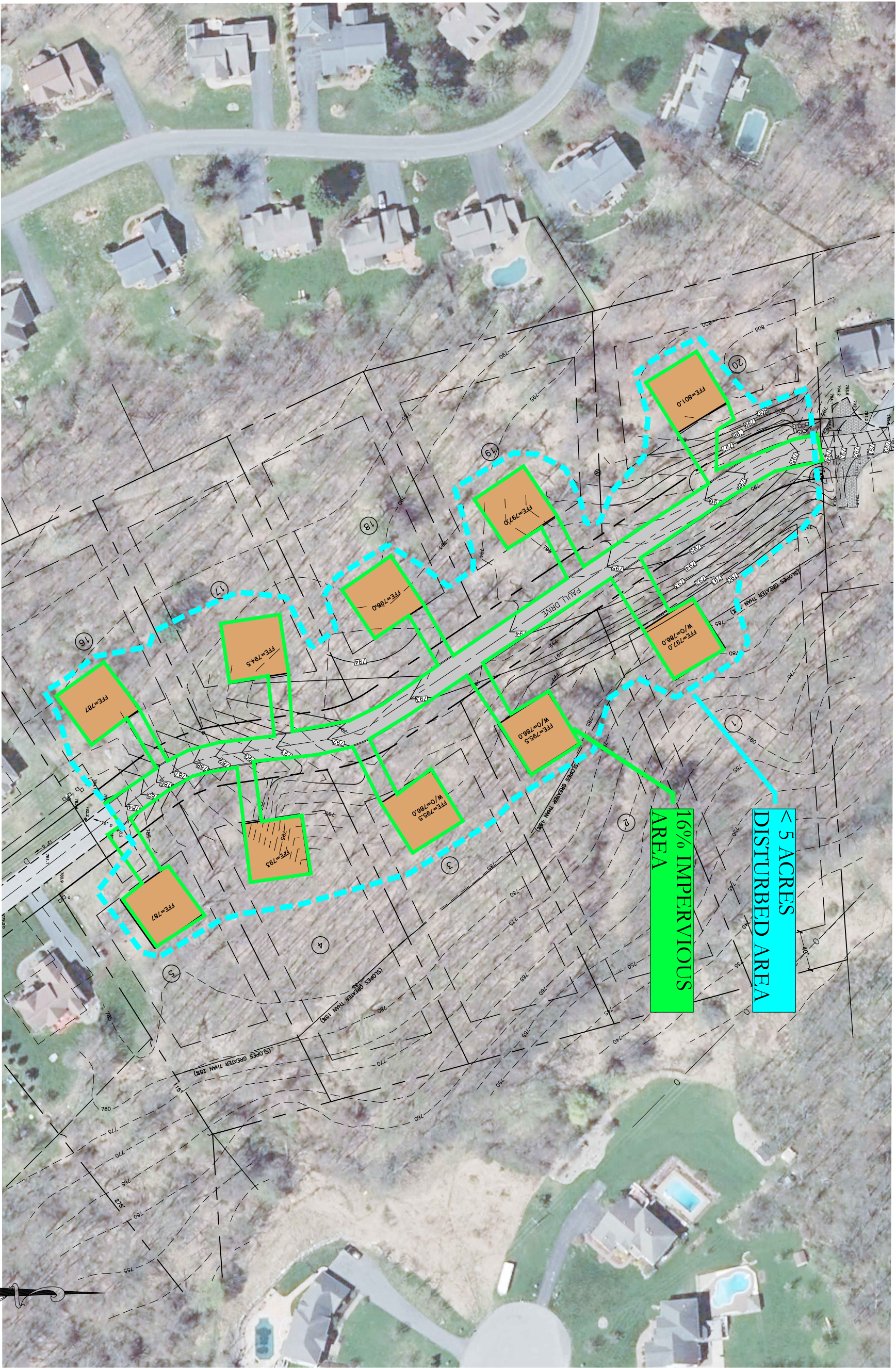
FOR PERMITTING ONLY - NOT FOR CONSTRUCTION

|                               |                                                                                                                                                                                                                                                                                                                    |                                                       |                                                                                                                             |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| PROJECT NO.<br><b>21-1973</b> | PREPARED BY:<br> <b>NAPIERALA CONSULTING</b><br>PROFESSIONAL ENGINEER, P.C.<br>SITE • DESIGN • ENGINEERING<br>110 FAYETTE STREET<br>MANLIUS, NEW YORK 13104<br>email: MNAP@NAPCON.COM<br>PH: (315) 682-5580 FAX: (315) 682-5544 | SHEET TITLE:<br><b>EXISTING DRAINAGE<br/>FIGURE 6</b> | PROJECT TITLE:<br><b>HUNTER'S RIDGE</b><br>TOWN OF MANLIUS<br>ONONDGA CO., NY<br>PREPARED FOR:<br><b>ROBERT CARON HOMES</b> |
| DATE                          |                                                                                                                                                                                                                                                                                                                    |                                                       |                                                                                                                             |
| SCALE<br><b>1"=200'</b>       |                                                                                                                                                                                                                                                                                                                    |                                                       |                                                                                                                             |



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FOR PERMITTING ONLY - NOT FOR CONSTRUCTION

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| PROJECT NO.<br><b>21-1973</b> | <div>PREPARED BY:</div> <div><b>NAPIERALA CONSULTING</b><br/>PROFESSIONAL ENGINEER, P.C.<br/>SITE • DESIGN • ENGINEERING<br/>110 FAYETTE STREET<br/>MANLIUS, NEW YORK 13104<br/>email: MNAP@NAPCON.COM<br/>PH: (315) 682-5580 FAX: (315) 682-5544</div> | SHEET TITLE:<br><br><b>DISTURBED AREA<br/>FIGURE 7</b> | PROJECT TITLE:<br><br><b>HUNTER'S RIDGE</b><br><br>TOWN OF MANLIUS<br>ONONDGA CO., NY |
| DATE                          |                                                                                                                                                                                                                                                                                                                                            |                                                        |                                                                                       |
| SCALE<br><br><b>1"=100'</b>   |                                                                                                                                                                                                                                                                                                                                            |                                                        | PREPARED FOR:<br><br><b>ROBERT CARON HOMES</b>                                        |



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### Section III. STORMWATER MANAGEMENT

#### A. METHODOLOGY

Under SPDES Permit GP-0-20-001, single family residential subdivisions with 25% or less impervious cover at total site build out with a disturbed area less than 5 acres require the preparation of SWPPP that only includes erosion and sediment controls. As a measure of good practice, the developer is proposing to install individual lot rain gardens.

#### B. PROPOSED CONDITIONS

According to the NYS Stormwater Design Manual, Table 5.10 Rain Garden Sizing: Given a 1,000 sf impervious rooftop drainage area, rain gardens are proposed to be 7'x15' (105 sq.ft) with a 12" soil layer depth and a 6" drainage layer depth, with an allowable ponding depth of 6".

Calculate the WQ Volume:

$$WQ_v = \frac{(P)(R_v)(A)}{12}$$

|               |       |                 |
|---------------|-------|-----------------|
| P=            | 0.9   | inches          |
| A=            | 1000  | ft <sup>2</sup> |
| Imp. Surface= | 1000  | ft <sup>2</sup> |
| I=            | 100.0 | %               |
| Rv=           | 0.95  |                 |
| WQv=          | 71.25 | ft <sup>2</sup> |

Solve for drainage layer and soil media storage:

$$V_{SM} = A_{RG} * D_{SM} * P_{SM}$$

$$V_{DL} = A_{RG} * D_{DL}$$

|                   |     |                 |
|-------------------|-----|-----------------|
| A <sub>RG</sub> = | 100 | ft <sup>2</sup> |
| D <sub>SM</sub> = | 1   | ft              |
| D <sub>DL</sub> = | 0.5 | ft              |
| P <sub>SM</sub> = | 0.2 |                 |
| P <sub>DL</sub> = | 0.4 |                 |
| V <sub>SM</sub> = | 20  | ft <sup>2</sup> |
| V <sub>DL</sub> = | 20  | ft <sup>2</sup> |



$$D_{P=0.5} \text{ ft}$$

$$Storage = V_{SM} + V_{DL} + (D_P * A_{RG})$$

$$Storage = 20\text{sf} + 20\text{sf} + (0.5 \text{ ft} \times 100 \text{ sf}) = 90\text{cf}$$

$$W_{QV} \leq V_{SM} + V_{DL} + (D_P * A_{RG})$$

$$71 \text{ ft}^3 \leq 90 \text{ ft}^3$$

Therefore, the proposed design for treating an area of 1,000 sf exceeds the WQv required.



## Section IV. CONTROLS

### A. EROSION AND SEDIMENT CONTROLS

Prior to the commencement of construction, the operator will identify the contractor(s) and subcontractor(s) that will implement each erosion and sediment control measure identified in this SWPPP. All contractors and subcontractors identified in the SWPPP must sign a copy of the certification statement in Part III.E. of the NYS DEC SPDES General Permit for Stormwater Discharges from Construction Activities in accordance with Part V.H. of the SPDES General Permit.

#### 1. Stabilization Practices (Permanent)

Permanent stabilization practices for this site include:

- a. Land clearing activities shall be done only in areas where earthwork will be performed and shall progress as earthwork is needed.
- b. Permanent seeding and planting of all unpaved areas.

#### 2. Stabilization Practices (Temporary) Temporary stabilization practices for this site include:

- a. Temporary seeding and planting of all unpaved areas when construction activity has ceased, or will cease, in an area for 14 days. Seeding mixtures and application rates are listed in the erosion and sediment control notes on the plans.
- b. Mulching exposed areas. Mulching rates are listed in the erosion and sediment control notes on the plan sheet.
- c. Frequent watering to minimize wind erosion during construction.

#### 3. Structural Practices (Permanent) Permanent structural practices for this site include:

- a. Land grading. Land grading is the reshaping of the existing land surface in accordance with a plan as determined by the engineering survey and layout. The purpose of a land grading specification is to provide erosion control and vegetative establishment on areas where the existing land is to be reshaped according to the plan.

#### 4. Structural Practices (Temporary)

Temporary structural practices for this site include:

- a. Silt fence. Silt fence is a temporary barrier of geotextile fabric installed on the contours across from a slope used to intercept sediment laden runoff from small drainage areas of disturbed soil. The purpose of silt fence is to reduce runoff velocity and effect deposition of transported sediment load.
- b. Stabilized construction entrance/exit. A stabilized construction entrance/exit is 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 the stabilized construction entrance is to reduce or eliminate the tracking of sediment onto public rights-of-way or streets
  1. Aggregate size: Use a matrix of one to four-inch stone, or reclaimed or recycled equivalent
  2. Thickness: Not less than six inches
  3. Width: 24-foot minimum
  4. Length: As required, but not less than 50 feet
  5. Geotextile: To be placed over the entire area to be covered with aggregate.
  6. Piping of surface water under entrance shall be provided as necessary.
- c. Concrete washout area. A temporary excavated or above ground lined constructed pit where concrete truck mixers and equipment can be washed after their loads have been discharged to prevent highly alkaline runoff from entering storm drainage systems or leaching into the soil.

1. The washout facility is sized to contain solids, wash water and rainfall. The





maximum size shall be eight feet by eight feet at the bottom and two feet deep. If excavated, then the side slopes shall be 2:1 (horizontal to vertical).

2. The facility shall be located a minimum of 100 feet from drainage swales, storm drain inlets, wetlands, streams, and other surface waters. Surface waters shall be prevented from entering the structure except through the access road. Appropriate access shall be provided with a gravel access road sloped down to the structure. Signs shall be placed to direct drivers to the facility after their load is discharged.
3. All washout facilities will be lined to prevent leaching of liquids into the ground. The liner shall be plastic sheeting with a minimum thickness of 10 mils with no holes or tears, and anchored beyond the top of the pit with an earthen berm, sandbags, stone, or other structural appurtenance except at the access point.

5. Sequence of Major Activities

The contractor will be responsible for implementing the above listed erosion and sediment control practices. The contractor may designate these tasks to certain subcontractors as is seen fit, but the ultimate responsibility for implementing these controls and ensuring their proper function remains with the contractor. The order of activities shall be as follows:

- a. Conduct a preconstruction meeting with all involved parties
- b. Construct temporary construction exits at locations shown on the ESC plan sheet
- c. Install perimeter silt fences in the locations shown on the ESC plan sheet and individual home lots as outlined in the SWPPP.
- d. Site grading work (cuts and fills)
- e. Foundation excavation (building construction to continue concurrently with the remaining site work)
- f. Temporarily stabilize disturbed areas where work will not take place for 14 days
- g. Underground utilities, storm, and sewer installations
- h. Install filter fabric drop inlet protection at all storm inlets
- i. Establish subgrade of asphalt pavement and install subgrade base material
- j. Remove inlet protection no more than 24 hours prior to placing asphalt pavement
- k. Pave roadway
- l. Deep ripping of non-paved areas as required
- m. Final grading, seeding, and planting. All soil shall be restored per table 5.3 of the NYS stormwater design manual (see soil restoration note on contract plans)
- n. Remove silt fence only after all paving is complete and exposed surfaces have achieved >80% stabilization.
- o. Install individual home rain gardens



## **Section V. INSPECTION AND MAINTENANCE REQUIREMENTS**

Best management practices, both construction and operational, must be inspected and maintained on a routine basis to ensure continued compliance with the NYS SPDES General Permit for Stormwater Discharges from Construction Activity. The contractor is responsible for inspecting the erosion and sediment control practices, the operator/owner is responsible for providing a qualified professional, as defined in the SPDES General Permit, to perform the required weekly inspections of the construction site from the time earth-disturbing activities begin until final stabilization is achieved and the Notice of Termination is filed. The contractor will obtain copies of all local and state regulations that are applicable to stormwater management, erosion control, and pollution minimization at this job site and will comply fully with such regulations. The contractor will submit written evidence of such compliance if requested by the operator or any agent of a regulatory body. The contractor will comply with all conditions of the NYSDEC SPDES General Permit for Stormwater Discharges from Construction Activity, including the conditions related to maintaining the SWPPP and evidence of compliance with the SWPPP at the job site and allowing regulatory personnel access to the job site and to records to determine compliance.

### **A. CONSTRUCTION MAINTENANCE/INSPECTION PROCEDURES**

The operator shall maintain a record of all inspection reports in a site logbook. The logbook shall be maintained on site and be made available to the permitting authority upon request. Prior to the commencement of construction, the operator shall certify in the site logbook that the SWPPP, prepared in accordance with Part III.D. of the NYS DEC SPDES General Permit for Discharges from Construction Activities, meets all Federal, State and local erosion and sediment control requirements. The operator shall post at the site, in a publicly accessible location, a summary of the site inspection activities monthly. The following inspection and maintenance practices will be used to maintain erosion and sediment controls and stabilization measures.

1. Inspection and Maintenance Practices
  - a. Inspections shall occur once per seven (7) calendar days.
  - b. At a minimum, the qualified inspector shall inspect all erosion and sediment control practices to ensure integrity and effectiveness, all post-construction stormwater management practices under construction to ensure that they are constructed in conformance with the SWPPP, all areas of disturbance that have not achieved final stabilization, all points of discharge to natural surface water bodies located within or immediately adjacent to the property boundaries of the construction site, and all points of discharge from the construction site.
  - c. The qualified inspector shall prepare an inspection report subsequent to each and every inspection. At a minimum, the inspection report shall include and/or address the following:
    - i. Date and time of inspection;
    - ii. Name and title of person(s) performing inspection;
    - iii. A description of the weather and soil conditions (e.g. dry, wet, saturated) at the time of the inspection;
    - iv. A description of the condition of the runoff at all points of discharge from the construction site. This shall include identification of any discharges of sediment from the construction site. Include discharges from conveyance systems (i.e. pipes, culverts, ditches, etc.) and overland flow;
    - v. A description of the condition of all natural surface water bodies located within, or immediately adjacent to, the property boundaries of the construction site which receive runoff from disturbed areas. This shall include identification of any discharges of sediment to the surface water body;
    - vi. Identification of all erosion and sediment control practices that need repair or maintenance;
    - vii. Identification of all erosion and sediment control practices that were not installed or are not functioning as designed and need to be reinstalled or replaced;
    - viii. Description and sketch of areas that are disturbed at the time of the inspection and areas that have been stabilized (temporarily and/or final) since the last inspection;



- ix. Current phase of construction of all post-construction stormwater management practices and identification of all construction that is not in conformance with the SWPPP and technical standards;
  - x. Corrective action(s) that must be taken to install, repair, replace, or maintain erosion and sediment control practices; and to correct deficiencies identified with the construction of the post-construction stormwater management practice(s); and
  - xi. Digital photographs, with date stamp, that clearly show the condition of all practices that have been identified as needing corrective actions. The qualified inspector shall attach paper color copies of the digital photographs to the inspection report being maintained onsite within seven (7) calendar days of the date of the inspection. The qualified inspector shall also take digital photographs, with date stamp, that clearly show the condition of the practice(s) after the corrective action has been completed. The qualified inspector shall attach paper color copies of the digital photographs to the inspection report that documents the completion of the corrective action work within seven (7) calendar days of that inspection.
- d. Within one business day of the completion of an inspection, the qualified inspector shall email the completed report to the owner, contractor and Town Engineer. The contractor or subcontractor shall begin implementing the corrective actions within one business day of this notification and shall complete the corrective actions in a reasonable time frame.
  - e. All inspection reports shall be signed by the qualified inspector. The inspection reports shall be maintained on the site.
  - f. Erosion and Sediment Control Inspection/Maintenance
    - i. Silt Fence: Silt fence shall be inspected for depth of sediment, tears, etc., to see if the fabric is securely attached to the fence posts, and to see that the fence posts are securely in the ground. Built up sediment will be removed from silt fence when it has reached one-third the height of the fence.
    - ii. Stabilized Construction Entrance/Exit: The entrance shall be maintained in a condition which will prevent tracking of sediment onto public rights-of-way. 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 water courses.
    - iii. Seeding: Temporary and permanent seeding and all other stabilization measures will be inspected for bare spots, washouts, and healthy growth.
2. Inspection and Maintenance Report Forms
- Once installation of any required or optional erosion control device or measure has been implemented, at least once every seven calendar days a Qualified Professional shall inspect each practice. The inspector shall use the forms found in this SWPPP to inventory and report the condition of each measure to assist in maintaining the erosion and sediment control measures in good working order.
  - These report forms shall become an integral part of the SWPPP and shall be made readily accessible to governmental inspection officials, the operator's engineer, and the operator for review upon request during visits to the project site. In addition, copies of the reports shall be provided to any of these persons upon request, via mail or facsimile transmission. Inspection and maintenance report forms are to be maintained by the permittee for three years following the final stabilization of the site.
  - The operator shall also prepare a written summary of its status with respect to compliance with the NYSDEC SPDES General Permit for Stormwater Discharges from Construction Activity at a minimum frequency of every three months during which coverage under the SPDES General Permit exists. The summary should address the status of achieving each component of the SWPPP. The reports shall be signed by the signatory of the NOI or a duly authorized person and be retained at the construction site.





1. Other Record Keeping Requirements

The contractor shall keep the following records related to construction activities at the site:

- Dates when major grading activities occur and the areas which were graded.
- Dates and details concerning the installation of structural controls.
- Dates when construction activities cease in an area.
- Dates when an area is stabilized, either temporarily or permanently.
- Dates of rainfall and the amount of rainfall.
- Dates and descriptions of the character and amount of any spills of hazardous materials.
- Records of reports filed with regulatory agencies if reportable quantities of hazardous materials are spilled.

## **B. OPERATION MAINTENANCE AND INSPECTION PROCEDURES**

Long-term maintenance of the stormwater mitigation basins and swales will be the continued responsibility of the town, as this was a masterplan drainage district.

1. Embankments and emergency spillways will be inspected annually and after major storm events. Items to be inspected include:
  - a. Vegetation and ground cover is adequate to prevent erosion.
  - b. No embankment erosion has occurred.
  - c. No animal burrows into embankments.
  - d. No unauthorized planting.
  - e. No cracking, bulging or sliding of dam.
  - f. Emergency spillway is in good condition, free of silt buildup and debris.
  - g. No leaks or seepage is occurring on downstream face.
  - h. All slope protection and riprap is intact and no failure has occurred.
2. Swales shall be inspected and maintained as follows:
  - a. All channels are free of debris on monthly basis.
  - b. No visible evidence of erosion.
  - c. Mowing shall be performed as needed. Inspect to ensure minimum mowing depth has not been exceeded.
  - d. Dewatering of swales between storms. Inspect monthly or as necessary.
  - e. Inspect swales for sediment deposition annually and clean as necessary.



## **Section VI. MATERIALS MANAGEMENT PLAN**

### **A. MATERIALS COVERED**

The following materials or substances are expected to be present onsite during construction:

|                           |                               |
|---------------------------|-------------------------------|
| Concrete/Additives/Wastes | Cleaning Solvents             |
| Detergents                | Petroleum Based Products      |
| Paints/Solvents           | Pesticides                    |
| Acids                     | Solid and Construction Wastes |
| Sanitary Wastes           | Soil Stabilization Additives  |

### **B. MATERIAL MANAGEMENT PRACTICES**

The following are the material management practices that will be used to reduce the risk of spills or other accidental exposure of materials and substances to stormwater runoff. The job site superintendent will be responsible for ensuring that these procedures are followed.

#### **1. Good Housekeeping**

The following good housekeeping practices will be followed onsite during the construction project.

- a. An effort will be made to store only enough products required to do the job.
- b. All materials stored onsite will be stored in a neat, orderly manner and, if possible, under a roof or in a containment area. At a minimum, all containers will be stored with their lids on when not in use. Drip pans shall be provided under all dispensers.
- c. Products will be kept in their original containers with the original manufacturer's label in legible condition.
- d. Substances will not be mixed with one another unless recommended by the manufacturer.
- e. Whenever possible, all of a product will be used up before disposing of the container.
- f. Manufacturer's recommendations for proper use and disposal will be followed.
- g. The job site superintendent will be responsible for daily inspections to ensure proper use and disposal of materials.

#### **2. Hazardous Products**

These practices will be used to reduce the risks associated with hazardous materials. Material Safety Data Sheets (MSDS's) for each substance with hazardous properties that is used on the job site will be obtained and used for the proper management of potential wastes that may result from these products. An MSDS will be posted in the immediate area where such product is stored and/or used and another copy of each MSDS will be maintained in the SWPPP file at the job site construction trailer office. Each employee who must handle a substance with hazardous properties will be instructed on the use of MSDS sheets and the specific information in the applicable MSDS for the product he/she is using, particularly regarding spill control techniques.

- a. Products will be kept in original containers with the original labels in legible condition.
- b. Original labels and material safety data sheets (MSDS's) will be procured and used for each material.
- c. If surplus product must be disposed of, manufacturer's or local/state/federal recommended methods for proper disposal will be followed.

#### **3. Hazardous Waste**

All hazardous waste materials will be disposed of by the contractor in the manner specified by local, state, and/or federal regulations and by the manufacturer of such products. Site personnel will be instructed in these practices by the job site superintendent, who will also be responsible for seeing that these practices are followed.



#### 4. Product Specific Practices

The following product specific practices will be followed on the job site.

##### a. Petroleum Products

All onsite vehicles will be monitored for leaks and receive regular preventative maintenance to reduce the chance of leakage. Petroleum products will be stored in tightly sealed containers, which are clearly labeled. Any petroleum storage tanks used onsite will have a dike or berm containment structure constructed around it to contain any spills, which may occur. Drip pans shall be provided for all dispensers. Any asphalt substances used onsite will be applied per the manufacturer's recommendations.

##### b. Fertilizers

Due to the onsite public water supply that will be constructed as part of this project, the use of fertilizers is not allowed without the written authorization of the operator. Authorization will be based on the specific product's possible contaminants and impacts to the groundwater.

##### c. Paints, Paint Solvents, and Cleaning Solvents

All containers will be tightly sealed and stored when not in use. Excess paint and solvents will not be discharged to the storm sewer system but will be properly disposed of per manufacturer's instructions or state and federal regulations.

#### 5. Concrete Wastes

Concrete trucks will be allowed to wash out or discharge surplus concrete or drum wash water on the site, but only in either (1) specifically designated area which has been prepared to prevent contact between the concrete and/or washout and stormwater which will be discharged from the site or (2) in locations where waste concrete can be poured into forms to make riprap or other useful concrete products.

The hardened residue from the concrete washout areas will be disposed of in the same manner as other non-hazardous construction waste materials or may be broken up and used on site as deemed appropriate by the contractor. The job site superintendent will be responsible for seeing that these procedures are followed.

All concrete washout areas will be in an area where the likelihood of the area contributing to storm water discharges is negligible. If required, additional BMPs must be implemented to prevent concrete wastes from contributing to storm water discharges.

#### 6. Solid and Construction Wastes

All waste materials will be collected and stored in a securely lidded metal dumpster rented from a local waste management company which must be a solid waste management company licensed to do business in New York State. The dumpster will comply with all local and state solid waste management regulations.

All trash and construction debris from the site will be deposited in the dumpster. The dumpster will be emptied a minimum of twice per week or more often if necessary, and the trash will be hauled to a landfill approved by New York State. No construction waste materials will be buried on site. All personnel will be instructed regarding the correct procedures for waste disposal.

All waste dumpsters and roll-off containers will be in an area where the likelihood of the containers contributing to storm water discharges is negligible. If required, additional BMPs must be implemented, such as sandbags around the base, to prevent wastes from contributing to storm water discharges.

#### 7. Sanitary Wastes

All sanitary waste will be collected from the portable units a minimum of three times per week by a licensed portable facility provider in complete compliance with local and state regulation.

All sanitary waste units will be in an area where the likelihood of the unit contributing to storm water discharges is negligible. If required, additional BMPs must be implemented, such as sandbags around the base, to prevent wastes from contributing to storm water discharges.





## Section VII. SPILL PREVENTION AND RESPONSE PROCEDURES

The contractor will train all personnel in the proper handling and cleanup of spilled materials. No spilled hazardous materials or hazardous wastes will be allowed to come in contact with storm water discharges. If such contact occurs, the storm water discharge will be contained on site until appropriate measures in compliance with state and federal regulations are taken to dispose of such contaminated storm water. It shall be the responsibility of the job site superintendent to properly train all personnel in spill prevention and clean up procedures.

In order to minimize the potential for a spill of hazardous materials to come into contact with storm water, the following steps will be implemented:

1. All materials with hazardous properties (such as pesticides, petroleum products, fertilizers, detergents, construction chemicals, acids, paints, paint solvents, cleaning solvents, additives for soil stabilization, concrete curing compounds and additives, etc.) will be stored in a secure location, with their lids on, preferably under cover, when not in use.
2. The minimum practical quantity of all such materials will be kept on the job site.
3. A spill control and containment kit (containing, for example, absorbent materials, acid neutralizing powder, brooms, dust pans, mops, rags, gloves, goggles, plastic and metal trash containers, etc.) will be provided at the storage site.
4. Manufacturer's recommended methods for spill cleanup will be clearly posted and site personnel will be trained regarding these procedures and the location of the information and cleanup supplies.

In the event of a spill, the following procedures should be followed:

1. All spills will be cleaned up immediately after discovery.
2. The spill area will be kept well ventilated and personnel will wear appropriate protective clothing to prevent injury from contact with the hazardous substances.
3. The project manager and the Engineer of Record will be notified immediately.

Spills of toxic or hazardous materials will be reported to the appropriate federal, state, and/or local government agency, regardless of the size of the spill. Spills of amounts that exceed Reportable Quantities of certain substances specifically mentioned in federal regulations (40 CFR 110, 40 CFR 117, and 40 CFR 302) must be immediately reported to the NYSDEC 24-Hour Spill Hotline at **1-800-457-7362**.

4. If the spill exceeds a Reportable Quantity, the SWPPP must be modified within seven (7) calendar days of knowledge of the discharge to provide a description of the release, the circumstances leading to the release, and the date of the release. The plans must identify measures to prevent the recurrence of such releases and to respond to such releases.

The job site superintendent will be the spill prevention and response coordinator. He will designate the individuals who will receive spill prevention and response training. These individuals will each become responsible for a particular phase of prevention and response. The names of these personnel will be posted in the material storage area and in the office trailer onsite.



## **Section VIII. CONTROL OF NON-STORMWATER DISCHARGES**

Certain types of discharges are allowable under the NYSDEC SPDES General Permit for Stormwater Discharges from Construction Activity, and it is the intent of this SWPPP to allow such discharges. These types of discharges will be allowed under the conditions that no pollutants will be allowed to come in contact with the water prior to or after its discharge. The control measures, which have been outlined previously in this SWPPP, will be strictly followed to ensure that no contamination of these non-stormwater discharges takes place. The following non-storm water discharges are allowed by the NYSDEC and may occur at the job site:

1. Discharges from firefighting activities
2. Fire hydrant flushing
3. Waters to which cleansers or other components have not been added that are used to wash vehicles or control dust
4. Routine external building wash down which does not use detergents
5. Pavement wash waters where spills or leaks of toxic or hazardous materials have not occurred (unless all spilled material has been removed) and where detergents are not used
6. Air conditioning condensate
7. Springs
8. Foundation or footing drains where flows are not contaminated with process materials such as solvents.

## **Section IX. CERTIFICATION AND NOTIFICATION**

The New York State Department of Environmental Conservation requires that the operator and the contractor make certifications of knowledge of the contents of this SWPPP and agreement to follow the SWPPP. The terms of the General Permit also require that each contractor sign the SWPPP plan, thereby making them co-permittees and acknowledging their responsibility for certain operational aspects of the plan. These certifications should be signed before the contractor begins activities and should be filed with the site's SWPPP at the jobsite.

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**APPENDIX A**  
SWPPP Forms  
Notice of Intent  
Notice of Termination  
Contractor Forms

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## 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**

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>The following construction activities that involve soil disturbances of one (1) or more acres of land, but less than five (5) acres:</b></p> <ul style="list-style-type: none"><li>• Single family home <u>not</u> located in one of the watersheds listed in Appendix C or <u>not directly discharging</u> to one of the 303(d) segments listed in Appendix E</li><li>• Single family residential subdivisions with 25% or less impervious cover at total site build-out and <u>not</u> located in one of the watersheds listed in Appendix C and <u>not</u> directly discharging to one of the 303(d) segments listed in Appendix E</li><li>• Construction of a barn or other <i>agricultural building</i>, silo, stock yard or pen.</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <p><b>The following construction activities that involve soil disturbances between five thousand (5000) square feet and one (1) acre of land:</b></p> <p>All construction activities located in the watersheds identified in Appendix D that involve soil disturbances between five thousand (5,000) square feet and one (1) acre of land.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <p><b>The following construction activities that involve soil disturbances of one (1) or more acres of land:</b></p> <ul style="list-style-type: none"><li>• Installation of underground, linear utilities; such as gas lines, fiber-optic cable, cable TV, electric, telephone, sewer mains, and water mains</li><li>• Environmental enhancement projects, such as wetland mitigation projects, stormwater retrofits and stream restoration projects</li><li>• Pond construction</li><li>• Linear bike paths running through areas with vegetative cover, including bike paths surfaced with an impervious cover</li><li>• Cross-country ski trails and walking/hiking trails</li><li>• Sidewalk, bike path or walking path projects, surfaced with an impervious cover, that are not part of residential, commercial or institutional development;</li><li>• Sidewalk, bike path or walking path projects, surfaced with an impervious cover, that include incidental shoulder or curb work along an existing highway to support construction of the sidewalk, bike path or walking path.</li><li>• Slope stabilization projects</li><li>• Slope flattening that changes the grade of the site, but does not significantly change the runoff characteristics</li></ul> |

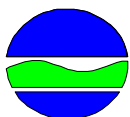


**Table 1 (Continued) CONSTRUCTION ACTIVITIES THAT REQUIRE THE PREPARATION OF A SWPPP  
THAT ONLY INCLUDES EROSION AND SEDIMENT CONTROLS**

**The following construction activities that involve soil disturbances of one (1) or more acres of land:**

- Spoil areas that will be covered with vegetation
- Vegetated open space projects (i.e. recreational parks, lawns, meadows, fields, downhill ski trails) excluding projects that *alter hydrology from pre to post development* conditions,
- Athletic fields (natural grass) that do not include the construction or reconstruction of *impervious area* and do not *alter hydrology from pre to post development* conditions
- Demolition project where vegetation will be established, and no redevelopment is planned
- Overhead electric transmission line project that does not include the construction of permanent access roads or parking areas surfaced with *impervious cover*
- Structural practices as identified in Table II in the “Agricultural Management Practices Catalog for Nonpoint Source Pollution in New York State”, excluding projects that involve soil disturbances of greater than five acres and construction activities that include the construction or reconstruction of impervious area
- Temporary access roads, median crossovers, detour roads, lanes, or other temporary impervious areas that will be restored to pre-construction conditions once the construction activity is complete

# NOTICE OF INTENT



**New York State Department of Environmental Conservation**

## Division of Water

**625 Broadway, 4th Floor**

**Albany, New York 12233-3505**

**NYR**

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(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)

[illegible]

Owner/Operator Contact Person Last Name (NOT CONSULTANT)

[illegible]

Owner/Operator Contact Person First Name

[illegible]

Owner/Operator Mailing Address

[illegible]

City

[illegible]

State

Zip

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Phone (Owner/Operator)

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Fax (Owner/Operator)

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Email (Owner/Operator)

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FED TAX ID

-  (not required for individuals)

## Project Site Information

Project/Site Name

H u n t e r ' s   R i d g e   -   P h a s e   3

Street Address (NOT P.O. BOX)

P a u l i   D r i v e

Side of Street

☐ North ☐ South ☒ East ☐ West

City/Town/Village (THAT ISSUES BUILDING PERMIT)

T o w n   o f   M a n l i u s

State   Zip

N Y

1 3 1 0 4 -

County

O N o n d a g a

DEC Region

7

Name of Nearest Cross Street

H u n t e r s   R i d g e   D r i v e

Distance to Nearest Cross Street (Feet)

2 0 0

Project In Relation to Cross Street

☒ North ☐ South ☐ East ☐ WestTax Map Numbers  
Section-Block-Parcel

1 1 1 - 0 2 - 0 9 . 5

Tax Map Numbers

1. Provide the Geographic Coordinates for the project site in NYTM Units. To do this you must go to the NYSDEC Stormwater Interactive Map on the DEC website at:

[www.dec.ny.gov/imsmaps/stormwater/viewer.htm](http://www.dec.ny.gov/imsmaps/stormwater/viewer.htm)

Zoom into your Project Location such that you can accurately click on the centroid of your site. Once you have located your project site, go to the tool boxes on the top and choose "i"(identify). Then click on the center of your site and a new window containing the X, Y coordinates in UTM will pop up. Transcribe these coordinates into the boxes below. For problems with the interactive map use the help function.

X Coordinates (Easting)

4 2 0 4 2 7

Y Coordinates (Northing)

4 7 6 0 0 1 1 9 9 8 8

2. What is the nature of this construction project?

☒ New Construction☐ Redevelopment with increase in impervious area☐ Redevelopment with no increase in impervious area





[illegible][illegible]

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)

[illegible]

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

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.**

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?  
     .

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

Page 4 of 14

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?

[illegible]

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

[illegible]

SWPPP Preparer

[illegible]

Contact Name (Last, Space, First)

[illegible]

## Mailing Address

[illegible]

City

[illegible]

State Zip

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Phone

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Email

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## 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**

[illegible]

MI

H

**Last Name**

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**Signature**

**Date**





/







/

☒ 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

**Other**

[illegible]

## 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

### 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)

| RR Techniques (Area Reduction)                                                        | Total Contributing<br>Area (acres)                                                                                              | Total Contributing<br>Impervious Area (acres)                                                                                          |
|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> Conservation of Natural Areas (RR-1) ...                     | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/> | and/or <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/> |
| <input type="checkbox"/> Sheetflow to Riparian<br>Buffers/Filters Strips (RR-2) ..... | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/> | and/or <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/> |
| <input type="checkbox"/> Tree Planting/Tree Pit (RR-3) .....                          | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/> | and/or <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/> |
| <input type="checkbox"/> Disconnection of Rooftop Runoff (RR-4) ..                    | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/> | and/or <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/> |
| <b>RR Techniques (Volume Reduction)</b>                                               |                                                                                                                                 |                                                                                                                                        |
| <input type="checkbox"/> Vegetated Swale (RR-5) .....                                 | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/>        |
| <input type="checkbox"/> Rain Garden (RR-6) .....                                     | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/>        |
| <input type="checkbox"/> Stormwater Planter (RR-7) .....                              | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/>        |
| <input type="checkbox"/> Rain Barrel/Cistern (RR-8) .....                             | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/>        |
| <input type="checkbox"/> Porous Pavement (RR-9) .....                                 | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/>        |
| <input type="checkbox"/> Green Roof (RR-10) .....                                     | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/>        |
| <b>Standard SMPs with RRv Capacity</b>                                                |                                                                                                                                 |                                                                                                                                        |
| <input type="checkbox"/> Infiltration Trench (I-1) .....                              | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/>        |
| <input type="checkbox"/> Infiltration Basin (I-2) .....                               | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/>        |
| <input type="checkbox"/> Dry Well (I-3) .....                                         | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/>        |
| <input type="checkbox"/> Underground Infiltration System (I-4) .....                  | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/>        |
| <input type="checkbox"/> Bioretention (F-5) .....                                     | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/>        |
| <input type="checkbox"/> Dry Swale (O-1) .....                                        | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/>        |
| <b>Standard SMPs</b>                                                                  |                                                                                                                                 |                                                                                                                                        |
| <input type="checkbox"/> Micropool Extended Detention (P-1) .....                     | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/>        |
| <input type="checkbox"/> Wet Pond (P-2) .....                                         | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/>        |
| <input type="checkbox"/> Wet Extended Detention (P-3) .....                           | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/>        |
| <input type="checkbox"/> Multiple Pond System (P-4) .....                             | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/>        |
| <input type="checkbox"/> Pocket Pond (P-5) .....                                      | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/>        |
| <input type="checkbox"/> Surface Sand Filter (F-1) .....                              | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/>        |
| <input type="checkbox"/> Underground Sand Filter (F-2) .....                          | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/>        |
| <input type="checkbox"/> Perimeter Sand Filter (F-3) .....                            | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/>        |
| <input type="checkbox"/> Organic Filter (F-4) .....                                   | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/>        |
| <input type="checkbox"/> Shallow Wetland (W-1) .....                                  | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/>        |
| <input type="checkbox"/> Extended Detention Wetland (W-2) .....                       | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/>        |
| <input type="checkbox"/> Pond/Wetland System (W-3) .....                              | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/>        |
| <input type="checkbox"/> Pocket Wetland (W-4) .....                                   | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/>        |
| <input type="checkbox"/> Wet Swale (O-2) .....                                        | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/>        |



[illegible]

**Total Contributing  
Impervious Area(acres)**

|                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| <input type="checkbox"/> Hydrodynamic .....                                                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <input type="checkbox"/> Wet Vault .....                                                                                                                                                                                                                                                                            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <input type="checkbox"/> Media Filter .....                                                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <input type="checkbox"/> Other <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table> ..... |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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30. Indicate the Total RRv provided by the RR techniques (Area/Volume Reduction) and Standard SMPs with RRv capacity identified in question 29.

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**acre-feet**

☐ Yes    ☐ No

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**acre-feet**

☐ Yes ☐ No

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

- ☐ 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

☐ **Yes**      ☐ **No**

If Yes, Identify the entity responsible for the long term  
Operation and Maintenance

[illegible]

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 

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- ☐ Other 

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☒ None

41. Does this project require a US Army Corps of Engineers Wetland Permit?

☐ Yes ☒ No

If Yes, Indicate Size of Impact.

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42. Is this project subject to the requirements of a regulated, traditional land use control MS4?  
(If No, skip question 43)

☒ Yes ☐ No

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.

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| N | Y | R |  |  |  |  |  |  |  |
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**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**

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**Print Last Name**

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**Owner/Operator Signature**

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**Date**

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**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)



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**STORMWATER POLLUTION PREVENTION PLAN  
GENERAL CONTRACTOR'S CERTIFICATION**

**Construction Site:**

STORMWATER POLLUTION PREVENTION PLAN

**GENERAL CONTRACTOR'S CERTIFICATION:**

"I certify under penalty of law that I understand and agree to comply with the terms and conditions of the SWPPP for the construction site identified in such SWPPP as a condition of authorization to discharge stormwater. I also understand that the operator must comply with the terms and conditions 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."

Name: \_\_\_\_\_  
(Print)

Signature: \_\_\_\_\_

Title: \_\_\_\_\_

Company Name: \_\_\_\_\_

Address: \_\_\_\_\_

Telephone Number: \_\_\_\_\_

Date: \_\_\_\_\_

Scope of Services: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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**STORMWATER POLLUTION PREVENTION PLAN  
SUBCONTRACTOR'S CERTIFICATION**

**Construction Site:**

STORMWATER POLLUTION PREVENTION PLAN

**SUBCONTRACTOR'S CERTIFICATION:**

NYS-DEC SPDES General Permit Contractor's Certification Statement

"I certify under penalty of law that I understand and agree to comply with the terms and conditions of the SWPPP for the construction site identified in such SWPPP as a condition of authorization to discharge stormwater. I also understand that the operator must comply with the terms and conditions 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."

Name: \_\_\_\_\_  
(Print)

Signature: \_\_\_\_\_

Title: \_\_\_\_\_

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Address: \_\_\_\_\_

Telephone Number: \_\_\_\_\_

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Scope of Services: \_\_\_\_\_  
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## **APPENDIX B**

### Erosion and Sediment Control Measures For Individual Lot Construction

**APPENDIX D**

**EROSION & SEDIMENT CONTROL PLAN**

**FOR SMALL HOMESITE CONSTRUCTION**

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Appendix prepared by:

Paula Smith, CPESC, CPSWQ  
Former Stormwater Management Specialist  
New York State Department of Environmental  
Conservation, Region 8 and the NYS DEC General  
Permits Section Staff, Central Office, Albany



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| D.4           | Erosion Control Plan Condition 4 .....                                         | D.9         |
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# EROSION AND SEDIMENT CONTROL PLAN FOR SMALL HOMESITE CONSTRUCTION

## Definition

Small homesite erosion and sediment control plans are a group of minimum erosion and sediment control practices and management techniques that apply to small homesite construction activity on a single residential lot, in order to prevent polluted discharge.

## Purpose

This appendix lays out a series of minimum requirements for erosion and sediment control, and management practices that may be used to meet these requirements. Use of these templates will help show compliance with the general requirements for construction activities that require basic stormwater pollution prevention plans (SWPPP). This applies to the construction of small homesites. The owner/developer must complete the relevant conditions (1-4), or small parcel erosion and sediment control plan included in this section, and submit the NOI in order to meet compliance with the SPDES General Permit for Stormwater Discharges From Construction Activities.

## Criteria

Generally, several types of practices are required on any one site for effective erosion and sediment control. There are three broad categories of construction-related practices for controlling erosion and sediment on small homesite developments:

1. **Cover practices** prevent erosion by protecting the soil surface from rainfall and runoff. Prevention of erosion is the most preferable and cost-effective approach. These practices include: protection of existing vegetation; temporary covering of exposed soil by mulching, matting, or covering; and permanent site stabilization by topsoiling, seeding, and/or sodding.
2. **Structural Practices** are structural controls that either reduce erosion, control runoff, or keep sediment on the construction site. Examples of these practices include stabilized construction entrances, silt fences, sediment traps, berms, and check dams.
3. **Management Measures** are construction management methods that prevent or reduce erosion potential and ensure the proper functioning of erosion and sediment control practices. Careful construction management can dramatically reduce the costs associated with erosion and sediment problems. Examples of these management measures include:
  - Preserving existing trees and grass where possible

to prevent erosion;

- Decompacting and re-vegetating the site as soon as possible;
- Locating soil piles away from roads or waterways;
- Limiting tracking of mud onto streets by requiring all vehicles to use designated access drives;
- Removing sediment carried off-site by vehicles or storms;
- Installing downspout extenders to prevent erosion from roof runoff; and
- Maintaining erosion and sediment practices through sediment removal, structure replacement, etc.

## Specifications

Each construction site is different. The owner/developer of a small construction site may choose and follow one of the four variations of ESC plans included in this section to develop a SWPPP in compliance with the SPDES Construction Permit For Stormwater Discharges From Construction Activities. However, because of the general nature of the following conditions, **the plans included in this section may not cover all of the resource protection needs on a particular site, and this form does not exempt an owner from the responsibility of filing an NOI, if required.**

## Small Homesite Minimum Requirements:

### **1. Stabilized Construction Entrance:**

To prevent vehicles and equipment from tracking sediment and mud off-site, apply gravel or crushed rock to the driveway area and restrict traffic to this one route. This practice will help keep soil from sticking to tires and stop soil from washing off into the street. Carry out periodic inspections and maintenance including washing, top-dressing with additional stone, reworking, and compaction. Plan for periodic street cleaning to remove any sediment that may have been tracked off-site. Remove sediment by shoveling or sweeping and transport to a suitable disposal area where it can be stabilized.

### **2. Stabilization of Denuded Areas:**

In areas where soil disturbance activity has temporarily or permanently ceased, the application of soil stabilization measures must be initiated by the end of the next business day and completed within fourteen (14) days from the date the current soil disturbance activity ceased. For construction sites that directly discharge to one of the 303 (d) segments listed in the Construction General Permit or is

located in one of the watersheds listed in Appendix C, the application of soil stabilization measures must be initiated by the end of the next business day and completed within seven (7) days from the date the current soil disturbance activity ceased.

Stabilize disturbed areas by implementing soil covering practices (e.g. mulching, matting, sodding). Exposed soils are the most prone to erosion from rainfall and runoff. Vegetation helps protect the soil from these forces and provides natural erosion control. Plan construction to limit the amount of exposed area, and avoid grading activities during the rainy season (November through March) as much as possible. Clearing limits should be clearly marked and kept as small as possible. Once construction is completed, the site must be permanently stabilized with topsoiling, seeding and plantings, or sodding if needed.

### **3. Protection of Adjacent Properties:**

Keep sediment on-site by using structural and source control practices (e.g. vegetative buffer strips, sediment barriers, soil berms or dikes, etc). See Sections 3, 4, or 5 as appropriate. Wherever possible, preserve a buffer of existing vegetation around the site boundary. This will help to decrease runoff velocities and trap sediment suspended in the runoff. Other structural controls such as filter fence or straw bale barriers should also be used to filter runoff and trap sediment on-site.

When excavating basement soils, move the soil to a location that is, or will be, vegetated, such as in the backyard or side yard area. This will increase the distance eroded soil must travel, through vegetation, to reach the storm sewer system. Piles should be situated so that sediment does not run into the street or adjoining yards. Soil piles should be temporarily seeded and circled with silt fence until the soil is either replaced or removed. Backfill basement walls as soon as possible and rough grade the lot. This will eliminate the large soil mounds, which are highly erodible, and prepare the lot for temporary cover. After backfilling, grade or remove excess soil from the site quickly, to eliminate any sediment loss from surplus fill.

### **4. Concentrated Flow:**

For constructed drainage ways, or other areas of concentrated flow, install check dams according to the specifications on page E.12 to reduce erosion in the channel. As with other erosion controls, check dams must be inspected regularly. Remove sediment accumulated behind the dam as needed to allow channel to drain through the stone check dam and prevent large flows from carrying sediment over the dam. Replace stones as needed to maintain the design cross section of the structures. Sediment removal is crucial to the effectiveness of the

dam—if not maintained, high flows could cause erosion around the sides of the structures, adding significant sediment loads downstream.

### **5. Maintenance:**

Maintain erosion and sediment control practices through regular inspection. Regular maintenance is extremely important for the proper operation of structural practices. After initial groundbreaking, the responsible contractor shall conduct daily maintenance inspections within the active work area to ensure practices are being maintained in effective operating conditions at all times.

### **6. Soil Restoration:**

Soils that have been disturbed and compacted due to construction activities should be de-compacted to restore their previous hydrologic condition. This normally involves aeration of small areas for home sites. Large areas should be restored in accordance with the Soil Restoration standard in Section 4 of this book of standards.

### **7. Other Practices:**

Use additional practices as required by the local plan approval authority to mitigate effects of increased runoff. This may include providing additional controls to a locally protected stream or resource area, protecting riparian corridors (vegetative stream buffers), etc. Individual homeowners and/or developers are responsible for researching additional requirements related to erosion and sediment runoff control established by their local jurisdictions.

**Figure D.1**  
**Erosion Control Plan Condition 1**

|                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>EROSION CONTROL PLAN LEGEND</b><br>——— PROPERTY LINE<br>- - - EXISTING DRAINAGE<br>- - - FINISHED DRAINAGE<br>- - - LIMITS OF GRADING<br>●—● STRAW BALES<br>■—■ SILT FENCE<br>① VEGETATION SPECIFICATION<br>* TREE PRESERVATION<br>STOCKPILED SOIL<br>GRAVEL                                                                                                                                                             | <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> </div> <div style="width: 45%;"> <p><b>NOTES:</b></p> <p>1. On moderate slopes, up to 8 percent, silt fence and straw bales may be used interchangeably.</p> <p>2. Slopes exceeding 25 percent shall have silt fence backed by straw bales for support.</p> <p>3. Use additional practices as required by the local plan approval authority to mitigate effects of post construction runoff.</p> </div> </div> <div style="margin-top: 20px;"> <p>3. Use additional practices as required by local code enforcement or as needed to mitigate water quality impacts.</p> </div> |
| <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p align="center"><b>NEW YORK STATE DEPARTMENT OF TRANSPORTATION,<br/>NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION,<br/>NEW YORK STATE SOIL &amp; WATER CONSERVATION COMMITTEE</b></p> </div> <div style="width: 45%; text-align: right;"> <p align="right"><b>EROSION CONTROL<br/>PLAN CONDITION 1</b></p> </div> </div> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

|                              |                                 |        |
|------------------------------|---------------------------------|--------|
| <b>STREET</b>                | <b>EXISTING CURB AND GUTTER</b> |        |
| PROJECT LOCATION:            | PROPERTY OWNER:                 |        |
| ANTICIPATED STARTING DATE:   | CONTRACTOR:                     |        |
| ANTICIPATED COMPLETION DATE: | SOIL TYPE:                      | SLOPE: |

# Condition 1—Vegetative Requirements & Compliance Form

## Vegetation Requirements:

### 1) Site Preparation

- A. Install needed water and erosion control measures and bring area to be seeded to desired grades using a minimum of 4 in. topsoil.
- B. Prepare seedbed by loosening soil to a depth of 4-6 inches.
- C. Lime to a pH of 6.5
- D. Fertilize as per soil test or, if fertilizer must be applied before soil test results are received, apply 850 pounds of 5-10-10 or equivalent per acre (20 lbs/1,000 sq. ft.)
- E. Incorporate lime and fertilizer in top 2-4 inches of topsoil.
- F. Smooth. Remove all stones over 1 inch in diameter, sticks, and foreign matter from the surface. Firm the seedbed.

### 2) Planting—Sunny Location.

Upon completing soil de-compaction, 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 hydroseeded, lime and fertilizer may be applied through the seeder and rolling is not practical. Seed using the following mix and rates:

| Species (% by weight)                       | lbs/1,000sq. ft | lbs./acre |
|---------------------------------------------|-----------------|-----------|
| 65% Kentucky bluegrass blend.....           | 2.0-2.6.....    | 85-114    |
| 20% perennial ryegrass.....                 | 0.6-0.8.....    | 26-35     |
| 15% fine fescue.....                        | 0.4-0.6.....    | 19-26     |
| Total.....                                  | 3.0-4.0.....    | 130-175   |
| or,                                         |                 |           |
| 100% Tall fescue, Turf-type, fine leaf..... | 3.4-4.6.....    | 150-200   |

- 3) When using the cultipacker or broadcast seed method, mulch using small grain straw, applied at a rate of 2 tons per acre; and anchor with a netting or tackifier. Hydroseed applications should include mulch, fertilizer and seed.

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. Fertilizing—First year, (spring seedlings) three to four weeks after germination apply 1 pound nitrogen/1,000 square feet using a complete fertilizer with a 2-1-1 or 4-1-3 ratio or as recommended by soil test results. For summer and early fall seedings, apply as above unless air temperatures are above 85°F for extended period. Wait until heat wave is over to fertilize. For late fall/ winter seedings, fertilize in spring. Restrict use—new seedlings should be protected from use for one full year to allow development of a dense sod with good root structure.

## Certification Statement

Please complete and sign this 2-sided document (with Typical Erosion Control Plan) and attach to BLUEPRINTS and SITE PLAN prior to any earth disturbance. These documents must be kept on site and be available for review as requested by any agent of the NYSDEC. **This 2-sided form can be used as a basic stormwater pollution prevention plan, but will not exempt a landowner from filing a Notice of Intent.**

"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 inspectors during a site inspection. I also understand that the owner or operator must comply with the term 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 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 know violations."

Builder/Contractor (print)

Signature

Address



**Figure D.2**  
**Erosion Control Plan Condition 2**

|                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                              |                   |                 |  |                            |             |  |                              |            |        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-----------------|--|----------------------------|-------------|--|------------------------------|------------|--------|
| <p><b>EROSION CONTROL PLAN LEGEND</b></p> <p>PROPERTY LINE</p> <p>EXISTING DRAINAGE</p> <p>FINISHED DRAINAGE</p> <p>LIMITS OF GRADING</p> <p>STRAW BALES</p> <p>SILT FENCE</p> <p>VEGETATION SPECIFICATION</p> <p>TREE PRESERVATION</p> <p>STOCKPILED SOIL</p> <p>GRAVEL</p>                                                                                                        | <p>The diagram shows a property layout with a 'HOUSE' and a 'GARAGE'. A 'STABILIZED CONSTRUCTION ENTRANCE' is shown leading to an 'EXISTING STREET'. The plan includes various erosion control features like silt fences, straw bales, and vegetation. A note indicates that slopes exceeding 25 percent shall have silt fence backed by straw bales for support. The plan also shows a 'Placed on the Contour' area and a 'STREET'.</p> | <p><b>NOTES:</b></p> <p>1. On moderate slopes, up to 8 percent, silt fence and straw bales may be used interchangeably.</p> <p>2. Slopes exceeding 25 percent shall have silt fence backed by straw bales for support.</p> <p>3. Use additional practices as required by the local plan approved by the local authority to mitigate effects of post construction runoff.</p> |                   |                 |  |                            |             |  |                              |            |        |
| <p align="center"><b>EXISTING CURB AND GUTTER</b></p>                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                              |                   |                 |  |                            |             |  |                              |            |        |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">PROJECT LOCATION:</td> <td style="width: 33%;">PROPERTY OWNER:</td> <td style="width: 34%;"></td> </tr> <tr> <td>ANTICIPATED STARTING DATE:</td> <td>CONTRACTOR:</td> <td></td> </tr> <tr> <td>ANTICIPATED COMPLETION DATE:</td> <td>SOIL TYPE:</td> <td>SLOPE:</td> </tr> </table> |                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                              | PROJECT LOCATION: | PROPERTY OWNER: |  | ANTICIPATED STARTING DATE: | CONTRACTOR: |  | ANTICIPATED COMPLETION DATE: | SOIL TYPE: | SLOPE: |
| PROJECT LOCATION:                                                                                                                                                                                                                                                                                                                                                                   | PROPERTY OWNER:                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                              |                   |                 |  |                            |             |  |                              |            |        |
| ANTICIPATED STARTING DATE:                                                                                                                                                                                                                                                                                                                                                          | CONTRACTOR:                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                              |                   |                 |  |                            |             |  |                              |            |        |
| ANTICIPATED COMPLETION DATE:                                                                                                                                                                                                                                                                                                                                                        | SOIL TYPE:                                                                                                                                                                                                                                                                                                                                                                                                                               | SLOPE:                                                                                                                                                                                                                                                                                                                                                                       |                   |                 |  |                            |             |  |                              |            |        |
| <p>NEW YORK STATE DEPARTMENT OF TRANSPORTATION,<br/>NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION,<br/>NEW YORK STATE SOIL &amp; WATER CONSERVATION COMMITTEE</p>                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                          | <p align="center"><b>EROSION CONTROL PLAN CONDITION 2</b></p>                                                                                                                                                                                                                                                                                                                |                   |                 |  |                            |             |  |                              |            |        |

## Condition 2—Vegetative Requirements & Compliance Form

### Vegetation Requirements:

#### 1) Site Preparation

- A. Install needed water and erosion control measures and bring area to be seeded to desired grades using a minimum of 4 in. topsoil.
- B. Prepare seedbed by loosening soil to a depth of 4-6 inches.
- C. Lime to a pH of 6.5
- D. Fertilize as per soil test or, if fertilizer must be applied before soil test results are received, apply 850 pounds of 5-10-10 or equivalent per acre (20 lbs/1,000 sq. ft.)
- E. Incorporate lime and fertilizer in top 2-4 inches of topsoil.
- F. Smooth. Remove all stones over 1 inch in diameter, sticks, and foreign matter from the surface. Firm the seedbed.

#### 2) Planting—Sunny Location.

Upon completing soil de-compaction, 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 hydroseeded, lime and fertilizer may be applied through the seeder and rolling is not practical. Seed using the following mix and rates:

| <b>Species (% by weight)</b>                | <b>lbs/1,000sq. ft</b> | <b>lbs./acre</b> |
|---------------------------------------------|------------------------|------------------|
| 65% Kentucky bluegrass blend.....           | 2.0-2.6.....           | 85-114           |
| 20% perennial ryegrass.....                 | 0.6-0.8.....           | 26-35            |
| 15% fine fescue.....                        | 0.4-0.6.....           | 19-26            |
| Total.....                                  | 3.0-4.0.....           | 130-175          |
| or,                                         |                        |                  |
| 100% Tall fescue, Turf-type, fine leaf..... | 3.4-4.6.....           | 150-200          |

- 3) When using the cultipacker or broadcast seed method, mulch using small grain straw, applied at a rate of 2 tons per acre; and anchor with a netting or tackifier. Hydroseed applications should include mulch, fertilizer and seed.

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. Fertilizing—First year, (spring seedlings) three to four weeks after germination apply 1 pound nitrogen/1,000 square feet using a complete fertilizer with a 2-1-1 or 4-1-3 ratio or as recommended by soil test results. For summer and early fall seedings, apply as above unless air temperatures are above 85°F for extended period. Wait until heat wave is over to fertilize. For late fall/ winter seedings, fertilize in spring. Restrict use—new seedlings should be protected from use for one full year to allow development of a dense sod with good root structure.

### Certification Statement

Please complete and sign this 2-sided document (with Typical Erosion Control Plan) and attach to BLUEPRINTS and SITE PLAN prior to any earth disturbance. These documents must be kept on site and be available for review as requested by any agent of the NYSDEC. **This 2-sided form can be used as a basic stormwater pollution prevention plan, but will not exempt a landowner from filing a Notice of Intent.**

"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 inspectors during a site inspection. I also understand that the owner or operator must comply with the term 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 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 know violations."

Builder/Contractor (print)

Signature

Address

**Figure D.3**  
**Erosion Control Plan Condition 3**

|                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                |                                             |  |                            |             |  |                              |            |        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|--|----------------------------|-------------|--|------------------------------|------------|--------|
| <p><b>EROSION CONTROL PLAN LEGEND</b></p> <p>— — — — — PROPERTY LINE</p> <p>— — — — — EXISTING DRAINAGE</p> <p>— — — — — FINISHED DRAINAGE</p> <p>— — — — — LIMITS OF GRADING</p> <p>● — — — — — STRAW BALES</p> <p>■ — — — — — SILT FENCE</p> <p>① — — — — — VEGETATION SPECIFICATION</p> <p>⊙ — — — — — TREE PRESERVATION</p> <p>▨ — — — — — STOCKPILED SOIL</p> <p>▩ — — — — — GRAVEL</p> | <p><b>NOTES:</b></p> <p>1. On moderate slopes, up to 8 percent, silt fence and straw bales may be used interchangeably.</p> <p>2. Slopes exceeding 25 percent shall have silt fence backed by straw bales for support.</p> <p>3. Use additional practices as required by the local plan approval authority to mitigate effects of post construction runoff.</p> |                                                                                                                                                                |                                             |  |                            |             |  |                              |            |        |
| <p style="text-align: center;">Placed on the Contour</p>                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                |                                             |  |                            |             |  |                              |            |        |
| <p>STREET</p> <p>EXISTING CURB AND GUTTER</p>                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                |                                             |  |                            |             |  |                              |            |        |
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| PROJECT LOCATION:                                                                                                                                                                                                                                                                                                                                                                            | PROPERTY OWNER:                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                |                                             |  |                            |             |  |                              |            |        |
| ANTICIPATED STARTING DATE:                                                                                                                                                                                                                                                                                                                                                                   | CONTRACTOR:                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                |                                             |  |                            |             |  |                              |            |        |
| ANTICIPATED COMPLETION DATE:                                                                                                                                                                                                                                                                                                                                                                 | SOIL TYPE:                                                                                                                                                                                                                                                                                                                                                      | SLOPE:                                                                                                                                                         |                                             |  |                            |             |  |                              |            |        |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;"> NEW YORK STATE DEPARTMENT OF TRANSPORTATION,<br/> NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION,<br/> NEW YORK STATE SOIL &amp; WATER CONSERVATION COMMITTEE </td> <td style="width: 40%; text-align: center;"> <b>EROSION CONTROL<br/>PLAN CONDITION 3</b> </td> </tr> </table>  |                                                                                                                                                                                                                                                                                                                                                                 | NEW YORK STATE DEPARTMENT OF TRANSPORTATION,<br>NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION,<br>NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE | <b>EROSION CONTROL<br/>PLAN CONDITION 3</b> |  |                            |             |  |                              |            |        |
| NEW YORK STATE DEPARTMENT OF TRANSPORTATION,<br>NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION,<br>NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE                                                                                                                                                                                                                               | <b>EROSION CONTROL<br/>PLAN CONDITION 3</b>                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                |                                             |  |                            |             |  |                              |            |        |

# Condition 3—Vegetative Requirements & Compliance Form

## Vegetation Requirements:

### 1) Site Preparation

- A. Install needed water and erosion control measures and bring area to be seeded to desired grades using a minimum of 4 in. topsoil.
- B. Prepare seedbed by loosening soil to a depth of 4-6 inches.
- C. Lime to a pH of 6.5
- D. Fertilize as per soil test or, if fertilizer must be applied before soil test results are received, apply 850 pounds of 5-10-10 or equivalent per acre (20 lbs/1,000 sq. ft.)
- E. Incorporate lime and fertilizer in top 2-4 inches of topsoil.
- F. Smooth. Remove all stones over 1 inch in diameter, sticks, and foreign matter from the surface. Firm the seedbed.

### 2) Planting—Sunny Location.

Upon completing soil de-compaction, 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 hydroseeded, lime and fertilizer may be applied through the seeder and rolling is not practical. Seed using the following mix and rates:

| Species (% by weight)                       | lbs/1,000sq. ft | lbs./acre |
|---------------------------------------------|-----------------|-----------|
| 65% Kentucky bluegrass blend.....           | 2.0-2.6.....    | 85-114    |
| 20% perennial ryegrass.....                 | 0.6-0.8.....    | 26-35     |
| 15% fine fescue.....                        | 0.4-0.6.....    | 19-26     |
| Total.....                                  | 3.0-4.0.....    | 130-175   |
| or,                                         |                 |           |
| 100% Tall fescue, Turf-type, fine leaf..... | 3.4-4.6.....    | 150-200   |

- 3) When using the cultipacker or broadcast seed method, mulch using small grain straw, applied at a rate of 2 tons per acre; and anchor with a netting or tackifier. Hydroseed applications should include mulch, fertilizer and seed.

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. Fertilizing—First year, (spring seedlings) three to four weeks after germination apply 1 pound nitrogen/1,000 square feet using a complete fertilizer with a 2-1-1 or 4-1-3 ratio or as recommended by soil test results. For summer and early fall seedings, apply as above unless air temperatures are above 85°F for extended period. Wait until heat wave is over to fertilize. For late fall/ winter seedings, fertilize in spring. Restrict use—new seedlings should be protected from use for one full year to allow development of a dense sod with good root structure.

## Certification Statement

Please complete and sign this 2-sided document (with Typical Erosion Control Plan) and attach to BLUEPRINTS and SITE PLAN prior to any earth disturbance. These documents must be kept on site and be available for review as requested by any agent of the NYSDEC. **This 2-sided form can be used as a basic stormwater pollution prevention plan, but will not exempt a landowner from filing a Notice of Intent.**

"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 inspectors during a site inspection. I also understand that the owner or operator must comply with the term 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 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 know violations."

Builder/Contractor (print)

Signature

Address

**Figure D.4**  
**Erosion Control Plan Condition 4**

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| <p><b>EROSION CONTROL PLAN LEGEND</b></p> <p>— PROPERTY LINE</p> <p>— EXISTING DRAINAGE</p> <p>— FINISHED DRAINAGE</p> <p>--- LIMITS OF GRADING</p> <p>● STRAW BALES</p> <p>■ SILT FENCE</p> <p>① VEGETATION SPECIFICATION</p> <p>⊙ TREE PRESERVATION</p> <p>▨ STOCKPILED SOIL</p> <p>▩ GRAVEL</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <p><b>NOTES:</b></p> <p>1. On moderate slopes, up to 8 percent, silt fence and straw bales may be used interchangeably.</p> <p>2. Slopes exceeding 25 percent shall have silt fence backed by straw bales for support.</p> <p>3. Use additional practices as required by the local plan approval authority to mitigate effects of post construction runoff.</p> | <p><b>EXISTING CURB AND GUTTER</b></p> <p>STREET</p> <p>PROPERTY OWNER:</p> <p>CONTRACTOR:</p> <p>SOIL TYPE:</p> <p>SLOPE:</p> |
| <p>The diagram illustrates a property layout for an erosion control plan. It shows a 'HOUSE' and a 'GARAGE' situated next to a 'STABILIZED CONSTRUCTION ENTRANCE'. A '25' BUFFER' is indicated along the property line. The plan includes a legend for various erosion control measures: Property Line, Existing/Finished Drainage, Limits of Grading, Straw Bales, Silt Fence, Vegetation Specification (marked with ①), Tree Preservation (marked with ⊙), Stockpiled Soil (marked with ▨), and Gravel (marked with ▩). Notes specify that on moderate slopes (up to 8%), silt fences and straw bales can be used interchangeably, and slopes exceeding 25% must have silt fences backed by straw bales. It also states that additional practices may be required by local plan approval authorities to mitigate post-construction runoff.</p> |                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                |
| <p>NEW YORK STATE DEPARTMENT OF TRANSPORTATION,<br/>NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION,<br/>NEW YORK STATE SOIL &amp; WATER CONSERVATION COMMITTEE</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                |
| <p><b>EROSION CONTROL PLAN CONDITION 4</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                |



## Condition 4—Vegetative Requirements & Compliance Form

### Vegetation Requirements:

#### 1) Site Preparation

- A. Install needed water and erosion control measures and bring area to be seeded to desired grades using a minimum of 4 in. topsoil.
- B. Prepare seedbed by loosening soil to a depth of 4-6 inches.
- C. Lime to a pH of 6.5
- D. Fertilize as per soil test or, if fertilizer must be applied before soil test results are received, apply 850 pounds of 5-10-10 or equivalent per acre (20 lbs/1,000 sq. ft.)
- E. Incorporate lime and fertilizer in top 2-4 inches of topsoil.
- F. Smooth. Remove all stones over 1 inch in diameter, sticks, and foreign matter from the surface. Firm the seedbed.

#### 2) Planting—Sunny Location.

Upon completing soil de-compaction, 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 hydroseeded, lime and fertilizer may be applied through the seeder and rolling is not practical. Seed using the following mix and rates:

| Species (% by weight)                       | lbs/1,000sq. ft | lbs./acre |
|---------------------------------------------|-----------------|-----------|
| 65% Kentucky bluegrass blend.....           | 2.0-2.6.....    | 85-114    |
| 20% perennial ryegrass.....                 | 0.6-0.8.....    | 26-35     |
| 15% fine fescue.....                        | 0.4-0.6.....    | 19-26     |
| Total.....                                  | 3.0-4.0.....    | 130-175   |
| or,                                         |                 |           |
| 100% Tall fescue, Turf-type, fine leaf..... | 3.4-4.6.....    | 150-200   |

- 3) When using the cultipacker or broadcast seed method, mulch using small grain straw, applied at a rate of 2 tons per acre; and anchor with a netting or tackifier. Hydroseed applications should include mulch, fertilizer and seed.

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. Fertilizing—First year, (spring seedlings) three to four weeks after germination apply 1 pound nitrogen/1,000 square feet using a complete fertilizer with a 2-1-1 or 4-1-3 ratio or as recommended by soil test results. For summer and early fall seedlings, apply as above unless air temperatures are above 85°F for extended period. Wait until heat wave is over to fertilize. For late fall/ winter seedlings, fertilize in spring. Restrict use—new seedlings should be protected from use for one full year to allow development of a dense sod with good root structure.

### Certification Statement

Please complete and sign this 2-sided document (with Typical Erosion Control Plan) and attach to BLUEPRINTS and SITE PLAN prior to any earth disturbance. These documents must be kept on site and be available for review as requested by any agent of the NYSDEC. **This 2-sided form can be used as a basic stormwater pollution prevention plan, but will not exempt a landowner from filing a Notice of Intent.**

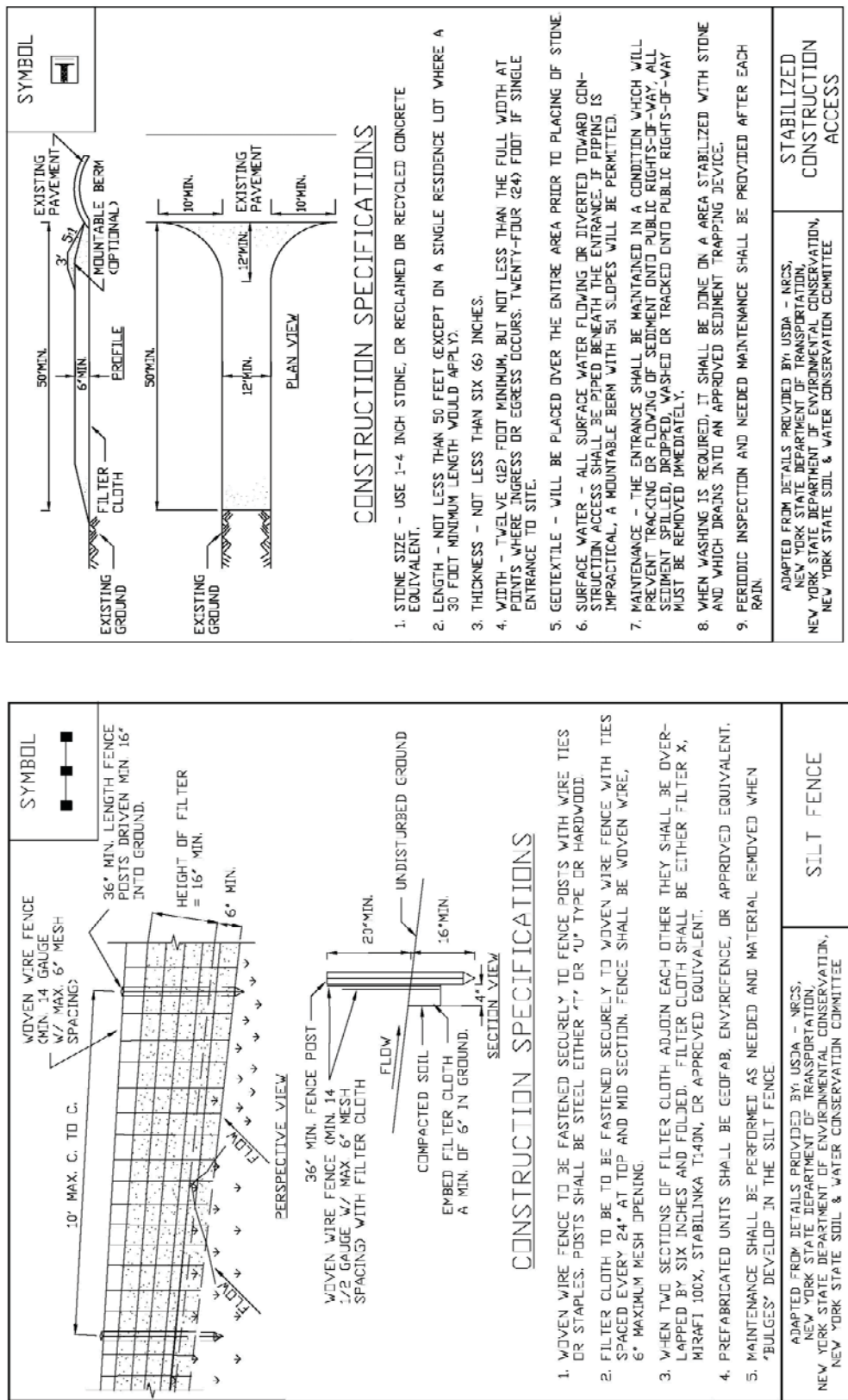
"I hereby certify under penalty of law that I understand and agree to comply with the terms and conditions of the SWPPP and agree to implement any corrective actions identified by the qualified inspectors during a site inspection. I also understand that the owner or operator must comply with the term 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 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 know violations."

Builder/Contractor (print)

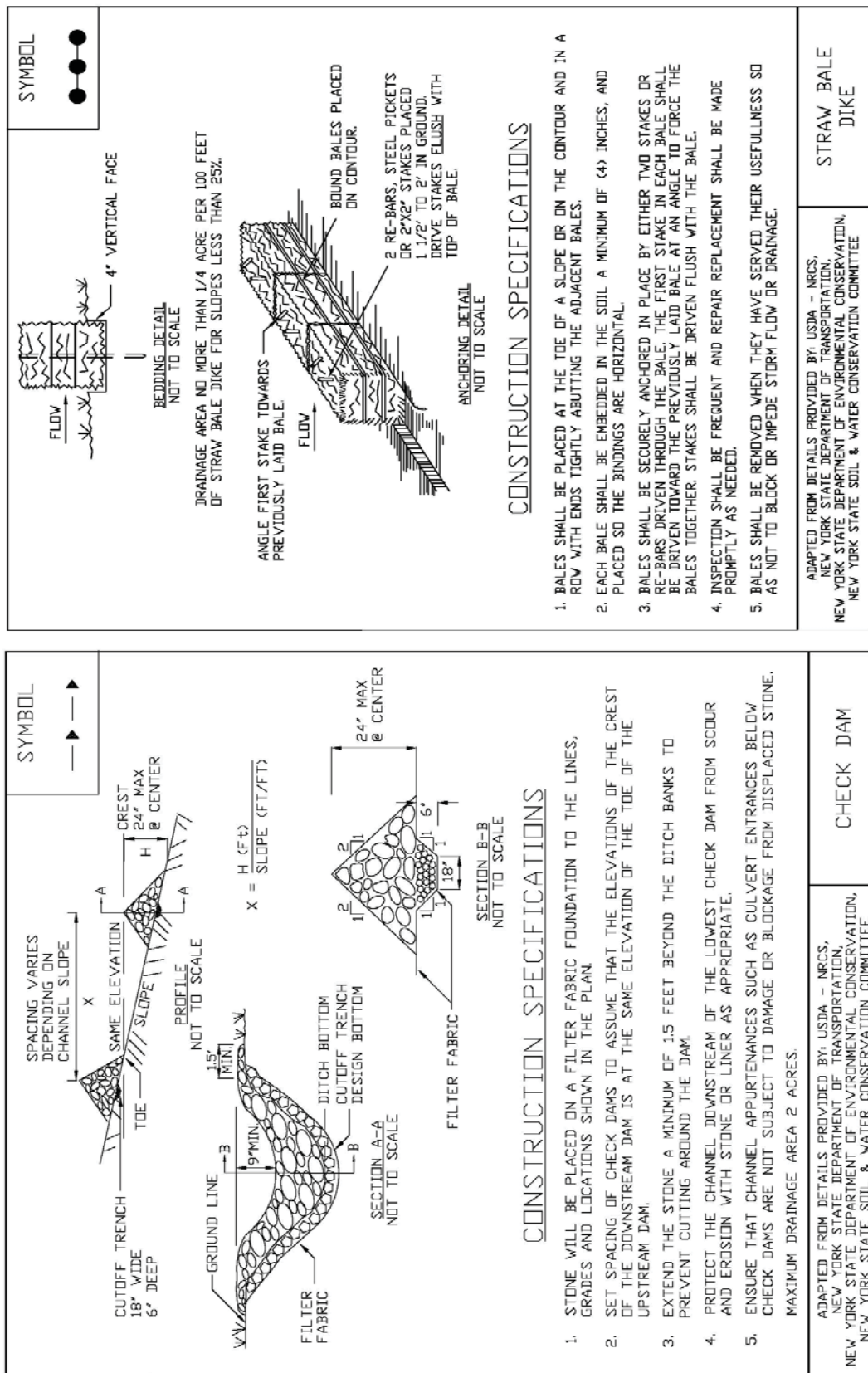
Signature

Address

**Figure D.5**  
**Construction Details for Stabilized Construction Entrance and Silt**



**Figure D.6**  
**Construction Details for Straw Bale Dike and Check Dam**





---

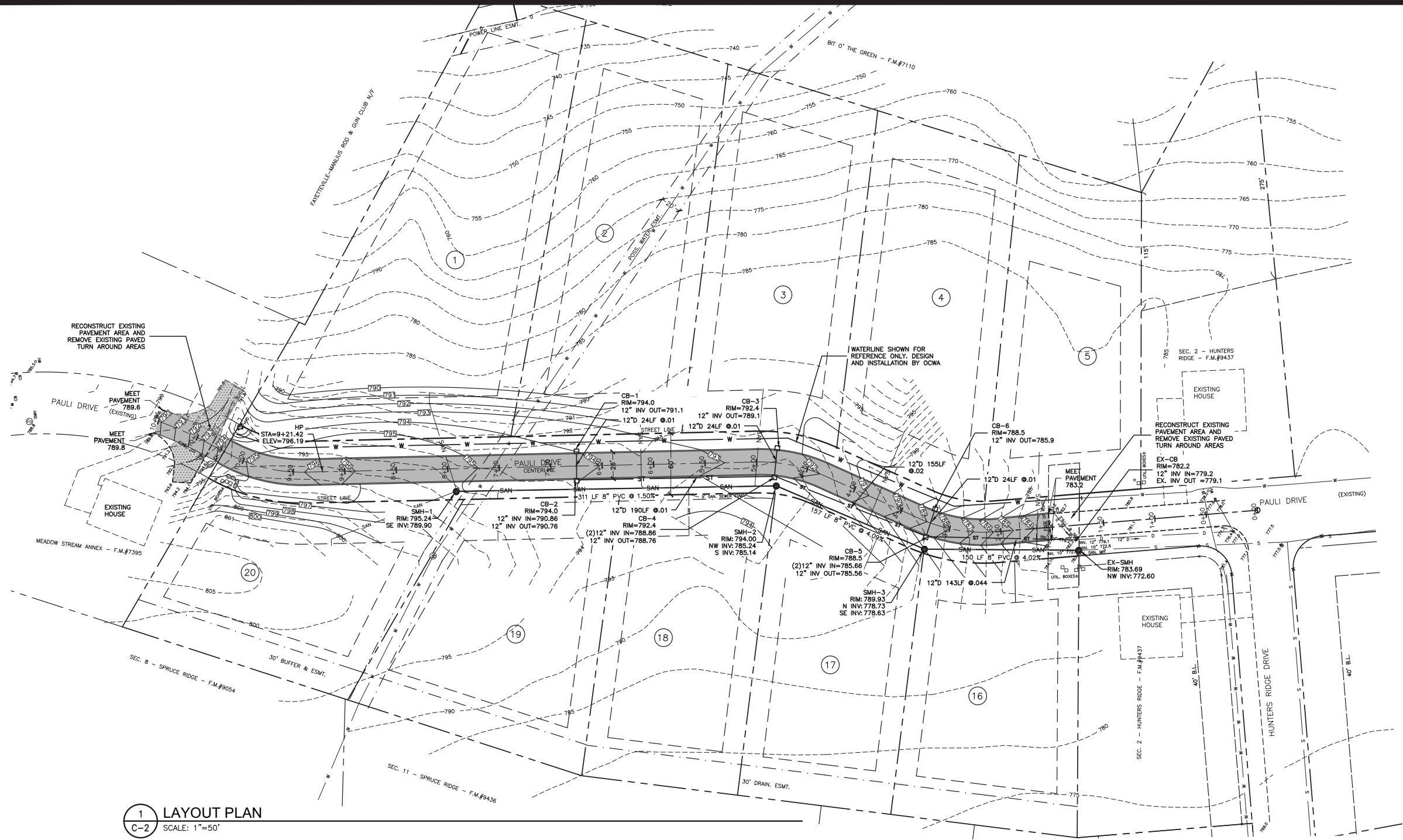
## **APPENDIX C**

### **Site Plan and Details**

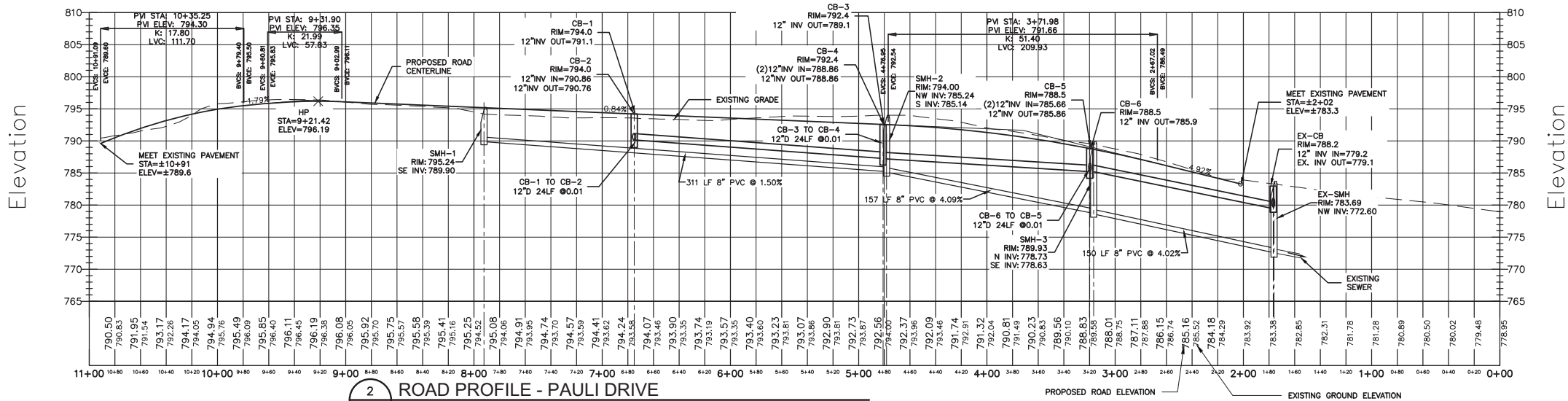
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1 LAYOUT PLAN  
C-2 SCALE: 1"=50'



2 ROAD PROFILE - PAULI DRIVE  
C-2 SCALE: 1"=50'H 1"=10'V

PROJECT TITLE:  
**HUNTER'S RIDGE  
(PAULI DRIVE EXTENSION)**  
TOWN OF MANLIUS  
ONONDAGA CO., NY

PREPARED FOR:  
**ROBERT CARON HOMES**  
7990 BLARNEY STONE WAY  
MANLIUS, NY 13104

**GRADING, UTILITY AND  
ROAD PROFILE**

| NO. | REVISION/ISSUE    | DATE     |
|-----|-------------------|----------|
| 1   | PER TOWN COMMENTS | 04/20/22 |
| 2   | PER TOWN COMMENTS | 02/02/22 |

PREPARED BY:  
**NAPIERALA CONSULTING**  
PROFESSIONAL ENGINEERING P.C.  
SIT • DESIGN • ENGINEERING  
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MANLIUS, NEW YORK 13104  
email: MNAP@NAPCON.COM  
PH: (315) 682-5580 FAX: (315) 682-5544

PROJECT NO.  
**21-1973**  
DATE  
**30 JUNE 2021**  
SCALE  
**1"=50'**

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**C-2**



## EROSION CONTROL NOTES

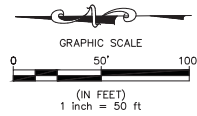
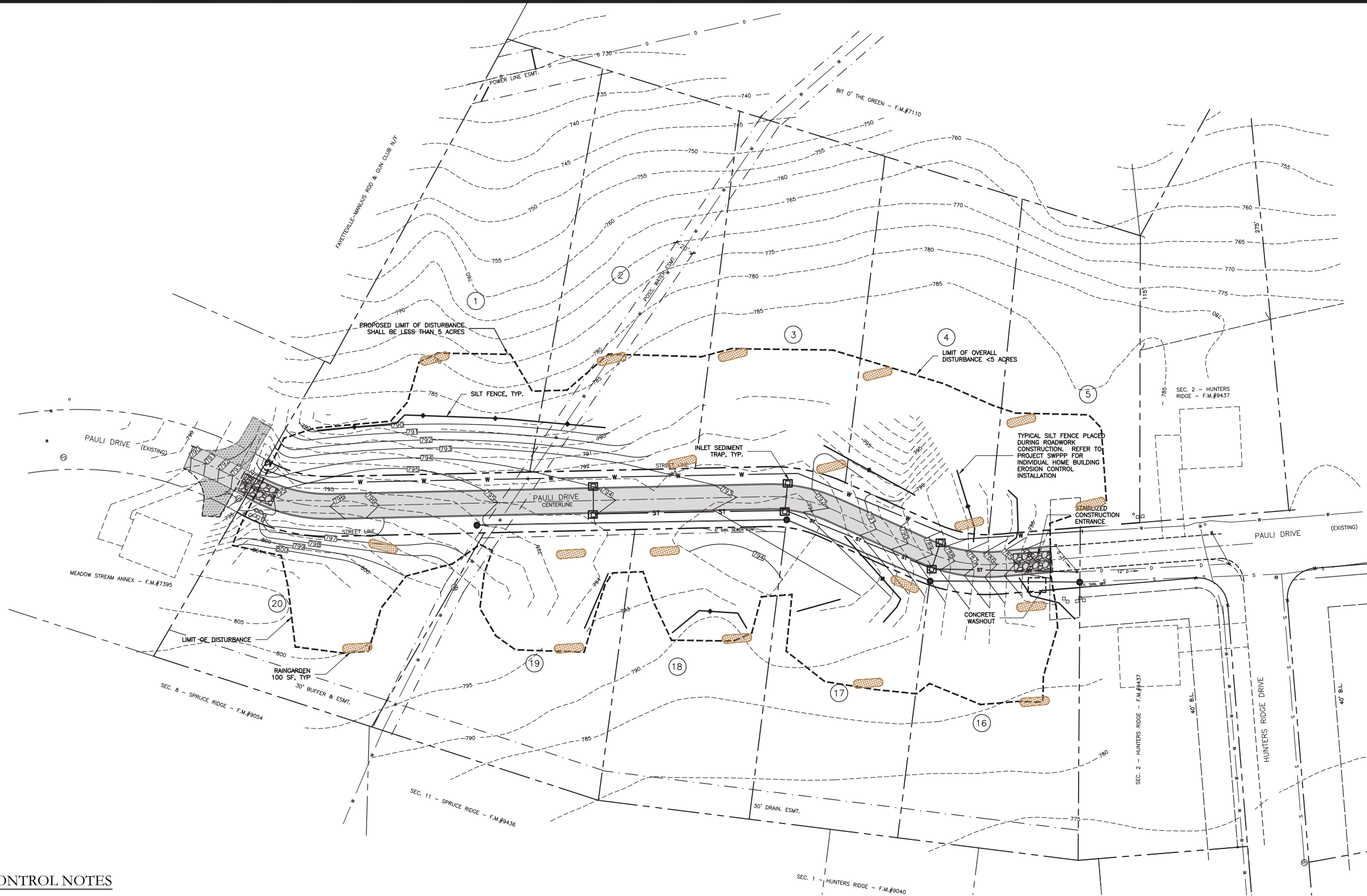
### EROSION AND SEDIMENT CONTROLS

1. STABILIZATION PRACTICES (TEMPORARY)
  - a) TEMPORARY SEEDING AND PLANTING OF ALL UNPAVED AREAS WHEN CONSTRUCTION ACTIVITY HAS CEASED, OR WILL CEASE, IN AN AREA FOR 14 DAYS. SEEDING MIXTURES AND APPLICATION RATES ARE OUTLINED IN THE PROJECT'S STORMWATER POLLUTION PREVENTION PLAN (SWPPP).
  - b) MULCHING EXPOSED AREAS.
  - c) FREQUENT WATERING TO MINIMIZE WIND EROSION DURING CONSTRUCTION.
2. STABILIZATION PRACTICES (PERMANENT)
  - a) LAND CLEARING ACTIVITIES SHALL BE DONE ONLY IN AREAS WHERE EARTHWORK WILL BE PERFORMED AND SHALL PROGRESS AS EARTHWORK IS NEEDED.
  - b) PERMANENT SEEDING AND PLANTING OF ALL UNPAVED AREAS.
3. STRUCTURAL MEASURES TEMPORARY
  - a) STABILIZED CONSTRUCTION ENTRANCE: AT THE ENTRANCE TO THE ALL DISTURBED AREAS FROM AN EXISTING ROADWAY A STABILIZED CONSTRUCTION ENTRANCE SHALL BE PROVIDED. THE PURPOSE OF THE STABILIZED CONSTRUCTION ENTRANCE IS TO REDUCE OR ELIMINATE THE TRACKING OF SEDIMENT ONTO THE PUBLIC RIGHT-OF-WAY.
  - b) SILT FENCE: SILT FENCE SHALL BE INSTALLED AS SHOWN ON THE EROSION CONTROL PLAN. THE FABRIC SHALL MEET THE SPECIFICATIONS NOTED ON THE DETAILS UNLESS OTHERWISE APPROVED BY THE APPROPRIATE EROSION AND SEDIMENT CONTROL PLAN APPROVAL AUTHORITY. SUCH APPROVAL SHALL NOT CONSTITUTE STATEWIDE ACCEPTANCE.
  - c) DUST CONTROL: DUST CONTROL IS THE CONTROL OF DUST RESULTING FROM LAND-DISTURBING ACTIVITIES. THE PURPOSE IS TO PREVENT SURFACE AND AIR MOVEMENT OF DUST FROM DISTURBED SOIL SURFACES THAT MAY CAUSE OFF-SITE DAMAGE, HEALTH HAZARDS, AND TRAFFIC SAFETY PROBLEMS.
4. STRUCTURAL PRACTICES (PERMANENT)
  - a) ROCK OUTLET PROTECTION: ROCK OUTLET PROTECTION IS A SECTION OF ROCK PROTECTION PLACED AT THE OUTLET END OF CULVERTS, CONDUITS, OR CHANNELS. THE PURPOSE OF THE ROCK OUTLET PROTECTION IS TO REDUCE THE DEPTH, VELOCITY, AND ENERGY OF WATER, SUCH THAT THE FLOW WILL NOT ERODE THE RECEIVING DOWNSTREAM REACH.
  - b) REINFORCED SLOPE PROTECTION: A TEMPORARY PROTECTIVE COVERING PLACED ON A PREPARED PLANTING AREA THAT IS ANCHORED IN PLACE BY STAPLES OR OTHER MEANS TO AID IN CONTROLLING EROSION BY ABSORBING RAIN SPLASH ENERGY AND WITHSTAND OVERLAND FLOW AS WELL AS PROVIDE A MICROCLIMATE TO PROTECT AND PROMOTE SEED ESTABLISHMENT.
  - c) LAND GRADING: PERMANENT RESHAPING OF THE EXISTING LAND SURFACE BY GRADING IN ACCORDANCE WITH AN ENGINEERING TOPOGRAPHIC PLAN AND SPECIFICATION TO PROVIDE EROSION CONTROL AND VEGETATIVE ESTABLISHMENT ON DISTURBED, RESHAPED AREAS.

5. SEQUENCE OF MAJOR ACTIVITIES  
THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING THE ABOVE LISTED EROSION AND SEDIMENT CONTROL PRACTICES. THE CONTRACTOR MAY DESIGNATE THESE TASKS TO CERTAIN SUBCONTRACTORS AS IS SEEN FIT, BUT THE ULTIMATE RESPONSIBILITY FOR IMPLEMENTING THESE CONTROLS AND ENSURING THEIR PROPER FUNCTION REMAINS WITH THE CONTRACTOR. THE ORDER OF ACTIVITIES WILL BE AS FOLLOWS:
  - a) CONDUCT A PRECONSTRUCTION MEETING WITH ALL INVOLVED PARTIES
  - b) CONSTRUCT TEMPORARY CONSTRUCTION ENTRANCE/EXIT AT THE LOCATION SHOWN ON THE ESC PLAN.
  - c) INSTALL PERIMETER SILT FENCE IN THE LOCATIONS SHOWN ON THE PLAN AND INDIVIDUAL HOME LOTS AS OUTLINED IN THE SWPPP.
  - d) SITE GRADING. IMPORT OF FILL MATERIAL TO RAISE SITE TO PROPOSED GRADE (OR SUB-GRADE, AS APPROPRIATE).
  - e) BUILDING FOUNDATION EXCAVATION (BUILDING CONSTRUCTION TO CONTINUE CONCURRENTLY WITH REMAINING SITE WORK).
  - f) DISTURBED AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS CEASED FOR MORE THAN 14 DAYS SHALL BE TEMPORARILY SEEDED AND WATERED.
  - g) UNDERGROUND UTILITIES, STORM, AND SEWER INSTALLATIONS.
  - h) INSTALL FILTER FABRIC DROP INLET PROTECTION AT ALL STORM INLETS.
  - i) FINALIZE PAVEMENT SUBGRADE PREPARATION.
  - j) REMOVE INLET PROTECTION NO MORE THAN 24 HOURS PRIOR TO PLACING ASPHALT PAVEMENT.
  - k) PAVE AREAS NOTED ON PLAN.
  - l) DEEP RIPPING OF NON-PAVED AREAS AS REQUIRED (NON-PAVED AREAS THAT HAVE BEEN COMPACTED DURING CONSTRUCTION VIA CONSTRUCTION TRAFFIC).
  - m) FINAL GRADING, SEEDING, AND PLANTING.
  - n) REMOVE SILT FENCE ONLY AFTER ALL PAVING IS COMPLETE AND EXPOSED SURFACES ARE STABILIZED.

### GENERAL EROSION CONTROL NOTES

1. LAND DISTURBING ACTIVITIES SHALL NOT COMMENCE UNTIL APPROVAL TO DO SO HAS BEEN RECEIVED BY GOVERNING AUTHORITIES. THE GENERAL CONTRACTOR SHALL STRICTLY ADHERE TO THE APPROVED SWPPP DRAWINGS DURING CONSTRUCTION OPERATIONS.
2. NO LAND CLEARING OR GRADING SHALL BEGIN UNTIL THE APPROPRIATE EROSION CONTROL MEASURES HAVE BEEN INSTALLED.
3. ALL EXPOSED AREAS SHALL BE SEEDDED AS SPECIFIED WITHIN 7 DAYS OF FINAL GRADING.
4. SHOULD CONSTRUCTION STOP FOR LONGER THAN 14 DAYS, THE SITE SHALL BE SEEDDED AS SPECIFIED.
5. MAINTAIN EROSION CONTROL MEASURES AFTER EACH RAIN AND AT LEAST ONCE A WEEK.
6. THIS PLAN SHALL NOT BE CONSIDERED ALL INCLUSIVE AS THE GENERAL CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT SEDIMENT FROM LEAVING THE SITE.
7. GENERAL CONTRACTOR SHALL COMPLY WITH ALL STATE AND LOCAL ORDINANCES THAT APPLY.
8. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED IF DEEMED NECESSARY BY ON SITE INSPECTION.
9. IF INSTALLATION OF STORM DRAINAGE SYSTEM SHOULD BE INTERRUPTED BY WEATHER OR NIGHTFALL, THE PIPE ENDS SHALL BE COVERED WITH FILTER FABRIC.
10. GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO TAKE WHATEVER MEANS NECESSARY TO ESTABLISH PERMANENT SOIL STABILIZATION.
11. ALL WORK TO BE DONE IN STRICT ACCORDANCE WITH THE NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL.



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PROJECT TITLE:  
**HUNTER'S RIDGE  
(PAULI DRIVE EXTENSION)**  
TOWN OF MANLIUS  
ONONDAGA CO., NY

PREPARED FOR:  
ROBERT CARON HOMES  
7990 BLARNEY STONE WAY  
MANLIUS, NY 13104

SHEET TITLE:  
**EROSION AND SEDIMENT  
CONTROL PLAN**

| NO. | REVISION/ISSUE    | DATE     |
|-----|-------------------|----------|
| 2   | PER TOWN COMMENTS | 04/20/22 |
| 1   | PER TOWN COMMENTS | 02/02/22 |

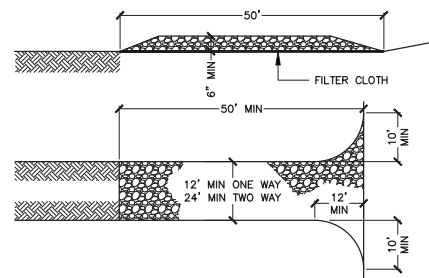
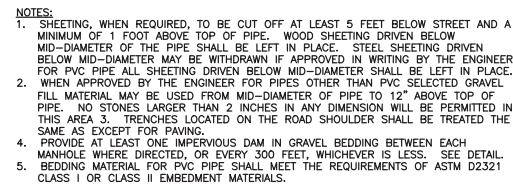
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PH: (315) 682-5580 FAX: (315) 682-5544

PROJECT NO.  
**21-1973**

DATE  
**30 JUNE 2021**

SCALE  
**1"=50'**

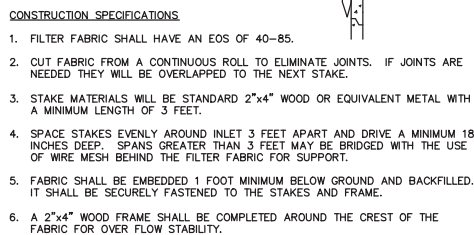
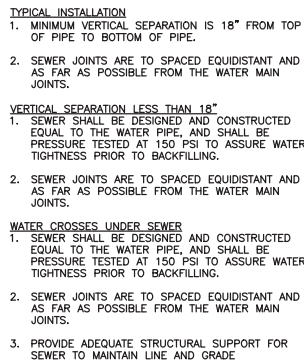
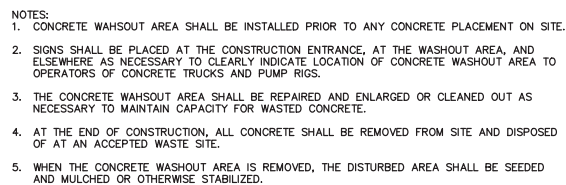
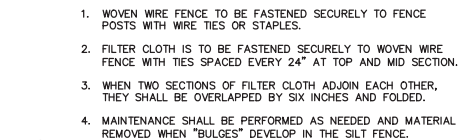
SHEET  
**C-3**



- 8 CONSTRUCTION ENTRANCE  
-4 SCALE: NTS



1. ALL SANITARY SEWER MANHOLES TO BE RATED FOR H=20 LOADING
2. PRECAST REINFORCED CONCRETE OFFSET TAPER TOP TO BE MANUFACTURED IN ACCORDANCE WITH ASTM C-478. TOP SECTION IS TO BE 3' LONG.
3. PRECAST REINFORCED CONCRETE MANHOLE RISER SECTIONS ARE TO BE MANUFACTURED IN ACCORDANCE WITH ASTM C-478. RISER SECTIONS ARE TO HAVE A 48" INSIDE DIAMETER X 5" WALL AVAILABLE IN 2', 3', OR 4' LENGTHS.
4. PRECAST REINFORCED CONCRETE MANHOLE BASE IS TO BE MANUFACTURED IN ACCORDANCE WITH ASTM C-478. BASE IS TO HAVE A 48" INSIDE DIAMETER X 5" WALL WITH RUBBER BOOTS AS REQUIRED.
5. REINFORCING FOR ALL SECTIONS SHALL BE 2X4, # W.W. MESH.
6. PRECAST REINFORCEMENT SHALL BE PLACED SO AS TO HAVE A MINIMUM COVER OF 2" AND BE LOCATED APPROXIMATELY WITHIN THE CENTER OF THE SECTION.
7. COURSES OF BRICK OR CONCRETE DONUTS ARE TO BE USED FOR RIM GRADE ADJUSTMENTS.
8. BASE OF PRECAST MANHOLE SHALL REST ON UNDISTURBED UNIFORM VIRGIN SOIL OR COMPACTED GRAVEL. CONCRETE SECTIONS SHALL BE MANHOLES NOT TO EXCEED 6' AT A TIME.
9. TRENCH SIDES SHALL CONFORM TO NYS LABOR DEPARTMENT SAFETY REGULATIONS.



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**TOWN OF MANLIUS**  
**ONONDAGA CO., NY**

**ROBERT CARON HOMES**  
7990 BLARNEY STONE WAY  
MANLIUS, NY 13104

## DETAILS

[illegible]

**NAPIERALA  
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MANLIUS, NEW YORK 13104  
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PH: (315) 682-5580 FAX: (315) 682-5544



PREPARED BY:

|             |              |
|-------------|--------------|
| PROJECT NO. | 21-1973      |
| DATE        | 30 JUNE 2021 |
| SCALE       | AS NOTED     |

4-C





### 3 RAIN GARDEN PLANTS (TABLE FROM NYSDEC)



50

|         |         |       |
|---------|---------|-------|
| 21-1973 | NE 2021 | NOTED |
|---------|---------|-------|

[illegible]

## DETAILS

AND LEFT THE E.

PROJECT TITLE: **HUNTER'S RIDGE  
(PAULI DRIVE EXTENSION)**

TOWN OF MANLIUS  
ONONDAGA CO., NY

**PREPARED FOR:**

ROBERT CARON HOMES  
7990 BLARNEY STONE WAY  
MANLIUS, NY 13104



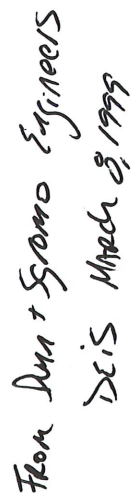


## **APPENDIX D**

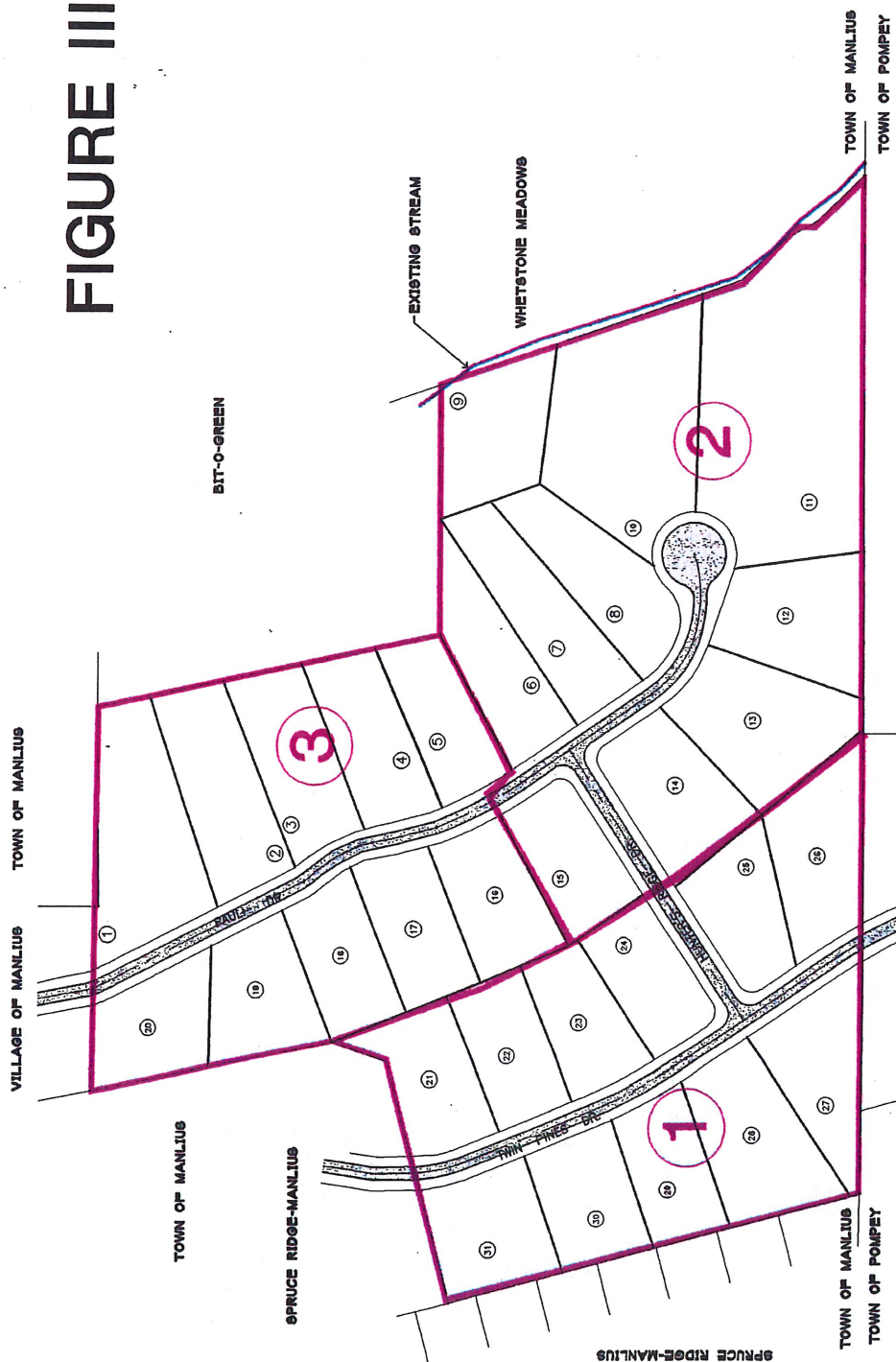
### Historic Approval

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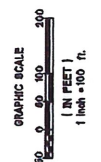
# DRAINAGE FACILITIES PLAN



# FIGURE III - G-1



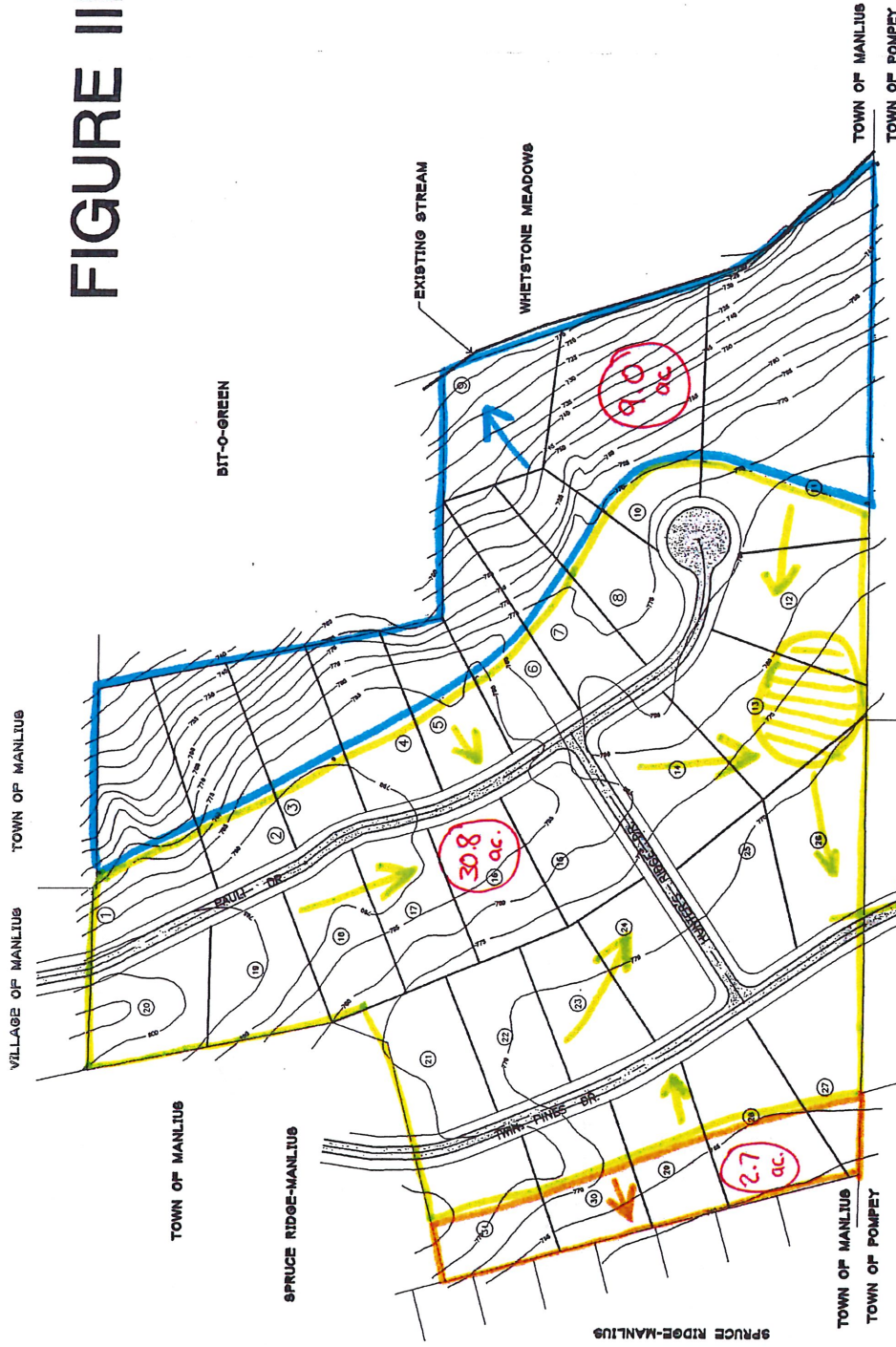
## PHASING PLAN



SPRUCE RIDGE-POMPEY

FROM DUNN & SGIOWA ENGINEERS  
DATE: March 3, 1999

# FIGURE III - A-6



DEVELOPED  
SITE DRAINAGE  
AREAS

From Dun 7 Spans Engineers  
DEIS March 8, 1995



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# **STORMWATER POLLUTION PREVENTION PLAN**

For the:

**Hunter's Ridge – Phase 3  
Pauli Drive  
Manlius, NY 13104**

Prepared for:

**Robert Caron Homes  
7990 Blarney Stone Way  
Manlius, NY 13104**

Prepared by:

 **NAPIERALA  
CONSULTING**  
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**Fax: (315) 682-5544**

Project No. 21-1973

**February 2022**

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## ***EXECUTIVE SUMMARY***

### **A. Purpose**

The following Stormwater Pollution Prevention Plan (SWPPP) has been developed to control stormwater runoff and pollutants from a site during construction activities. The objective of this SWPPP is to comply with the NYSDEC SPDES Stormwater Permit from Construction Activities by planning and implementing standard erosion and sediment control practices.

### **B. Project Description**

The ±12.6-acre property is located along Pauli Drive in the Hunter's Ridge Subdivision in the Town of Manlius, Onondaga County, NY. This project consists of the subdivision and construction of 10 single-family home lots. The development will also include necessary amenities such as public road extension/connection, public utilities, and utilization of existing stormwater management facilities.

### **C. Stormwater Practices**

Stormwater practices for this project will be temporary construction measures only. Under SPDES Permit GP-0-20-001, single family residential subdivisions with 25% or less impervious cover at total site building out with a disturbed area less than 5 acres require the preparation of SWPPP that only includes erosion and sediment controls. The temporary measures that will be used on this site for erosion and sediment control include (but are not limited to): stabilized construction entrance, silt fencing, inlet protection and soil stabilization matting.

### **D. Stormwater Quantity**

The impacts to stormwater runoff quantity (i.e. peak flows) will be mitigated by the existing stormwater basin. This basin was installed under previous approvals from a master plan, of which these 10 lots were previously designed for.

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## **Table of Contents**

|                |                                                                 |     |
|----------------|-----------------------------------------------------------------|-----|
| Section I.#    | SCOPE.....                                                      | 1#  |
|                | A.#PURPOSE.....                                                 | 1#  |
|                | B.#SPDES GENERAL PERMIT GP-0-20-001 .....                       | 1#  |
|                | C.#RESPONSIBILITIES OF THE OWNER .....                          | 1#  |
|                | D.#RESPONSIBILITIES OF THE CONTRACTOR.....                      | 1#  |
|                | E.#NOTICE OF INTENT .....                                       | 2#  |
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## **Section I. SCOPE**

### **A. PURPOSE**

**Napierala Consulting, Professional Engineer, P.C.**, has prepared this Stormwater Pollution Prevention Plan (SWPPP) in compliance with the New York State Department of Environmental Conservation (NYSDEC) State Pollutant Discharge Elimination System (SPDES) Construction General Permit governing stormwater discharges during construction. The contractor's participation and adherence to this plan is mandatory. Non-compliance with the plan is subject to various remedies including, without limitation, monetary set-offs, withholding payments, reimbursement for costs, expenses (including reasonable attorney's fees), fines and civil penalties incurred and/or liquidated damages. This section provides a descriptive explanation of the Stormwater Pollution Prevention Plan and required contractor participation.

### **B. SPDES GENERAL PERMIT GP-0-20-001**

Regulations enacted by the New York State Department of Environmental Conservation require permitting for the discharge of stormwater from construction activities on sites where an area of one acre or more of soil disturbance is proposed. To comply with these regulations, the developer of the site must request coverage under the NYSDEC SPDES General Permit for Stormwater Discharges from Construction Activity (GP-0-20-001). In order to obtain coverage under the General Permit a Stormwater Pollution Prevention Plan (SWPPP) for the site must be prepared following the requirements of the New York State Stormwater Management Design Manual and the New York State Standards and Specifications for Erosion and Sediment Control.

Stormwater practices for this project will be temporary construction measures only. Under SPDES Permit GP-0-20-001, single family residential subdivisions with 25% or less impervious cover at total site building out with a disturbed area less than 5 acres require the preparation of SWPPP that only includes erosion and sediment controls (Appendix A, Table 1 of GP-0-20-001). The temporary measures that will be used on this site for erosion and sediment control include (but are not limited to): stabilized construction entrance, silt fencing, inlet protection and soil stabilization matting.

The NOI, the SWPPP, and any amendments to the SWPPP, as well as any reports required by the SPDES General Permit for Stormwater Discharges from Construction Activity, must also be submitted concurrently to the local governing body and any other authorized agency having jurisdiction or regulatory control over the construction project.

### **C. RESPONSIBILITIES OF THE OWNER**

The owner/operator shall 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. The owner/operator shall identify the contractor(s) and subcontractor(s) that will be responsible for constructing the post-construction stormwater management practices included in the SWPPP. The owner/operator shall have each of the contractors and subcontractors identify at least one person from their company that will be responsible for implementation of the SWPPP. The owner/operator shall ensure that at least one trained contractor is on site on a daily basis when soil disturbance activities are being performed. The owner/operator shall have a qualified inspector conduct site inspections.

### **D. RESPONSIBILITIES OF THE CONTRACTOR**

The contractor shall manage the discharge of stormwater from the site in accordance with the NYSDEC SPDES General Permit for Stormwater Discharges from Construction Activity. The owner shall be responsible for conducting the stormwater management practices in accordance with the permit. The contractor shall be responsible for providing qualified inspectors to conduct the inspections required by the



SWPPP if it becomes a necessity. The contractor shall be responsible for any enforcement action taken or imposed by federal, state, or local agencies, including the cost of fines, construction delays, and remedial actions resulting from the contractor's failure to comply with the permit provisions. It shall be the responsibility of the contractor to make any changes to the SWPPP necessary when the contractor or any of his subcontractors elects to use borrow or fill or material storage sites, either contiguous to or remote from the construction site, when such sites are used solely for this construction site. Such sites are considered to be part of the construction site covered by the permit and this SWPPP. Off-site borrow, fill, or material storage sites which are used for multiple construction projects are not subject to this requirement, unless specifically required by state or local jurisdictional entity regulations. The contractor should consider this requirement in negotiating with earthwork subcontractors, since the choice of an off-site borrow, fill, or material storage site may impact their duty to implement, make changes to, and perform inspections required by the SWPPP for the site.

The SWPPP shall provide forms for both the general contractor and subcontractor(s) identifying the company name, business address and telephone number along with the responsible person for the contractor and all subcontractors' who will implement the measures identified in the SWPPP. **The general contractor shall sign the "General Contractor's Certification" and all subcontractors shall sign the "Subcontractor's Certification",** verifying they have been instructed on how to comply with and fully understand the requirements of the NYSDEC and SWPPP. **This certification must be signed, by a fully qualified individual on behalf of each entity, prior to the beginning of any construction activities and shall be filed in the projects SWPPP.**

The SWPPP is meant to be a working document that shall be maintained at the site of the construction activities at all times throughout the project, shall be readily available upon request by the operator's personnel or NYSDEC or any other agency with regulatory authority over storm water issues, and shall be kept on-site until the site complies with the Final Stabilization section of this document. **A sign or other notice must be posted near the main entrance of the construction site which contains a completed NOI, the location of the SWPPP and the name and phone number of a contact person responsible for scheduling SWPPP viewing times, and any other state specific requirements.**

#### E. NOTICE OF INTENT

The operator has petitioned the NYSDEC for the stormwater discharges during construction at this site to be covered by the NYSDEC SPDES General Permit for Stormwater Discharges from Construction Activity. A **Notice of Intent (NOI)** to be covered under this permit shall be filed by the operator. The signatory on the NOI must sign all documents (i.e., inspection reports) associated with the SWPPP. If the signatory chooses not to sign all documents, he/she must designate a duly authorized representative to sign all relevant documents. This designation must be made in writing and be included in the SWPPP. The duly authorized representative may be either a named individual or any individual occupying a named position. Additionally, the written designation must be submitted to the NYSDEC.

#### F. SWPPP MODIFICATIONS

The contractor should also identify if any revisions to the SWPPP are warranted due to unexpected conditions. The SWPPP is meant to be a dynamic working guide that is to be kept current and amended whenever:

- The NYSDEC provides notification that the SWPPP does not comply with the minimum permit requirements.
- The design, construction, operation, or maintenance of the site changes in a way which significantly affects the potential for the discharge of pollutants or when the plan proves to be ineffective in eliminating or significantly minimizing pollutant discharges
- Within seven (7) calendar days of knowledge of a reportable release.

Any such changes to the SWPPP must be made in writing within seven (7) days of the date such modification or amendment is made. The contractor's failure to monitor or report deficiencies to the



operator will result in the contractor being liable for fines and construction delays resulting from any federal, state, or local agency enforcement action.

#### **G. FINAL STABILIZATION AND TERMINATION OF PERMIT COVERAGE**

A site can be considered stabilized when all soil disturbing activities have been completed and a uniform perennial vegetative cover with a density of 80% over the unpaved areas and areas not covered by permanent structures has been established or equivalent permanent stabilization measures have been established and the facility no longer discharges stormwater associated with construction activities, and a **Notice of Termination** (NOT) form has been filed by the operator(s) with the NYSDEC. Prior to filing of the Notice of Termination, the operator shall have the qualified professional perform a final site inspection. The qualified professional shall certify that the site has undergone final stabilization using either vegetative or structural stabilization methods and that all temporary erosion and sediment controls (such as silt fence) not needed for long-term erosion control have been removed. The filing of the NOT terminates coverage under the General Permit and terminates the contractor's responsibility to implement the SWPPP, but the requirements of the SWPPP, including periodic inspections, must be continued until the NOT is filed. Upon achieving this milestone, the contractor shall also submit "Final Stabilization Certification/Termination Checklist". Final payment and/or the release of any retainer will be withheld until all provisions of the SWPPP have been submitted, completed and accepted by the operator.





## Section II. SITE DESCRIPTION

### A. PROJECT NAME AND LOCATION

Hunter's Ridge Subdivision – Phase 3  
Pauli Drive  
Manlius, NY 13104  
Onondaga County, New York

UTM Coordinates from NYSDEC Interactive Map: E: 420427; N: 4760198  
NYSDEC Region 7

Figure 1 shows the project location on a street map and Figure 2 shows an aerial image of the proposed site in its existing condition.

### B. OWNER/OPERATOR NAME AND ADDRESS

Robert Caron Homes  
7990 Blarney Stone Way  
Manlius, NY 13104

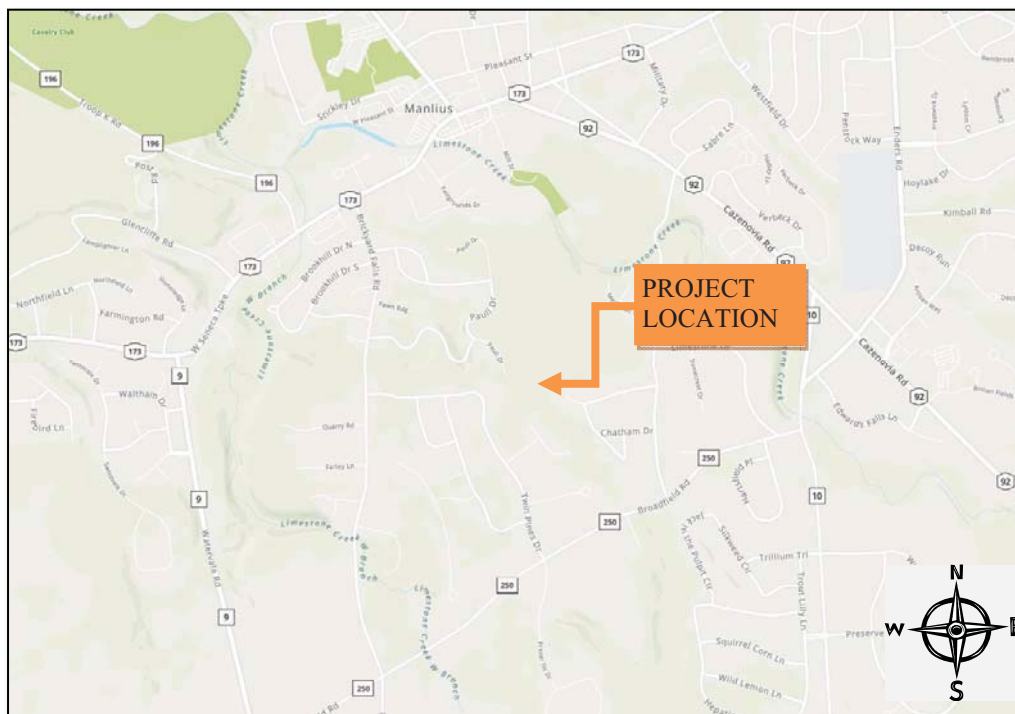


Figure 1: Site Location Map



Figure 2: Proposed Site Aerial Image - Google Earth

### C. PROJECT DESCRIPTION

The ±12.6-acre property is located along Pauli Drive in the Hunter's Ridge Subdivision in the Town of Manlius, Onondaga County, NY. This project consists of the subdivision and construction of 10 single-family home lots. The development will also include necessary amenities such as public road extension/connection, public utilities, and utilization of existing stormwater management facilities. The proposed project consists of 14% impervious surfaces for the full build out and will disturb less than 5 acres of soils as shown in Figure 6. As such, preparation of this SWPPP only includes erosion and sediment control (Appendix B, Table 1 of GP-0-20-001). Furthermore, this project was previously designed for in the master plan of Hunter's Ridge and will have no impact on that past approval, as shown in Appendix D.

### D. RECEIVING WATERS

Runoff from the site generally flows to the west and is tributary to an existing stormwater mitigation basin that was part of this masterplan development constructed in 2000 through 2002. This stormwater management system is ultimately tributary to Limestone Creek. Figure 3 shows the project site location in relation to certain environmental boundaries using the NYS DEC Environmental Resource Mapper. The NYS DEC Environmental Resource Mapper (Figure 3 on the following page) shows that no DEC or Federal regulated wetlands are within the vicinity of the project site.

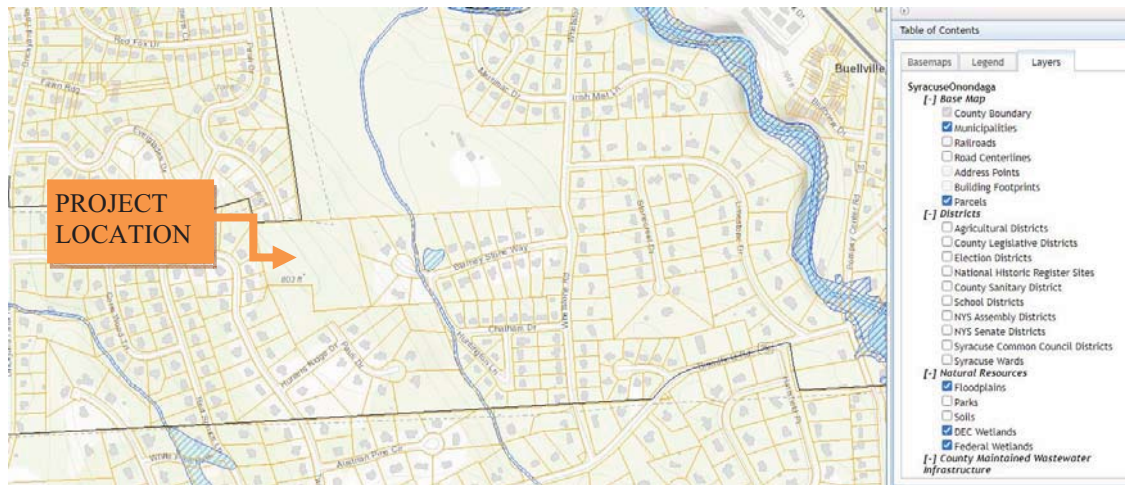


Figure 3: NYSDEC Environmental Resource Mapper (Wetlands)

#### E. ENDANGERED OR THREATENED SPECIES

The NYSDEC Environmental Resource Mapper shows the site is within the check zone for rare plants, animals, or significant natural communities. From the EAF Mapper, this area is sensitive to the Northern Long-eared Bat, therefore there is a seasonal restriction on tree clearing: trees can only be cut down between November 1<sup>st</sup> and April 14<sup>th</sup> in order to protect potential roosting trees.

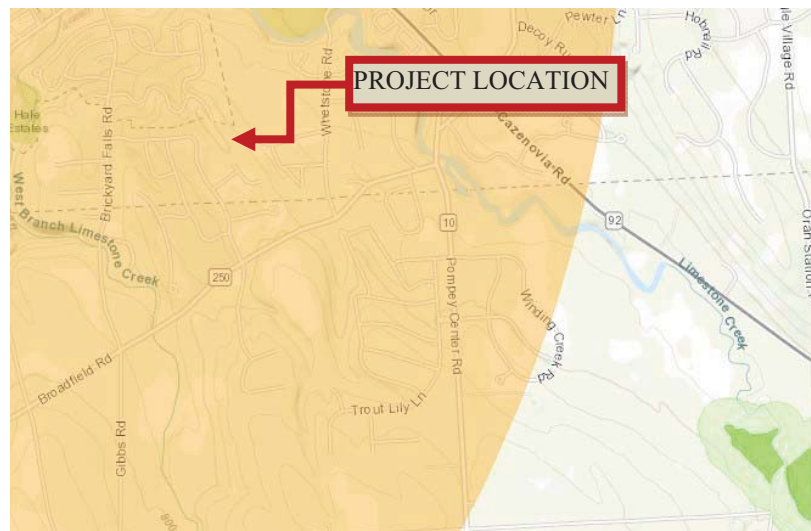


Figure 4: NYS DEC Environmental Resource Mapper (Environmental)



## F. FEDERAL AND STATE HISTORIC PRESERVATION

The SPDES (State Pollutant Discharge Elimination System) GP-0-20-001 requires that the discharge from construction activities shall not influence properties listed as or eligible for listing on the State or National Register of Historic Places. Figure 4 shows the SHPO (State Historic Preservation) map which indicates the project is outside the archeologically sensitive area.

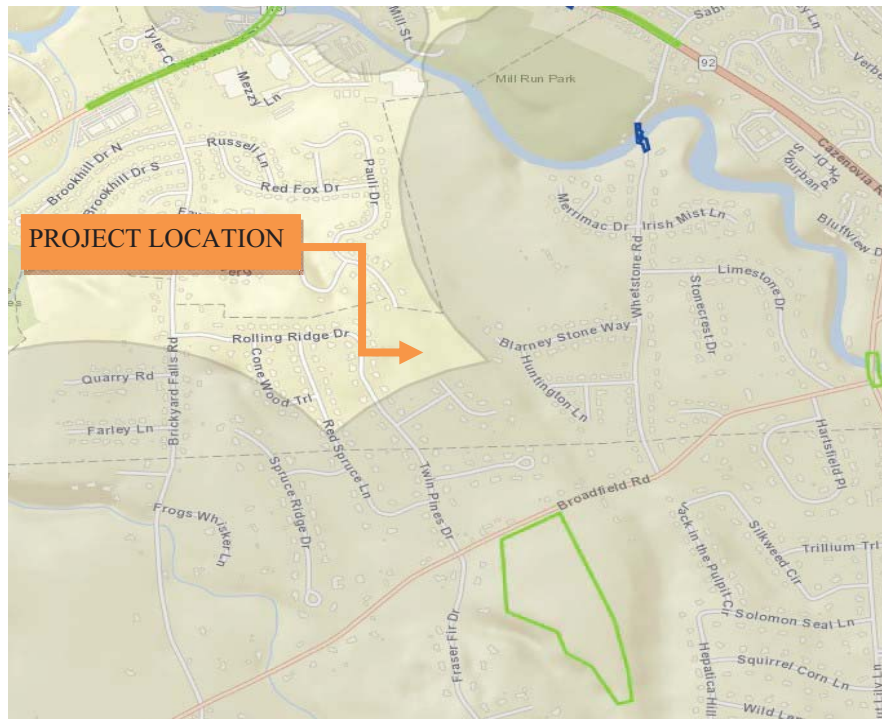


Figure 5: State Historic Preservation Office Map

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1  
DA  
EXISTING DRAINAGE AREA  
SCALE: 1"=200'



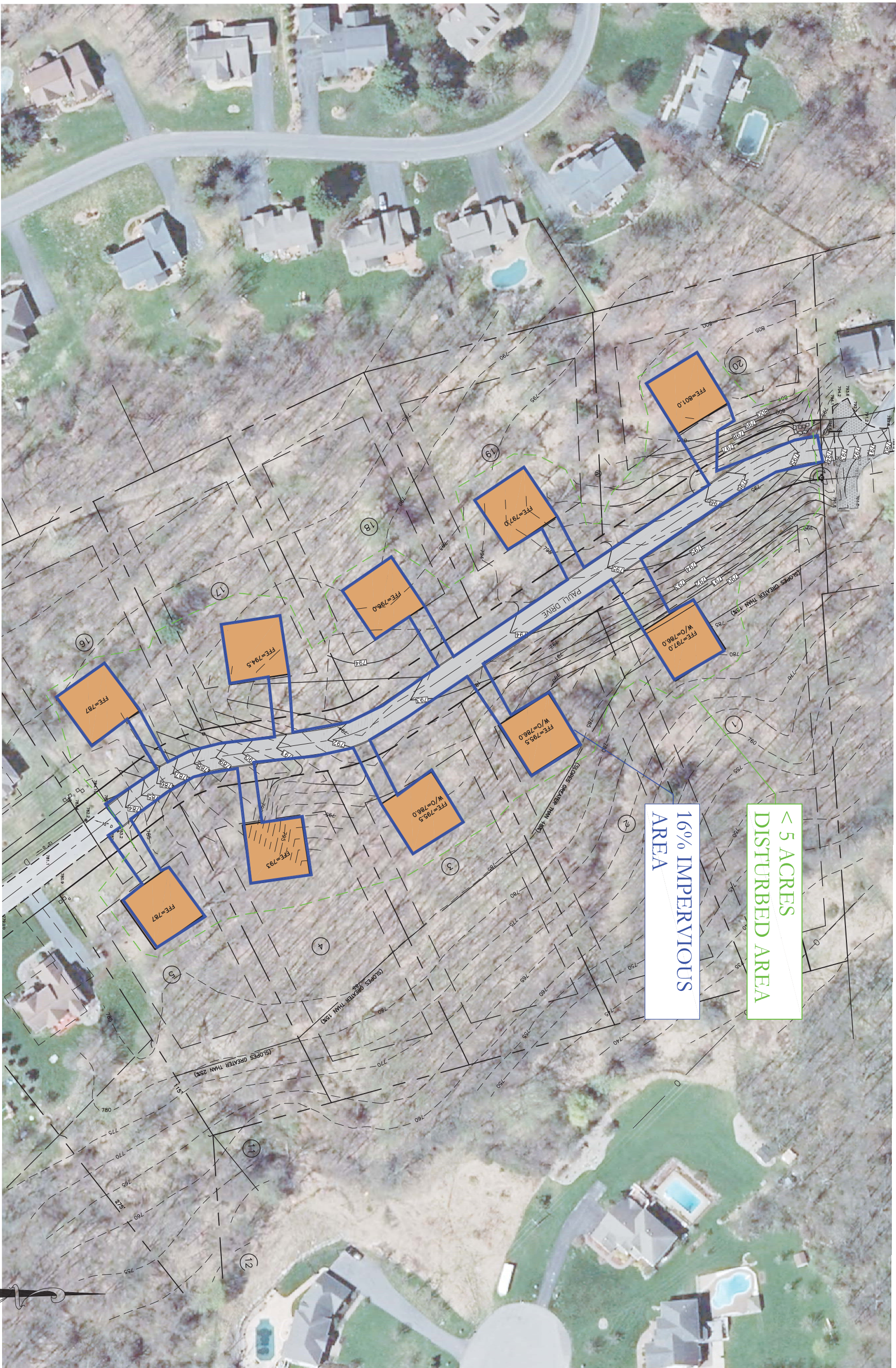
FOR PERMITTING ONLY - NOT FOR CONSTRUCTION

|                               |                                                                                                                                                                                                                                                                                                                    |                                                           |                                             |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------|
| PROJECT NO.<br><b>21-1973</b> | PREPARED BY:<br> <b>NAPIERALA CONSULTING</b><br>PROFESSIONAL ENGINEER, P.C.<br>SITE • DESIGN • ENGINEERING<br>110 FAYETTE STREET<br>MANLIUS, NEW YORK 13104<br>email: MNAP@NAPCON.COM<br>PH: (315) 682-5580 FAX: (315) 682-5544 | SHEET TITLE:<br><br><b>EXISTING DRAINAGE<br/>FIGURE 6</b> | PROJECT TITLE:<br><br><b>HUNTER'S RIDGE</b> |
| DATE                          |                                                                                                                                                                                                                                                                                                                    |                                                           | TOWN OF MANLIUS<br>ONONDGA CO., NY          |
| SCALE<br><b>1"=200'</b>       |                                                                                                                                                                                                                                                                                                                    |                                                           | PREPARED FOR:<br><b>ROBERT CARON HOMES</b>  |



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FOR PERMITTING ONLY - NOT FOR CONSTRUCTION

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| PROJECT NO.<br><b>21-1973</b> | PREPARED BY:<br> <b>NAPIERALA CONSULTING</b><br>PROFESSIONAL ENGINEER, P.C.<br>SITE • DESIGN • ENGINEERING<br>110 FAYETTE STREET<br>MANLIUS, NEW YORK 13104<br>email: MNAP@NAPCON.COM<br>PH: (315) 682-5580 FAX: (315) 682-5544 | SHEET TITLE:<br><br><b>DISTURBED AREA<br/>FIGURE 7</b> | PROJECT TITLE:<br><br><b>HUNTER'S RIDGE</b><br><br>TOWN OF MANLIUS<br>ONONDGA CO., NY<br><br>PREPARED FOR:<br><br><b>ROBERT CARON HOMES</b> |
| DATE                          |                                                                                                                                                                                                                                                                                                                    |                                                        |                                                                                                                                             |
| SCALE<br><b>1"=100'</b>       |                                                                                                                                                                                                                                                                                                                    |                                                        |                                                                                                                                             |



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### Section III. CONTROLS

#### A. EROSION AND SEDIMENT CONTROLS

Prior to the commencement of construction, the operator will identify the contractor(s) and subcontractor(s) that will implement each erosion and sediment control measure identified in this SWPPP. All contractors and subcontractors identified in the SWPPP must sign a copy of the certification statement in Part III.E. of the NYS DEC SPDES General Permit for Stormwater Discharges from Construction Activities in accordance with Part V.H. of the SPDES General Permit.

1. Stabilization Practices (Permanent)

Permanent stabilization practices for this site include:

- a. Land clearing activities shall be done only in areas where earthwork will be performed and shall progress as earthwork is needed.
- b. Permanent seeding and planting of all unpaved areas.
- c. Rip-rap swales and slope re-enforcement.
- d. Turf Reinforcement Mats in swales

2. Stabilization Practices (Temporary) Temporary stabilization practices for this site include:

- a. Temporary seeding and planting of all unpaved areas when construction activity has ceased, or will cease, in an area for 14 days. Seeding mixtures and application rates are listed in the erosion and sediment control notes on the plans.
- b. Mulching exposed areas. Mulching rates are listed in the erosion and sediment control notes on the plan sheet.
- c. Frequent watering to minimize wind erosion during construction.

3. Structural Practices (Permanent) Permanent structural practices for this site include:

- a. Stone Rip-Rap reinforced outlet protection. Stone reinforced outlet protection will be provided at all spillways and culvert outlets where velocities are sufficient to erode downstream areas, as indicated on the plans.
- b. Land grading. Land grading is the reshaping of the existing land surface in accordance with a plan as determined by the engineering survey and layout. The purpose of a land grading specification is to provide erosion control and vegetative establishment on areas where the existing land is to be reshaped according to the plan.

4. Structural Practices (Temporary)

Temporary structural practices for this site include:

- a. Silt fence. Silt fence is a temporary barrier of geotextile fabric installed on the contours across from a slope used to intercept sediment laden runoff from small drainage areas of disturbed soil. The purpose of silt fence is to reduce runoff velocity and effect deposition of transported sediment load.
- b. Stabilized construction entrance/exit. A stabilized construction entrance/exit is 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 the stabilized construction entrance is to reduce or eliminate the tracking of sediment onto public rights-of-way or streets
  1. Aggregate size: Use a matrix of one to four-inch stone, or reclaimed or recycled equivalent
  2. Thickness: Not less than six inches
  3. Width: 24-foot minimum
  4. Length: As required, but not less than 50 feet
  5. Geotextile: To be placed over the entire area to be covered with aggregate.
  6. Piping of surface water under entrance shall be provided as necessary.





- c. Concrete washout area. A temporary excavated or above ground lined constructed pit where concrete truck mixers and equipment can be washed after their loads have been discharged to prevent highly alkaline runoff from entering storm drainage systems or leaching into the soil.

1. The washout facility is sized to contain solids, wash water and rainfall. The maximum size shall be eight feet by eight feet at the bottom and two feet deep. If excavated, then the side slopes shall be 2:1 (horizontal to vertical).
2. The facility shall be located a minimum of 100 feet from drainage swales, storm drain inlets, wetlands, streams, and other surface waters. Surface waters shall be prevented from entering the structure except got the access road. Appropriate access shall be provided with a gravel access road sloped down to the structure. Signs shall be placed to direct drivers to the facility after their load is discharged.
3. All washout facilities will be lined to prevent leaching of liquids into the ground. The liner shall be plastic sheeting with a minimum thickness of 10 mils with no holes or tears, and anchored beyond the top of the pit with an earthen berm, sandbags, stone, or other structural appurtenance except at the access point.

5. Sequence of Major Activities

The contractor will be responsible for implementing the above listed erosion and sediment control practices. The contractor may designate these tasks to certain subcontractors as is seen fit, but the ultimate responsibility for implementing these controls and ensuring their proper function remains with the contractor. The order of activities shall be as follows:

- a. Conduct a preconstruction meeting with all involved parties
- b. Construct temporary construction exits at locations shown on the ESC plan sheet
- c. Install perimeter silt fences in the locations shown on the ESC plan sheet and individual home lots as outlined in the SWPPP.
- d. Site grading work (cuts and fills)
- e. Foundation excavation (building construction to continue concurrently with the remaining site work)
- f. Temporarily stabilize disturbed areas where work will not take place for 14 days
- g. Underground utilities, storm, and sewer installations
- h. Install filter fabric drop inlet protection at all storm inlets
- i. Establish subgrade of asphalt pavement and install subgrade base material
- j. Remove inlet protection no more than 24 hours prior to placing asphalt pavement
- k. Pave roadway
- l. Deep ripping of non-paved areas as required
- m. Final grading, seeding, and planting. All soil shall be restored per table 5.3 of the NYS stormwater design manual (see soil restoration note on contract plans)
- n. Remove silt fence only after all paving is complete and exposed surfaces have achieved >80% stabilization.



## Section IV. INSPECTION AND MAINTENANCE REQUIREMENTS

Best management practices, both construction and operational, must be inspected and maintained on a routine basis to ensure continued compliance with the NYS SPDES General Permit for Stormwater Discharges from Construction Activity. The contractor is responsible for inspecting the erosion and sediment control practices, the operator/owner is responsible for providing a qualified professional, as defined in the SPDES General Permit, to perform the required weekly inspections of the construction site from the time earth-disturbing activities begin until final stabilization is achieved and the Notice of Termination is filed. The contractor will obtain copies of all local and state regulations that are applicable to stormwater management, erosion control, and pollution minimization at this job site and will comply fully with such regulations. The contractor will submit written evidence of such compliance if requested by the operator or any agent of a regulatory body. The contractor will comply with all conditions of the NYSDEC SPDES General Permit for Stormwater Discharges from Construction Activity, including the conditions related to maintaining the SWPPP and evidence of compliance with the SWPPP at the job site and allowing regulatory personnel access to the job site and to records to determine compliance.

### A. CONSTRUCTION MAINTENANCE/INSPECTION PROCEDURES

The operator shall maintain a record of all inspection reports in a site logbook. The logbook shall be maintained on site and be made available to the permitting authority upon request. Prior to the commencement of construction, the operator shall certify in the site logbook that the SWPPP, prepared in accordance with Part III.D. of the NYS DEC SPDES General Permit for Discharges from Construction Activities, meets all Federal, State and local erosion and sediment control requirements. The operator shall post at the site, in a publicly accessible location, a summary of the site inspection activities monthly. The following inspection and maintenance practices will be used to maintain erosion and sediment controls and stabilization measures.

1. Inspection and Maintenance Practices
  - a. Inspections shall occur once per seven (7) calendar days.
  - b. At a minimum, the qualified inspector shall inspect all erosion and sediment control practices to ensure integrity and effectiveness, all post-construction stormwater management practices under construction to ensure that they are constructed in conformance with the SWPPP, all areas of disturbance that have not achieved final stabilization, all points of discharge to natural surface water bodies located within or immediately adjacent to the property boundaries of the construction site, and all points of discharge from the construction site.
  - c. The qualified inspector shall prepare an inspection report subsequent to each and every inspection. At a minimum, the inspection report shall include and/or address the following:
    - i. Date and time of inspection;
    - ii. Name and title of person(s) performing inspection;
    - iii. A description of the weather and soil conditions (e.g. dry, wet, saturated) at the time of the inspection;
    - iv. A description of the condition of the runoff at all points of discharge from the construction site. This shall include identification of any discharges of sediment from the construction site. Include discharges from conveyance systems (i.e. pipes, culverts, ditches, etc.) and overland flow;
    - v. A description of the condition of all natural surface water bodies located within, or immediately adjacent to, the property boundaries of the construction site which receive runoff from disturbed areas. This shall include identification of any discharges of sediment to the surface water body;
    - vi. Identification of all erosion and sediment control practices that need repair or maintenance;
    - vii. Identification of all erosion and sediment control practices that were not installed or are not functioning as designed and need to be reinstalled or replaced;
    - viii. Description and sketch of areas that are disturbed at the time of the inspection and areas that have been stabilized (temporarily and/or final) since the last inspection;



- ix. Current phase of construction of all post-construction stormwater management practices and identification of all construction that is not in conformance with the SWPPP and technical standards;
  - x. Corrective action(s) that must be taken to install, repair, replace, or maintain erosion and sediment control practices; and to correct deficiencies identified with the construction of the post-construction stormwater management practice(s); and
  - xi. Digital photographs, with date stamp, that clearly show the condition of all practices that have been identified as needing corrective actions. The qualified inspector shall attach paper color copies of the digital photographs to the inspection report being maintained onsite within seven (7) calendar days of the date of the inspection. The qualified inspector shall also take digital photographs, with date stamp, that clearly show the condition of the practice(s) after the corrective action has been completed. The qualified inspector shall attach paper color copies of the digital photographs to the inspection report that documents the completion of the corrective action work within seven (7) calendar days of that inspection.
  - d. Within one business day of the completion of an inspection, the qualified inspector shall email the completed report to the owner, contractor and Town Engineer. The contractor or subcontractor shall begin implementing the corrective actions within one business day of this notification and shall complete the corrective actions in a reasonable time frame.
  - e. All inspection reports shall be signed by the qualified inspector. The inspection reports shall be maintained on the site.
  - f. Erosion and Sediment Control Inspection/Maintenance
    - i. Silt Fence: Silt fence shall be inspected for depth of sediment, tears, etc., to see if the fabric is securely attached to the fence posts, and to see that the fence posts are securely in the ground. Built up sediment will be removed from silt fence when it has reached one-third the height of the fence.
    - ii. Stabilized Construction Entrance/Exit: The entrance shall be maintained in a condition which will prevent tracking of sediment onto public rights-of-way. 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 water courses.
    - iii. Seeding: Temporary and permanent seeding and all other stabilization measures will be inspected for bare spots, washouts, and healthy growth.
2. Inspection and Maintenance Report Forms
- Once installation of any required or optional erosion control device or measure has been implemented, at least once every seven calendar days a Qualified Professional shall inspect each practice. The inspector shall use the forms found in this SWPPP to inventory and report the condition of each measure to assist in maintaining the erosion and sediment control measures in good working order.
  - These report forms shall become an integral part of the SWPPP and shall be made readily accessible to governmental inspection officials, the operator's engineer, and the operator for review upon request during visits to the project site. In addition, copies of the reports shall be provided to any of these persons upon request, via mail or facsimile transmission. Inspection and maintenance report forms are to be maintained by the permittee for three years following the final stabilization of the site.
  - The operator shall also prepare a written summary of its status with respect to compliance with the NYSDEC SPDES General Permit for Stormwater Discharges from Construction Activity at a minimum frequency of every three months during which coverage under the SPDES General Permit exists. The summary should address the status of achieving each component of the SWPPP. The reports shall be signed by the signatory of the NOI or a duly authorized person and be retained at the construction site.



1. Other Record Keeping Requirements

The contractor shall keep the following records related to construction activities at the site:

- Dates when major grading activities occur and the areas which were graded.
- Dates and details concerning the installation of structural controls.
- Dates when construction activities cease in an area.
- Dates when an area is stabilized, either temporarily or permanently.
- Dates of rainfall and the amount of rainfall.
- Dates and descriptions of the character and amount of any spills of hazardous materials.
- Records of reports filed with regulatory agencies if reportable quantities of hazardous materials are spilled.

## **B. OPERATION MAINTENANCE AND INSPECTION PROCEDURES**

Long-term maintenance of the stormwater mitigation basins and swales will be the continued responsibility of the town, as this was a masterplan drainage district.

1. Embankments and emergency spillways will be inspected annually and after major storm events. Items to be inspected include:
  - a. Vegetation and ground cover is adequate to prevent erosion.
  - b. No embankment erosion has occurred.
  - c. No animal burrows into embankments.
  - d. No unauthorized planting.
  - e. No cracking, bulging or sliding of dam.
  - f. Emergency spillway is in good condition, free of silt buildup and debris.
  - g. No leaks or seepage is occurring on downstream face.
  - h. All slope protection and riprap is intact and no failure has occurred.
2. Swales shall be inspected and maintained as follows:
  - a. All channels are free of debris on monthly basis.
  - b. No visible evidence of erosion.
  - c. Mowing shall be performed as needed. Inspect to ensure minimum mowing depth has not been exceeded.
  - d. Dewatering of swales between storms. Inspect monthly or as necessary.
  - e. Inspect swales for sediment deposition annually and clean as necessary.





## **Section V. MATERIALS MANAGEMENT PLAN**

### **A. MATERIALS COVERED**

The following materials or substances are expected to be present onsite during construction:

|                           |                               |
|---------------------------|-------------------------------|
| Concrete/Additives/Wastes | Cleaning Solvents             |
| Detergents                | Petroleum Based Products      |
| Paints/Solvents           | Pesticides                    |
| Acids                     | Solid and Construction Wastes |
| Sanitary Wastes           | Soil Stabilization Additives  |

### **B. MATERIAL MANAGEMENT PRACTICES**

The following are the material management practices that will be used to reduce the risk of spills or other accidental exposure of materials and substances to stormwater runoff. The job site superintendent will be responsible for ensuring that these procedures are followed.

#### **1. Good Housekeeping**

The following good housekeeping practices will be followed onsite during the construction project.

- a. An effort will be made to store only enough products required to do the job.
- b. All materials stored onsite will be stored in a neat, orderly manner and, if possible, under a roof or in a containment area. At a minimum, all containers will be stored with their lids on when not in use. Drip pans shall be provided under all dispensers.
- c. Products will be kept in their original containers with the original manufacturer's label in legible condition.
- d. Substances will not be mixed with one another unless recommended by the manufacturer.
- e. Whenever possible, all of a product will be used up before disposing of the container.
- f. Manufacturer's recommendations for proper use and disposal will be followed.
- g. The job site superintendent will be responsible for daily inspections to ensure proper use and disposal of materials.

#### **2. Hazardous Products**

These practices will be used to reduce the risks associated with hazardous materials. Material Safety Data Sheets (MSDS's) for each substance with hazardous properties that is used on the job site will be obtained and used for the proper management of potential wastes that may result from these products. An MSDS will be posted in the immediate area where such product is stored and/or used and another copy of each MSDS will be maintained in the SWPPP file at the job site construction trailer office. Each employee who must handle a substance with hazardous properties will be instructed on the use of MSDS sheets and the specific information in the applicable MSDS for the product he/she is using, particularly regarding spill control techniques.

- a. Products will be kept in original containers with the original labels in legible condition.
- b. Original labels and material safety data sheets (MSDS's) will be procured and used for each material.
- c. If surplus product must be disposed of, manufacturer's or local/state/federal recommended methods for proper disposal will be followed.

#### **3. Hazardous Waste**

All hazardous waste materials will be disposed of by the contractor in the manner specified by local, state, and/or federal regulations and by the manufacturer of such products. Site personnel will be instructed in these practices by the job site superintendent, who will also be responsible for seeing that these practices are followed.



#### 4. Product Specific Practices

The following product specific practices will be followed on the job site.

##### a. Petroleum Products

All onsite vehicles will be monitored for leaks and receive regular preventative maintenance to reduce the chance of leakage. Petroleum products will be stored in tightly sealed containers, which are clearly labeled. Any petroleum storage tanks used onsite will have a dike or berm containment structure constructed around it to contain any spills, which may occur. Drip pans shall be provided for all dispensers. Any asphalt substances used onsite will be applied per the manufacturer's recommendations.

##### b. Fertilizers

Due to the onsite public water supply that will be constructed as part of this project, the use of fertilizers is not allowed without the written authorization of the operator. Authorization will be based on the specific product's possible contaminants and impacts to the groundwater.

##### c. Paints, Paint Solvents, and Cleaning Solvents

All containers will be tightly sealed and stored when not in use. Excess paint and solvents will not be discharged to the storm sewer system but will be properly disposed of per manufacturer's instructions or state and federal regulations.

#### 5. Concrete Wastes

Concrete trucks will be allowed to wash out or discharge surplus concrete or drum wash water on the site, but only in either (1) specifically designated area which has been prepared to prevent contact between the concrete and/or washout and stormwater which will be discharged from the site or (2) in locations where waste concrete can be poured into forms to make riprap or other useful concrete products.

The hardened residue from the concrete washout areas will be disposed of in the same manner as other non-hazardous construction waste materials or may be broken up and used on site as deemed appropriate by the contractor. The job site superintendent will be responsible for seeing that these procedures are followed.

All concrete washout areas will be in an area where the likelihood of the area contributing to storm water discharges is negligible. If required, additional BMPs must be implemented to prevent concrete wastes from contributing to storm water discharges.

#### 6. Solid and Construction Wastes

All waste materials will be collected and stored in a securely lidded metal dumpster rented from a local waste management company which must be a solid waste management company licensed to do business in New York State. The dumpster will comply with all local and state solid waste management regulations.

All trash and construction debris from the site will be deposited in the dumpster. The dumpster will be emptied a minimum of twice per week or more often if necessary, and the trash will be hauled to a landfill approved by New York State. No construction waste materials will be buried on site. All personnel will be instructed regarding the correct procedures for waste disposal.

All waste dumpsters and roll-off containers will be in an area where the likelihood of the containers contributing to storm water discharges is negligible. If required, additional BMPs must be implemented, such as sandbags around the base, to prevent wastes from contributing to storm water discharges.

#### 7. Sanitary Wastes

All sanitary waste will be collected from the portable units a minimum of three times per week by a licensed portable facility provider in complete compliance with local and state regulation.

All sanitary waste units will be in an area where the likelihood of the unit contributing to storm water discharges is negligible. If required, additional BMPs must be implemented, such as sandbags around the base, to prevent wastes from contributing to storm water discharges.



## Section VI. SPILL PREVENTION AND RESPONSE PROCEDURES

The contractor will train all personnel in the proper handling and cleanup of spilled materials. No spilled hazardous materials or hazardous wastes will be allowed to come in contact with storm water discharges. If such contact occurs, the storm water discharge will be contained on site until appropriate measures in compliance with state and federal regulations are taken to dispose of such contaminated storm water. It shall be the responsibility of the job site superintendent to properly train all personnel in spill prevention and clean up procedures.

In order to minimize the potential for a spill of hazardous materials to come into contact with storm water, the following steps will be implemented:

1. All materials with hazardous properties (such as pesticides, petroleum products, fertilizers, detergents, construction chemicals, acids, paints, paint solvents, cleaning solvents, additives for soil stabilization, concrete curing compounds and additives, etc.) will be stored in a secure location, with their lids on, preferably under cover, when not in use.
2. The minimum practical quantity of all such materials will be kept on the job site.
3. A spill control and containment kit (containing, for example, absorbent materials, acid neutralizing powder, brooms, dust pans, mops, rags, gloves, goggles, plastic and metal trash containers, etc.) will be provided at the storage site.
4. Manufacturer's recommended methods for spill cleanup will be clearly posted and site personnel will be trained regarding these procedures and the location of the information and cleanup supplies.

In the event of a spill, the following procedures should be followed:

1. All spills will be cleaned up immediately after discovery.
2. The spill area will be kept well ventilated and personnel will wear appropriate protective clothing to prevent injury from contact with the hazardous substances.
3. The project manager and the Engineer of Record will be notified immediately.

Spills of toxic or hazardous materials will be reported to the appropriate federal, state, and/or local government agency, regardless of the size of the spill. Spills of amounts that exceed Reportable Quantities of certain substances specifically mentioned in federal regulations (40 CFR 110, 40 CFR 117, and 40 CFR 302) must be immediately reported to the NYSDEC 24-Hour Spill Hotline at **1-800-457-7362**.

4. If the spill exceeds a Reportable Quantity, the SWPPP must be modified within seven (7) calendar days of knowledge of the discharge to provide a description of the release, the circumstances leading to the release, and the date of the release. The plans must identify measures to prevent the recurrence of such releases and to respond to such releases.

The job site superintendent will be the spill prevention and response coordinator. He will designate the individuals who will receive spill prevention and response training. These individuals will each become responsible for a particular phase of prevention and response. The names of these personnel will be posted in the material storage area and in the office trailer onsite.



## **Section VII. CONTROL OF NON-STORMWATER DISCHARGES**

Certain types of discharges are allowable under the NYSDEC SPDES General Permit for Stormwater Discharges from Construction Activity, and it is the intent of this SWPPP to allow such discharges. These types of discharges will be allowed under the conditions that no pollutants will be allowed to come in contact with the water prior to or after its discharge. The control measures, which have been outlined previously in this SWPPP, will be strictly followed to ensure that no contamination of these non-stormwater discharges takes place. The following non-storm water discharges are allowed by the NYSDEC and may occur at the job site:

1. Discharges from firefighting activities
2. Fire hydrant flushing
3. Waters to which cleansers or other components have not been added that are used to wash vehicles or control dust
4. Routine external building wash down which does not use detergents
5. Pavement wash waters where spills or leaks of toxic or hazardous materials have not occurred (unless all spilled material has been removed) and where detergents are not used
6. Air conditioning condensate
7. Springs
8. Foundation or footing drains where flows are not contaminated with process materials such as solvents.

## **Section VIII. CERTIFICATION AND NOTIFICATION**

The New York State Department of Environmental Conservation requires that the operator and the contractor make certifications of knowledge of the contents of this SWPPP and agreement to follow the SWPPP. The terms of the General Permit also require that each contractor sign the SWPPP plan, thereby making them co-permittees and acknowledging their responsibility for certain operational aspects of the plan. These certifications should be signed before the contractor begins activities and should be filed with the site's SWPPP at the jobsite.



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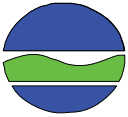


**APPENDIX A**  
SWPPP Forms  
Notice of Intent  
Notice of Termination  
Contractor Forms

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## NOTICE OF INTENT



# New York State Department of Environmental Conservation

## Division of Water

**625 Broadway, 4th Floor**

**Albany, New York 12233-3505**

NYR 

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(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)

[illegible]

Owner/Operator Contact Person Last Name (NOT CONSULTANT)

[illegible]

Owner/Operator Contact Person First Name

[illegible]

Owner/Operator Mailing Address

[illegible]

City

[illegible]

State

Zip

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Phone (Owner/Operator)

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Email (Owner/Operator)

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FED TAX ID

-  (not required for individuals)



## Project Site Information

Project/Site Name

H u n t e r ' s   R i d g e   -   P h a s e   3

Street Address (NOT P.O. BOX)

P a u l l i   D r i v e

Side of Street

☐ North   ☐ South   ☒ East   ☐ West

City/Town/Village (THAT ISSUES BUILDING PERMIT)

T o w n   o f   M a n l i u s

State

N Y

Zip

1 3 1 0 4 -

County

O N o n d a g a

DEC Region

7

Name of Nearest Cross Street

H u n t e r s   R i d g e   D r i v e

Distance to Nearest Cross Street (Feet)

2 0 0

Project In Relation to Cross Street

☒ North   ☐ South   ☐ East   ☐ West

Tax Map Numbers

Section-Block-Parcel

1 1 1 - 0 2 - 0 9 . 5

Tax Map Numbers

1. Provide the Geographic Coordinates for the project site in NYTM Units. To do this you **must** go to the NYSDEC Stormwater Interactive Map on the DEC website at:

[www.dec.ny.gov/imsmaps/stormwater/viewer.htm](http://www.dec.ny.gov/imsmaps/stormwater/viewer.htm)

Zoom into your Project Location such that you can accurately click on the centroid of your site. Once you have located your project site, go to the tool boxes on the top and choose "i"(identify). Then click on the center of your site and a new window containing the X, Y coordinates in UTM will pop up. Transcribe these coordinates into the boxes below. For problems with the interactive map use the help function.

X Coordinates (Easting)

4 2 0 4 2 7

Y Coordinates (Northing)

4 7 6 0 1 9 8

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

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**Post-Development  
Future Land Use**

- ☐ SINGLE FAMILY HOME  
☒ SINGLE FAMILY SUBDIVISION  
☐ 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

Number of Lots

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**\*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 |   |   |   |                                                                                              |  |  |  |   |   |   |                                                                                              |  |  |  |   |   |   |                                                                                              |  |  |  |   |   |   |
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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 |                                                                   |  |  |   |                                                                   |  |  |   |                                                                    |  |   |   |
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7. Is this a phased project? ☐ Yes ☒ No

8. Enter the planned start and end dates of the disturbance activities.

| Start Date                                                                                                                                                                                      | End Date |   |   |   |   |   |   |   |                                                                                                                                                                                                   |   |   |   |   |   |   |   |   |
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[illegible][illegible]

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)

[illegible]

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

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.

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?

.

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

Page 4 of 14

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?

[illegible]

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

[illegible]

SWPPP Preparer

[illegible]

Contact Name (Last, Space, First)

[illegible]

Mailing Address

[illegible]

City

[illegible]

State Zip

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Email

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## 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

[illegible]

MI

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Last Name

[illegible]

Signature

Date \_\_\_\_\_

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☒ 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

## Other

[illegible]

## 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

**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)

| RR Techniques (Area Reduction)                                                     | Total Contributing<br>Area (acres)                                                                                              | Total Contributing<br>Impervious Area (acres)                                                                                          |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| <input type="radio"/> Conservation of Natural Areas (RR-1) ...                     | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/> | and/or <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/> |
| <input type="radio"/> Sheetflow to Riparian<br>Buffers/Filters Strips (RR-2) ..... | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/> | and/or <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/> |
| <input type="radio"/> Tree Planting/Tree Pit (RR-3) .....                          | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/> | and/or <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/> |
| <input type="radio"/> Disconnection of Rooftop Runoff (RR-4) ..                    | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/> | and/or <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/> |
| <u>RR Techniques (Volume Reduction)</u>                                            |                                                                                                                                 |                                                                                                                                        |
| <input type="radio"/> Vegetated Swale (RR-5) .....                                 | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/>        |
| <input type="radio"/> Rain Garden (RR-6) .....                                     | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/>        |
| <input type="radio"/> Stormwater Planter (RR-7) .....                              | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/>        |
| <input type="radio"/> Rain Barrel/Cistern (RR-8) .....                             | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/>        |
| <input type="radio"/> Porous Pavement (RR-9) .....                                 | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/>        |
| <input type="radio"/> Green Roof (RR-10) .....                                     | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/>        |
| <u>Standard SMPs with RRv Capacity</u>                                             |                                                                                                                                 |                                                                                                                                        |
| <input type="radio"/> Infiltration Trench (I-1) .....                              | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/>        |
| <input type="radio"/> Infiltration Basin (I-2) .....                               | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/>        |
| <input type="radio"/> Dry Well (I-3) .....                                         | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/>        |
| <input type="radio"/> Underground Infiltration System (I-4) .....                  | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/>        |
| <input type="radio"/> Bioretention (F-5) .....                                     | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/>        |
| <input type="radio"/> Dry Swale (O-1) .....                                        | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/>        |
| <u>Standard SMPs</u>                                                               |                                                                                                                                 |                                                                                                                                        |
| <input type="radio"/> Micropool Extended Detention (P-1) .....                     | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/>        |
| <input type="radio"/> Wet Pond (P-2) .....                                         | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/>        |
| <input type="radio"/> Wet Extended Detention (P-3) .....                           | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/>        |
| <input type="radio"/> Multiple Pond System (P-4) .....                             | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/>        |
| <input type="radio"/> Pocket Pond (P-5) .....                                      | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/>        |
| <input type="radio"/> Surface Sand Filter (F-1) .....                              | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/>        |
| <input type="radio"/> Underground Sand Filter (F-2) .....                          | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/>        |
| <input type="radio"/> Perimeter Sand Filter (F-3) .....                            | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/>        |
| <input type="radio"/> Organic Filter (F-4) .....                                   | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/>        |
| <input type="radio"/> Shallow Wetland (W-1) .....                                  | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/>        |
| <input type="radio"/> Extended Detention Wetland (W-2) .....                       | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/>        |
| <input type="radio"/> Pond/Wetland System (W-3) .....                              | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/>        |
| <input type="radio"/> Pocket Wetland (W-4) .....                                   | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/>        |
| <input type="radio"/> Wet Swale (O-2) .....                                        | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/>        |

| Table 2 - Alternative SMPs<br>(DO NOT INCLUDE PRACTICES BEING USED FOR PRETREATMENT ONLY)                                                                                                                                                                 |  | Total Contributing<br>Impervious Area (acres) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| <u>Alternative SMP</u>                                                                                                                                                                                                                                    |  |                                               |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <input type="radio"/> Hydrodynamic .....                                                                                                                                                                                                                  |  |                                               |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <input type="radio"/> Wet Vault .....                                                                                                                                                                                                                     |  |                                               |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <input type="radio"/> Media Filter .....                                                                                                                                                                                                                  |  |                                               |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <input type="radio"/> Other <table border="1"><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table> ..... |  |                                               |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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Provide the name and manufacturer of the Alternative SMPs (i.e. proprietary practice(s)) being used for WQv treatment.

Name 

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Manufacturer 

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**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.

[illegible][illegible]

30. Indicate the Total RRv provided by the RR techniques (Area/Volume Reduction) and Standard SMPs with RRv capacity identified in question 29.

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 acre-feet

- If Yes, go to question 36.  
If No, go to question 32.

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|  |  |  |
|--|--|--|
- acre-feet

- 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

[illegible]

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

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| ○ SPDES Multi-Sector GP | N | Y | R |  |  |  |  |  |  |
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☐ Other

☐ None

41. Does this project require a US Army Corps of Engineers Wetland Permit? ☐ ☐ ☐ ☐ ☐ ☐

☐ Yes    ☒ No

| Weekend Period:                  |  |  |  |  |   |
|----------------------------------|--|--|--|--|---|
| If Yes, Indicate Size of Impact. |  |  |  |  | . |
|                                  |  |  |  |  |   |

42. Is this project subject to the requirements of a regulated, traditional land use control MS4?  
(If No, skip question 43)

☒ Yes      ☐ No

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. 

|   |   |   |  |  |  |  |
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| N | Y | R |  |  |  |  |  |  |
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| Owner/Operator Certification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| <p>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.</p> |                                                                                      |
| <b>Print First Name</b><br><div style="border: 1px solid black; height: 30px; width: 100%;"></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>MI</b><br><div style="border: 1px solid black; height: 30px; width: 100%;"></div> |
| <b>Print Last Name</b><br><div style="border: 1px solid black; height: 30px; width: 100%;"></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                      |
| <b>Owner/Operator Signature</b><br><div style="border: 1px solid black; height: 60px; width: 100%;"></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                      |
| <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="width: 60%;"> <b>Date</b><br/> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; width: 40px; height: 30px;"></div> <div style="font-size: 24px;">/</div> <div style="border: 1px solid black; width: 40px; height: 30px;"></div> <div style="font-size: 24px;">/</div> <div style="border: 1px solid black; width: 60px; height: 30px;"></div> </div> </div> </div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                      |

Print First Name

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**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)

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**STORMWATER POLLUTION PREVENTION PLAN  
GENERAL CONTRACTOR'S CERTIFICATION**

**Construction Site:**

STORMWATER POLLUTION PREVENTION PLAN

**GENERAL CONTRACTOR'S CERTIFICATION:**

"I certify under penalty of law that I understand and agree to comply with the terms and conditions of the SWPPP for the construction site identified in such SWPPP as a condition of authorization to discharge stormwater. I also understand that the operator must comply with the terms and conditions 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."

Name: \_\_\_\_\_  
(Print)

Signature: \_\_\_\_\_

Title: \_\_\_\_\_

Company Name: \_\_\_\_\_

Address: \_\_\_\_\_

Telephone Number: \_\_\_\_\_

Date: \_\_\_\_\_

Scope of Services: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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**STORMWATER POLLUTION PREVENTION PLAN  
SUBCONTRACTOR'S CERTIFICATION**

**Construction Site:**

STORMWATER POLLUTION PREVENTION PLAN

**SUBCONTRACTOR'S CERTIFICATION:**

NYS-DEC SPDES General Permit Contractor's Certification Statement

"I certify under penalty of law that I understand and agree to comply with the terms and conditions of the SWPPP for the construction site identified in such SWPPP as a condition of authorization to discharge stormwater. I also understand that the operator must comply with the terms and conditions 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."

Name: \_\_\_\_\_  
(Print)

Signature: \_\_\_\_\_

Title: \_\_\_\_\_

Company Name: \_\_\_\_\_

Address: \_\_\_\_\_

Telephone Number: \_\_\_\_\_

Date: \_\_\_\_\_

Scope of Services: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



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## **APPENDIX B**

### Erosion and Sediment Control Measures For Individual Lot Construction

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**APPENDIX D**

**EROSION & SEDIMENT CONTROL PLAN**

**FOR SMALL HOMESITE CONSTRUCTION**

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Appendix prepared by:

Paula Smith, CPESC, CPSWQ  
Former Stormwater Management Specialist  
New York State Department of Environmental  
Conservation, Region 8 and the NYS DEC General  
Permits Section Staff, Central Office, Albany



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# EROSION AND SEDIMENT CONTROL PLAN FOR SMALL HOMESITE CONSTRUCTION

## Definition

Small homesite erosion and sediment control plans are a group of minimum erosion and sediment control practices and management techniques that apply to small homesite construction activity on a single residential lot, in order to prevent polluted discharge.

## Purpose

This appendix lays out a series of minimum requirements for erosion and sediment control, and management practices that may be used to meet these requirements. Use of these templates will help show compliance with the general requirements for construction activities that require basic stormwater pollution prevention plans (SWPPP). This applies to the construction of small homesites. The owner/developer must complete the relevant conditions (1-4), or small parcel erosion and sediment control plan included in this section, and submit the NOI in order to meet compliance with the SPDES General Permit for Stormwater Discharges From Construction Activities.

## Criteria

Generally, several types of practices are required on any one site for effective erosion and sediment control. There are three broad categories of construction-related practices for controlling erosion and sediment on small homesite developments:

1. **Cover practices** prevent erosion by protecting the soil surface from rainfall and runoff. Prevention of erosion is the most preferable and cost-effective approach. These practices include: protection of existing vegetation; temporary covering of exposed soil by mulching, matting, or covering; and permanent site stabilization by topsoiling, seeding, and/or sodding.
2. **Structural Practices** are structural controls that either reduce erosion, control runoff, or keep sediment on the construction site. Examples of these practices include stabilized construction entrances, silt fences, sediment traps, berms, and check dams.
3. **Management Measures** are construction management methods that prevent or reduce erosion potential and ensure the proper functioning of erosion and sediment control practices. Careful construction management can dramatically reduce the costs associated with erosion and sediment problems. Examples of these management measures include:
  - Preserving existing trees and grass where possible

to prevent erosion;

- Decompacting and re-vegetating the site as soon as possible;
- Locating soil piles away from roads or waterways;
- Limiting tracking of mud onto streets by requiring all vehicles to use designated access drives;
- Removing sediment carried off-site by vehicles or storms;
- Installing downspout extenders to prevent erosion from roof runoff; and
- Maintaining erosion and sediment practices through sediment removal, structure replacement, etc.

## Specifications

Each construction site is different. The owner/developer of a small construction site may choose and follow one of the four variations of ESC plans included in this section to develop a SWPPP in compliance with the SPDES Construction Permit For Stormwater Discharges From Construction Activities. However, because of the general nature of the following conditions, **the plans included in this section may not cover all of the resource protection needs on a particular site, and this form does not exempt an owner from the responsibility of filing an NOI, if required.**

## Small Homesite Minimum Requirements:

### **1. Stabilized Construction Entrance:**

To prevent vehicles and equipment from tracking sediment and mud off-site, apply gravel or crushed rock to the driveway area and restrict traffic to this one route. This practice will help keep soil from sticking to tires and stop soil from washing off into the street. Carry out periodic inspections and maintenance including washing, top-dressing with additional stone, reworking, and compaction. Plan for periodic street cleaning to remove any sediment that may have been tracked off-site. Remove sediment by shoveling or sweeping and transport to a suitable disposal area where it can be stabilized.

### **2. Stabilization of Denuded Areas:**

In areas where soil disturbance activity has temporarily or permanently ceased, the application of soil stabilization measures must be initiated by the end of the next business day and completed within fourteen (14) days from the date the current soil disturbance activity ceased. For construction sites that directly discharge to one of the 303 (d) segments listed in the Construction General Permit or is

located in one of the watersheds listed in Appendix C, the application of soil stabilization measures must be initiated by the end of the next business day and completed within seven (7) days from the date the current soil disturbance activity ceased.

Stabilize disturbed areas by implementing soil covering practices (e.g. mulching, matting, sodding). Exposed soils are the most prone to erosion from rainfall and runoff. Vegetation helps protect the soil from these forces and provides natural erosion control. Plan construction to limit the amount of exposed area, and avoid grading activities during the rainy season (November through March) as much as possible. Clearing limits should be clearly marked and kept as small as possible. Once construction is completed, the site must be permanently stabilized with topsoiling, seeding and plantings, or sodding if needed.

### **3. Protection of Adjacent Properties:**

Keep sediment on-site by using structural and source control practices (e.g. vegetative buffer strips, sediment barriers, soil berms or dikes, etc). See Sections 3, 4, or 5 as appropriate. Wherever possible, preserve a buffer of existing vegetation around the site boundary. This will help to decrease runoff velocities and trap sediment suspended in the runoff. Other structural controls such as filter fence or straw bale barriers should also be used to filter runoff and trap sediment on-site.

When excavating basement soils, move the soil to a location that is, or will be, vegetated, such as in the backyard or side yard area. This will increase the distance eroded soil must travel, through vegetation, to reach the storm sewer system. Piles should be situated so that sediment does not run into the street or adjoining yards. Soil piles should be temporarily seeded and circled with silt fence until the soil is either replaced or removed. Backfill basement walls as soon as possible and rough grade the lot. This will eliminate the large soil mounds, which are highly erodible, and prepare the lot for temporary cover. After backfilling, grade or remove excess soil from the site quickly, to eliminate any sediment loss from surplus fill.

### **4. Concentrated Flow:**

For constructed drainage ways, or other areas of concentrated flow, install check dams according to the specifications on page E.12 to reduce erosion in the channel. As with other erosion controls, check dams must be inspected regularly. Remove sediment accumulated behind the dam as needed to allow channel to drain through the stone check dam and prevent large flows from carrying sediment over the dam. Replace stones as needed to maintain the design cross section of the structures. Sediment removal is crucial to the effectiveness of the

dam—if not maintained, high flows could cause erosion around the sides of the structures, adding significant sediment loads downstream.

### **5. Maintenance:**

Maintain erosion and sediment control practices through regular inspection. Regular maintenance is extremely important for the proper operation of structural practices. After initial groundbreaking, the responsible contractor shall conduct daily maintenance inspections within the active work area to ensure practices are being maintained in effective operating conditions at all times.

### **6. Soil Restoration:**

Soils that have been disturbed and compacted due to construction activities should be de-compacted to restore their previous hydrologic condition. This normally involves aeration of small areas for home sites. Large areas should be restored in accordance with the Soil Restoration standard in Section 4 of this book of standards.

### **7. Other Practices:**

Use additional practices as required by the local plan approval authority to mitigate effects of increased runoff. This may include providing additional controls to a locally protected stream or resource area, protecting riparian corridors (vegetative stream buffers), etc. Individual homeowners and/or developers are responsible for researching additional requirements related to erosion and sediment runoff control established by their local jurisdictions.

**Figure D.1**  
**Erosion Control Plan Condition 1**

|                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>EROSION CONTROL PLAN LEGEND</b><br>——— PROPERTY LINE<br>- - - EXISTING DRAINAGE<br>- - - FINISHED DRAINAGE<br>- - - LIMITS OF GRADING<br>●—● STRAW BALES<br>■—■ SILT FENCE<br>① VEGETATION SPECIFICATION<br>* TREE PRESERVATION<br>STOCKPILED SOIL<br>GRAVEL                                                                                                                                                             | <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> </div> <div style="width: 45%;"> <p><b>NOTES:</b></p> <p>1. On moderate slopes, up to 8 percent, silt fence and straw bales may be used interchangeably.</p> <p>2. Slopes exceeding 25 percent shall have silt fence backed by straw bales for support.</p> <p>3. Use additional practices as required by the local plan approval authority to mitigate effects of post construction runoff.</p> </div> </div> <div style="margin-top: 20px;"> <p>3. Use additional practices as required by local code enforcement or as needed to mitigate water quality impacts.</p> </div> |
| <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p align="center"><b>NEW YORK STATE DEPARTMENT OF TRANSPORTATION,<br/>NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION,<br/>NEW YORK STATE SOIL &amp; WATER CONSERVATION COMMITTEE</b></p> </div> <div style="width: 45%; text-align: right;"> <p align="right"><b>EROSION CONTROL<br/>PLAN CONDITION 1</b></p> </div> </div> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

|                 |                          |  |
|-----------------|--------------------------|--|
| STREET          | EXISTING CURB AND GUTTER |  |
| PROPERTY OWNER: |                          |  |
| CONTRACTOR:     |                          |  |
| SOIL TYPE:      |                          |  |
| SLOPE:          |                          |  |

|                              |                 |             |
|------------------------------|-----------------|-------------|
| PROJECT LOCATION:            | PROPERTY OWNER: | CONTRACTOR: |
| ANTICIPATED STARTING DATE:   |                 |             |
| ANTICIPATED COMPLETION DATE: |                 |             |

# Condition 1—Vegetative Requirements & Compliance Form

## Vegetation Requirements:

### 1) Site Preparation

- A. Install needed water and erosion control measures and bring area to be seeded to desired grades using a minimum of 4 in. topsoil.
- B. Prepare seedbed by loosening soil to a depth of 4-6 inches.
- C. Lime to a pH of 6.5
- D. Fertilize as per soil test or, if fertilizer must be applied before soil test results are received, apply 850 pounds of 5-10-10 or equivalent per acre (20 lbs/1,000 sq. ft.)
- E. Incorporate lime and fertilizer in top 2-4 inches of topsoil.
- F. Smooth. Remove all stones over 1 inch in diameter, sticks, and foreign matter from the surface. Firm the seedbed.

### 2) Planting—Sunny Location.

Upon completing soil de-compaction, 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 hydroseeded, lime and fertilizer may be applied through the seeder and rolling is not practical. Seed using the following mix and rates:

| Species (% by weight)                       | lbs/1,000sq. ft | lbs./acre |
|---------------------------------------------|-----------------|-----------|
| 65% Kentucky bluegrass blend.....           | 2.0-2.6.....    | 85-114    |
| 20% perennial ryegrass.....                 | 0.6-0.8.....    | 26-35     |
| 15% fine fescue.....                        | 0.4-0.6.....    | 19-26     |
| Total.....                                  | 3.0-4.0.....    | 130-175   |
| or,                                         |                 |           |
| 100% Tall fescue, Turf-type, fine leaf..... | 3.4-4.6.....    | 150-200   |

- 3) When using the cultipacker or broadcast seed method, mulch using small grain straw, applied at a rate of 2 tons per acre; and anchor with a netting or tackifier. Hydroseed applications should include mulch, fertilizer and seed.

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. Fertilizing—First year, (spring seedlings) three to four weeks after germination apply 1 pound nitrogen/1,000 square feet using a complete fertilizer with a 2-1-1 or 4-1-3 ratio or as recommended by soil test results. For summer and early fall seedings, apply as above unless air temperatures are above 85°F for extended period. Wait until heat wave is over to fertilize. For late fall/ winter seedings, fertilize in spring. Restrict use—new seedlings should be protected from use for one full year to allow development of a dense sod with good root structure.

## Certification Statement

Please complete and sign this 2-sided document (with Typical Erosion Control Plan) and attach to BLUEPRINTS and SITE PLAN prior to any earth disturbance. These documents must be kept on site and be available for review as requested by any agent of the NYSDEC. **This 2-sided form can be used as a basic stormwater pollution prevention plan, but will not exempt a landowner from filing a Notice of Intent.**

"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 inspectors during a site inspection. I also understand that the owner or operator must comply with the term 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 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 know violations."

Builder/Contractor (print)

Signature

Address



**Figure D.2**  
**Erosion Control Plan Condition 2**

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                        |                   |                 |                            |             |                              |            |  |        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-----------------|----------------------------|-------------|------------------------------|------------|--|--------|
| <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p><b>EROSION CONTROL PLAN LEGEND</b></p> <p>PROPERTY LINE</p> <p>EXISTING DRAINAGE</p> <p>FINISHED DRAINAGE</p> <p>LIMITS OF GRADING</p> <p>STRAW BALES</p> <p>SILT FENCE</p> <p>VEGETATION SPECIFICATION</p> <p>TREE PRESERVATION</p> <p>STOCKPILED SOIL</p> <p>GRAVEL</p> </div> <div style="width: 50%;"> <p><b>NOTES:</b></p> <p>1. On moderate slopes, up to 8 percent, silt fence and straw bales may be used interchangeably.</p> <p>2. Slopes exceeding 25 percent shall have silt fence backed by straw bales for support.</p> <p>3. Use additional practices as required by the local plan approved by the local plan approval authority to mitigate effects of post construction runoff.</p> </div> </div> <div style="margin-top: 20px;"> </div> | <p align="center"><b>EXISTING CURB AND GUTTER</b></p> <p align="center"><b>STREET</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">PROJECT LOCATION:</td> <td>PROPERTY OWNER:</td> </tr> <tr> <td>ANTICIPATED STARTING DATE:</td> <td>CONTRACTOR:</td> </tr> <tr> <td>ANTICIPATED COMPLETION DATE:</td> <td>SOIL TYPE:</td> </tr> <tr> <td></td> <td>SLOPE:</td> </tr> </table> | PROJECT LOCATION: | PROPERTY OWNER: | ANTICIPATED STARTING DATE: | CONTRACTOR: | ANTICIPATED COMPLETION DATE: | SOIL TYPE: |  | SLOPE: |
| PROJECT LOCATION:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | PROPERTY OWNER:                                                                                                                                                                                                                                                                                                                                                                                                                        |                   |                 |                            |             |                              |            |  |        |
| ANTICIPATED STARTING DATE:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | CONTRACTOR:                                                                                                                                                                                                                                                                                                                                                                                                                            |                   |                 |                            |             |                              |            |  |        |
| ANTICIPATED COMPLETION DATE:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | SOIL TYPE:                                                                                                                                                                                                                                                                                                                                                                                                                             |                   |                 |                            |             |                              |            |  |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | SLOPE:                                                                                                                                                                                                                                                                                                                                                                                                                                 |                   |                 |                            |             |                              |            |  |        |
| <div style="display: flex; justify-content: space-between;"> <div style="width: 60%;"> <p align="center">NEW YORK STATE DEPARTMENT OF TRANSPORTATION,<br/>NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION,<br/>NEW YORK STATE SOIL &amp; WATER CONSERVATION COMMITTEE</p> </div> <div style="width: 35%; text-align: center;"> <p><b>EROSION CONTROL<br/>PLAN CONDITION 2</b></p> </div> </div>                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                        |                   |                 |                            |             |                              |            |  |        |

## Condition 2—Vegetative Requirements & Compliance Form

### Vegetation Requirements:

#### 1) Site Preparation

- A. Install needed water and erosion control measures and bring area to be seeded to desired grades using a minimum of 4 in. topsoil.
- B. Prepare seedbed by loosening soil to a depth of 4-6 inches.
- C. Lime to a pH of 6.5
- D. Fertilize as per soil test or, if fertilizer must be applied before soil test results are received, apply 850 pounds of 5-10-10 or equivalent per acre (20 lbs/1,000 sq. ft.)
- E. Incorporate lime and fertilizer in top 2-4 inches of topsoil.
- F. Smooth. Remove all stones over 1 inch in diameter, sticks, and foreign matter from the surface. Firm the seedbed.

#### 2) Planting—Sunny Location.

Upon completing soil de-compaction, 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 hydroseeded, lime and fertilizer may be applied through the seeder and rolling is not practical. Seed using the following mix and rates:

| <u>Species (% by weight)</u>                | <u>lbs/1,000sq. ft</u> | <u>lbs./acre</u> |
|---------------------------------------------|------------------------|------------------|
| 65% Kentucky bluegrass blend.....           | 2.0-2.6.....           | 85-114           |
| 20% perennial ryegrass.....                 | 0.6-0.8.....           | 26-35            |
| 15% fine fescue.....                        | 0.4-0.6.....           | 19-26            |
| Total.....                                  | 3.0-4.0.....           | 130-175          |
| or,                                         |                        |                  |
| 100% Tall fescue, Turf-type, fine leaf..... | 3.4-4.6.....           | 150-200          |

- 3) When using the cultipacker or broadcast seed method, mulch using small grain straw, applied at a rate of 2 tons per acre; and anchor with a netting or tackifier. Hydroseed applications should include mulch, fertilizer and seed.

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. Fertilizing—First year, (spring seedlings) three to four weeks after germination apply 1 pound nitrogen/1,000 square feet using a complete fertilizer with a 2-1-1 or 4-1-3 ratio or as recommended by soil test results. For summer and early fall seedings, apply as above unless air temperatures are above 85°F for extended period. Wait until heat wave is over to fertilize. For late fall/ winter seedings, fertilize in spring. Restrict use—new seedlings should be protected from use for one full year to allow development of a dense sod with good root structure.

### Certification Statement

Please complete and sign this 2-sided document (with Typical Erosion Control Plan) and attach to BLUEPRINTS and SITE PLAN prior to any earth disturbance. These documents must be kept on site and be available for review as requested by any agent of the NYSDEC. **This 2-sided form can be used as a basic stormwater pollution prevention plan, but will not exempt a landowner from filing a Notice of Intent.**

"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 inspectors during a site inspection. I also understand that the owner or operator must comply with the term 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 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 know violations."

Builder/Contractor (print)

Signature

Address

**Figure D.3**  
**Erosion Control Plan Condition 3**

|                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                |                                             |             |                            |  |  |                              |  |  |  |            |        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|-------------|----------------------------|--|--|------------------------------|--|--|--|------------|--------|
| <p><b>EROSION CONTROL PLAN LEGEND</b></p> <p>— — — — — PROPERTY LINE</p> <p>— — — — — EXISTING DRAINAGE</p> <p>— — — — — FINISHED DRAINAGE</p> <p>— — — — — LIMITS OF GRADING</p> <p>● — — — — — STRAW BALES</p> <p>■ — — — — — SILT FENCE</p> <p>① — — — — — VEGETATION SPECIFICATION</p> <p>⊙ — — — — — TREE PRESERVATION</p> <p>▨ — — — — — STOCKPILED SOIL</p> <p>▩ — — — — — GRAVEL</p>                                 | <p><b>NOTES:</b></p> <p>1. On moderate slopes, up to 8 percent, silt fence and straw bales may be used interchangeably.</p> <p>2. Slopes exceeding 25 percent shall have silt fence backed by straw bales for support.</p> <p>3. Use additional practices as required by the local plan approval authority to mitigate effects of post construction runoff.</p> |                                                                                                                                                                |                                             |             |                            |  |  |                              |  |  |  |            |        |
| <p style="text-align: center;">Placed on the Contour</p>                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                |                                             |             |                            |  |  |                              |  |  |  |            |        |
| <p align="center">STREET</p> <p align="center">EXISTING CURB AND GUTTER</p>                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                |                                             |             |                            |  |  |                              |  |  |  |            |        |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">PROJECT LOCATION:</td> <td style="width: 33%;">PROPERTY OWNER:</td> <td style="width: 33%;">CONTRACTOR:</td> </tr> <tr> <td>ANTICIPATED STARTING DATE:</td> <td></td> <td></td> </tr> <tr> <td>ANTICIPATED COMPLETION DATE:</td> <td></td> <td></td> </tr> <tr> <td></td> <td>SOIL TYPE:</td> <td>SLOPE:</td> </tr> </table> |                                                                                                                                                                                                                                                                                                                                                                 | PROJECT LOCATION:                                                                                                                                              | PROPERTY OWNER:                             | CONTRACTOR: | ANTICIPATED STARTING DATE: |  |  | ANTICIPATED COMPLETION DATE: |  |  |  | SOIL TYPE: | SLOPE: |
| PROJECT LOCATION:                                                                                                                                                                                                                                                                                                                                                                                                            | PROPERTY OWNER:                                                                                                                                                                                                                                                                                                                                                 | CONTRACTOR:                                                                                                                                                    |                                             |             |                            |  |  |                              |  |  |  |            |        |
| ANTICIPATED STARTING DATE:                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                |                                             |             |                            |  |  |                              |  |  |  |            |        |
| ANTICIPATED COMPLETION DATE:                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                |                                             |             |                            |  |  |                              |  |  |  |            |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                              | SOIL TYPE:                                                                                                                                                                                                                                                                                                                                                      | SLOPE:                                                                                                                                                         |                                             |             |                            |  |  |                              |  |  |  |            |        |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;"> NEW YORK STATE DEPARTMENT OF TRANSPORTATION,<br/> NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION,<br/> NEW YORK STATE SOIL &amp; WATER CONSERVATION COMMITTEE </td> <td style="width: 40%; text-align: center;"> <b>EROSION CONTROL<br/>PLAN CONDITION 3</b> </td> </tr> </table>                                  |                                                                                                                                                                                                                                                                                                                                                                 | NEW YORK STATE DEPARTMENT OF TRANSPORTATION,<br>NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION,<br>NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE | <b>EROSION CONTROL<br/>PLAN CONDITION 3</b> |             |                            |  |  |                              |  |  |  |            |        |
| NEW YORK STATE DEPARTMENT OF TRANSPORTATION,<br>NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION,<br>NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE                                                                                                                                                                                                                                                               | <b>EROSION CONTROL<br/>PLAN CONDITION 3</b>                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                |                                             |             |                            |  |  |                              |  |  |  |            |        |

## Condition 3—Vegetative Requirements & Compliance Form

### Vegetation Requirements:

#### 1) Site Preparation

- A. Install needed water and erosion control measures and bring area to be seeded to desired grades using a minimum of 4 in. topsoil.
- B. Prepare seedbed by loosening soil to a depth of 4-6 inches.
- C. Lime to a pH of 6.5
- D. Fertilize as per soil test or, if fertilizer must be applied before soil test results are received, apply 850 pounds of 5-10-10 or equivalent per acre (20 lbs/1,000 sq. ft.)
- E. Incorporate lime and fertilizer in top 2-4 inches of topsoil.
- F. Smooth. Remove all stones over 1 inch in diameter, sticks, and foreign matter from the surface. Firm the seedbed.

#### 2) Planting—Sunny Location.

Upon completing soil de-compaction, 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 hydroseeded, lime and fertilizer may be applied through the seeder and rolling is not practical. Seed using the following mix and rates:

| Species (% by weight)                       | lbs/1,000sq. ft | lbs./acre |
|---------------------------------------------|-----------------|-----------|
| 65% Kentucky bluegrass blend.....           | 2.0-2.6.....    | 85-114    |
| 20% perennial ryegrass.....                 | 0.6-0.8.....    | 26-35     |
| 15% fine fescue.....                        | 0.4-0.6.....    | 19-26     |
| Total.....                                  | 3.0-4.0.....    | 130-175   |
| or,                                         |                 |           |
| 100% Tall fescue, Turf-type, fine leaf..... | 3.4-4.6.....    | 150-200   |

- 3) When using the cultipacker or broadcast seed method, mulch using small grain straw, applied at a rate of 2 tons per acre; and anchor with a netting or tackifier. Hydroseed applications should include mulch, fertilizer and seed.

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. Fertilizing—First year, (spring seedlings) three to four weeks after germination apply 1 pound nitrogen/1,000 square feet using a complete fertilizer with a 2-1-1 or 4-1-3 ratio or as recommended by soil test results. For summer and early fall seedings, apply as above unless air temperatures are above 85°F for extended period. Wait until heat wave is over to fertilize. For late fall/ winter seedings, fertilize in spring. Restrict use—new seedlings should be protected from use for one full year to allow development of a dense sod with good root structure.

### Certification Statement

Please complete and sign this 2-sided document (with Typical Erosion Control Plan) and attach to BLUEPRINTS and SITE PLAN prior to any earth disturbance. These documents must be kept on site and be available for review as requested by any agent of the NYSDEC. **This 2-sided form can be used as a basic stormwater pollution prevention plan, but will not exempt a landowner from filing a Notice of Intent.**

"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 inspectors during a site inspection. I also understand that the owner or operator must comply with the term 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 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 know violations."

Builder/Contractor (print)

Signature

Address

**Figure D.4**  
**Erosion Control Plan Condition 4**

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| <p><b>EROSION CONTROL PLAN LEGEND</b></p> <p>— PROPERTY LINE</p> <p>- - - EXISTING DRAINAGE</p> <p>- - - FINISHED DRAINAGE</p> <p>- - - LIMITS OF GRADING</p> <p>● STRAW BALES</p> <p>■ SILT FENCE</p> <p>① VEGETATION SPECIFICATION</p> <p>⊙ TREE PRESERVATION</p> <p>▨ STOCKPILED SOIL</p> <p>▩ GRAVEL</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <p><b>NOTES:</b></p> <p>1. On moderate slopes, up to 8 percent, silt fence and straw bales may be used interchangeably.</p> <p>2. Slopes exceeding 25 percent shall have silt fence backed by straw bales for support.</p> <p>3. Use additional practices as required by the local plan approval authority to mitigate effects of post construction runoff.</p> | <p><b>EXISTING CURB AND GUTTER</b></p> <p>STREET</p> <p>PROPERTY OWNER:</p> <p>CONTRACTOR:</p> <p>SOIL TYPE:</p> <p>SLOPE:</p> |
| <p>The diagram illustrates a property layout for an erosion control plan. It shows a 'HOUSE' and a 'GARAGE' situated next to a 'STABILIZED CONSTRUCTION ENTRANCE'. A '25' BUFFER' is indicated along the property line. The plan includes a legend for various erosion control measures: Property Line, Existing/Finished Drainage, Limits of Grading, Straw Bales, Silt Fence, Vegetation Specification, Tree Preservation, Stockpiled Soil, and Gravel. Notes specify that on moderate slopes (up to 8%), silt fences and straw bales can be used interchangeably, and that slopes exceeding 25% require silt fences backed by straw bales. It also states that additional practices may be required by local plan approval authorities to mitigate post-construction runoff.</p> |                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                |
| <p>NEW YORK STATE DEPARTMENT OF TRANSPORTATION,<br/>NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION,<br/>NEW YORK STATE SOIL &amp; WATER CONSERVATION COMMITTEE</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                |
| <p><b>EROSION CONTROL PLAN CONDITION 4</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                |



## Condition 4—Vegetative Requirements & Compliance Form

### Vegetation Requirements:

#### 1) Site Preparation

- A. Install needed water and erosion control measures and bring area to be seeded to desired grades using a minimum of 4 in. topsoil.
- B. Prepare seedbed by loosening soil to a depth of 4-6 inches.
- C. Lime to a pH of 6.5
- D. Fertilize as per soil test or, if fertilizer must be applied before soil test results are received, apply 850 pounds of 5-10-10 or equivalent per acre (20 lbs/1,000 sq. ft.)
- E. Incorporate lime and fertilizer in top 2-4 inches of topsoil.
- F. Smooth. Remove all stones over 1 inch in diameter, sticks, and foreign matter from the surface. Firm the seedbed.

#### 2) Planting—Sunny Location.

Upon completing soil de-compaction, 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 hydroseeded, lime and fertilizer may be applied through the seeder and rolling is not practical. Seed using the following mix and rates:

| Species (% by weight)                       | lbs/1,000sq. ft | lbs./acre |
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| 15% fine fescue.....                        | 0.4-0.6.....    | 19-26     |
| Total.....                                  | 3.0-4.0.....    | 130-175   |
| or,                                         |                 |           |
| 100% Tall fescue, Turf-type, fine leaf..... | 3.4-4.6.....    | 150-200   |

- 3) When using the cultipacker or broadcast seed method, mulch using small grain straw, applied at a rate of 2 tons per acre; and anchor with a netting or tackifier. Hydroseed applications should include mulch, fertilizer and seed.

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. Fertilizing—First year, (spring seedlings) three to four weeks after germination apply 1 pound nitrogen/1,000 square feet using a complete fertilizer with a 2-1-1 or 4-1-3 ratio or as recommended by soil test results. For summer and early fall seedings, apply as above unless air temperatures are above 85°F for extended period. Wait until heat wave is over to fertilize. For late fall/ winter seedings, fertilize in spring. Restrict use—new seedlings should be protected from use for one full year to allow development of a dense sod with good root structure.

### Certification Statement

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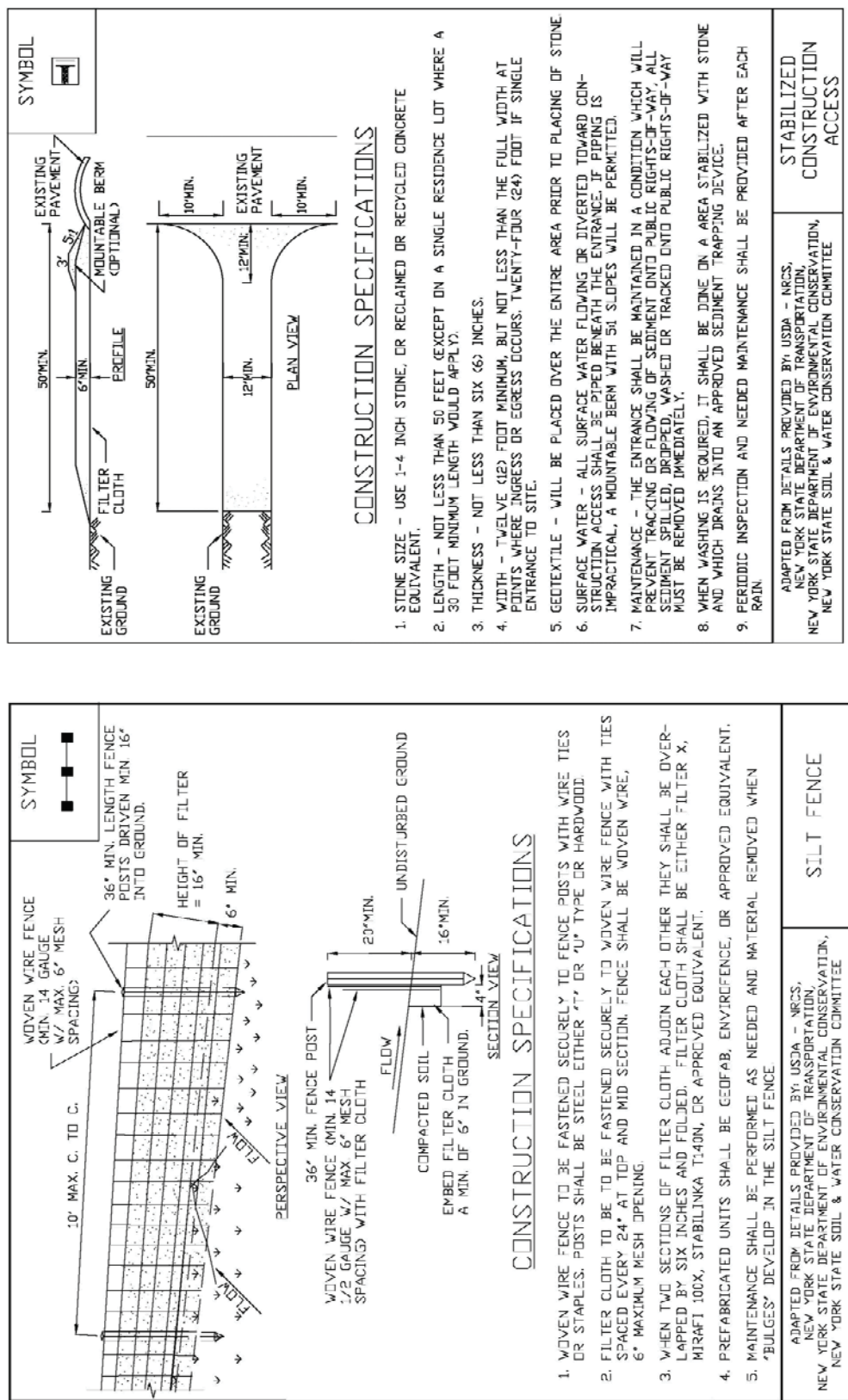
"I hereby certify under penalty of law that I understand and agree to comply with the terms and conditions of the SWPPP and agree to implement any corrective actions identified by the qualified inspectors during a site inspection. I also understand that the owner or operator must comply with the term 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 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 know violations."

Builder/Contractor (print)

Signature

Address

**Figure D.5**  
**Construction Details for Stabilized Construction Entrance and Silt**



**SYMBOL**

● ● ●

4" VERTICAL FACE

FLOW

BEDDING DETAIL  
NOT TO SCALE

DRAINAGE AREA NO MORE THAN 1/4 ACRE PER 100 FEET OF STRAW BALE DIKE FOR SLOPES LESS THAN 25%.

ANGLE FIRST STAKE TOWARDS PREVIOUSLY LAID BALE.

FLOW

BOUND BALES PLACED ON CONTOUR.

2 RE-BARS, STEEL PICKETS OR 2"x2" STAKES PLACED 1 1/2' TO 2' IN GROUND. DRIVE STAKES FLUSH WITH TOP OF BALE.

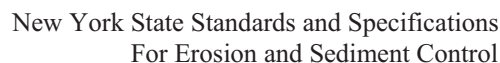
ANCHORING DETAIL  
NOT TO SCALE

### CONSTRUCTION SPECIFICATIONS

1. BALES SHALL BE PLACED AT THE TOE OF A SLOPE OR ON THE CONTOUR AND IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
2. EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF (4) INCHES, AND PLACED SO THE BINDINGS ARE HORIZONTAL.
3. BALES SHALL BE SECURELY ANCHORED IN PLACE BY EITHER TWO STAKES OR RE-BARS DRIVEN THROUGH THE BALE. THE FIRST STAKE IN EACH BALE SHALL BE DRIVEN TOWARD THE PREVIOUSLY LAID BALE AT AN ANGLE TO FORCE THE BALES TOGETHER. STAKES SHALL BE DRIVEN FLUSH WITH THE BALE.
4. INSPECTION SHALL BE FREQUENT AND REPAIR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
5. BALES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.

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

STRAW BALE  
DIKE



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## **APPENDIX C**

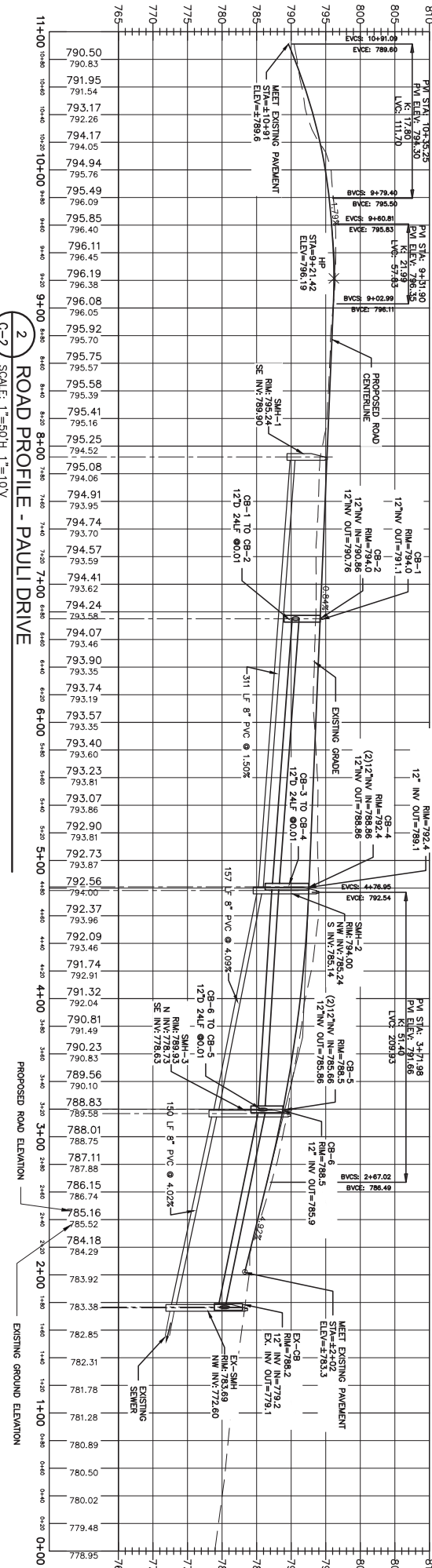
### Site Plan and Details



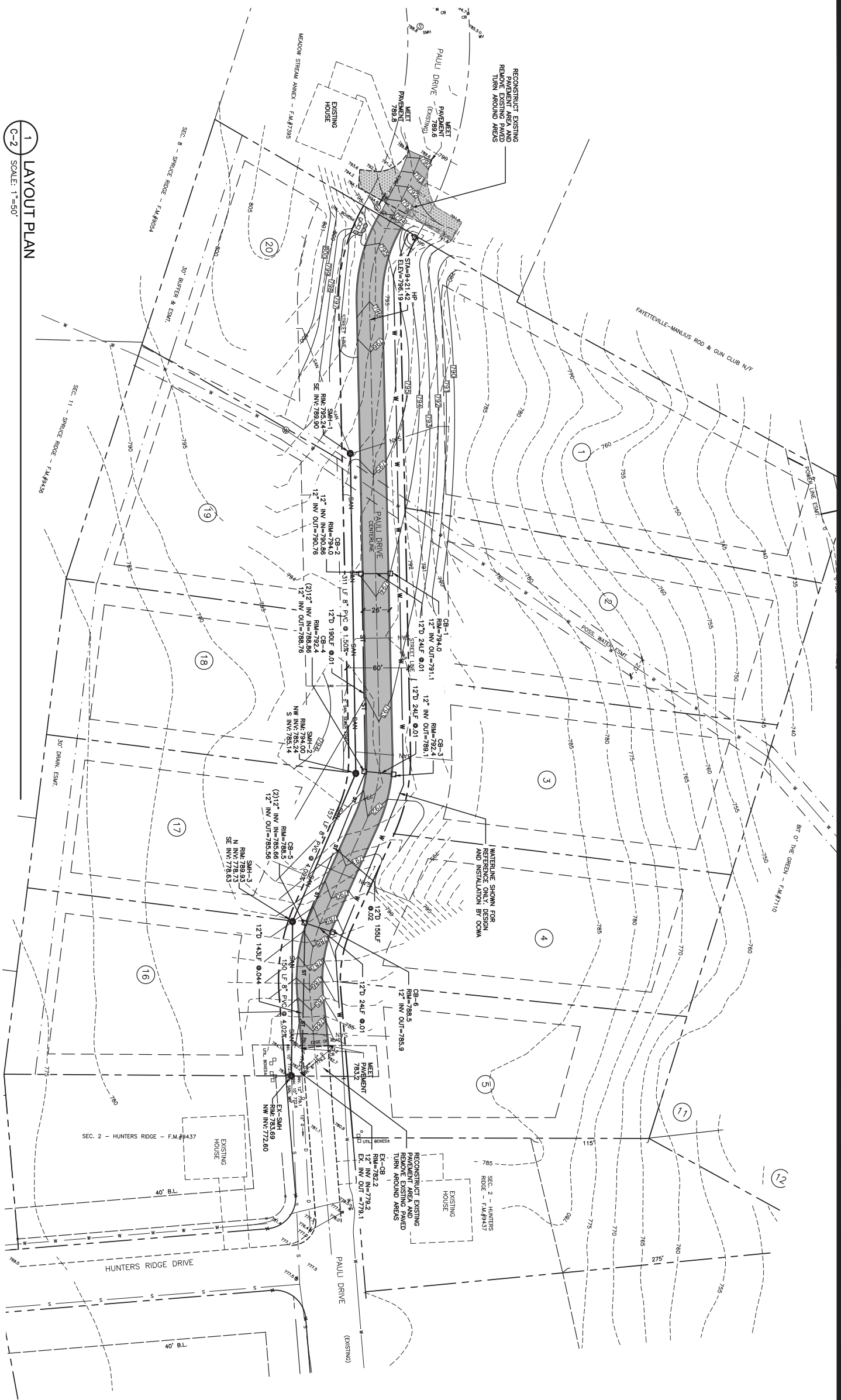
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Elevation



Elevation



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NAPIERALA CONSULTING

IT IS A VIOLATION OF LAW FOR ANY  
PERSON, UNLESS ACTING UNDER THE  
DIRECTION OF A LICENSED ARCHITECT,  
PROFESSIONAL ENGINEER,  
LANDSCAPE ARCHITECT, OR LAND  
SURVEYOR TO ALTER ANY ITEM ON  
THIS DOCUMENT IN ANY WAY.

ANY LICENSEE WHO ALTERS THIS  
DOCUMENT IS REQUIRED BY LAW TO  
AFFIX HIS OR HER SEAL AND THE  
NOTATION "ALTERED BY" FOLLOWED  
BY HIS OR HER SIGNATURE AND  
SPECIFIC DESCRIPTION OF THE  
ALTERATIONS.

PLAN SEAL BY:  
NEAL H. ZINSMEYER, JR. P.E.  
NYS REGISTRATION # 087211

PROJECT NO.

DATE

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30 JUNE 2021

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- EROSION AND SEDIMENT CONTROLS**
1. STABILIZATION PRACTICES (TEMPORARY)
    - a) TEMPORARY SEEDING AND PLANTING OF ALL UNPAVED AREAS WHEN CONSTRUCTION ACTIVITY HAS CEASED, OR WILL CEASE, IN AN AREA FOR 14 DAYS. SEEDING MIXTURES AND APPLICATION RATES ARE OUTLINED IN THE PROJECT'S STORMWATER POLLUTION PREVENTION PLAN (SWPPP).
    - b) FREQUENT WATERING TO MINIMIZE WIND EROSION DURING CONSTRUCTION.
  2. STABILIZATION PRACTICES (PERMANENT)
    - a) AS PART OF THE FINAL GRADING, THE CONTRACTOR SHALL BE DONE ONLY IN AREAS WHERE EARTHWORK WILL BE PERFORMED AND SHALL PROGRESS AS EARTHWORK IS NEEDED.
    - b) PERMANENT SEEDING AND PLANTING OF ALL UNPAVED AREAS.
  3. STRUCTURAL MEASURES TEMPORARY
    - a) STABILIZED CONSTRUCTION ENTRANCE SHALL BE PROVIDED. THE PURPOSE OF THE STABILIZED CONSTRUCTION ENTRANCE IS TO PREVENT EROSION AND SEDIMENT FROM ENTERING THE ADJACENT ROADWAY OR WATERWAY.
    - b) SILT FENCE SHALL BE INSTALLED AS SHOWN ON THE EROSION CONTROL PLAN. THE FABRIC SHALL MEET THE SPECIFICATIONS NOTED ON THE DETAILS UNLESS OTHERWISE APPROVED BY THE APPROPRIATE EROSION AND SEDIMENT CONTROL ENGINEER.
    - c) TO PREVENT SURFACE AND AIR MOVEMENT OF DUST FROM DISTURBED SOIL SURFACES THAT MAY CAUSE OFF-SITE DAMAGE, HEALTH HAZARDS, AND TRAFFIC SAFETY PROBLEMS.
  4. STRUCTURAL MEASURES (PERMANENT)
    - a) ROCK OUTLET PROTECTION: ROCK OUTLET PROTECTION IS A SECTION OF ROCK PROTECTION PLACED AT THE OUTLET END OF A ROADWAY OR WATERWAY TO PROTECT THE FLOW LINE OF THE RECEIVING DOWNSTREAM REACH. THE DEPTH, VELOCITY, AND ENERGY OF WATER SHOULD BE SUCH THAT THE FLOW WILL NOT ERODE THE RECEIVING DOWNSTREAM REACH.
    - b) ARMORED IN PLACE BY STAPLES OR OTHER MEANS TO AND IN CONTROLLING EROSION BY ABSORBING RAIN SPASH ENERGY.
    - c) LAND GRADING: PERMANENT RESHAPING OF THE EXISTING LAND SURFACE BY GRADING IN ACCORDANCE WITH AN ENGINEERING TOPOGRAPHIC PLAN AND SPECIFICATION TO PROVIDE EROSION CONTROL AND VEGETATIVE ESTABLISHMENT ON DISTURBED, REMAINDERS AREAS.

5. SEQUENCE OF MAJOR ACTIVITIES  
THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING THE ABOVE LISTED EROSION AND SEDIMENT CONTROL PRACTICES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DESIGNING, INSTALLING, MAINTAINING, AND REMOVING THESE PRACTICES. THE ORDER OF ACTIVITIES WILL BE AS FOLLOWS:
  - a) CONDUCT A PRECONSTRUCTION MEETING WITH ALL INVOLVED PARTIES.
  - b) CONSTRUCT TEMPORARY CONSTRUCTION ENTRANCE/EXIT AT THE LOCATION SHOWN ON THE EROSION CONTROL PLAN.
  - c) INSTALL PERIMETER SILT FENCE IN THE LOCATIONS SHOWN ON THE PLAN AND INDIVIDUAL HOME LOTS AS OUTLINED IN THE SWPPP.
  - d) SITE GRADING, IMPORT OF FILL MATERIAL TO RAISE SITE TO PROPOSED GRADE (OR SUB-GRADE, AS APPROPRIATE).
  - e) BUILDING FOUNDATION EXCAVATION (BUILDING CONSTRUCTION TO CONTINUE CONCURRENTLY WITH REMAINING SITE WORK).
  - f) DISTURBED AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS CEASED FOR MORE THAN 14 DAYS SHALL BE RESEEDING AND PLANTING.
  - g) UNDERGROUND UTILITIES, STORM, AND SEWER INSTALLATIONS.
  - h) INSTALL FILTER FABRIC DRAINAGE PROTECTION AT ALL STORM INLETS.
  - i) FINALIZE PAVEMENT SUBGRADE PREPARATION.
  - j) REMOVE INLET PROTECTION NO MORE THAN 24 HOURS PRIOR TO PAVING ASPHALT PAVEMENT.
  - k) PAVE AREAS NOTED ON PLAN.
  - l) DEEP RIPRIP OR NON-PAVED AREAS AS REQUIRED (NON-PAVED AREAS THAT HAVE BEEN COMPACTED DURING CONSTRUCTION VIA CONSTRUCTION TRAFFIC).
  - m) FINAL GRADING, SEEDING, AND PLANTING.
  - n) REMOVE SILT FENCE ONLY AFTER ALL PAVING IS COMPLETE AND EXPOSED SURFACES ARE STABILIZED.

- GENERAL EROSION CONTROL NOTES**
1. LAND DISTURBING ACTIVITIES SHALL NOT COMMENCE UNTIL APPROVAL TO DO SO HAS BEEN RECEIVED BY GOVERNING AUTHORITIES. THE GENERAL CONTRACTOR SHALL STRICTLY ADHERE TO THE APPROVED SWPPP DRAWINGS DURING CONSTRUCTION OPERATIONS.
  2. NO LAND CLEARING OR GRADING SHALL BEGIN UNTIL THE APPROPRIATE EROSION CONTROL MEASURES HAVE BEEN INSTALLED.
  3. ALL EXPOSED AREAS SHALL BE SEED AS SPECIFIED WITHIN 7 DAYS OF FINAL GRADING.
  4. SHOULD CONSTRUCTION STOP FOR LONGER THAN 14 DAYS, THE SITE SHALL BE SEED AS SPECIFIED.
  5. MAINTAIN EROSION CONTROL MEASURES AFTER EACH RAIN AND AT LEAST ONCE A WEEK.
  6. THIS PLAN SHALL NOT BE CONSIDERED ALL INCLUSIVE AS THE GENERAL CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT SEDIMENT FROM LEAVING THE SITE.
  7. GENERAL CONTRACTOR SHALL COMPLY WITH ALL STATE AND LOCAL ORDINANCES THAT APPLY.
  8. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED IF DETERMINED NECESSARY BY ON SITE INSPECTION.
  9. IF INSTALLATION OF STORM DRAINAGE SYSTEM SHOULD BE INTERRUPTED BY WEATHER OR NIGHTFALL, THE PRE ENDS SHALL BE COVERED WITH FILTER FABRIC.
  10. GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO TAKE WHATEVER MEANS NECESSARY TO ESTABLISH PERMANENT SOIL STABILIZATION.
  11. ALL WORK TO BE DONE IN STRICT ACCORDANCE WITH THE NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL.

GRAPHIC SCALE  
0 30' 60'  
(IN FEET)  
1 inch = 30 ft

GRAPHIC SCALE  
0 30' 60'  
(IN FEET)  
1 inch = 30 ft

PLAN SEAL BY:  
NEAL H. ZIMMERMANN, JR., P.E.  
NY REGISTRATION # 08721

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SHEET

PROJECT NO.  
**21-1973**

DATE  
**30 JUNE 2021**

SCALE  
**1"=30'**

**C-3**

PREPARED BY:  
**NAPIERALA CONSULTING**  
PROFESSIONAL ENGINEER, P.C.  
SITE • DESIGN • ENGINEERING  
110 FAYETTE STREET  
MANLIUS, NEW YORK 13104  
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PH: (315) 682-5580 FAX: (315) 682-5544

| NO. | REVISION/ISSUE    | DATE     |
|-----|-------------------|----------|
| 1   | PER TOWN COMMENTS | 02/02/22 |

SHEET TITLE:  
**EROSION AND SEDIMENT CONTROL PLAN**

PROJECT TITLE:  
**HUNTER'S RIDGE (PAULI DRIVE EXTENSION)**

TOWN OF MANLIUS ONONDAGA CO., NY

PREPARED FOR:  
**ROBERT CARON HOMES**

7990 BLARNEY STONE WAY  
MANLIUS, NY 13104





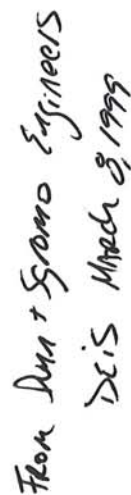


## **APPENDIX D**

### Historic Approval

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# **DRAINAGE FACILITIES PLAN**



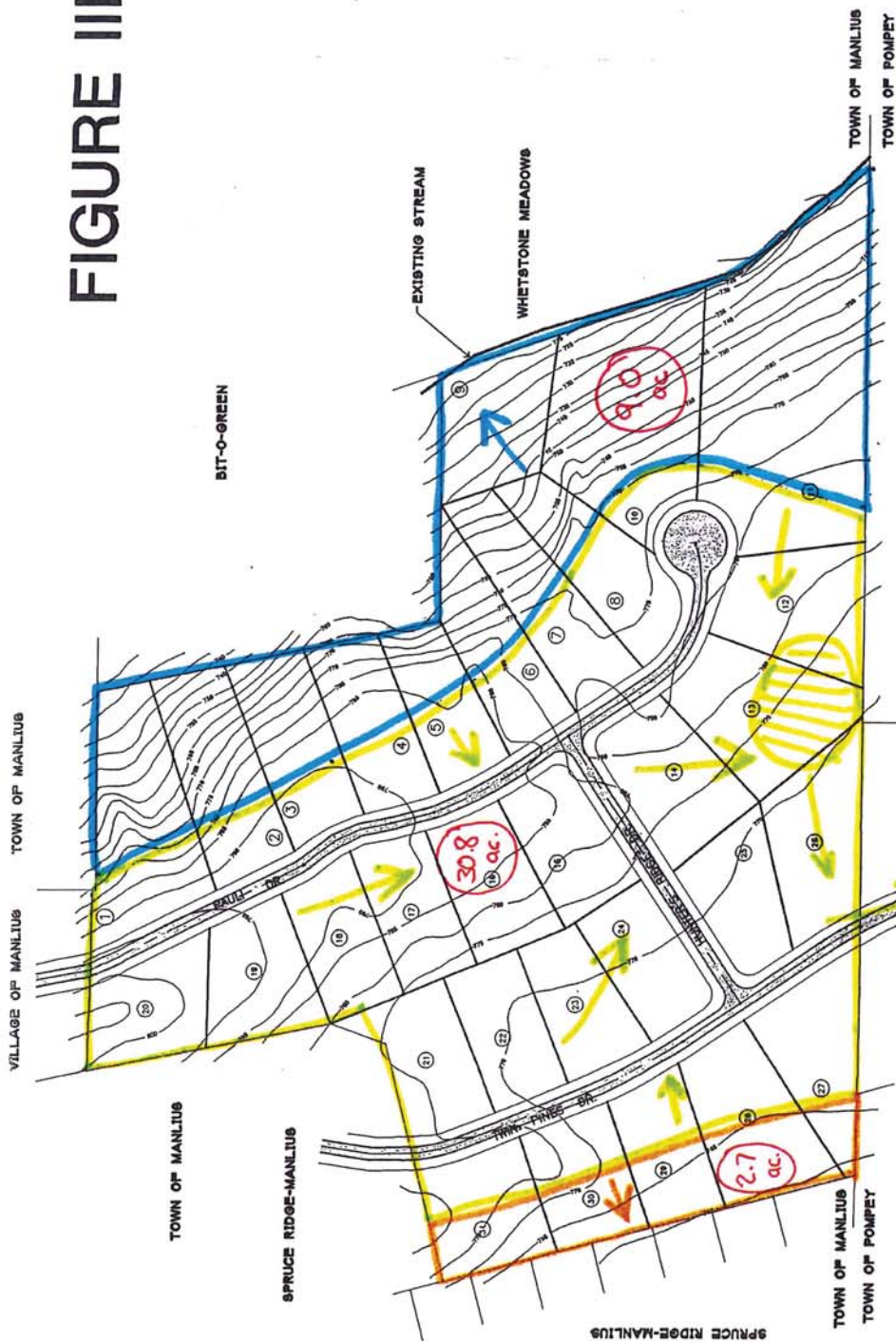
# FIGURE III - G-1



PHASING PLAN

FROM DUNN & SGRANO ENGINEERS  
DATE: March 3, 1999

# FIGURE III - A-6



DEVELOPED  
SITE DRAINAGE  
AREAS

From Dunn & Sons Engineers  
DEIS March 8, 1995





## **Napierala Consulting**

1396 White Bridge Road  
Chittenango, NY 13037  
Tel: (315) 391-5110

January 17, 2022

Napierala Consulting  
110 Fayette Street  
Manlius, NY 13104

Attn: Mr. Neal Zinsmeyer, Jr., P.E.

**Re: Traffic Operations Review – Proposed Hunter’s Ridge Subdivision  
Pauli Drive, Town of Manlius, NY**

Dear Mr. Zinsmeyer:

I have completed my review of traffic operations associated with the proposed Hunter’s Ridge subdivision on Pauli Drive in the Town of Manlius, NY. This letter summarizes the work completed in this review as well as my findings.

### *Project Understanding*

Pauli Drive is an existing residential roadway on the east side of a residential neighborhood in the Town of Manlius. The roadway is currently split with a northern section connecting to Red Fox Drive and Everglades Drive, and a southern section connecting to Hunters Ridge Drive. The proposed Hunter’s Ridge subdivision will connect the northern and southern sections of Pauli Drive and include 10 single family homes. The roadway connection was included in the original master plans for the residential development in the area.

A layout, grading and road profile plan dated June 30<sup>th</sup>, 2021, prepared by Napierala Consulting, has been attached.

### *Trip Generation Estimate*

The proposed development includes 10 single family homes. Trips generated by the proposed development were estimated using the ITE Trip Generation, 11<sup>th</sup> Edition, which is the industry accepted standard for estimating traffic generated. Land Use 210 – Single Family Detached Housing was used.

The following table summarizes the trip generation estimate for the proposed Hunter’s Ridge subdivision.

### **Trip Generation Summary**

|                        | <b>Weekday<br/>Morning Peak</b> |                | <b>Weekday<br/>Evening Peak</b> |                | <b>Saturday<br/>Peak</b> |                |
|------------------------|---------------------------------|----------------|---------------------------------|----------------|--------------------------|----------------|
|                        | <b>Entering</b>                 | <b>Exiting</b> | <b>Entering</b>                 | <b>Exiting</b> | <b>Entering</b>          | <b>Exiting</b> |
|                        | 2                               | 5              | 6                               | 3              | 5                        | 4              |
| 10 Single Family Homes |                                 |                |                                 |                |                          |                |

**Re: Traffic Operations Review – Proposed Hunter’s Ridge Subdivision  
Pauli Drive, Town of Manlius, NY**

Many people expect that residential land uses will generate an average of 2 trips per unit during peak hours. The trip generation rates for residential land uses are generally less than 1 trip per unit for a number of reasons. The primary reason is that people work different times, some may leave for work at 6:30 in the morning while others may leave at 7:30 or 8:30. Subsequently, the arrival patterns home in the evening will also be staggered over multiple hours. Some people work evenings while others may stay at home or work from home. The rates contained in the ITE Trip Generation have been verified and provide an accurate representation of what may be expected for this development during the peak hours of the adjacent streets.

The detailed trip generation estimate has been attached. A development of this size does not warrant a full traffic impact study.

*Impact on Adjacent Streets*

The proposed development is anticipated to generate less than 10 total vehicles during peak commuter hours. With approximately 100 single family homes to the north of the development (Everglades Drive, Pauli Drive, Red Fox Drive, Russell Lane), approximately 125 single family homes to the south of the development (Twin Pines Drive, Red Spruce Lane, Spruce Ridge Drive, Austrian Pine Circle, Cone Wood Trail), and another 120<sup>+/-</sup> single family homes on the west side of Brickyard Fall Road, the proposed 10 homes represents an increase in the number of homes in the area of less than 3%. An overall increase in the residential generated traffic of less than 3% will not even be noticeable on primary travel routes in the area such as Route 173, Brickyard Falls Road, or Broadfield Road.

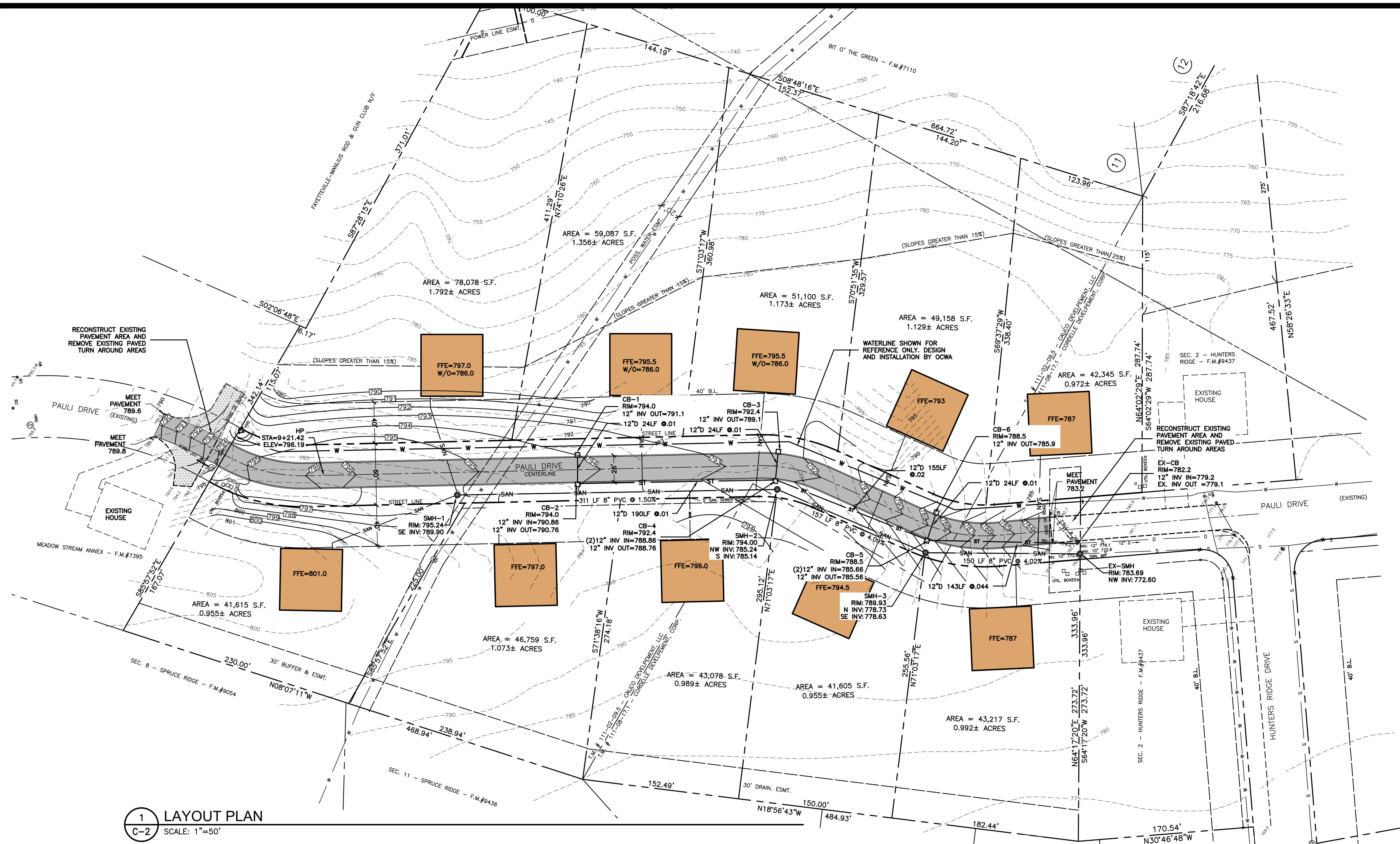
Historical traffic counts reviewed on Brickyard Falls Road from 2018 (360 feet north of Frogs Whicker Lane) and 2015 (between Russell Lane and Brookhill Drive South) indicate that roadway is generally low volume with less than 200 vehicles in each direction during the peak morning and evening commuter hours. There would be no concerns with traffic capacity in the area turning in and out of the residential roadways, and no concern with the minor increase resulting from the proposed development.

*Impacts on Existing Neighborhood Traffic Patterns*

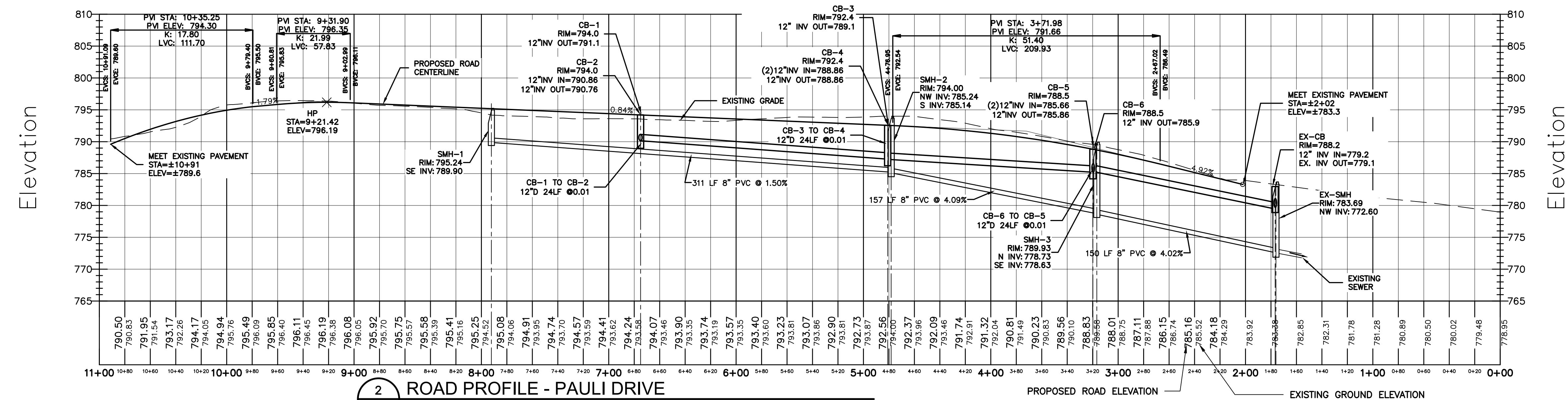
The proposed Pauli Drive connection does have the potential to serve as a cut-through for some traffic traveling between the northern residential section (approximately 100 homes) and Broadfield Road via Twin Pines Drive, versus the existing route using Brickyard Falls Road connection. The potential use of the new connection would be one of convenience, not driven by any capacity concerns in the immediate area. Overall, the potential cut through traffic volume is expected to be relatively minor, as follows. 100 homes generates approximately 50-60 trips exiting during the morning peak hour and entering during the evening peak hour. The majority of this traffic, approximately 80%, would be expected to travel to/from the northwest to/from Syracuse, using Route 173, Route 92 or Troop K Road. Of the 20% that may travel to/from the south toward Broadfield Road, half could be expected to use the new connection versus half using the existing Brickyard Falls Road connection. 10% of the







1 LAYOUT PLAN  
C-2 SCALE: 1"=50'



2 ROAD PROFILE - PAULI DRIVE  
C-2 SCALE: 1"=50'H 1"=10'V

PROJECT TITLE: HUNTER'S RIDGE  
(PAULI DRIVE EXTENSION)  
TOWN OF MANLIUS ONONDAGA CO., NY

PREPARED FOR: ROBERT CARON HOMES  
7990 BLARNEY STONE WAY  
MANLIUS, NY 13104

## LAYOUT, GRADING AND ROAD PROFILE

[illegible]

**PREPARED BY:**

**NAPIERALA  
CONSULTING**  
PROFESSIONAL ENGINEER, P.C.  
SITE • DESIGN • ENGINEERING

110 FAYETTE STREET  
MANHATTAN, NEW YORK 10104

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PH: (315) 682-5580 FAX: (315) 662-5544

|             |              |
|-------------|--------------|
| PROJECT NO. | 21-1973      |
| DATE        | 30 JUNE 2021 |
| SCALE       | 1"=50'       |

**C-2**

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CONSTRUCTION

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NAPIERALA CONSULTING**



Proposed Hunter's Ridge Subdivision  
Pauli Drive - Town of Manlius, NY  
Trip Generation Estimate

Proposed Development                      10 Single Family Homes

*ITE Trip Generation - 11th Edition*

Land Use 210 - Single-Family Detached Housing

|                    |                 |           |          |
|--------------------|-----------------|-----------|----------|
| Morning Peak Hour  | 0.70 Trips/Home | 26% Enter | 74% Exit |
| Evening Peak Hour  | 0.94 Trips/Home | 63% Enter | 37% Exit |
| Saturday Peak Hour | 0.92 Trips/Home | 54% Enter | 46% Exit |

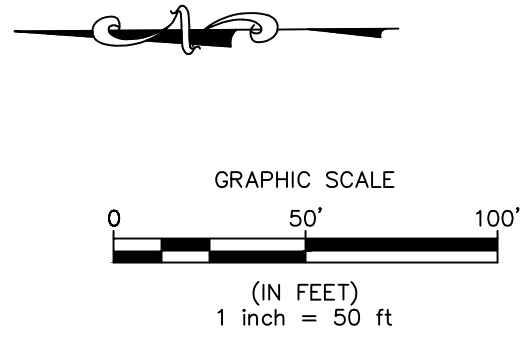
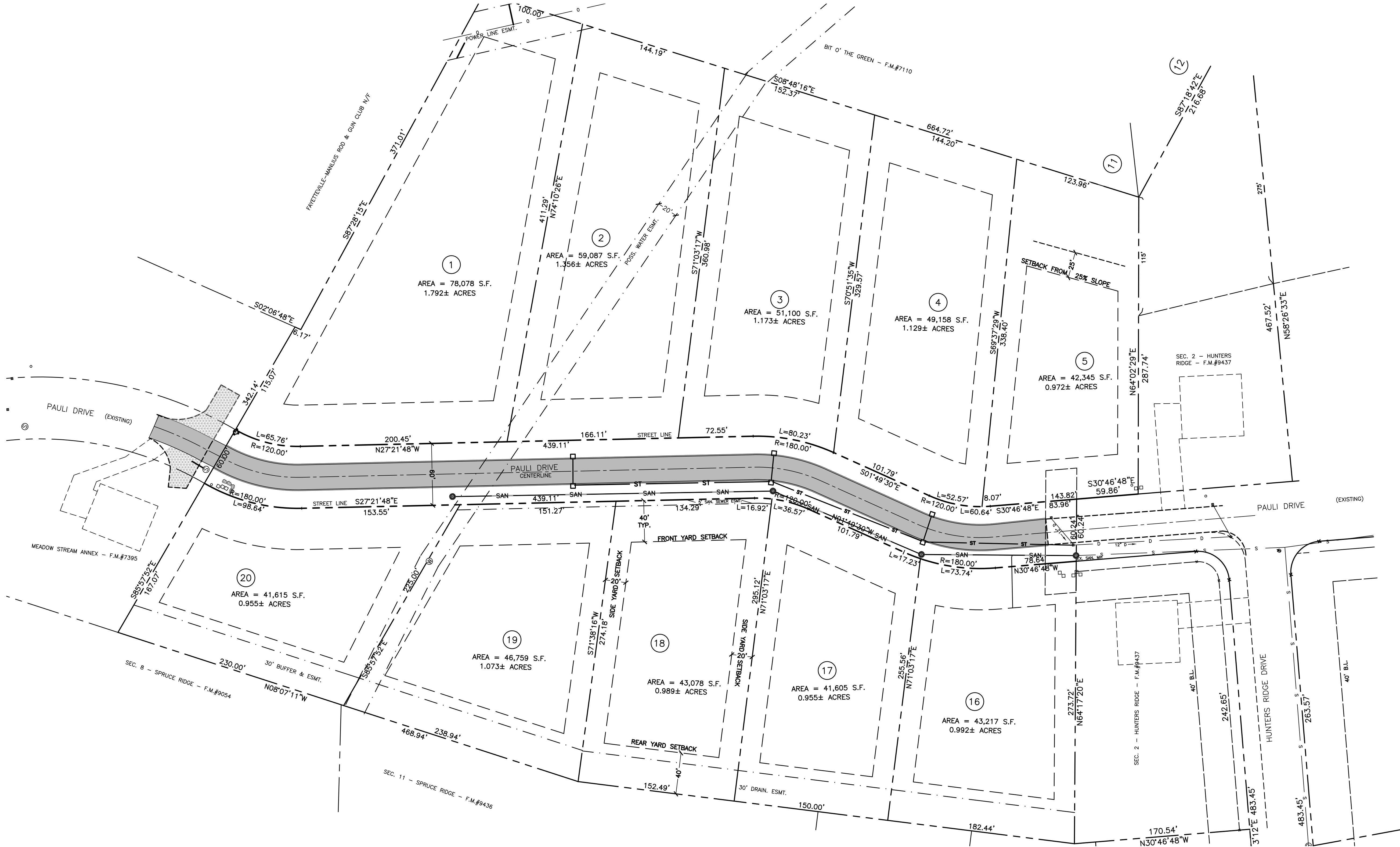
Trip Generation Estimate

| Development         | Size     | Morning Peak Hour |          |         | Evening Peak Hour |          |         | Saturday Peak Hour |          |         |
|---------------------|----------|-------------------|----------|---------|-------------------|----------|---------|--------------------|----------|---------|
|                     |          | Total Trips       | Entering | Exiting | Total Trips       | Entering | Exiting | Total Trips        | Entering | Exiting |
| Single Family Homes | 10 Homes | 7                 | 2        | 5       | 9                 | 6        | 3       | 9                  | 5        | 4       |



| SITE CRITERIA CHECKLIST |                           |                |
|-------------------------|---------------------------|----------------|
| ZONING INFORMATION      |                           |                |
| ZONING DISTRICT         | R-1, RESIDENTIAL DISTRICT |                |
|                         | REQUIRED                  | PROVIDED       |
| MIN. LOT FRONTAGE       | 150'                      | 150' MIN.      |
| MIN. LOT AREA           | 40,000 SF                 | 40,000 SF MIN. |
| MINIMUM FRONT YARD      | 40'                       | 40' MIN.       |
| MINIMUM REAR YARD       | 40'                       | 40' MIN.       |
| MINIMUM SIDE YARD       | 20'                       | 20' MIN.       |
| DIST. FROM 25% SLOPES   | 25'                       | 25' MIN.       |

NOTES:  
1) SURVEY/SUBDIVISION PREPARED BY COTTRELL LAND SURVEYORS, P.C.



HUNTER'S RIDGE  
(PAULI DRIVE EXTENSION)

TOWN OF MANLIUS

ONONDAGA CO., NY

ROBERT CARON HOMES

7990 BLARNEY STONE WAY  
MANLIUS, NY 13104

LAYOUT PLAN

PROJECT TITLE:

SHEET TITLE:

| NO. | REVISION/ISSUE    | DATE     |
|-----|-------------------|----------|
| 1   | PER TOWN COMMENTS | 02/02/22 |

PREPARED BY:

NAPIERALA  
CONSULTING  
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PROJECT NO.

21-1973

DATE

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SCALE

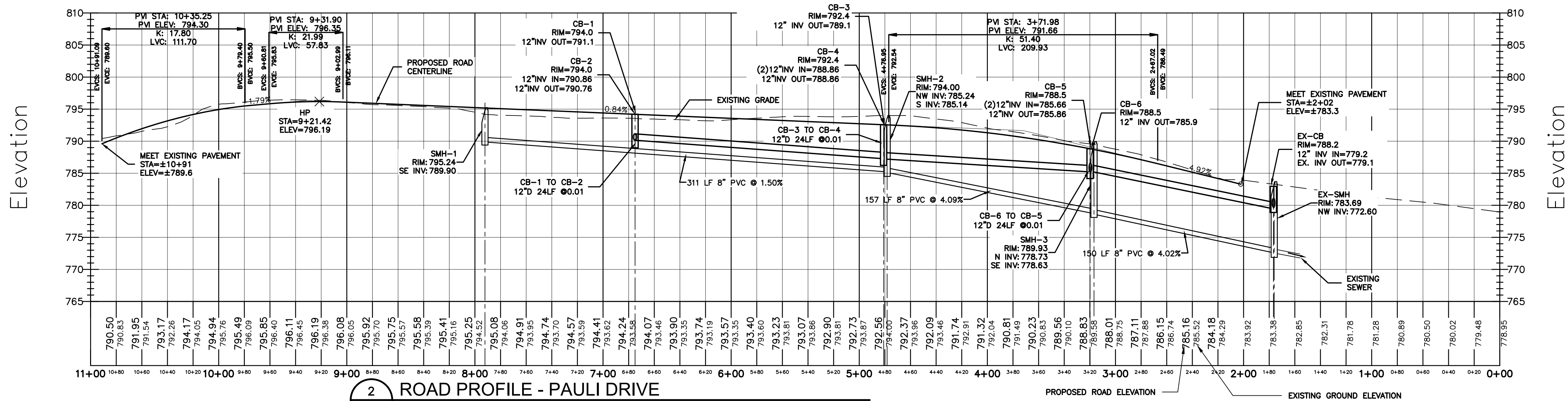
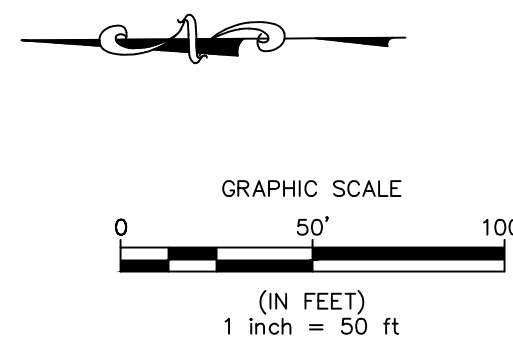
1"=50'

C-1





1 LAYOUT PLAN  
C-2 SCALE: 1"=50'



2 ROAD PROFILE - PAULI DRIVE  
C-2 SCALE: 1"=50'H 1"=10'V

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PROJECT TITLE:  
**HUNTER'S RIDGE  
(PAULI DRIVE EXTENSION)**  
TOWN OF MANLIUS  
ONONDAGA CO., NY  
PREPARED FOR:  
ROBERT CARON HOMES  
7990 BLARNEY STONE WAY  
MANLIUS, NY 13104

SHEET TITLE:  
**GRADING, UTILITY AND  
ROAD PROFILE**

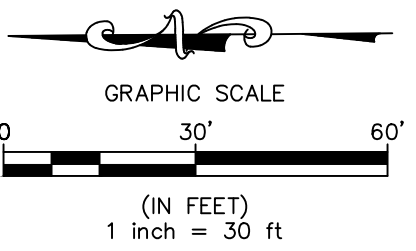
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PROJECT NO.  
21-1973  
DATE  
30 JUNE 2021  
SCALE  
1"=50'

C-2





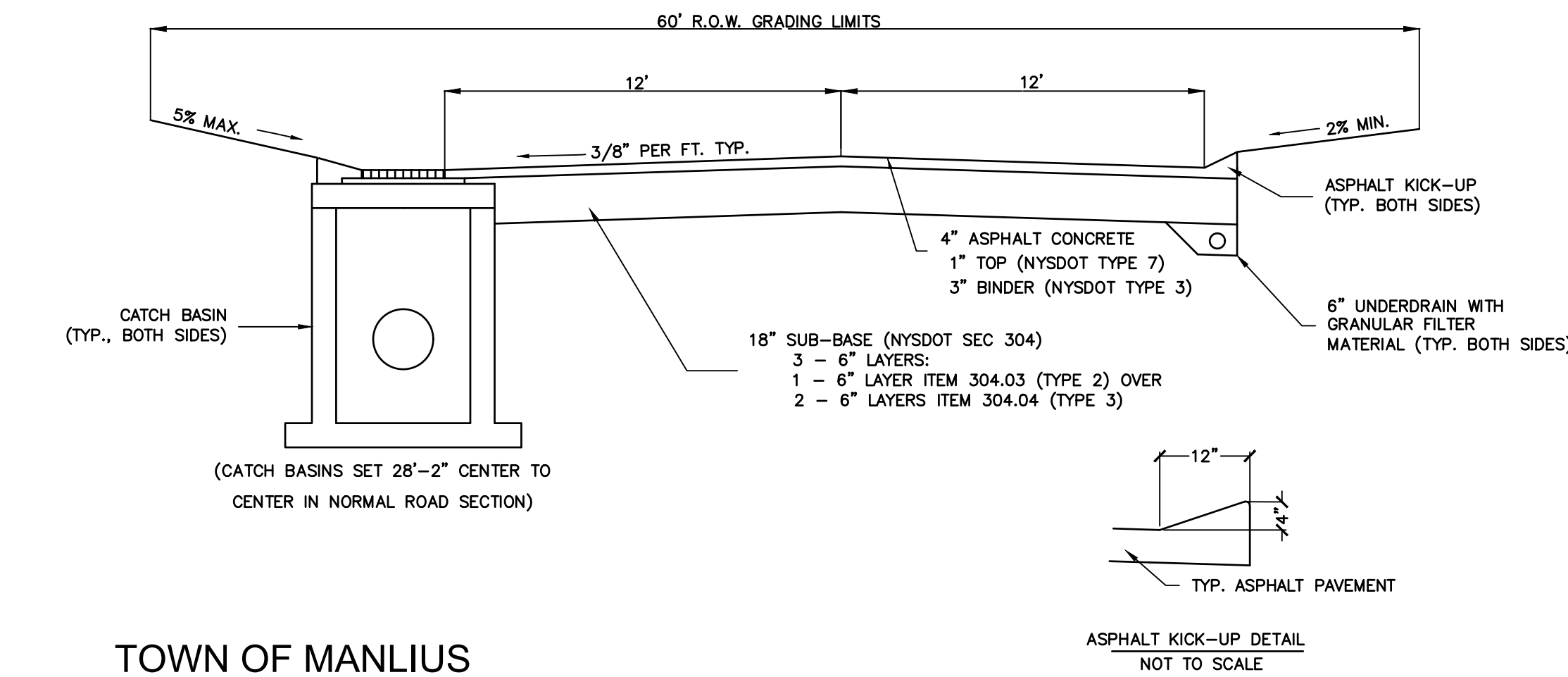
PROJECT TITLE: **HUNTER'S RIDGE  
(PAULI DRIVE EXTENSION)**

TOWN OF MANLIUS      ONONDAGA CO., NY

PREPARED FOR: **ROBERT CARON HOMES**

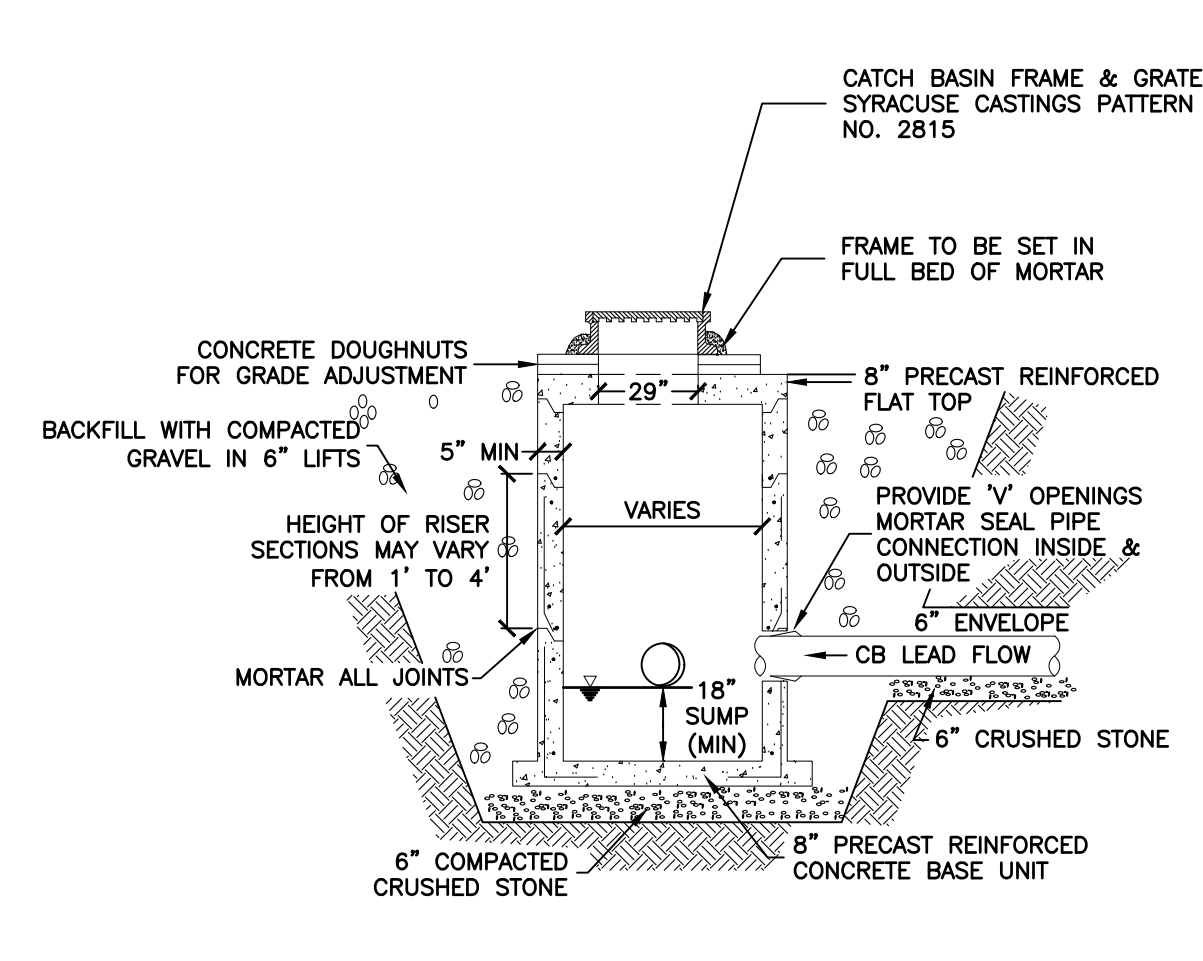
**7990 BLARNEY STONE WAY  
MANLIUS, NY 13104**





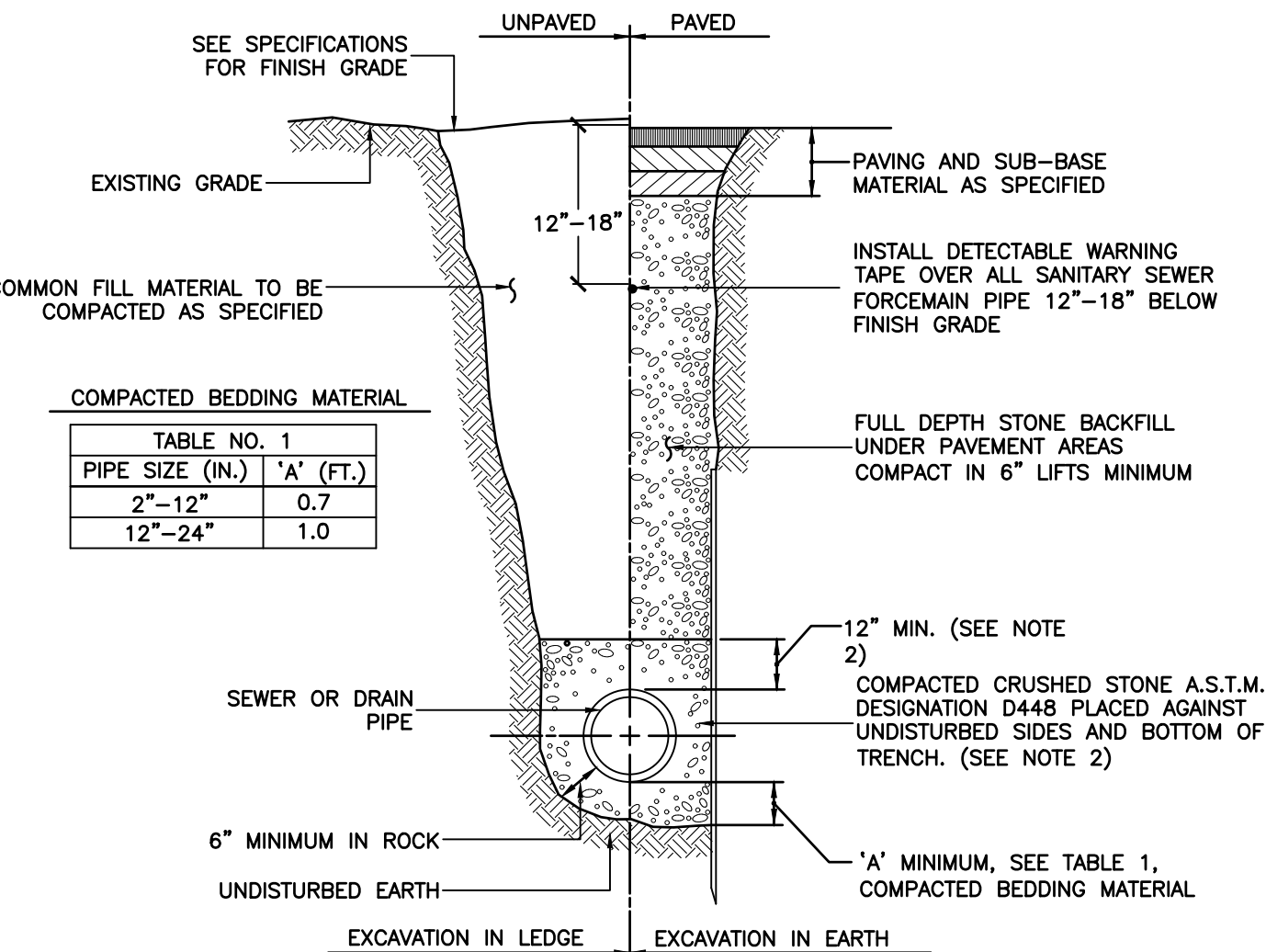
1 TOWN OF MANLIUS  
C-4 RESIDENTIAL STREET CROSS SECTION

SCALE: NTS



2 CATCH BASIN

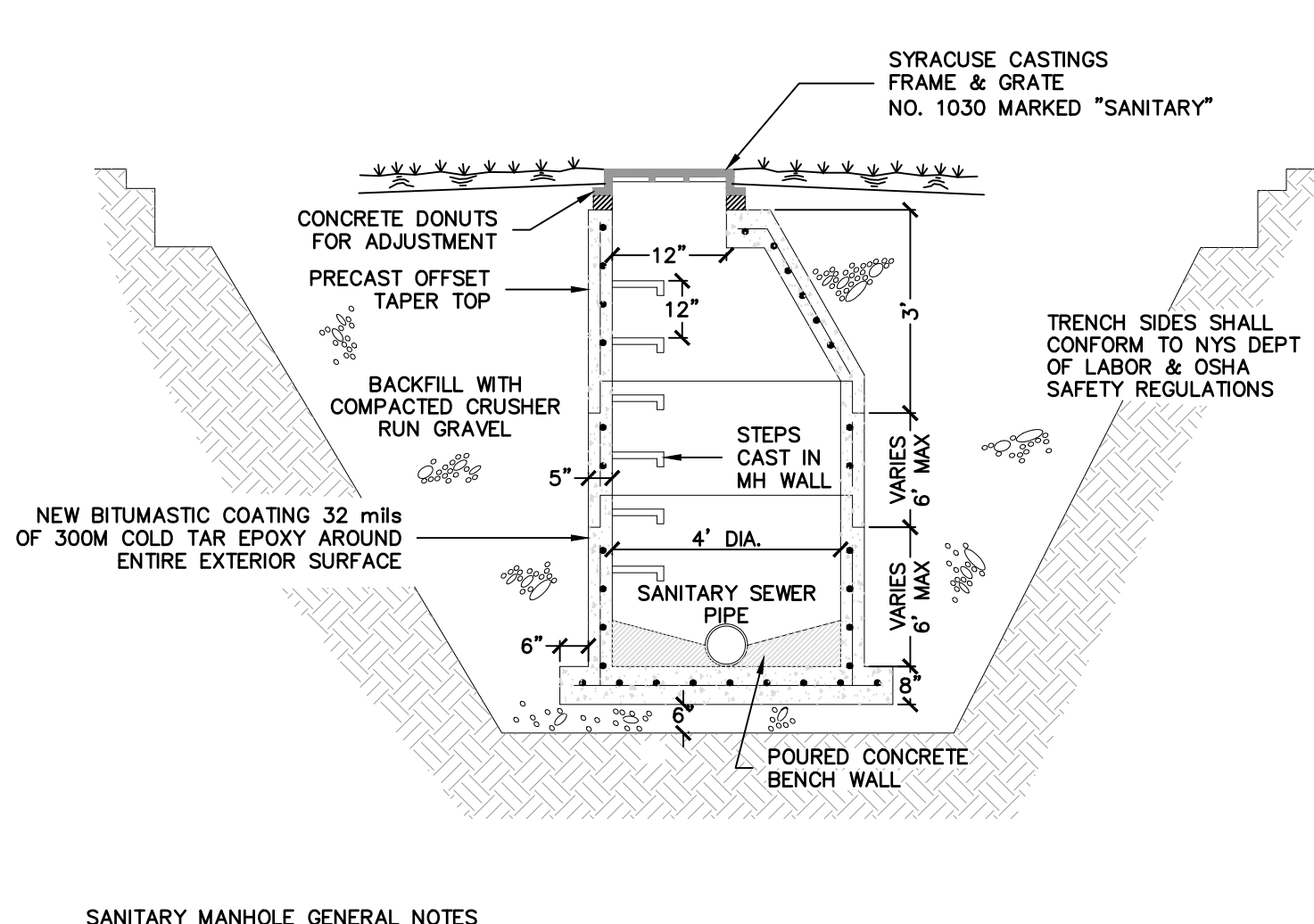
SCALE: NTS



NOTES:  
1. SHEETING, WHEN REQUIRED, TO BE CUT OFF AT LEAST 5 FEET BELOW STREET AND A MINIMUM OF 1 FOOT ABOVE TOP OF PIPE. WOOD SHEETING DRIVEN BELOW MID-DIAMETER OF THE PIPE SHALL BE LEFT IN PLACE. STEEL SHEETING DRIVEN BELOW MID-DIAMETER MAY BE WITHDRAWN IF APPROVED IN WRITING BY THE ENGINEER. FOR PVC PIPE ALL SHEETING DRIVEN BELOW MID-DIAMETER SHALL BE LEFT IN PLACE.  
2. WHEN APPROVED BY THE ENGINEER FOR PIPES OTHER THAN PVC SELECTED GRAVEL FILL MATERIAL MAY BE USED FROM MID-DIAMETER OF PIPE TO 12" ABOVE TOP OF PIPE. NO STONES LARGER THAN 2 INCHES IN ANY DIMENSION WILL BE PERMITTED IN THIS AREA 3. TRENCHES LOCATED ON THE ROAD SHOULDER SHALL BE TREATED THE SAME AS EXCEPT FOR PAVING.  
4. PROVIDE AT LEAST ONE IMPERVIOUS DAM IN GRAVEL BEDDING BETWEEN EACH MANHOLE WHERE DIRECTED, OR EVERY 300 FEET, WHICHEVER IS LESS. SEE DETAIL.  
5. BEDDING MATERIAL FOR PVC PIPE SHALL MEET THE REQUIREMENTS OF ASTM D2321 CLASS I OR CLASS II EMBEDMENT MATERIALS.

4 TYPICAL SEWER AND DRAIN TRENCH

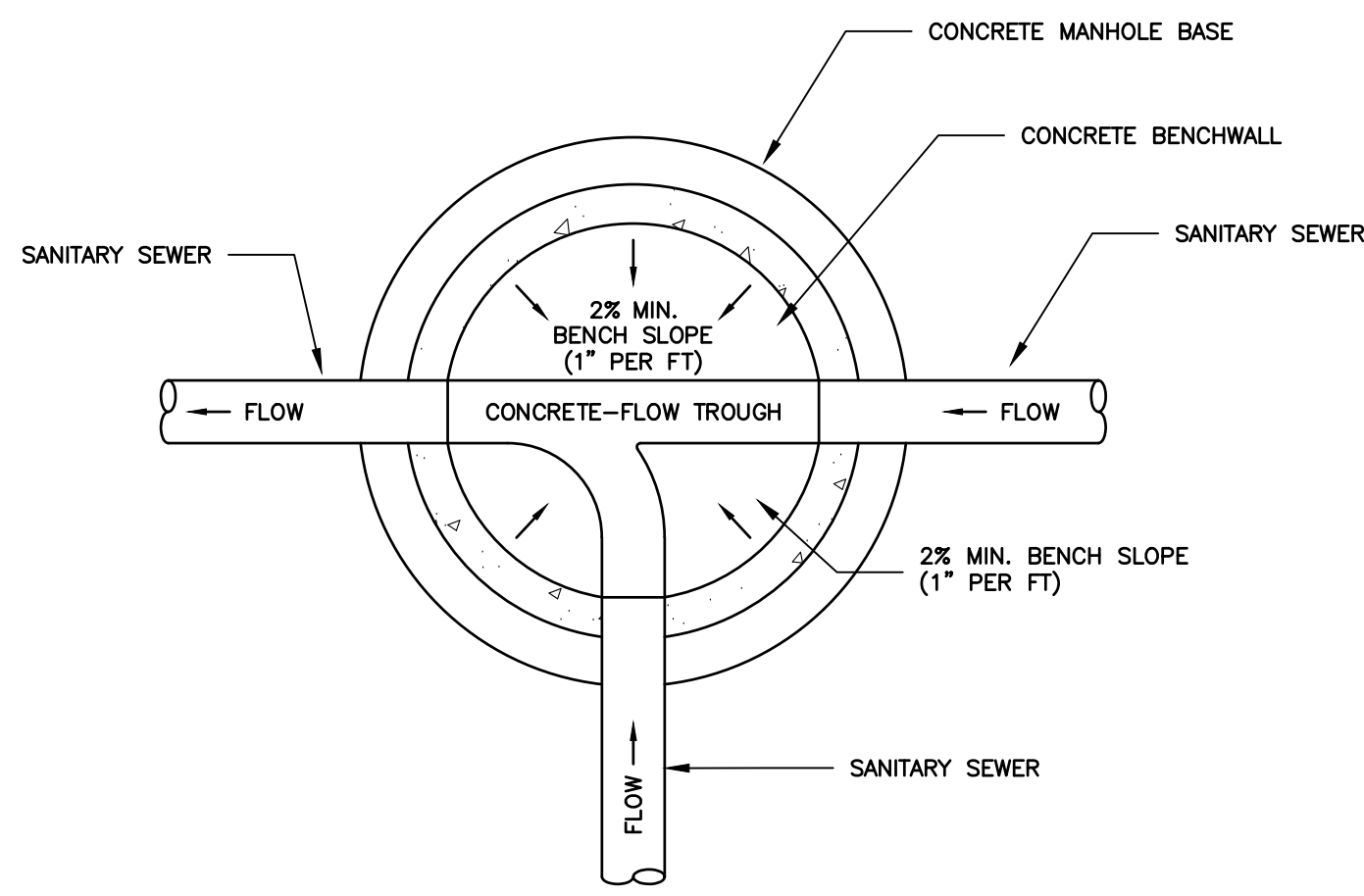
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SANITARY MANHOLE GENERAL NOTES  
1. ALL SANITARY SEWER MANHOLES TO BE RATED FOR H-20 LOADING  
2. PRECAST REINFORCED CONCRETE OFFSET TAPER TOP TO BE MANUFACTURED IN ACCORDANCE WITH ASTM C-478. TOP SECTION IS TO BE 3' LONG.  
3. PRECAST REINFORCED CONCRETE MANHOLE RISER SECTIONS ARE TO BE MANUFACTURED IN ACCORDANCE WITH ASTM C-478. RISER SECTIONS ARE TO HAVE A 48" INSIDE DIAMETER x 5" WALL AVAILABLE IN 2', 3', OR 4' LENGTHS.  
4. PRECAST REINFORCED CONCRETE MANHOLE BASE IS TO BE MANUFACTURED IN ACCORDANCE WITH ASTM C-478. BASE IS TO HAVE A 48" INSIDE DIAMETER x 5" WALL WITH RUBBER BOOTS AS REQUIRED.  
5. REINFORCING FOR ALL SECTIONS SHALL BE 2X4, 8% W.W. MESH.  
6. ALL REINFORCEMENT SHALL BE PLACED SO IT WILL HAVE A MINIMUM COVER OF 2" AND BE LOCATED APPROXIMATELY WITHIN THE CENTER OF THE SECTION.  
7. COURSES OF BRICK OR CONCRETE DONUTS ARE TO BE USED FOR RIM GRADE ADJUSTMENTS.  
8. BASE OF PRECAST MANHOLE SHALL REST ON UNDISTURBED UNIFORM VIRGIN SOIL OR COMPACTED GRAVEL, COMPACTED IN PLACE WITH VIBRATORY MECHANICAL TAMPERS IN LIFTS NOT TO EXCEED 6" AT A TIME.  
9. TRENCH SIDES SHALL CONFORM TO NYS LABOR DEPARTMENT SAFETY REGULATIONS.

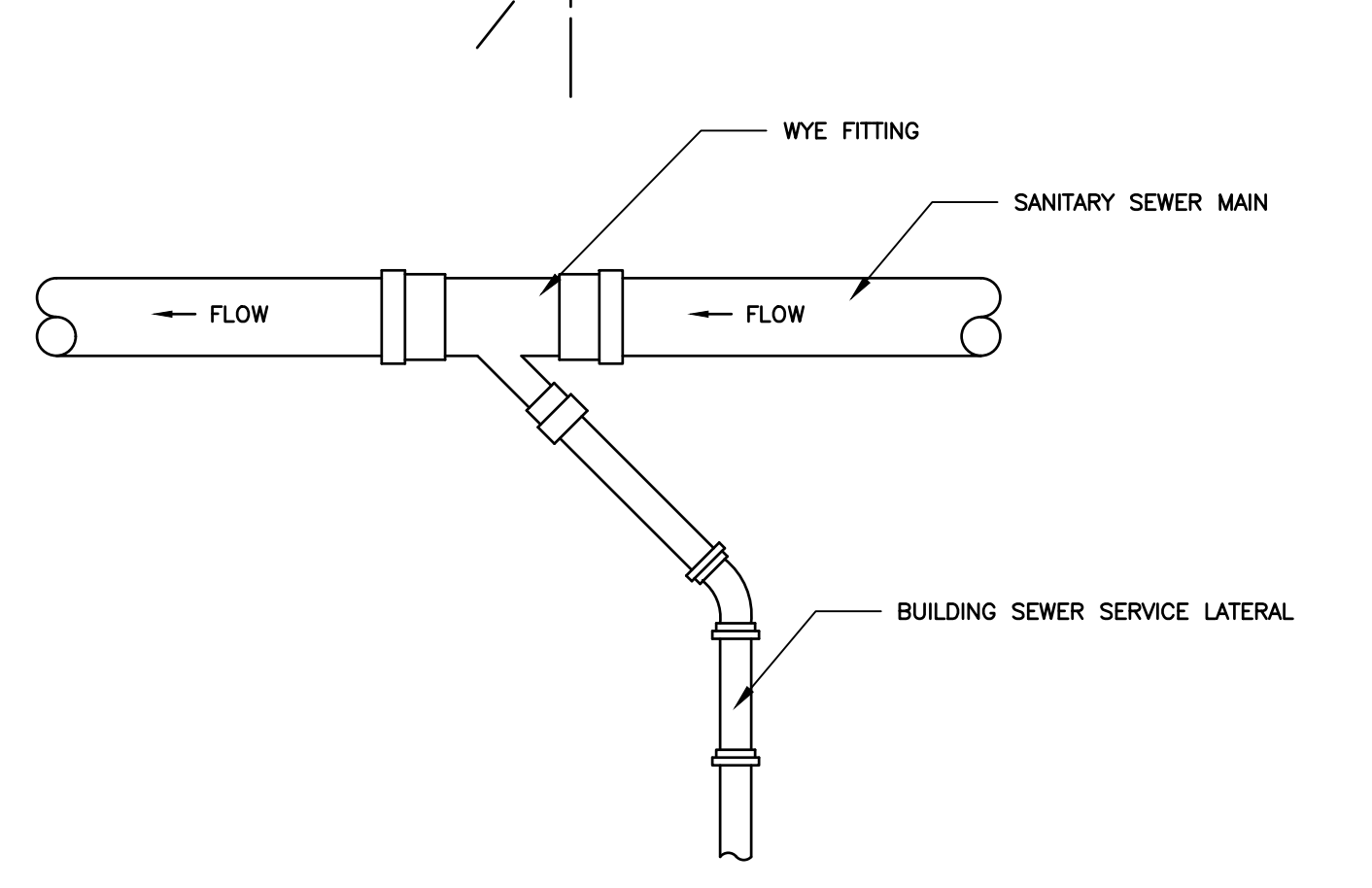
5 SANITARY MANHOLE STRUCTURE

SCALE: NTS



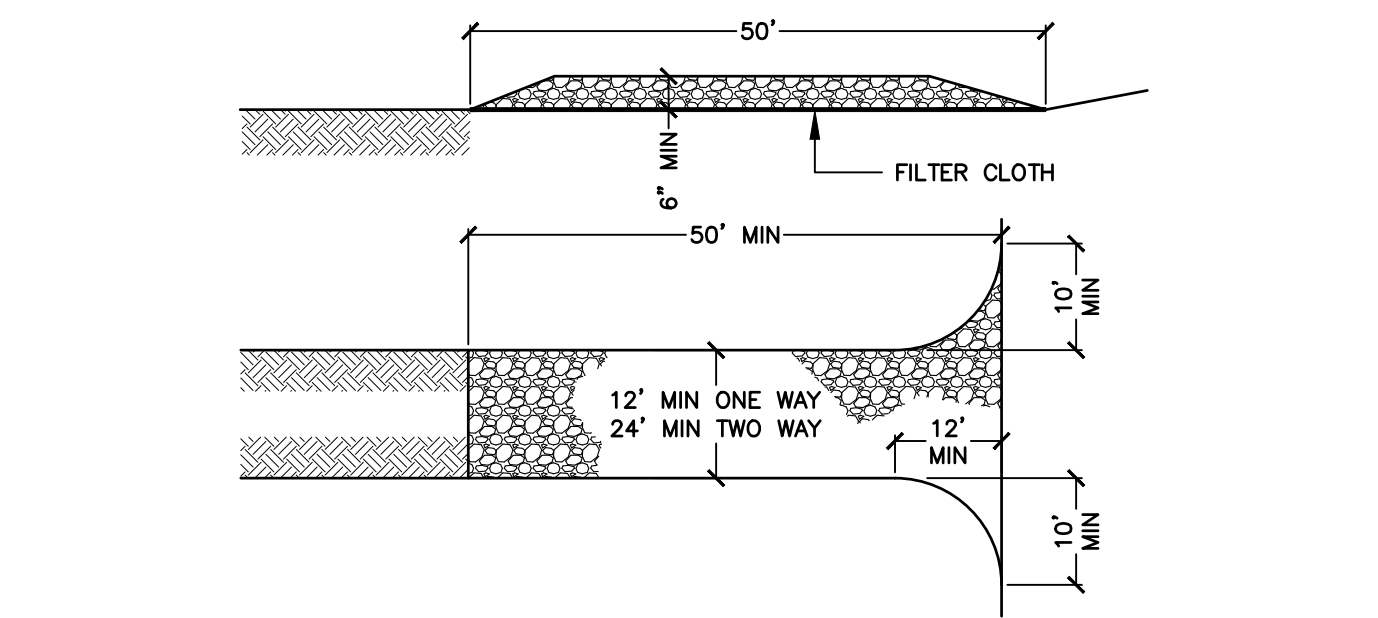
6 SANITARY SEWER MANHOLE BENCH

SCALE: NTS



7 TYPICAL LATERAL CONNECTION

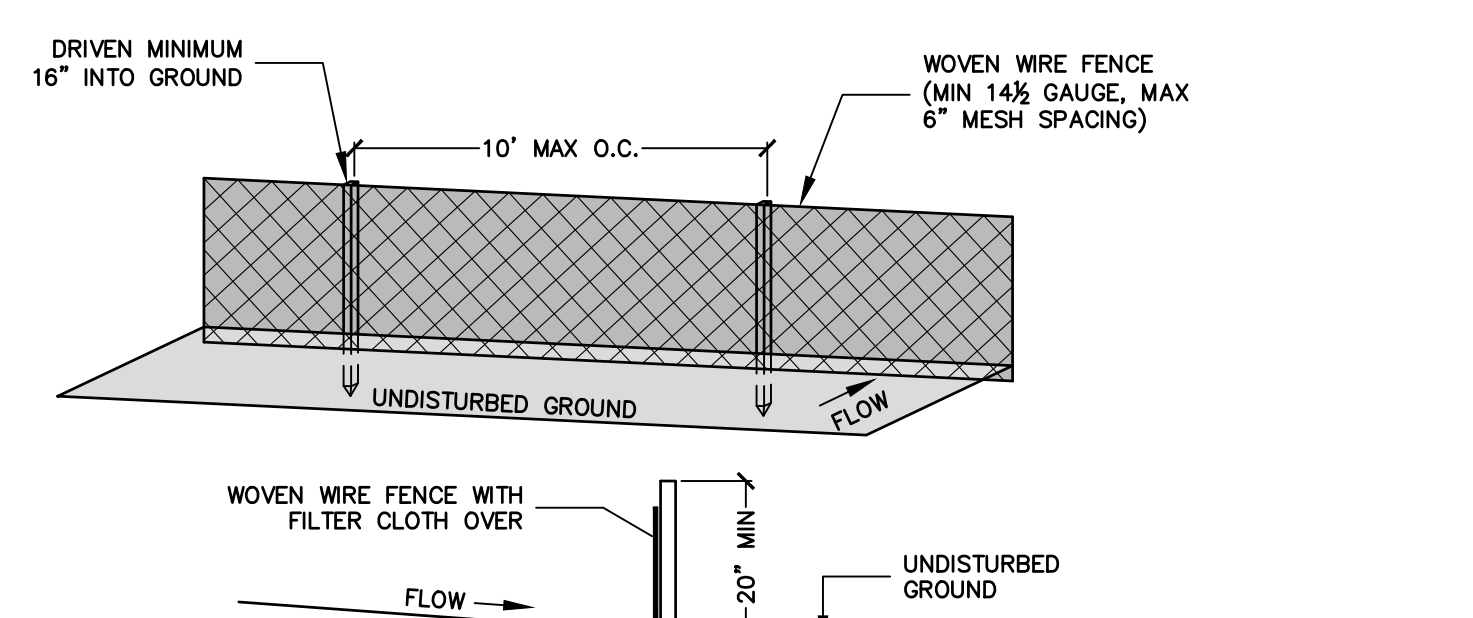
SCALE: NTS



1. STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.  
2. LENGTH - NOT LESS THAN 50 FEET.  
3. THICKNESS - NOT LESS THAN SIX (6) INCHES.  
4. WIDTH - 24 FEET MINIMUM.  
5. FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.  
6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.  
7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.  
8. 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.

8 CONSTRUCTION ENTRANCE

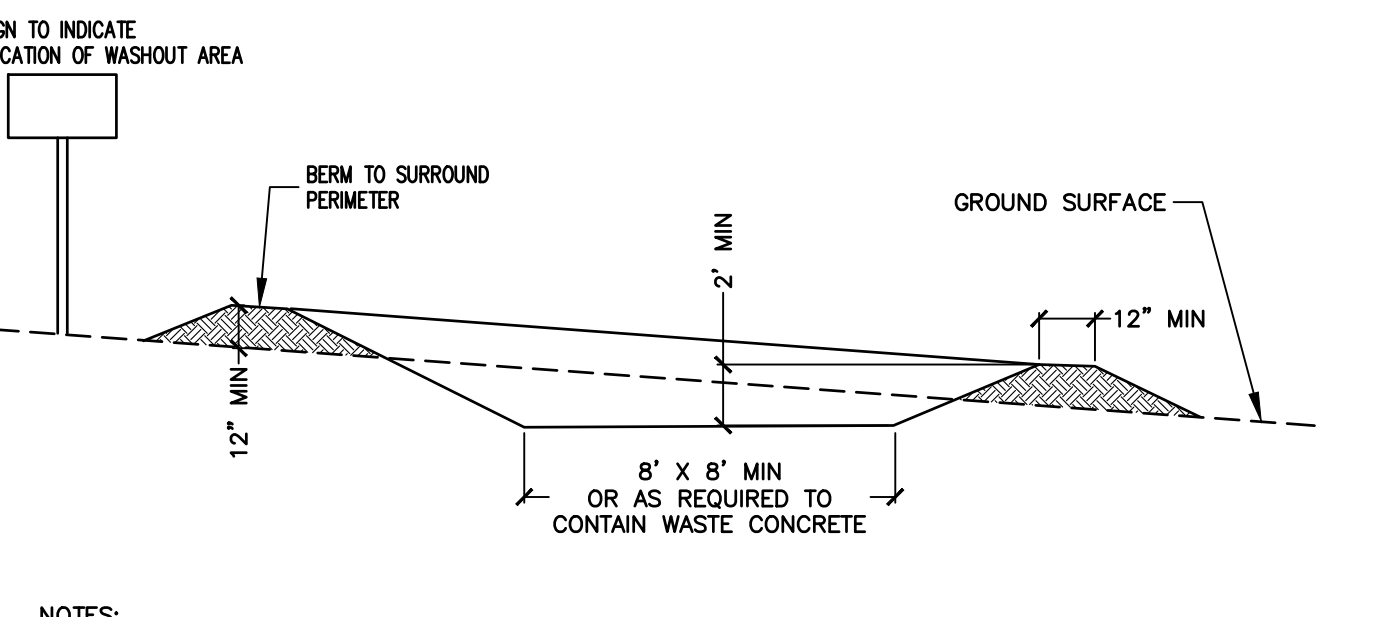
SCALE: NTS



POSTS: STEEL, EITHER "T" OR "U" TYPE OR 2" HARDWOOD  
FENCE: WOVEN WIRE, 14 1/2 GAUGE, 6" MAX. MESH OPENING  
FILTER CLOTH: FILTER X, MIRAFI 100X, STABILINKA T140N OR APPROVED EQUAL  
PREFABRICATED UNIT: GEOFAB, ENVIROFENCE, OR APPROVED EQUAL  
1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.  
2. FILTER CLOTH IS 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. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

9 SILT FENCE

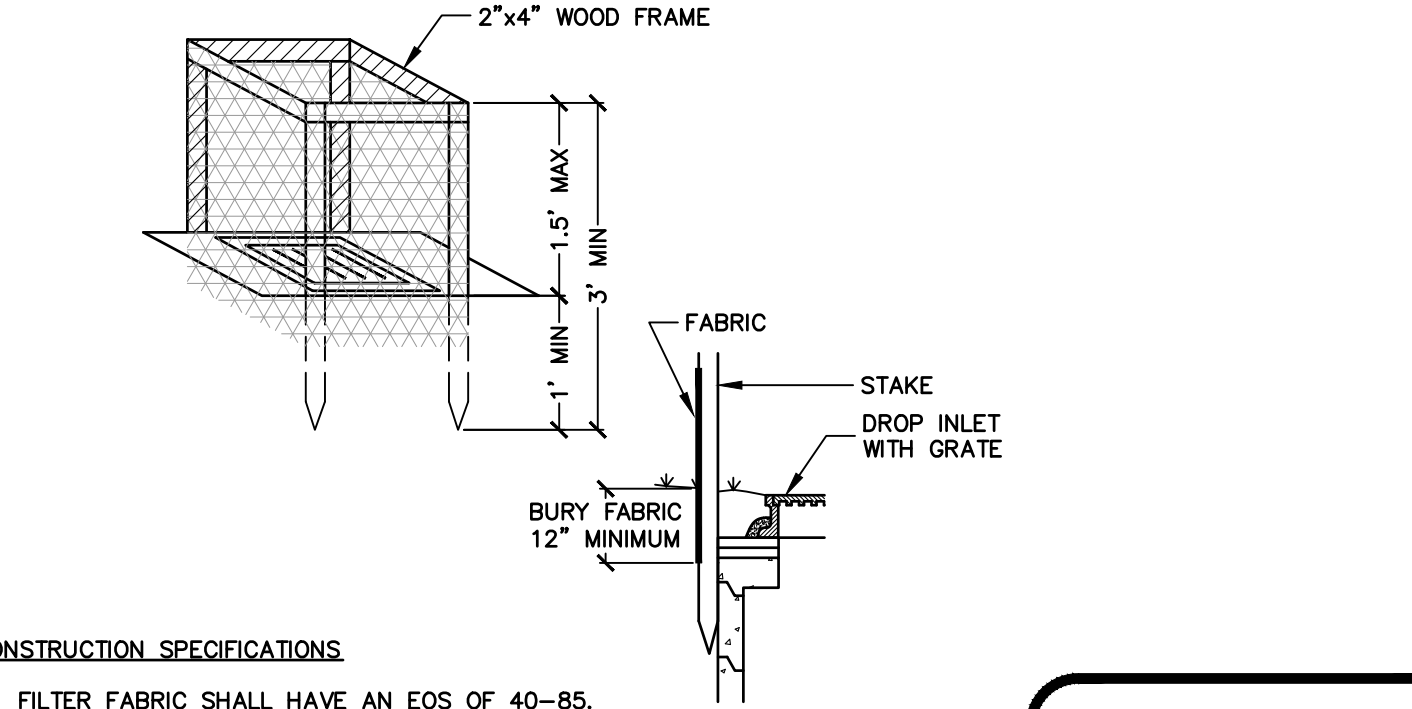
SCALE: NTS



NOTES:  
1. CONCRETE WASHOUT AREA SHALL BE INSTALLED PRIOR TO ANY CONCRETE PLACEMENT ON SITE.  
2. SIGNS SHALL BE PLACED AT THE CONSTRUCTION ENTRANCE, AT THE WASHOUT AREA, AND ELSEWHERE AS NECESSARY TO CLEARLY INDICATE LOCATION OF CONCRETE WASHOUT AREA TO OPERATORS OF CONCRETE TRUCKS AND PUMP RIGS.  
3. THE CONCRETE WASHOUT AREA SHALL BE REPAIRED AND ENLARGED OR CLEANED OUT AS NECESSARY TO MAINTAIN CAPACITY FOR WASTED CONCRETE.  
4. AT THE END OF CONSTRUCTION, ALL CONCRETE SHALL BE REMOVED FROM SITE AND DISPOSED OF AT AN ACCEPTED WASTE SITE.  
5. WHEN THE CONCRETE WASHOUT AREA IS REMOVED, THE DISTURBED AREA SHALL BE SEEDED AND MULCHED OR OTHERWISE STABILIZED.

10 CONCRETE WASHOUT AREA

SCALE: NTS



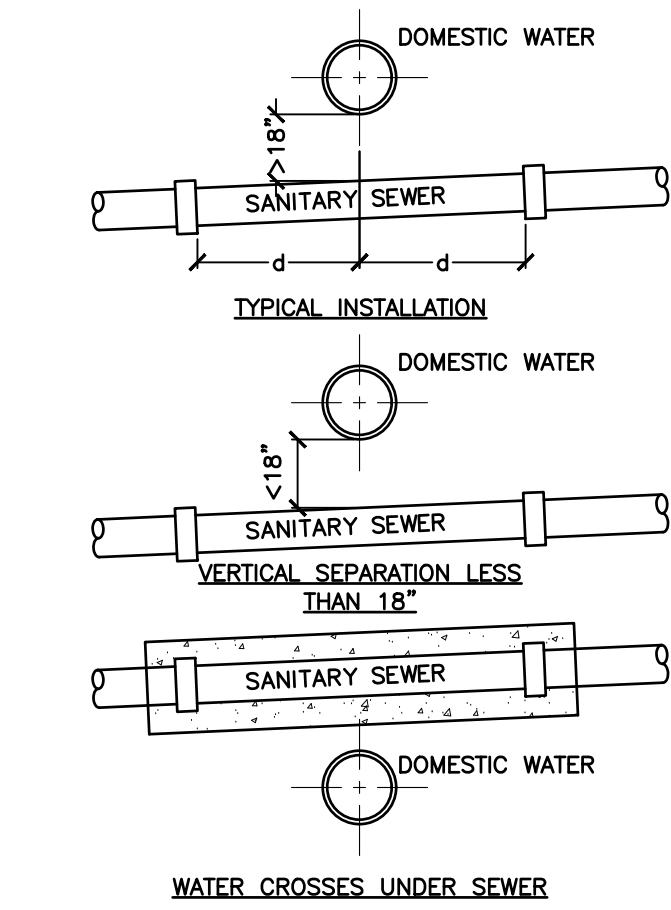
CONSTRUCTION SPECIFICATIONS  
1. FILTER FABRIC SHALL HAVE AN EOS OF 40-85.  
2. CUT FABRIC FROM A CONTINUOUS ROLL TO ELIMINATE JOINTS. IF JOINTS ARE NEEDED THEY WILL BE OVERLAPPED TO THE NEXT STAKE.  
3. STAKE MATERIALS WILL BE STANDARD 2"x4" WOOD OR EQUIVALENT METAL WITH A MINIMUM LENGTH OF 3 FEET.  
4. SPACE STAKES EVENLY AROUND INLET 3 FEET APART AND DRIVE A MINIMUM 18 INCHES DEEP. SPANS GREATER THAN 3 FEET MAY BE BRIDGED WITH THE USE OF WIRE MESH BEHIND THE FILTER FABRIC FOR SUPPORT.  
5. FABRIC SHALL BE EMBEDDED 1 FOOT MINIMUM BELOW GROUND AND BACKFILLED. IT SHALL BE SECURELY FASTENED TO THE STAKES AND FRAME.  
6. A 2"x4" WOOD FRAME SHALL BE COMPLETED AROUND THE CREST OF THE FABRIC FOR OVER FLOW STABILITY.

11 DROP INLET PROTECTION

SCALE: NTS

#### DRAINAGE STRUCTURE GENERAL NOTES

- ALL STRUCTURES SHALL BE RATED FOR H-20 LOADING
- REINFORCING FOR ALL SECTIONS SHALL BE AS FOLLOWS:  
TOP: #3 BARS SPACED AT 4" IN BOTH DIRECTIONS.  
BOTTOM: #3 BARS SPACED AT 4" IN BOTH DIRECTIONS.  
SIDES: #3 BARS SPACED AT 8" IN BOTH HORIZONTAL AND VERTICAL.
- ALL REINFORCEMENT SHALL BE PLACED SO IT WILL HAVE A MINIMUM COVER OF 2" AND BE LOCATED APPROXIMATELY WITHIN THE CENTER OF THE SECTION.
- TOP SLAB AND/OR FRAME ADJUSTMENT: FOR ALL DRAINAGE STRUCTURES A MAXIMUM OF 6 INCHES OF BRICK AND MORTAR OR A MAXIMUM OF 2 INCHES OF MORTAR ALONE SHALL BE USED FOR TOP SLAB AND/OR FRAME & GRATE ADJUSTMENT. FOR ADJUSTMENTS OVER 6 INCHES AND NOT TO EXCEED 12 INCHES, PRECAST CONCRETE ADJUSTMENT ELEMENT(S) MANUFACTURED IN ACCORDANCE WITH NYS-DOT STANDARD SPEC SUB-SECTION #706-04 SHALL BE USED; A MAXIMUM OF 2 INCHES OF MORTAR SHALL BE ALLOWED ON BOTH THE TOP AND BOTTOM OF THE PRECAST DEVICES. BRICK SHALL BE PRECAST PAVERS CONFORMING TO NYS-DOT STANDARD SPEC SUB-SECTION #704-13 AND MORTAR SHALL BE MORTAR FOR CONCRETE MASONRY CONFORMING TO NYS-DOT STANDARD SPEC SUB-SECTION #705-21.
- MANHOLE STEPS SHALL BE REQUIRED IN ALL DRAINAGE STRUCTURES DEEPER THAN 4 FEET. STEPS SHALL CONFORM TO NYS-DOT STANDARD SPEC SUB-SECTION #725-02.
- BASE OF PRECAST CATCH BASIN SHALL REST ON BASE MATERIAL COMPACTED IN PLACE WITH A VIBRATORY MECHANICAL TAMPER IN LIFTS NOT TO EXCEED 6" AT A TIME.
- TRENCH SIDES SHALL CONFORM TO NYS DEPT OF LABOR AND OSHA SAFETY REGULATIONS.
- MANHOLE INLET AND OUTLET PIPE CONNECTIONS MUST BE JOINED TO THE MANHOLE WITH A GASKETED, FLEXIBLE, WATERTIGHT CONNECTION OR IN ANY WATERTIGHT ARRANGEMENT THAT ALLOWS DIFFERENTIAL SETTLING OF THE MANHOLE WALL AND PIPE TO TAKE PLACE.



TYPICAL INSTALLATION  
1. MINIMUM VERTICAL SEPARATION IS 18" FROM TOP OF PIPE TO BOTTOM OF PIPE.  
2. SEWER JOINTS ARE TO BE SPACED EQUIDISTANT AND AS FAR AS POSSIBLE FROM THE WATER MAIN JOINTS.  
VERTICAL SEPARATION LESS THAN 18"  
1. SEWER SHALL BE DESIGNED AND CONSTRUCTED EQUAL TO THE WATER PIPE, AND SHALL BE PRESSURE TESTED AT 150 PSI TO ASSURE WATER TIGHTNESS PRIOR TO BACKFILLING.  
2. SEWER JOINTS ARE TO BE SPACED EQUIDISTANT AND AS FAR AS POSSIBLE FROM THE WATER MAIN JOINTS.  
WATER CROSSES UNDER SEWER  
1. SEWER SHALL BE DESIGNED AND CONSTRUCTED EQUAL TO THE WATER PIPE, AND SHALL BE PRESSURE TESTED AT 150 PSI TO ASSURE WATER TIGHTNESS PRIOR TO BACKFILLING.  
2. SEWER JOINTS ARE TO BE SPACED EQUIDISTANT AND AS FAR AS POSSIBLE FROM THE WATER MAIN JOINTS.  
3. PROVIDE ADEQUATE STRUCTURAL SUPPORT FOR SEWER TO MAINTAIN LINE AND GRADE

3 WATER AND SEWER SEPARATION

SCALE: NTS

PROJECT TITLE: HUNTER'S RIDGE (PAULI DRIVE EXTENSION)  
TOWN OF MANLIUS  
ONONDAGA CO., NY  
PREPARED FOR: ROBERT CARON HOMES  
7990 BLARNEY STONE WAY  
MANLIUS, NY 13104

#### DETAILS

| NO. | DATE     | REVISION/ISSUE | PER TOWN COMMENTS |
|-----|----------|----------------|-------------------|
| 1   | 02/02/22 |                |                   |

PREPARED BY: NAPIERALA CONSULTING  
CONSULTING PROFESSIONAL ENGINEER, P.C.  
SUIITE • DESIGN • ENGINEERING  
110 FAYETTE STREET  
MANLIUS, NEW YORK 13104  
email: MNAP@MNAPCON.COM  
PH: (315) 682-5580 FAX: (315) 682-5544

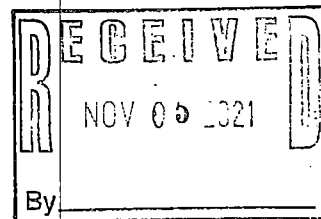
21-1973  
30 JUNE 2021  
AS NOTED  
SCALE

C-4



Expected  
Fee: \_\_\_\_\_

TOWN OF MANLIUS  
PLANNING DEPARTMENT  
INITIAL APPEARANCE APPLICATION



DATE: November 3, 2021

Name of Project: Hunters Ridge

**Applicant must submit 12 copies of all site plans, surveys, and supporting data with the final application before a planning board meeting can be scheduled.**

Location of Project: Hunters Ridge / Pauli Drive

Type of Project:

☐ Division of Land ☒ Subdivision ☐ Accessory Use ☐ Zone Change ☐ Site Review ☐ Other \_\_\_\_\_

Developer: Robert Caron Homes Inc Phone: 315-682-2525

Address: 7990 Blarney Stone Way Manlius Zip: 13104

Tax Map Number(s): 111-000-0008-017-001 & 111-000-0002-009-005-

Present Zoning: \_\_\_\_\_ Desired Zoning: \_\_\_\_\_

Total Acreage: 12.4 Total Number of Lots: 10

Property Owner/s: Calico Development LLC Phone: 315-682-2525

Address: 7990 Blarney Stone Way Manlius Zip: 13104

Tax Map(s): 111-000-0002-009-005 Owner's Signature: [Signature] Pres

Printed Name: Robert Caron Pres

Property Owner/s: Cordelle Development Corporation Phone: 315-682-5151

Address: 206 E Seneca St Manlius NY Zip: 13104

Tax Map(s): 111-000-0008-017-001 Owner's Signature: R. F. Nelson

Printed Name: Robert DeForest III President

**Use next page for additional known property owners' information**

Planning Board Meeting Date Assignment: \_\_\_\_\_

Fee: \_\_\_\_\_ Paid: \_\_\_\_\_ Per: ☐ Credit/Debit Card ☐ Check ☐ Cash

Planning Board - Initial



## Short Environmental Assessment Form

**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.

|                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                     |                          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------|--------------------------|
| <b>Part 1 - Project and Sponsor Information</b>                                                                                                                                                                                                                                                                                                                                                                  |  |                                     |                          |
| Name of Action or Project:<br>Hunters Ridge / Pauli Drive                                                                                                                                                                                                                                                                                                                                                        |  |                                     |                          |
| Project Location (describe, and attach a location map):                                                                                                                                                                                                                                                                                                                                                          |  |                                     |                          |
| Brief Description of Proposed Action:<br>Seeking Final Approval                                                                                                                                                                                                                                                                                                                                                  |  |                                     |                          |
| Name of Applicant or Sponsor:<br>Sharon Caron                                                                                                                                                                                                                                                                                                                                                                    |  | Telephone: 315-682-2525             |                          |
|                                                                                                                                                                                                                                                                                                                                                                                                                  |  | E-Mail: scaron@twinkl.com           |                          |
| Address:<br>7990 Blarney Stone Way                                                                                                                                                                                                                                                                                                                                                                               |  |                                     |                          |
| City/PO:<br>Manlius                                                                                                                                                                                                                                                                                                                                                                                              |  | State:<br>NY                        | Zip Code:<br>13104       |
| 1. Does the proposed action only involve the legislative adoption of a plan, local law, ordinance, administrative rule, or regulation?                                                                                                                                                                                                                                                                           |  | NO                                  | YES                      |
| 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.                                                                                                                                                                                                       |  | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Does the proposed action require a permit, approval or funding from any other governmental Agency?                                                                                                                                                                                                                                                                                                            |  | NO                                  | YES                      |
| If Yes, list agency(s) name and permit or approval:                                                                                                                                                                                                                                                                                                                                                              |  | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3.a. Total acreage of the site of the proposed action?                                                                                                                                                                                                                                                                                                                                                           |  | 12.4 acres                          |                          |
| b. Total acreage to be physically disturbed?                                                                                                                                                                                                                                                                                                                                                                     |  | 4.5 acres                           |                          |
| c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor?                                                                                                                                                                                                                                                                                           |  | 12.4 acres                          |                          |
| 4. Check all land uses that occur on, adjoining and near the proposed action.                                                                                                                                                                                                                                                                                                                                    |  |                                     |                          |
| <input type="checkbox"/> Urban <input type="checkbox"/> Rural (non-agriculture) <input type="checkbox"/> Industrial <input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Residential (suburban)<br><input type="checkbox"/> Forest <input type="checkbox"/> Agriculture <input type="checkbox"/> Aquatic <input type="checkbox"/> Other (specify): _____<br><input type="checkbox"/> Parkland |  |                                     |                          |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                           |                                            |                                 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------------------|---------------------------------|
| 5. Is the proposed action,<br>a. A permitted use under the zoning regulations?                                                                                                                                                                                                                                                                                                                                                                                                                     | NO<br><input type="checkbox"/>            | YES<br><input checked="" type="checkbox"/> | N/A<br><input type="checkbox"/> |
| b. Consistent with the adopted comprehensive plan?                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <input type="checkbox"/>                  | <input checked="" type="checkbox"/>        | <input type="checkbox"/>        |
| 6. Is the proposed action consistent with the predominant character of the existing built or natural landscape?                                                                                                                                                                                                                                                                                                                                                                                    | NO<br><input type="checkbox"/>            | YES<br><input checked="" type="checkbox"/> |                                 |
| 7. Is the site of the proposed action located in, or does it adjoin, a state listed Critical Environmental Area?<br>If Yes, identify: _____                                                                                                                                                                                                                                                                                                                                                        | NO<br><input checked="" type="checkbox"/> | YES<br><input type="checkbox"/>            |                                 |
| 8. a. Will the proposed action result in a substantial increase in traffic above present levels?                                                                                                                                                                                                                                                                                                                                                                                                   | NO<br><input checked="" type="checkbox"/> | YES<br><input type="checkbox"/>            |                                 |
| b. Are public transportation service(s) available at or near the site of the proposed action?                                                                                                                                                                                                                                                                                                                                                                                                      | <input checked="" type="checkbox"/>       | <input type="checkbox"/>                   |                                 |
| c. Are any pedestrian accommodations or bicycle routes available on or near site of the proposed action?                                                                                                                                                                                                                                                                                                                                                                                           | <input checked="" type="checkbox"/>       | <input type="checkbox"/>                   |                                 |
| 9. Does the proposed action meet or exceed the state energy code requirements?<br>If the proposed action will exceed requirements, describe design features and technologies: _____                                                                                                                                                                                                                                                                                                                | NO<br><input type="checkbox"/>            | YES<br><input checked="" type="checkbox"/> |                                 |
| 10. Will the proposed action connect to an existing public/private water supply?<br>If No, describe method for providing potable water: _____                                                                                                                                                                                                                                                                                                                                                      | NO<br><input type="checkbox"/>            | YES<br><input checked="" type="checkbox"/> |                                 |
| 11. Will the proposed action connect to existing wastewater utilities?<br>If No, describe method for providing wastewater treatment: _____                                                                                                                                                                                                                                                                                                                                                         | NO<br><input type="checkbox"/>            | YES<br><input checked="" type="checkbox"/> |                                 |
| 12. a. Does the site contain a structure that is listed on either the State or National Register of Historic Places?                                                                                                                                                                                                                                                                                                                                                                               | NO<br><input checked="" type="checkbox"/> | YES<br><input type="checkbox"/>            |                                 |
| b. Is the proposed action located in an archeological sensitive area?                                                                                                                                                                                                                                                                                                                                                                                                                              | <input checked="" type="checkbox"/>       | <input type="checkbox"/>                   |                                 |
| 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?                                                                                                                                                                                                                                                                                                           | NO<br><input checked="" type="checkbox"/> | YES<br><input type="checkbox"/>            |                                 |
| b. Would the proposed action physically alter, or encroach into, any existing wetland or waterbody?<br>If Yes, identify the wetland or waterbody and extent of alterations in square feet or acres: _____                                                                                                                                                                                                                                                                                          | <input checked="" type="checkbox"/>       | <input type="checkbox"/>                   |                                 |
| 14. Identify the typical habitat types that occur on, or are likely to be found on the project site. Check all that apply:<br><input type="checkbox"/> Shoreline <input type="checkbox"/> Forest <input type="checkbox"/> Agricultural/grasslands <input type="checkbox"/> Early mid-successional<br><input type="checkbox"/> Wetland <input type="checkbox"/> Urban <input type="checkbox"/> Suburban                                                                                             |                                           |                                            |                                 |
| 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?                                                                                                                                                                                                                                                                                                                             | NO<br><input checked="" type="checkbox"/> | YES<br><input type="checkbox"/>            |                                 |
| 16. Is the project site located in the 100 year flood plain?                                                                                                                                                                                                                                                                                                                                                                                                                                       | NO<br><input checked="" type="checkbox"/> | YES<br><input type="checkbox"/>            |                                 |
| 17. Will the proposed action create storm water discharge, either from point or non-point sources?<br>If Yes,<br>a. Will storm water discharges flow to adjacent properties? <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES<br>b. Will storm water discharges be directed to established conveyance systems (runoff and storm drains)? <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES<br>If Yes, briefly describe: <u>Go to existing detention ponds</u> | NO<br><input type="checkbox"/>            | YES<br><input checked="" type="checkbox"/> |                                 |

|                                                                                                                                                                                                                     |                                     |                          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|--------------------------|
| 18. Does the proposed action include construction or other activities that result in the impoundment of water or other liquids (e.g. retention pond, waste lagoon, dam)?<br>If Yes, explain purpose and size: _____ | NO                                  | YES                      |
|                                                                                                                                                                                                                     | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 19. Has the site of the proposed action or an adjoining property been the location of an active or closed solid waste management facility?<br>If Yes, describe: _____                                               | NO                                  | YES                      |
|                                                                                                                                                                                                                     | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 20. Has the site of the proposed action or an adjoining property been the subject of remediation (ongoing or completed) for hazardous waste?<br>If Yes, describe: _____                                             | NO                                  | YES                      |
|                                                                                                                                                                                                                     | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <b>I AFFIRM THAT THE INFORMATION PROVIDED ABOVE IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE</b><br>Applicant/sponsor name: <u>Sharon Caron</u> Date: _____<br>Signature: <u><i>Sharon Caron</i></u>            |                                     |                          |

**STOP**

**Part 2 - Impact Assessment.** The Lead Agency is responsible for the completion of Part 2. Answer all of the following questions in Part 2 using the information contained in Part 1 and other materials submitted by the project sponsor or otherwise available to the reviewer. When answering the questions the reviewer should be guided by the concept "Have my responses been reasonable considering the scale and context of the proposed action?"

|                                                                                                                                                                            | No, or small impact may occur | Moderate to large impact may occur |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|------------------------------------|
| 1. Will the proposed action create a material conflict with an adopted land use plan or zoning regulations?                                                                | <input type="checkbox"/>      | <input type="checkbox"/>           |
| 2. Will the proposed action result in a change in the use or intensity of use of land?                                                                                     | <input type="checkbox"/>      | <input type="checkbox"/>           |
| 3. Will the proposed action impair the character or quality of the existing community?                                                                                     | <input type="checkbox"/>      | <input type="checkbox"/>           |
| 4. Will the proposed action have an impact on the environmental characteristics that caused the establishment of a Critical Environmental Area (CEA)?                      | <input type="checkbox"/>      | <input type="checkbox"/>           |
| 5. Will the proposed action result in an adverse change in the existing level of traffic or affect existing infrastructure for mass transit, biking or walkway?            | <input type="checkbox"/>      | <input type="checkbox"/>           |
| 6. Will the proposed action cause an increase in the use of energy and it fails to incorporate reasonably available energy conservation or renewable energy opportunities? | <input type="checkbox"/>      | <input type="checkbox"/>           |
| 7. Will the proposed action impact existing:                                                                                                                               | <input type="checkbox"/>      | <input type="checkbox"/>           |
| a. public / private water supplies?                                                                                                                                        | <input type="checkbox"/>      | <input type="checkbox"/>           |
| b. public / private wastewater treatment utilities?                                                                                                                        | <input type="checkbox"/>      | <input type="checkbox"/>           |
| 8. Will the proposed action impair the character or quality of important historic, archaeological, architectural or aesthetic resources?                                   | <input type="checkbox"/>      | <input type="checkbox"/>           |
| 9. Will the proposed action result in an adverse change to natural resources (e.g., wetlands, waterbodies, groundwater, air quality, flora and fauna)?                     | <input type="checkbox"/>      | <input type="checkbox"/>           |

|                                                                                                                 | No, or<br>small<br>impact<br>may<br>occur | Moderate<br>to large<br>impact<br>may<br>occur |
|-----------------------------------------------------------------------------------------------------------------|-------------------------------------------|------------------------------------------------|
| 10. Will the proposed action result in an increase in the potential for erosion, flooding or drainage problems? | <input checked="" type="checkbox"/>       | <input type="checkbox"/>                       |
| 11. Will the proposed action create a hazard to environmental resources or human health?                        | <input checked="" type="checkbox"/>       | <input type="checkbox"/>                       |

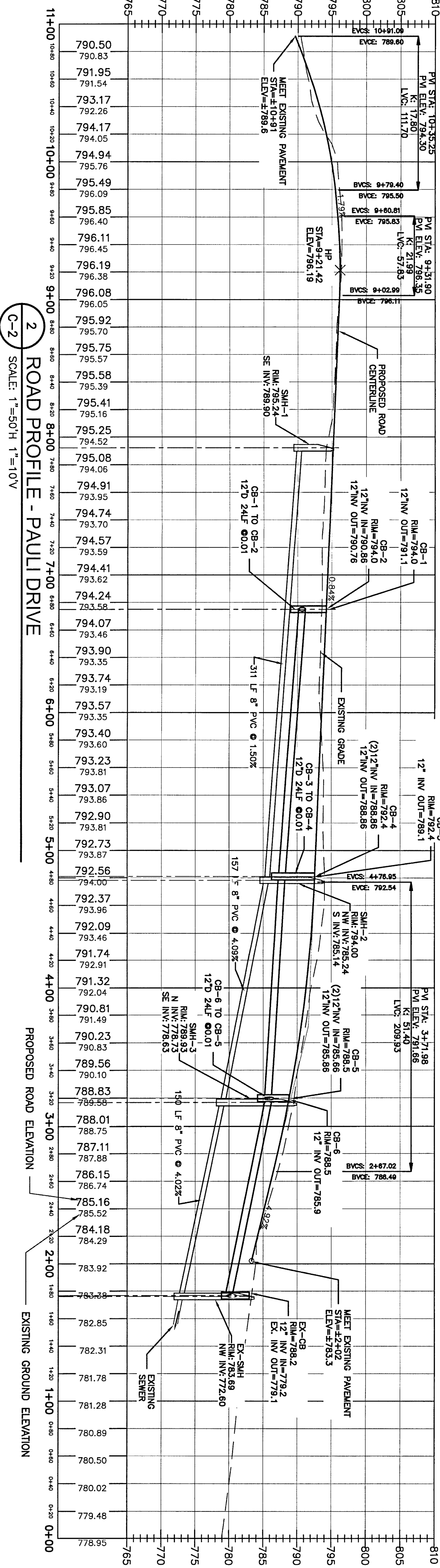
**Part 3 - Determination of significance.** The Lead Agency is responsible for the completion of Part 3. For every question in Part 2 that was answered "moderate to large impact may occur", or if there is a need to explain why a particular element of the proposed action may or will not result in a significant adverse environmental impact, please complete Part 3. Part 3 should, in sufficient detail, identify the impact, including any measures or design elements that have been included by the project sponsor to avoid or reduce impacts. Part 3 should also explain how the lead agency determined that the impact may or will not be significant. Each potential impact should be assessed considering its setting, probability of occurring, duration, irreversibility, geographic scope and magnitude. Also consider the potential for short-term, long-term and cumulative impacts.

|                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input type="checkbox"/>                                                                                                                                                                                                | Check this box if you have determined, based on the information and analysis above, and any supporting documentation, that the proposed action may result in one or more potentially large or significant adverse impacts and an environmental impact statement is required. |
| <input type="checkbox"/>                                                                                                                                                                                                | Check this box if you have determined, based on the information and analysis above, and any supporting documentation, that the proposed action will not result in any significant adverse environmental impacts.                                                             |
| <div style="display: flex; justify-content: space-between;"> <div> <hr/> Name of Lead Agency </div> <div> <hr/> Date </div> </div>                                                                                      |                                                                                                                                                                                                                                                                              |
| <div style="display: flex; justify-content: space-between;"> <div> <hr/> Print or Type Name of Responsible Officer in Lead Agency </div> <div> <hr/> Title of Responsible Officer </div> </div>                         |                                                                                                                                                                                                                                                                              |
| <div style="display: flex; justify-content: space-between;"> <div> <hr/> Signature of Responsible Officer in Lead Agency </div> <div> <hr/> Signature of Preparer (if different from Responsible Officer) </div> </div> |                                                                                                                                                                                                                                                                              |

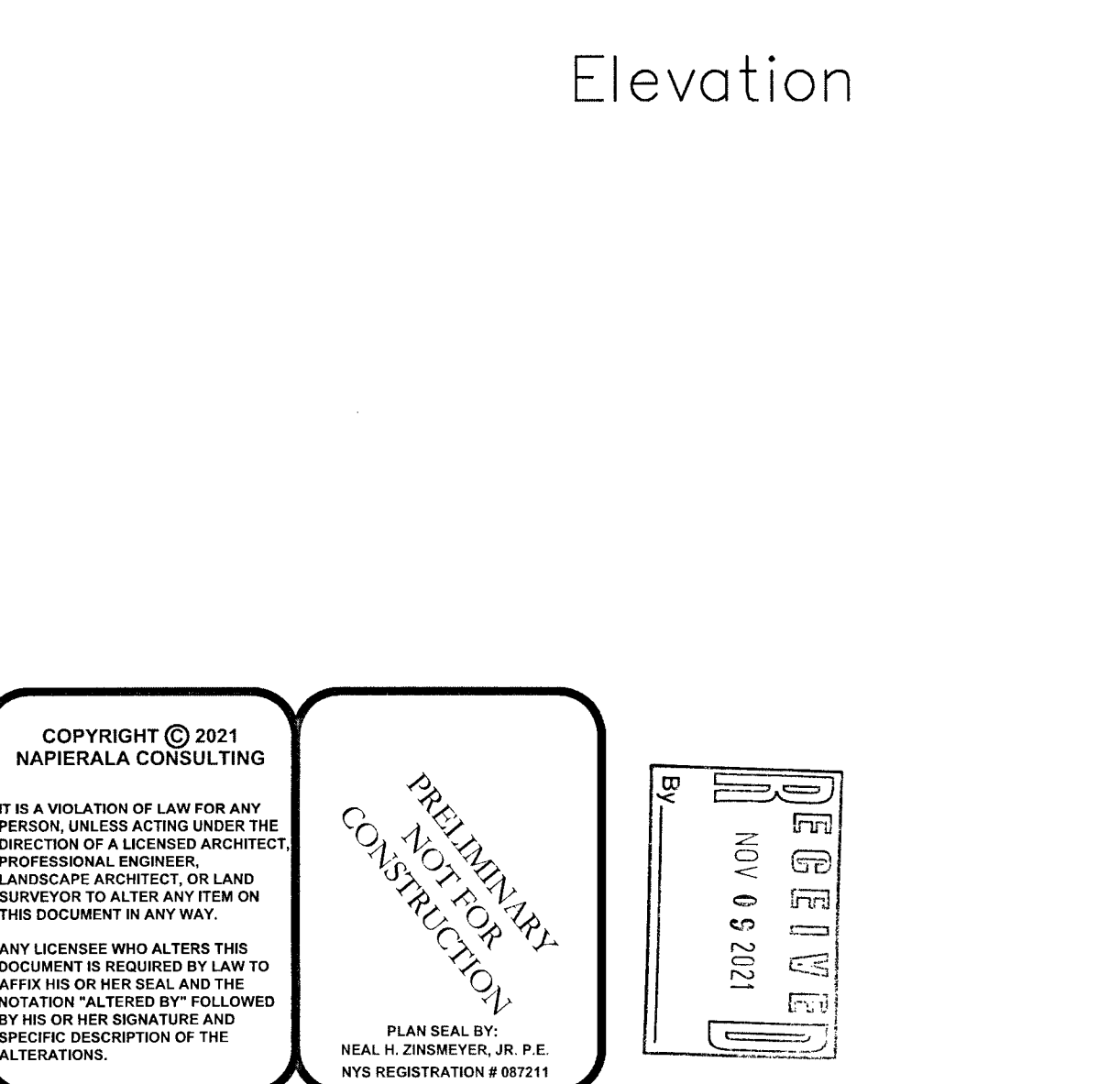
**PRINT**



Elevation



Elevation



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IT IS A VIOLATION OF LAW FOR ANY  
PERSON, UNLESS ACTING UNDER THE  
DIRECTION OF A LICENSED ARCHITECT,  
PROFESSIONAL ENGINEER,  
LANDSCAPE ARCHITECT, OR LAND  
SURVEYOR TO ALTER ANY ITEM ON  
THIS DOCUMENT IN ANY WAY.

ANY LICENSEE WHO ALTERS THIS  
DOCUMENT IS REQUIRED BY LAW TO  
AFFIX HIS OR HER SEAL AND THE  
NOTATION "ALTERED BY" FOLLOWED  
BY HIS OR HER SIGNATURE AND  
SPECIFIC DESCRIPTION OF THE  
ALTERATIONS.

PLAN SEAL BY:  
NEAL H. ZIMMEYER, JR. P.E.  
NYS REGISTRATION # 007211

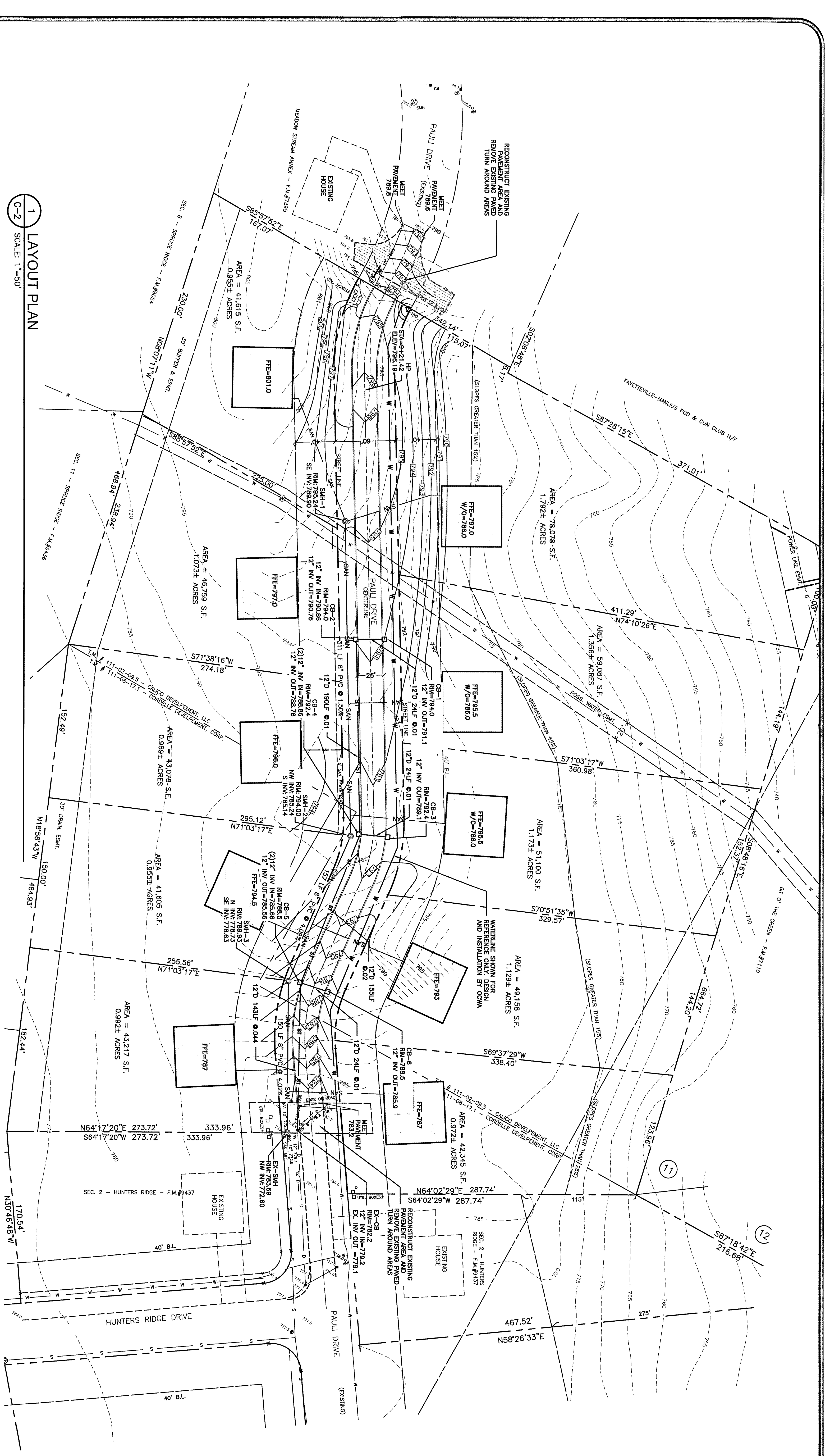
RECEIVED  
NOV 05 2021

PRELIMINARY  
NOT FOR  
CONSTRUCTION

SHEET  
PROJECT NO.  
21-1973  
DATE  
30 JUNE 2021  
SCALE  
1"=50'

PREPARED BY:  
NAPIERALA  
CONSULTING  
PROFESSIONAL ENGINEER, P.C.  
SITE • DESIGN • ENGINEERING  
110 FAYETTE STREET  
MANLIUS, NEW YORK 13104  
email: MNAP@NAPCON.COM  
PH: (315) 682-5580 FAX: (315) 682-5544

1 LAYOUT PLAN  
SCALE: 1"=50'



GRAPHIC SCALE  
0 50 100  
(IN FEET)  
1 inch = 50 ft

NO. REVISION/ISSUE DATE

SHEET TITLE:  
LAYOUT, GRADING AND  
ROAD PROFILE

PROJECT TITLE:  
HUNTER'S RIDGE  
(PAULI DRIVE EXTENSION)  
TOWN OF MANLIUS ONONDAGA CO., NY  
PREPARED FOR:  
ROBERT CARON HOMES  
7990 BLARNEY STONE WAY  
MANLIUS, NY 13104