TOWN OF NEWBURGH
PLANNING BOARD
TECHNICAL REVIEW COMMENTS

PROJECT NAME:	**ANCHORAGE-ON-THE-HUDSON LOT #2 – AMENDED SUBDIVISON**
PROJECT NO.:	**25-2**
PROJECT LOCATION:	**SECTION 121, BLOCK 1, LOT 2**
REVIEW DATE:	**26 FEBRUARY 2025**
MEETING DATE:	**6 MARCH 2025**
PROJECT REPRESENTATIVE:	**DAY STOKOSA ENGINEERING P.C., BRIAN STOKOSA, P.E.**

1. The project requires approval from the Orange County Health Department due to the proposed modifications to the sanitary sewer disposal system. Status of the Orange County Health Department permit should be addressed.

2. Highway Superintendents comments on the driveway locations should be received.

3. The limits of disturbance have been identified on the plans as .68 +/- acres . Project proposes to disturb less than 1-acre.

4. The minimum side yard bulk table is identified as 23 feet. Both side yards are required to be 80 the number in the both side yard provided should be the combined total of the 88.2 plus 33.6. Noted the project does comply with the side yard setback.

Respectfully submitted,

MHE Engineering, D.P.C.

Patrick J. Hines
Principal
PJH/kmm

Michael W. Weeks, P.E.
Principal

NEW YORK OFFICE
33 Airport Center Drive, Suite 202, New Windsor, NY 12553
845-567-3100 | F: 845-567-3232 | mheny@mhepc.com

PENNSYLVANIA OFFICE
111 Wheatfield Drive, Suite 1, Milford, PA 18337
570-296-2765 | F: 570-296-2767 | mhepa@mhepc.com

TOWN OF NEWBURGH PLANNING BOARD

PROJECT NAME: Anchorage-on-Hudson Lot #2

CHECKLIST FOR MAJOR/MINOR SUBDIVISION AND/OR SITE PLAN

I. The following items shall be submitted with a COMPLETED Planning Board Application Form.

1. X **Environmental Assessment Form As Required**

2. X **Proxy Statement**

3. X **Application Fees**

4. X **Completed Checklist (Automatic rejection of application without checklist)**

II. The following checklist items shall be incorporated on the Subdivision Plat or Site Plan prior to consideration of being placed on the Planning Board Agenda. Non-submittal of the checklist will result in rejection of the application.

1. X **Name and address of applicant**

2. ____ **Name and address of owner (if different from applicant)**

3. X **Subdivision or Site Plan and Location**

4. X **Tax Map Data (Section-Block-Lot)**

5. X **Location map at a scale of 1" = 2,000 ft. or less on a tax map or USCGS map base only with property outlined**

6. X **Zoning table showing what is required in the particular zone and what applicant is proposing. A table is to be provided for each proposed lot**

7. N/A **Show zoning boundary if any portion of proposed site is within or adjacent to a different zone**

8. X **Date of plan preparation and/or plan revisions**

9. X **Scale the plan is drawn to (Max 1" = 100')**

10. X **North Arrow pointing generally up**

11. N/A **Surveyor's Certification**

12. N/A **Surveyor's seal and signature**

13. X **Name of adjoining owners**

14. N/A **Wetlands and buffer zones with an appropriate note regarding D.E.C. or A.C.O.E. requirements**

15. N/A **Flood plain boundaries**

16. X **Certified sewerage system design and placement by a Licensed Professional Engineer must be shown on plans in accordance with Local Law #1 1989**

17. X **Metes and bounds of all lots**

18. X **Name and width of adjacent streets; the road boundary is to be a minimum of 25 ft. from the physical center line of the street**

19. N./A **Show existing or proposed easements (note restrictions)**

20. X **Right-of-way width and Rights of Access and Utility Placement**

21. N/A **Road profile and typical section (minimum traveled surface, excluding shoulders, is to be 18 ft. wide)**

22. X **Lot area (in sq. ft. for each lot less than 2 acres)**

23. X **Number of lots including residual lot**

24. N/A **Show any existing waterways**

25. N/A **A note stating a road maintenance agreement is to be filed in the County Clerk's Office where applicable**

26. X **Applicable note pertaining to owners review and concurrence with plat together with owner's signature**

27. X **Show any improvements, i.e. drainage systems, water lines, sewer lines, etc.**

28. N/A **Show all existing houses, accessory structures, wells and septic systems on and within 200 ft. of the parcel to be subdivided**

29. X **Show topographical data with 2 ft. contours on initial submission**

30. X **Compliance with the Tree Preservation Ordinance Code Section**

31. X **Indicate any reference to a previous subdivision, i.e. filed map number, date and previous lot number**

32. N/A **If a private road, Town Board approval of name is required, and notes on the plan that no town services will be provided and a street sign (per town specs) is to be furnished and installed**

33. X **Number of acres to be cleared or timber harvested**

34. N/A **Estimated or known cubic yards of material to be excavated and removed from the site**

35. N/A **Estimated or known cubic yards of fill required**

36. X **The amount of grading expected or known to be required to bring the site to readiness**

37. N/A **Type and amount of site preparation which falls within the buffer strip of wetlands or within the Critical Environmental Area. Please explain in sq. ft. or cubic yards.**

38. N/A **Any amount of site preparation within a 100 year floodplain or any water course on the site. Please explain in sq. ft. or cubic yards.**

39. ____ **List of property owners within 500 feet of all parcels to be developed (see attached statement).**

The plan for the proposed subdivision or site has been prepared in accordance with this checklist.

By: _____
Licensed Professional -Signature

Print Name: Brian J. Stokosa, P.E.

Date: 1-14-2025

This list is designed to be a guide ONLY. The Town of Newburgh Planning Board may require additional notes or revisions prior to granting approval.

Date Prepared: 1-14-2025

TOWN OF NEWBURGH
APPLICATION FOR
SUBDIVISION/SITE PLAN REVIEW

RETURN TO: Town of Newburgh Planning Board
21 Hudson Valley Professional Plaza
Newburgh, New York 12550

DATE RECEIVED: _____ **TOWN FILE NO:** PB # 2025-02
(Application fee returnable with this application)

1. **Title of Subdivision/Site Plan (Project name):**
   Anchorage-on-Hudson Lot #2

2. **Owner of Lands to be reviewed:**
   Name Jesse Malik
   Address 56 CRONOMER HEIGHTS DRIVE, NEWBURGH, NY 12550
   Phone 201-873-1124
   Email jessemalik@gmail.com

3. **Applicant Information (If different than owner):**
   Name Same
   Address
   Representative Day and Stokosa Engineering - Brian Stokosa
   Phone 845-223-3202
   Email bstokosa@daystokosaeng.com

4. **Subdivision/Site Plan prepared by:**
   Name Day and Stokosa Engineering
   Address 3 Van Wyck Lane, Wappingers Falls, NY 12590
   Phone 845-223-3202
   Email bstokosa@daystokosaeng.com

5. **Location of lands to be reviewed:**
   Mariners Court, Town of Newburgh

6. **Zone** R-1 **Fire District** FD025-Middle Hope
   Acreage 1.10 **School District** Marlboro

7. **Tax Map: Section** 121 **Block** 1 **Lot** 2

8. **Project Description and Purpose of Review:**
   Number of existing lots 1 **Number of proposed lots** _____
   Lot line change _____
   Site plan review _____
   Clearing and grading _____
   Other Amended Subdivision for Driveway Relocation

PROVIDE A WRITTEN SINGLE PAGE DESCRIPTION OR NARRATIVE OF THE PROJECT

9. **Easements or other restrictions on property:**
   (Describe generally) N/A

10. **The undersigned hereby requests approval by the Planning Board of the above identified application and scheduling for an appearance on an agenda:**

Signature: Jesse S Malik **Title** Owner

Print Name: Jesse Malik

Date: 11/21/24

NOTE: **If property abuts and has its access to a County or State Highway or road, the following information must be placed on the subdivision map or site plan: entrance location, entrance profile, sizing of pipe (minimum length of pipe to be 24 feet).**

The applicant will also be required to submit an additional set of plans, narrative letter and EAF if referral to the Orange County Planning Department is required under General Municipal Law Section 239.

FEE LAW SUMMARY

PENDING APPLICATIONS

All applicants with matters pending before the Planning Board as of the effective date of this local law shall be required to post as escrow in the manner and upon the terms and conditions set forth below:

(a) The Planning Board, in consultation with the applicant, shall compute the amount of the escrow to be posted with the Town. Such amount shall be reasonably related to the costs attendant to the Town's review of the application as of the effective date of this local law. Under no circumstances shall the escrow include amounts attributable to any costs incurred by the Town prior to the effective date of this local law.

(b) Once computed and established by Resolution of the Planning Board, the applicant shall, within fifteen (15) days of said resolution, post escrow fees with the Secretary of the Planning Board. Failure to deliver the said escrow fees may result in delay of the further processing of the application.

SEVERABILITY

In the event a court of law determined that any provision of this chapter is unenforceable, then only that provision shall be affected and all other provisions shall be fully enforceable.

EFFECTIVE DATE:

This local law shall take effect immediately upon filing in the Office of the Secretary of State.

FEE ACKNOWLEDGEMENT

The Town of Newburgh Municipal Code sets forth the schedule of fees for applications to the Planning Board. The signing of this application indicates your acknowledgement of responsibility for payment of these fees to the Planning Board for review of this application, including, but not limited to escrow fees for professional services (planner/consultant, engineering, legal, landscape consultant, traffic consultant), public hearing and site inspection.

Applicant's submissions and resubmissions are not complete and will not be considered by the planning board or placed upon its agenda unless all outstanding fees have been paid. Fees incurred after the stamping of plans will remain the responsibility of the applicant prior to approval of a building permit or certificate of occupancy. Fee schedules are available from the Planning Board Secretary and are on the Town's website.

Town of Newburgh Code Chapter 104-2. Planning, Zoning and Building fees, Section E(2)(e) states: If the escrow account falls below 40% of the initial deposit, the Planning Board may, if recommended by the consulting engineer, planner or attorney, require that the applicant pay additional funds into the escrow account up to 75% of the initial deposit.

Jesse Smalik

APPLICANT'S SIGNATURE

Jesse Malik

APPLICANT'S NAME-- PRINTED

11/21/24

DATE

PROXY

(OWNER) Jesse Malik, DEPOSES AND SAYS THAT HE/SHE

RESIDES AT 56 CRONOMER HEIGHTS DRIVE, NEWBURGH, NY 12550

IN THE COUNTY OF Orange County

AND STATE OF New York

AND THAT HE/SHE IS THE OWNER IN FEE OF:
Address: Mariners Court

Section 121 Block 1 Lot 2
WHICH IS THE PREMISES DESCRIBED IN THE FOREGOING

APPLICATION AS DESCRIBED THEREIN TO THE TOWN OF NEWBURGH

PLANNING BOARD AND Day and Stokosa Engineering IS AUTHORIZED

TO REPRESENT THEM AT MEETINGS OF SAID BOARD.

DATED: 11/21/24

Jesse Malik
OWNERS SIGNATURE

Jesse Malik
OWNERS NAME (printed)

WITNESS' SIGNATURE

NAMES OF ADDITIONAL
REPRESENTATIVES

Heather Brakenberg
WITNESS' NAME (printed)

STATE OF NEW YORK)
)SS.:
COUNTY OF ORANGE)

On the 21 day of November 2024, before me, the undersigned, a Notary Public in and for said State, personally appeared, Jesse Malik, personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his capacity, and that by his signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

NOTARY PUBLIC Jennifer Maraday

JENNIFER MARADAY
Notary Public, State of New York
No. 01MA6150708
Qualified in Orange County
My Commission Expires 9/21/26

PLANNING BOARD DISCLAIMER STATEMENT
TO APPLICANTS

The applicant is advised that the Town of Newburgh Municipal Code, which contains the Town's Zoning Law, is subject to amendment. Submission of an application to this Board does not grant the applicant any right to continued review under the Code's current standards and requirements. It is possible that the applicant will be required to meet changed standards or new Code requirements made while the application is pending.

An approval by this Board does not constitute permission, nor grant any right to connect to or use municipal services such as sewer, water or roads. It is the applicant's responsibility to apply for and obtain the Town of Newburgh and other agency approvals not within this Board's authority to grant.

The applicant hereby acknowledges, consents, and agrees to the above.

11/21/24
DATED

Jesse S Malik
APPLICANT'S SIGNATURE

Jesse Malik
APPLICANT'S NAME - PRINTED

DISCLOSURE ADDENDUM STATEMENT TO APPLICATION, PETITION AND REQUEST

Mindful of the provisions of Section 809 of the General Municipal Law of the State of New York, and of the Penal provisions thereof as well, the undersigned applicant states that no State Officer, Officer or Employee of the Town of Newburgh, or Orange County, has any interest, financial or otherwise, in this application or with, or in the applicant as defined in said Statute, except the following person or persons who is or are represented to have only the following type of interest, in the nature and to the extent hereinafter indicated:

X **NONE**

_____ **NAME, ADDRESS, RELATIONSHIP OR INTEREST**
(financial or otherwise)

_____

_____

_____

This disclosure addendum statement is annexed to and made a part of the petition, application and request made by the undersigned applicant to the following Board or Officer of the Town of Newburgh.

_____ **TOWN BOARD**
_____ **PLANNING BOARD**
_____ **ZONING BOARD OF APPEALS**
_____ **ZONING ENFORCEMENT OFFICER**
_____ **BUILDING INSPECTOR**
_____ **OTHER**

11/21/24
DATED

Jane S Malik
INDIVIDUAL APPLICANT

_____
CORPORATE OR PARTNERSHIP APPLICANT

BY: _____

TITLE: _____

PRINT: _____

Certificate and Acknowledgement

The undersigned applicant represents, warrants, covenants and agrees that it shall notify all successors, assigns, purchasers and transferees of applicant's interest in the subject property, or rights to develop the subject property, or membership interests in the applicant, of the deferral of the payment of the Recreation Fee in Lieu of Parkland and the delivery of the performance security for landscaping improvements and the conditions thereof and that it shall cause those conditions to be binding upon all such successors, assigns, purchasers and transferees.

The applicant agrees for itself and all successors, assigns, purchasers and transferees, that in the event of any failure to comply with any of terms and conditions of the deferral of payment of the Recreation Fee in Lieu of Parkland and the delivery of the performance security for landscaping improvements pursuant to the Town Board of the Town of Newburgh resolution dated July 15, 2009 by the applicant, its successors, assigns, purchasers or transferees, the Town of Newburgh, in addition to all other remedies, shall be entitled to (a) issue a stop work order for any and all work commenced on the Subject Property and (b) withhold or revoke any and all building permits issued for the Subject Property.

Jesse Malik

Jesse Malik, Applicant

STATE OF NEW YORK :
:ss.:
COUNTY OF Orange :

On the 21 day of November in the year 2024 before me the undersigned, a Notary Public in and for said State, personally appeared Jesse Malik, personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name is subscribed to the within instrument and acknowledged to me that she executed the same in her capacity, and that by her signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

Jennifer Maraday
Notary Public

JENNIFER MARADAY
Notary Public, State of New York
No. 01MA6150708
Qualified in Orange County
My Commission Expires 9/21/26

Instructions for Completing Part 1

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

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

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

A. Project and Applicant/Sponsor Information.

Name of Action or Project: Anchorage on Hudson Lot #2		
Project Location (describe, and attach a general location map): Mariners Court, Town of Newburgh		
Brief Description of Proposed Action (include purpose or need): THE INTENT OF THIS PLAN IS TO SEEK AND OBTAIN HEALTH DEPARTMENT APPROVAL FOR WATER SUPPLY, WATER SERVICE LINE, AND A SUBSURFACE SEWAGE DISPOSAL SYSTEM THAT WILL SERVE A MAXIMUM OF 5 BEDROOMS. THE APPLICANT WISHES TO GAIN ACCESS FROM RIVER ROAD WHICH LESSENS SITE DISTURBANCE AND GRADING.		
Name of Applicant/Sponsor: Jesse Malik	Telephone: 201-873-1124 E-Mail: jessemalik@gmail.com	
Address: 56 Cronomer Heights Drive		
City/PO: Newburgh	State: NY	Zip Code: 12550
Project Contact (if not same as sponsor; give name and title/role): Brian Stokosa | Day and Stokosa Engineering	Telephone: 845-223-3202 E-Mail: hkrakenberg@daystokosaeng.com	
Address: 3 Van Wyck Lane		
City/PO: Wappingers Falls	State: NY	Zip Code: 12590
Property Owner (if not same as sponsor): Same as Sponsor	Telephone: E-Mail:	
Address:		
City/PO:	State:	Zip Code:

B. Government Approvals

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

Government Entity	If Yes: Identify Agency and Approval(s) Required	Application Date (Actual or projected)
a. City Counsel, Town Board, or Village Board of Trustees ☐Yes ☐No		
b. City, Town or Village Planning Board or Commission ☑Yes ☐No	Planning Board	January 2025
c. City, Town or Village Zoning Board of Appeals ☐Yes ☐No		
d. Other local agencies ☑Yes ☐No	Building Department Highway Department	Pending Pending
e. County agencies ☑Yes ☐No	Board of Health	January 2025
f. Regional agencies ☐Yes ☐No		
g. State agencies ☐Yes ☐No		
h. Federal agencies ☐Yes ☐No		

i. Coastal Resources.

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

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

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

C. Planning and Zoning

C.1. Planning and zoning actions.

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

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

C.2. Adopted land use plans.

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

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

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

If Yes, identify the plan(s):

_____

_____

_____

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

If Yes, identify the plan(s):

_____

_____

_____

C.3. Zoning

a. Is the site of the proposed action located in a municipality with an adopted zoning law or ordinance. ☑ Yes ☐ No
If Yes, what is the zoning classification(s) including any applicable overlay district?
R-1

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

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

C.4. Existing community services.

a. In what school district is the project site located? Newburgh Enlarged City School District

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

c. Which fire protection and emergency medical services serve the project site?
FD025-MIddlehope

d. What parks serve the project site?
N/A

D. Project Details

D.1. Proposed and Potential Development

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

b. a. Total acreage of the site of the proposed action? 1.09 acres
b. Total acreage to be physically disturbed? 0.68 acres
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? 1.09 acres

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

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

e. Will the proposed action be constructed in multiple phases? ☐ Yes ☑ No
i. If No, anticipated period of construction: 10 months
ii. If Yes:
- Total number of phases anticipated _____
- Anticipated commencement date of phase 1 (including demolition) _____ month _____ year
- Anticipated completion date of final phase _____ month _____year
- Generally describe connections or relationships among phases, including any contingencies where progress of one phase may determine timing or duration of future phases:

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

If Yes, show numbers of units proposed.

	One Family	Two Family	Three Family	Multiple Family (four or more)
Initial Phase	1			
At completion of all phases	1			

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

If Yes,

i. Total number of structures _____

ii. Dimensions (in feet) of largest proposed structure: _____height; _____width; and _____ length

iii. Approximate extent of building space to be heated or cooled: _____ square feet

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

If Yes,

i. Purpose of the impoundment: _____

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

_____

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

_____

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

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

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

_____

D.2. Project Operations

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

If Yes:

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

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

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

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

_____

_____

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

If yes, describe. _____

_____

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

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

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

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

ix. Summarize site reclamation goals and plan: _____

_____

_____

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

If Yes:

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

_____

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

_____

_____

_____

_____

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

If Yes, describe: _____

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

If Yes:

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

_____

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

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

_____

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

If Yes:

i. Total anticipated water usage/demand per day: 550 gallons/day

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

If Yes:

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

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

If Yes:

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

_____

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

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

If, Yes:

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

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

private well

vi. If water supply will be from wells (public or private), what is the maximum pumping capacity: 5 gallons/minute.

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

If Yes:

i. Total anticipated liquid waste generation per day: 550 gallons/day

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

sanitary wastewater

_____

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

If Yes:

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

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

If Yes:

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

_____

_____

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

If Yes:

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

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

Private Sewage Disposal System _____

_____

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

_____

_____

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

If Yes:

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

_____ Square feet or _____ acres (impervious surface)

_____ Square feet or _____ acres (parcel size)

ii. Describe types of new point sources. _____

_____

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

_____

_____

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

_____

_____

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

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

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

If Yes, identify:

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

_____

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

_____

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

_____

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

If Yes:

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

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

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

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

If Yes:

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

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

_____

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

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

_____

_____

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

If Yes:

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

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

_____

iii. Parking spaces: Existing _____ Proposed _____ Net increase/decrease _____

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

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

_____

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

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

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

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

If Yes:

i. Estimate annual electricity demand during operation of the proposed action: _____

_____

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

_____

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

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

i. During Construction:

- Monday - Friday: 7am-5pm
- Saturday: 7am-5pm
- Sunday: _____
- Holidays: _____

ii. During Operations:

- Monday - Friday: _____
- Saturday: _____
- Sunday: _____
- Holidays: _____

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

If yes:

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

Typical Construction noise during the excavation, construction of the driveway, retaining wall and foundation of the new home.

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

Describe: _____

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

If yes:

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

Residential home will be have typical outdoor lighting

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

Describe: _____

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

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

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

If Yes:

i. Product(s) to be stored _____

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

iii. Generally, describe the proposed storage facilities:_____

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

If Yes:

i. Describe proposed treatment(s):

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

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

If Yes:

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

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

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

- Construction: _____
- Operation: _____

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

- Construction: _____
- Operation: _____

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

If Yes:

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

ii. Anticipated rate of disposal/processing:

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

iii. If landfill, anticipated site life: _____ years

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

If Yes:

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

_____

_____

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

_____

_____

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

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

_____

_____

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

If Yes: provide name and location of facility: _____

_____

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

_____

_____

E. Site and Setting of Proposed Action

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

a. Existing land uses.

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

☐ Urban ☐ Industrial ☐ Commercial ☑ Residential (suburban) ☐ Rural (non-farm)

☐ Forest ☐ Agriculture ☑ Aquatic ☐ Other (specify): _____

ii. If mix of uses, generally describe:

_____

_____

b. Land uses and covertypes on the project site.

Land use or Covertype	Current Acreage	Acreage After Project Completion	Change (Acres +/-)
• Roads, buildings, and other paved or impervious surfaces	0	0.17	+.017
• Forested	0		
• Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural)	1.09	0.41	-41
• Agricultural (includes active orchards, field, greenhouse etc.)	0		
• Surface water features (lakes, ponds, streams, rivers, etc.)	0		
• Wetlands (freshwater or tidal)	0		
• Non-vegetated (bare rock, earth or fill)	0		
• Other Describe: lawns and landscaping		0.51	+.51

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

i. If Yes: explain: _____

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

If Yes,

i. Identify Facilities:

_____

_____

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

If Yes:

i. Dimensions of the dam and impoundment:

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

ii. Dam's existing hazard classification: _____

iii. Provide date and summarize results of last inspection:

_____

_____

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

If Yes:

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

- If yes, cite sources/documentation: _____

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

_____

_____

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

_____

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

If Yes:

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

_____

_____

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

If Yes:

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

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

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

☐ Neither database

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

_____

_____

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

If yes, provide DEC ID number(s): 546031

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

Hudson River - ongoing

_____

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

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

E.2. Natural Resources On or Near Project Site

a. What is the average depth to bedrock on the project site? >7 feet

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

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

CoB Collamer Silt Loam	63.1 %
NaD Nassau Channery Silt Loam	36.9 %
	%

d. What is the average depth to the water table on the project site? Average: >7 feet

e. Drainage status of project site soils:
☐ Well Drained: _____% of site
☑ Moderately Well Drained: 100 % of site
☐ Poorly Drained _____% of site

f. Approximate proportion of proposed action site with slopes:
☑ 0-10%: 21 % of site
☑ 10-15%: 15 % of site
☑ 15% or greater: 61 % of site

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

h. Surface water features.

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

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

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

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

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

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

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

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

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

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

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

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

i. Name of aquifer: _____

m. Identify the predominant wildlife species that occupy or use the project site:
Deer | Birds | Small Mammals

n. Does the project site contain a designated significant natural community? ☑ Yes ☐ No
If Yes:
i. Describe the habitat/community (composition, function, and basis for designation): Freshwater Subtidal Aquatic Bed
ii. Source(s) of description or evaluation: EAF Mapper
iii. Extent of community/habitat:
- Currently: 2013.77 acres
- Following completion of project as proposed: 2013.77 acres
- Gain or loss (indicate + or -): _____ acres

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

If Yes:
i. Species and listing (endangered or threatened): Bald Eagle, Atlantic Sturgeon, Shortnose Sturgeon, Indiana Bat

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

If Yes:
i. Species and listing:

q. Is the project site or adjoining area currently used for hunting, trapping, fishing or shell fishing? ☐ Yes ☑ No
If yes, give a brief description of how the proposed action may affect that use:

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

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

b. Are agricultural lands consisting of highly productive soils present? ☐ Yes ☑ No
i. If Yes: acreage(s) on project site?
ii. Source(s) of soil rating(s):

c. Does the project site contain all or part of, or is it substantially contiguous to, a registered National Natural Landmark? ☐ Yes ☑ No
If Yes:
i. Nature of the natural landmark: ☐ Biological Community ☐ Geological Feature
ii. Provide brief description of landmark, including values behind designation and approximate size/extent:

d. Is the project site located in or does it adjoin a state listed Critical Environmental Area? ☐ Yes ☑ No
If Yes:
i. CEA name:
ii. Basis for designation:
iii. Designating agency and date:

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

If Yes:

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

ii. Name: _____

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

_____

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

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

If Yes:

i. Describe possible resource(s): _____

ii. Basis for identification: _____

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

If Yes:

i. Identify resource: Hudson River

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

iii. Distance between project and resource: 0.24 miles.

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

If Yes:

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

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

F. Additional Information

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

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

G. Verification

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

Applicant/Sponsor Name Jesse Mollin Date 11/21/2024

Signature Jesse S Mollin Title owner

PRINT FORM

EAF Mapper Summary Report

Tuesday, November 19, 2024 1:55 PM

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

B.i.i [Coastal or Waterfront Area]	Yes
B.i.ii [Local Waterfront Revitalization Area]	No
C.2.b. [Special Planning District]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h [DEC Spills or Remediation Site - Potential Contamination History]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h.i [DEC Spills or Remediation Site - Listed]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h.i [DEC Spills or Remediation Site - Environmental Site Remediation Database]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h.iii [Within 2,000' of DEC Remediation Site]	Yes
E.1.h.iii [Within 2,000' of DEC Remediation Site - DEC ID]	546031
E.2.g [Unique Geologic Features]	No
E.2.h.i [Surface Water Features]	No
E.2.h.ii [Surface Water Features]	No
E.2.h.iii [Surface Water Features]	No
E.2.h.v [Impaired Water Bodies]	No
E.2.i. [Floodway]	No
E.2.j. [100 Year Floodplain]	No
E.2.k. [500 Year Floodplain]	No
E.2.l. [Aquifers]	No
E.2.n. [Natural Communities]	Yes
E.2.n.i [Natural Communities - Name]	Freshwater Subtidal Aquatic Bed

E.2.n.i [Natural Communities - Acres]	2013.77
E.2.o. [Endangered or Threatened Species]	Yes
E.2.o. [Endangered or Threatened Species - Name]	Bald Eagle, Atlantic Sturgeon, Shortnose Sturgeon, Indiana Bat
E.2.p. [Rare Plants or Animals]	No
E.3.a. [Agricultural District]	No
E.3.c. [National Natural Landmark]	No
E.3.d [Critical Environmental Area]	No
E.3.e. [National or State Register of Historic Places or State Eligible Sites]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.3.f. [Archeological Sites]	Yes
E.3.i. [Designated River Corridor]	No

FRONT ELEVATION

TOTAL 4680 SF

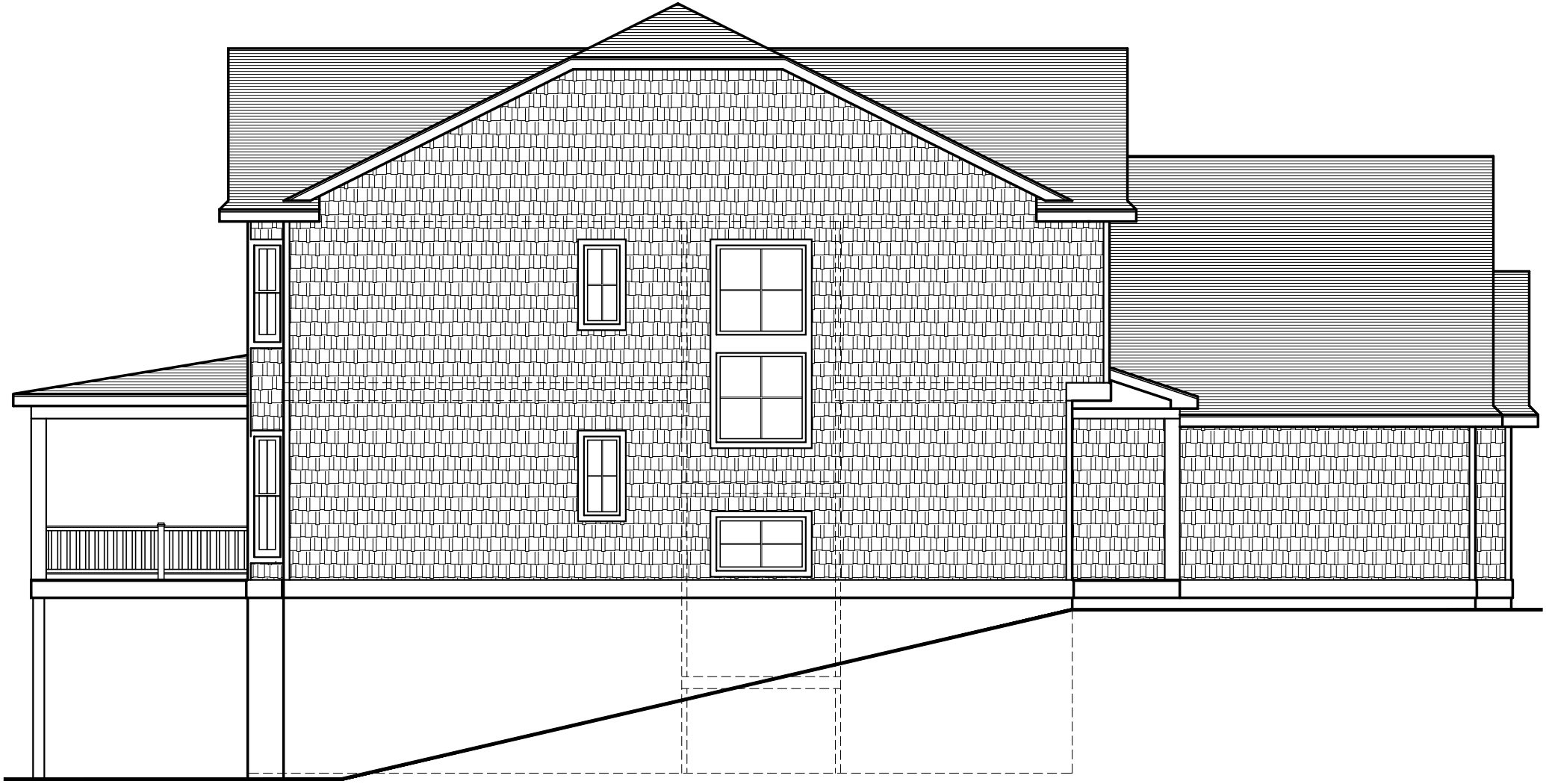
PROPOSED SINGLE FAMILY HOME
FOR
JESSE MALIK & JASJIT BHINDER
LOT 2 - ANCHORAGE ON THE HUDSON

THOMAS J. FIOLA - ARCHITECT
P.L.L.C.
(845) 928-9367 - tjfarchitect@yahoo.com

REAR ELEVATION

PROPOSED SINGLE FAMILY HOME
FOR
JESSE MALIK & JASJIT BHINDER
LOT 2 - ANCHORAGE ON THE HUDSON

THOMAS J. FIOLA - ARCHITECT
P.L.L.C.
(845) 928-9367 - tjfarchitect@yahoo.com



LEFT SIDE ELEVATION

PROPOSED SINGLE FAMILY HOME
FOR
JESSE MALIK & JASJIT BHINDER
LOT 2 - ANCHORAGE ON THE HUDSON

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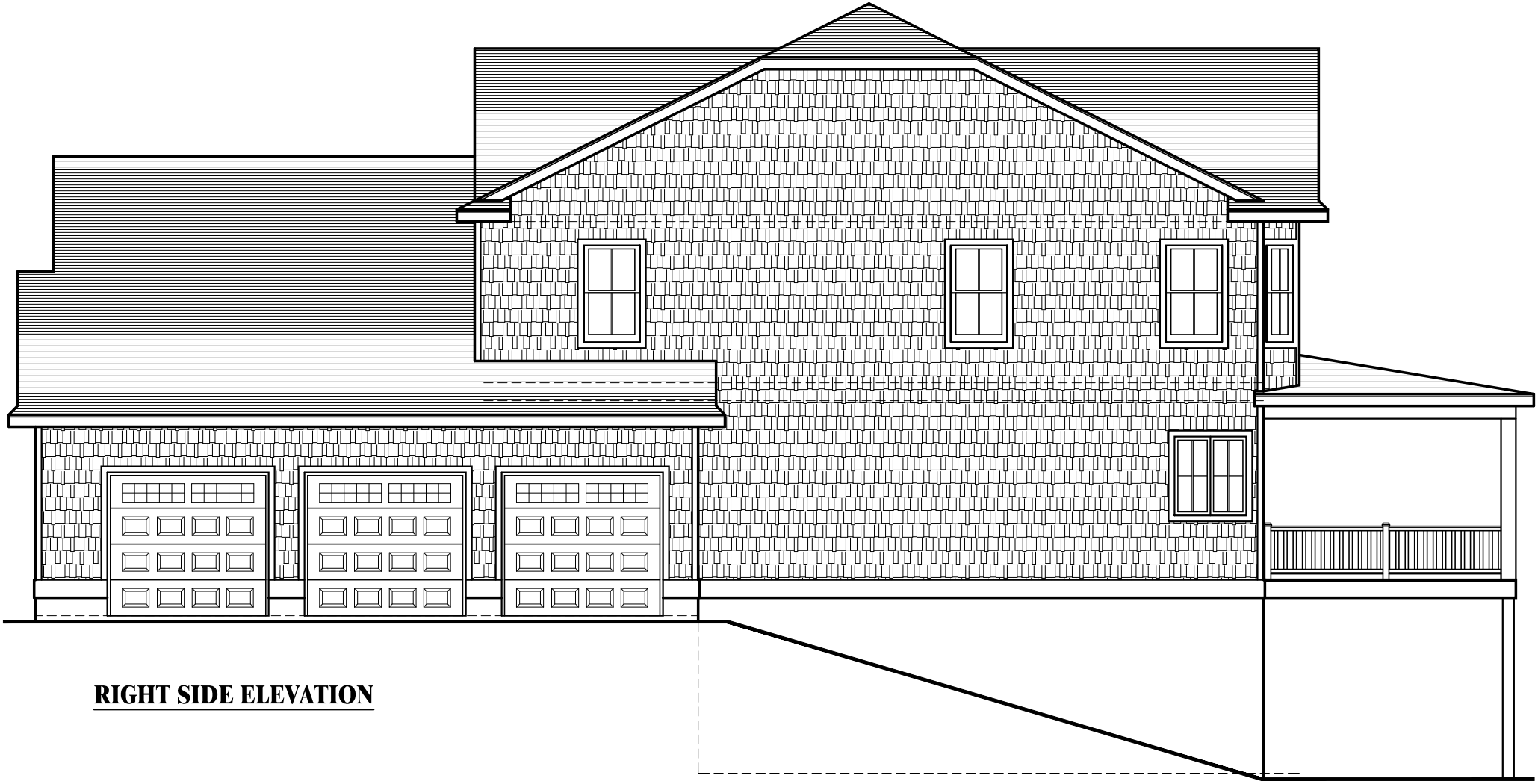

RIGHT SIDE ELEVATION

PROPOSED SINGLE FAMILY HOME
FOR
JESSE MALIK & JASJIT BHINDER
LOT 2 - ANCHORAGE ON THE HUDSON

THOMAS J. FIOLA - ARCHITECT
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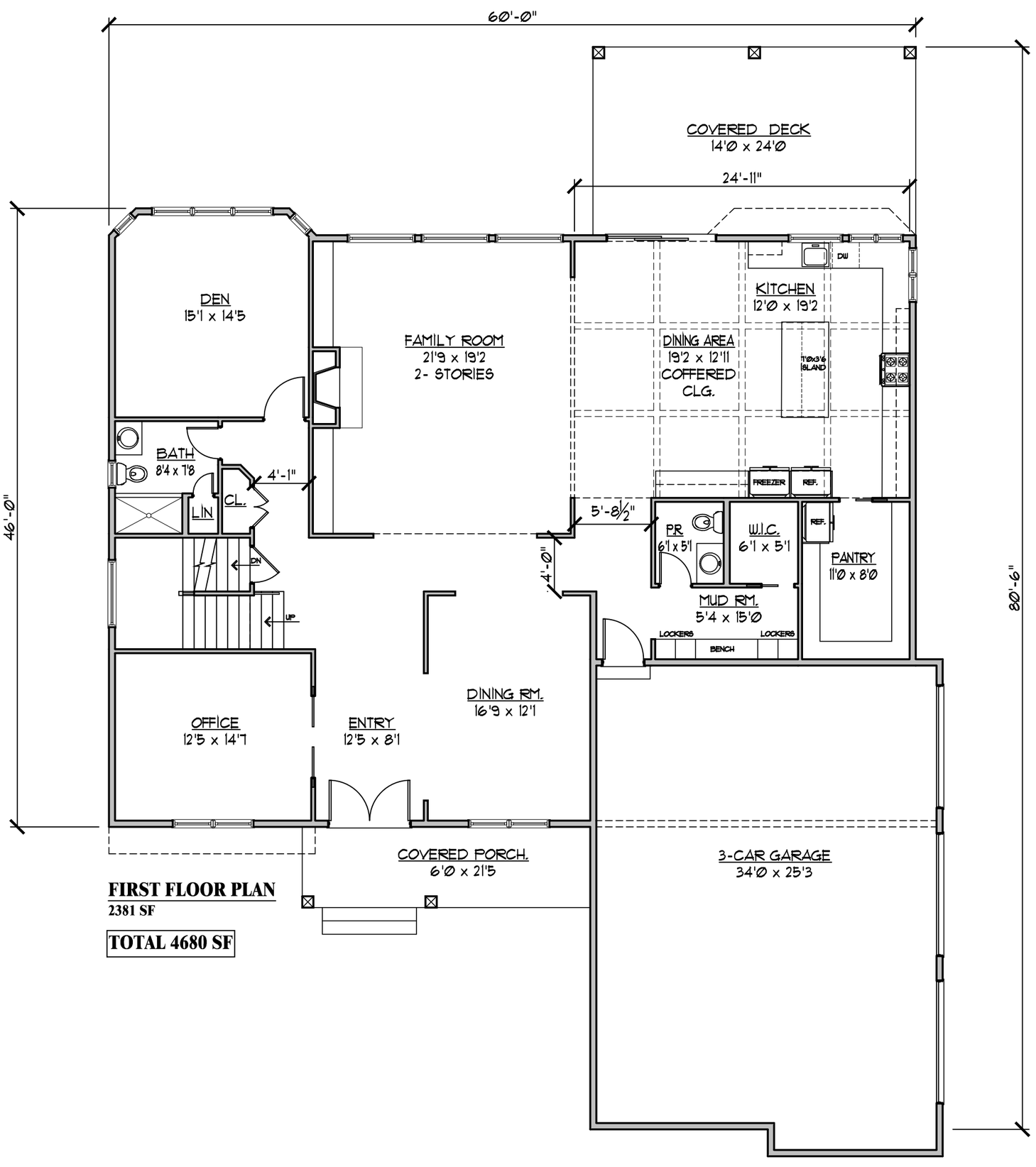

FIRST FLOOR PLAN
2381 SF

TOTAL 4680 SF

PROPOSED SINGLE FAMILY HOME
FOR
JESSE MALIK & JASJIT BHINDER
LOT 2 - ANCHORAGE ON THE HUDSON

THOMAS J. FIOLA - ARCHITECT
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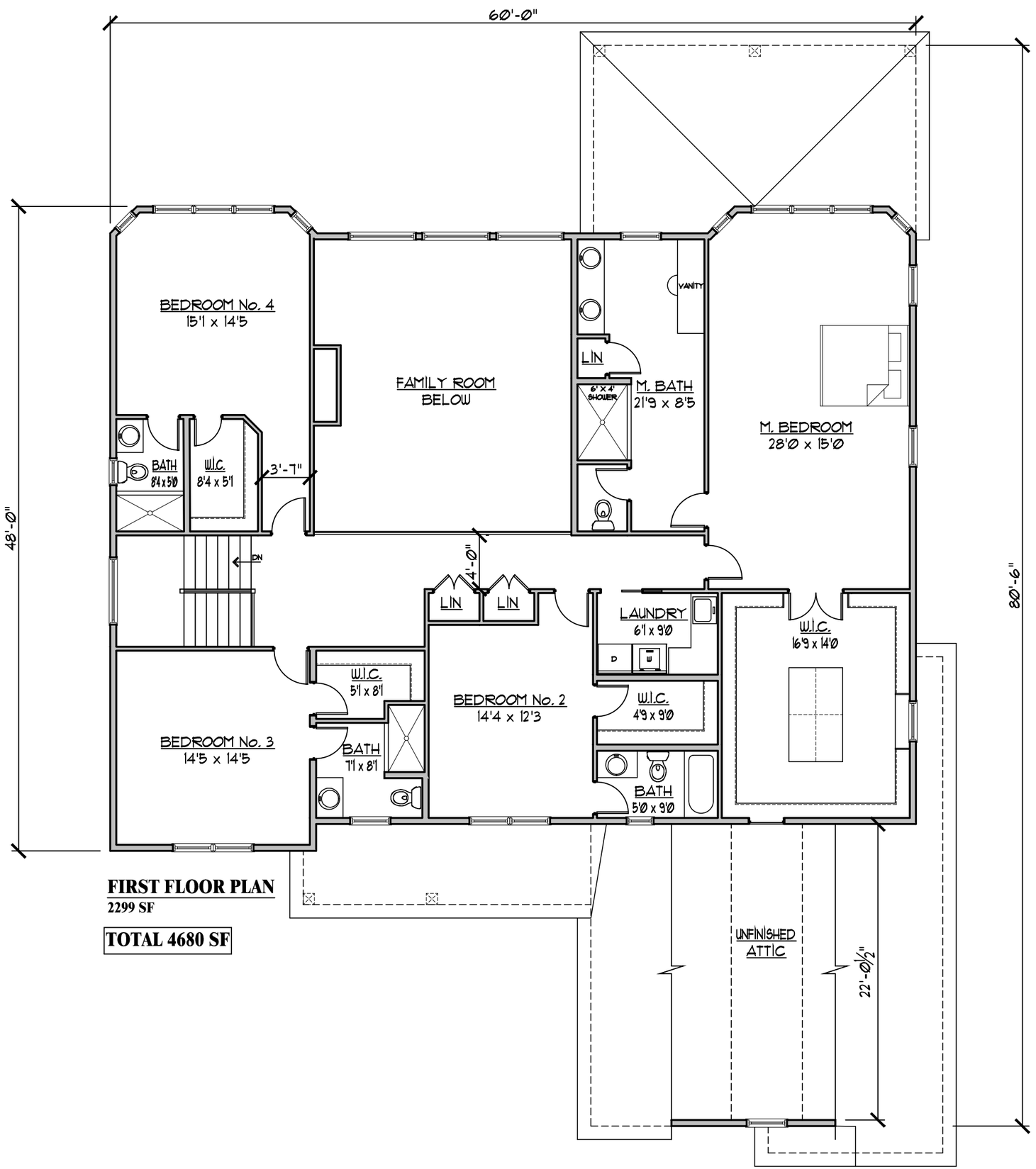

FIRST FLOOR PLAN
2299 SF

TOTAL 4680 SF

PROPOSED SINGLE FAMILY HOME
FOR
JESSE MALIK & JASJIT BHINDER
LOT 2 - ANCHORAGE ON THE HUDSON

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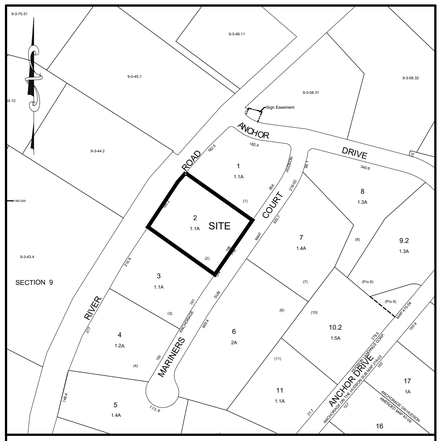


AREA MAP N.T.S.

PARCEL INFORMATION

PARCEL ID	SECTION 121, BLOCK 1, LOT #2	
ZONING DISTRICT:	R-1	
TOTAL AREA :	1.09 A.C.	
BULK REQUIREMENTS	MIN. REQUIREMENTS	MIN. PROVIDED
MAX. DENSITY	1.0 A.C.	1.09 A.C.
LOT DEPTH	150'	>150'
LOT WIDTH	150'	>150'
MIN. FRONT YARD	50'	72'
MIN. SIDE YARD	30'/80'	33'/88'
MIN. REAR YARD	40'	90'
FLOOR AREA	1,500 S.F.	3,300 S.F.
MAX. BUILDING HEIGHT	35'	<35'
LOT COVERAGE (BUILDINGS)	10%	5.9%
IMPERVIOUS COVERAGE	20%	8.9%

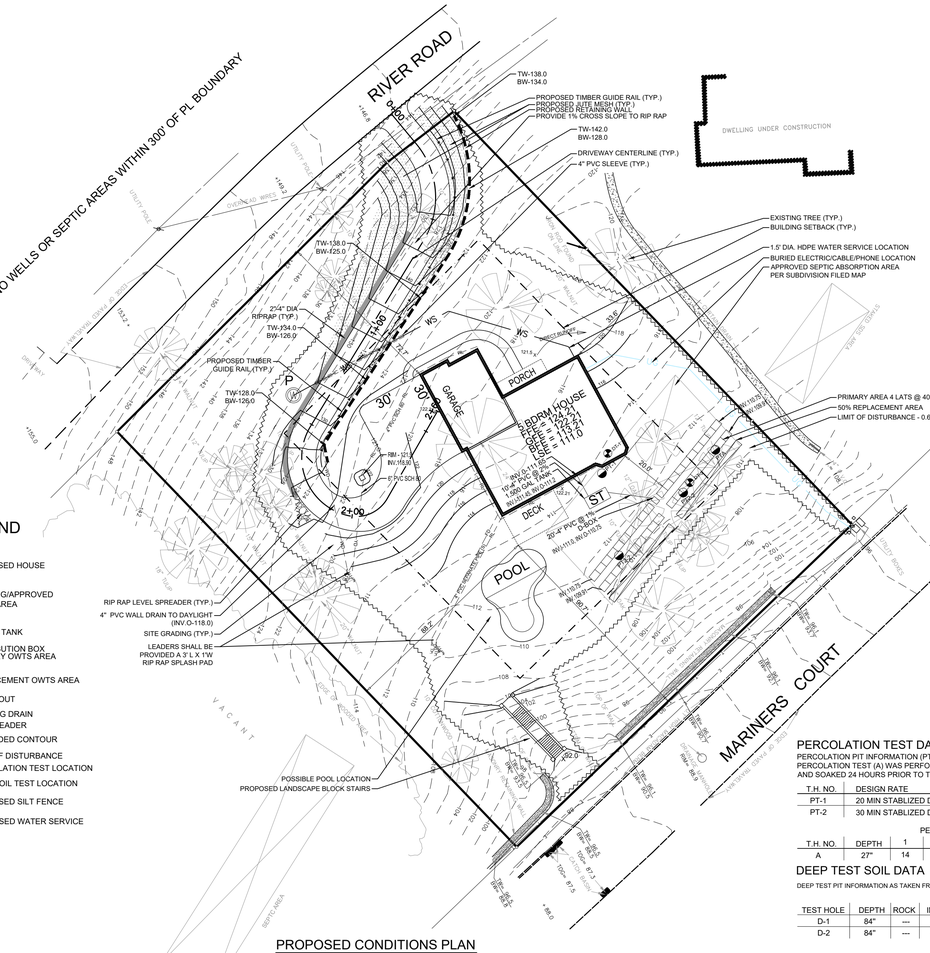
OWNER

MR. JESSE MALIK
56 CRONOMER HEIGHTS DRIVE
NEWBURGH, NY 12550

SITE SPECIFIC NOTES:

1. THE INTENT OF THIS PLAN IS TO SEEK AND OBTAIN HEALTH DEPARTMENT APPROVAL FOR WATER SUPPLY, WATER SERVICE LINE, AND A SUBSURFACE SEWAGE DISPOSAL SYSTEM THAT WILL SERVE A MAXIMUM OF 5 BEDROOMS. THE APPLICANT WISHES TO GAIN ACCESS FROM RIVER ROAD WHICH LESSENS SITE DISTURBANCE AND GRADING. A PRE-CONSTRUCTION MEETING MUST BE SCHEDULED AT THE SITE WITH THE OWNER OR DEVELOPER AND A REPRESENTATIVE FROM THE ORANGE COUNTY DEPARTMENT OF HEALTH PRIOR TO INSTALLATION TO DISCUSS APPROVED ARRANGEMENTS FOR THE WATER SUPPLY AND SEWAGE DISPOSAL PER THE APPROVED PLAN.
2. IF A SEPTIC TANK IS DELIVERED TO THE SITE IN SECTIONS, IT SHALL BE DEMONSTRATED BY THE CONTRACTOR TO THE O.C.H.D. FIELD INSPECTOR AND/OR CERTIFYING ENGINEER THAT THE TANK IS SEALED, WATERTIGHT AND ACCEPTABLE FOR USE. THIS SHALL REQUIRE, AT A MINIMUM, THE FILLING OF THE TANK WITH WATER TO OBSERVE IF IT IS SEALED AND WATERTIGHT.
3. THE HOUSE LOCATION SHALL MEET THE MINIMUM REQUIREMENTS AS SET FOR BY THE TOWN ZONING ORDINANCE. THE TOWN ZONING AND BUILDING DEPARTMENTS SHALL BE CONSULTED TO INSURE CONFORMITY WITH ALL APPLICABLE ZONING REQUIREMENTS PRIOR TO CONSTRUCTION.
4. BOUNDARY AND TOPO INFORMATION TAKEN FROM SURVEY DATED SEPTEMBER 25, 2024 PREPARED BY STEVEN P. DRABICK P.L.S., PC
5. THE FOOTING DRAIN AND ROOF LEADER SHALL BE PROVIDED A 3' L X 1'W RIP RAP SPLASH PAD.
6. MATERIAL ANLYSIS VIA AUTOCAD EXISTING GRADE VS. PROPOSED GRADE.
   - TOTAL CUT AMOUNT - 34 CYDS, FILL AMOUNT - 1439 CYDS, TOTAL NET - 1405 CYDS IMPORTED.
7. ALL PROPOSED WELLS AND SERVICE LINES ON THIS PLAN ARE ACCESSIBLE FOR INSTALLATION AND PLACEMENT.
8. THE SITE DOES NOT CONTAIN ANY FEMA FLOODPLAIN OR WETLANDS. ALL WELLS WITHIN 300 FEET OF THIS PROJECT HAVE BEEN LOCATED AND ARE SHOWN ON THE PLANS.
9. THE ELJEN SYSTEM CONSTRUCTION MUST BE CERTIFIED BY A NYS PROFESSIONAL ENGINEER.
10. A SEPTIC TANK EFFLUENT FILTER, IF PROVIDED, MUST BE ACCESSIBLE VIA A WATERTIGHT, LOCKABLE EXTENSION TO GRADE. BE NSF STAND 46 COMPLIANT, AND BE THE RESPONSIBILITY OF THE APPLICANT/SITE OWNER TO MAINTAIN IN CONFORMANCE WITH MANUFACTURER REQUIREMENTS.
11. DUE TO THE PROXIMITY OF THE PROJECT SITE TO A KNOWN INDIANA BAT HIBERNACULUM, ANY TREE CUTTING OR REMOVAL SHALL OCCUR WITHIN THE APPROPRIATE TIME OF YEAR WORK WINDOW, OCTOBER 1ST THROUGH MARCH 31ST, TO AVOID DIRECT IMPACTS TO INDIVIDUALS AND THE NEED FOR AN ARTICLE 11 TAKE PERMIT.
12. THE OWNER OF THE LOT SHALL BE PROVIDED WITH A COPY OF THE PLANS AND AN ACCURATE AS-BUILT DRAWING OF ANY EXISTING SANITARY FACILITIES. THE OWNER/APPLICANT SHALL ALSO BE ADVISED OF ANY ROUTINE OR SPECIAL MAINTENANCE PROCEDURES THAT MAY BE NECESSARY.
13. INDIVIDUAL WELLS AND SEWAGE DISPOSAL SYSTEMS SHALL NO LONGER BE CONSTRUCTED OR USED WHEN PUBLIC FACILITIES BECOME AVAILABLE. CONNECTION TO THE PUBLIC SEWER SYSTEM IS REQUIRED WITHIN 1 YEAR OF AVAILABILITY.
14. ORANGE COUNTY DEPARTMENT OF HEALTH PLAN APPROVAL IS LIMITED TO 5 YEARS. TIME EXTENSIONS FOR PLAN APPROVAL MAY BE GRANTED BY THE ORANGE COUNTY DEPARTMENT OF HEALTH BASED UPON REGULATIONS IN EFFECT AT THAT TIME. A NEW PLAN SUBMISSION MAY BE REQUIRED TO OBTAIN A TIME EXTENSION.
15. A NEW YORK STATE LICENSED PROFESSIONAL ENGINEER (OR OTHER DESIGN PROFESSIONAL AS ALLOWED BY THE NYS EDUCATION DEPARTMENT) SHALL INSPECT THE SANITARY FACILITIES AT THE TIME OF CONSTRUCTION. THE ENGINEER SHALL CERTIFY TO THE ORANGE COUNTY DEPARTMENT OF HEALTH AND THE LOCAL CODE ENFORCEMENT OFFICER THAT THE FACILITIES HAVE BEEN INSTALLED IN ACCORDANCE WITH THE APPROVED PLANS AND THAT ANY SEPTIC TANK JOINTS HAVE BEEN SEALED AND TESTED FOR WATER TIGHTNESS.
16. THE PROPERTY DOES NOT FALL WITHIN A PUBLIC WATERSHED, AND THERE WILL BE NO CONSTRUCTION ON WATERSHED LANDS.
17. THE DESIGN AND LOCATION OF SANITARY FACILITIES (WATER AND SEWER SYSTEMS) SHALL NOT BE CHANGED WITHOUT REVIEW AND APPROVAL OF THE ORANGE COUNTY DEPARTMENT OF HEALTH.
18. TRENCHES SHALL NOT BE INSTALLED IN WET SOIL. THE SIDES AND BOTTOM OF TRENCHES MUST BE RAKED.
19. THERE SHALL BE NO REGRADING, EXCEPT AS SHOWN ON THE APPROVED PLANS, IN THE AREA OF THE ABSORPTION FIELDS.
20. HEAVY EQUIPMENT SHALL BE KEPT OFF THE AREA OF THE ABSORPTION FIELDS EXCEPT DURING THE ACTUAL CONSTRUCTION. THERE SHALL BE NO UNNECESSARY MOVEMENT OF CONSTRUCTION EQUIPMENT IN THE ABSORPTION FIELD AREA BEFORE, DURING, OR AFTER CONSTRUCTION. EXTREME CARE MUST BE TAKEN DURING THE ACTUAL CONSTRUCTION SO AS TO AVOID ANY UNDUE COMPACTION THAT COULD RESULT IN A CHANGE OF THE ABSORPTION CAPACITY OF THE SOIL ON WHICH THE DESIGN WAS BASED.
21. NO SWIMMING POOLS, DRIVEWAYS, OR STRUCTURES THAT MAY COMPACT THE SOIL SHALL BE LOCATED OVER ANY PORTION OF THE ABSORPTION FIELD.
22. THIS SYSTEM WAS NOT DESIGNED TO ACCOMMODATE GARBAGE GRINDERS OR JACUZZI TYPE SPA TUBS OVER 100 GALLONS, AS SUCH. THESE ITEMS SHALL NOT BE INSTALLED UNLESS THE SYSTEM IS REDESIGNED TO ACCOUNT FOR THEM AND REAPPROVED BY THE ORANGE COUNTY HEALTH DEPARTMENT.
23. SURVEY STAKE OUT OF THE STRUCTURE IS REQUIRED PRIOR TO POURING OF THE FOUNDATION.
24. A BUILDING PERMIT IS REQUIRED FOR CONSTRUCTION OF ANY RETAINING WALL OVER 4 FEET IN HEIGHT. THE APPLICANT SHALL PROVIDE THE BUILDING DEPARTMENT A WALL DESIGN WITH ASSOCIATED CALCULATIONS DESIGNED BY A NYSPE.
25. CONSTRUCTION PHASING:
    - OBTAIN APP PERMITS FROM ALL INVOLVED AGENCIES.
    - SURVEYOR TO STAKE OUT THE PROPERTY LINES, CL OF DRIVEWAY, HOUSE FOUNDATION AND SEPTIC ABSORPTION AREA.
    - INSTALL STABILIZED CONSTRUCTION ENTRANCE.
    - CUT AND REMOVE TREES.
    - INSTALL SILT FENCE AND ORANGE CONSTRUCTION FENCE.
    - STUMP REMOVAL.
    - INSTALL SEPTIC SYSTEM.
    - GRADE SITE, INSTALL SEPTIC SLEEVE AND RETAINING WALLS.
    - CONSTRUCT FOUNDATION, DWELLING, AND DRIVEWAY.
    - FINE GRADE, SEED, AND MULCH.

WELL PER FM#216-02



PROPOSED CONDITIONS PLAN
SCALE: 1" = 30'

GENERAL LEGEND

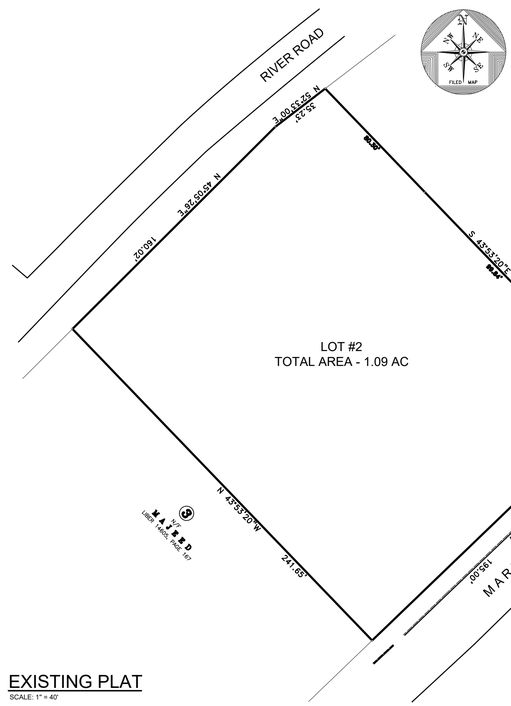
- PROPOSED HOUSE F.F.- 835.5 — PROPOSED HOUSE
- EXISTING/APPROVED OWTS AREA
- ST — SEPTIC TANK
- DISTRIBUTION BOX / PRIMARY OWTS AREA
- REPLACEMENT OWTS AREA
- CLEAN OUT
- FD — FOOTING DRAIN
- RL — ROOF LEADER
- 325 — REGRADED CONTOUR
- LIMIT OF DISTURBANCE
- PT# / TP# — PERCOLATION TEST LOCATION / DEEP SOIL TEST LOCATION
- PROPOSED SILT FENCE
- PROPOSED WATER SERVICE

WELL PER FM#216-02

UDIG·NY
SAFE DIGGING STARTS HERE
- Call Before You Dig
- Wait The Required Time
- Confirm Utility Response
- Respect The Marks
- Dig With Care

Dial: 811
www.udigny.org

ORANGE COUNTY HD APPROVAL BOX



EXISTING PLAT
SCALE: 1" = 40'

SEPTIC AREA PER FM#216-02

IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW FOR ANY PERSONS TO ALTER THESE PLANS, SPECIFICATIONS, OR REPORTS IN ANY WAY, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR.

PERCOLATION TEST DATA

SYMBOL ~ PT

PERCOLATION PIT INFORMATION (PT-1, PT-2) AS TAKEN FROM FILED MAP # 216-02.
PERCOLATION TEST (A) WAS PERFORMED ON THE DATE OF 8/16/2024. PERCOLATION HOLE A WAS PRE-DUG AND SOAKED 24 HOURS PRIOR TO TESTING.

T.H. NO.	DESIGN RATE
PT-1	20 MIN STABLIZED DESIGN RATE PER FM#216-02
PT-2	30 MIN STABLIZED DESIGN RATE PER FM#216-02

PERCOLATION TEST RUN(S)

T.H. NO.	DEPTH	1	2	3	4	5	DESIGN RATE IMPLEMENTED
A	27"	14	20	20	-	-	30 MIN. DESIGN RATE

DEEP TEST SOIL DATA

SYMBOL ~ TP

DEEP TEST PIT INFORMATION AS TAKEN FROM FILED MAP # 216-02.

TEST HOLE	DEPTH	ROCK	IMP.	WATER	RESULTS
D-1	84"	---	---	---	TOPSOIL-0"-36", COMPACT SILT LOAM TO 84"
D-2	84"	---	---	---	TOPSOIL-0"-12", COMPACT SILT LOAM TO 84"

PROPOSED TILE FIELD SCHEDULE

WELL PER FM#216-02

REQUIED LINEAL FT. OF ABSORPTION AREA - ELJEN SYSTEM 5 BDRM-5500 GPD/30 MIN PERC DESIGN		SAND & GRAVEL FILL (MINIMUM)	TOPSOIL COVER	TRENCH DEPTH (MAXIMUM)	TRENCH WIDTH	PUMP CHAMBER	D-BOX	ONSITE WASTEWATER TREATMENT SYSTEM	SEPTIC TANK SIZE (GAL.) 5 BDRM	CONFIGURATION FIELD 5 BDRM-550 GPD/30 MIN PERC DESIGN PRIMARY & REPLACEMENT AREA
PRIMARY - 156 L.F.	50% REPLACEMENT - 80 L.F.	0'-0"	6"	24"	24"	NO	YES	ELJEN	1,500	PRIMARY = 4 LATS @ 40' EACH = 160 L.F. REPLACEMENT 2 LATS @ 40' EACH = 80 L.F.

TOWN OF NEWBURGH PB APPROVAL BOX

OWNER CONSENT

THE UNDERSIGNED OWNER OF THIS PROPERTY HEREON STATES THAT HE IS FAMILIAR WITH THIS MAP, ITS CONTENTS AND ITS LEGENDS AND HEREBY CONSENTS TO ALL SAID TERMS AND CONDITIONS AS STATED HEREON

OWNER _____ DATE _____

Brian J. Stokosa, PE

STATE OF NEW YORK
BRIAN J. STOKOSA
083970
LICENSED PROFESSIONAL ENGINEER

Revisions

Project No. 2024.000 License No. 083970

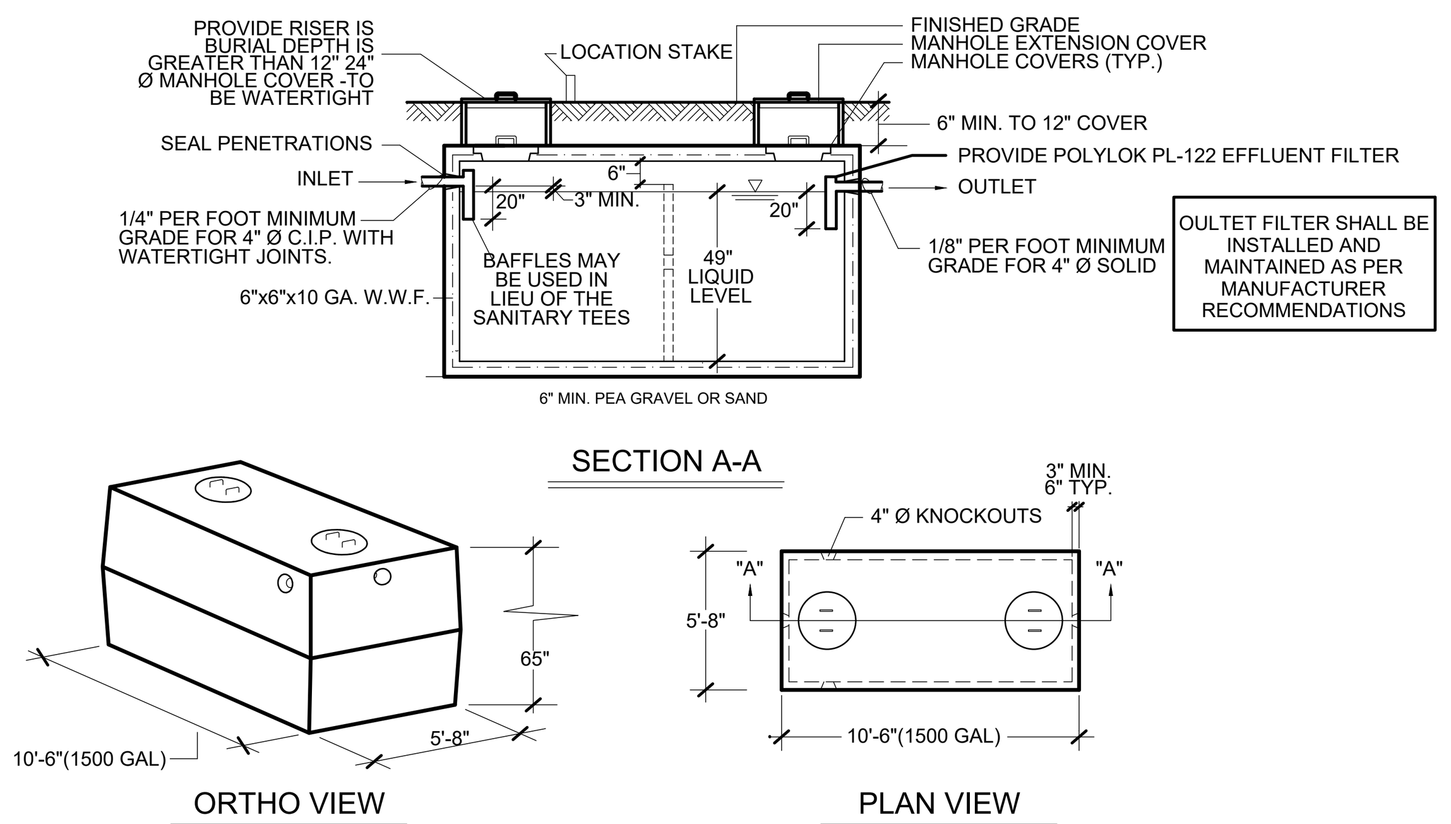
DAY|STOKOSA ENGINEERING P.C.

3 Van Wyck Lane
Wappingers Falls, New York 12590
(845)-223-3202

PROJECT
ANCHORAGE-ON-HUDSON - LOT #2
Town of Newburgh Orange County, New York

DRAWING
SEPTIC MODIFICATION PLAN

SCALE	DRAWN BY	DRAWING No.
AS NOTED	BJS	1
DATE	CHECKED BY	1 of 3
10-17-24	BJS	

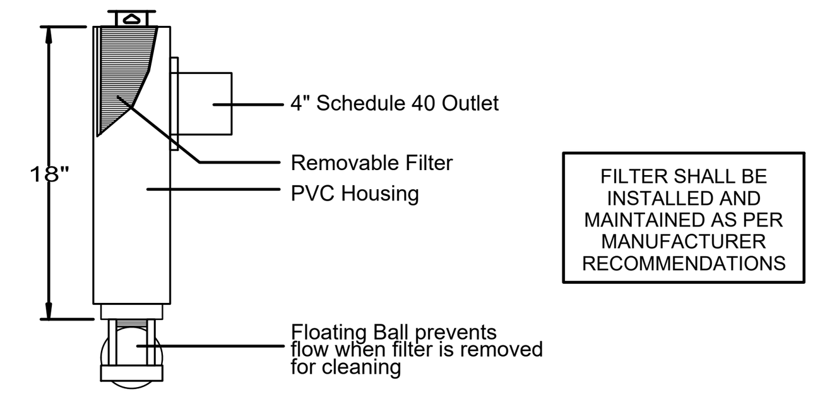


CONSTRUCTION NOTES:

1) THE CONTRACTOR SHALL SEAL PENETRATIONS IN THE SEPTIC TANK SO THAT THE SEPTIC TANK IS WATERTIGHT.
2) THE SEPTIC TANK SHALL BE CONSTRUCTED FROM CONCRETE WHICH SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 5000 PSI AT A STANDARD 28 DAY COMPRESSIVE TEST.
3) 6"x6"x10 GA. WELDED WIRE FABRIC SHALL BE USED AS REINFORCEMENT FOR THE SEPTIC TANK.
4) TWO-PIECE SEPTIC TANKS SHALL BE SEALED WITH A BUTYL GASKET OR AS PER THE MANUFACTURER'S RECOMMENDATIONS.
5) THE SEPTIC TANK SHALL BE TESTED FOR WATER TIGHTNESS.
6)THE ELJEN SYSTEM CONSTRUCTION MUST BE CERTIFIED BY A NYS PROFESSIONAL ENGINEER.

TYPICAL SEPTIC TANK

N.T.S.

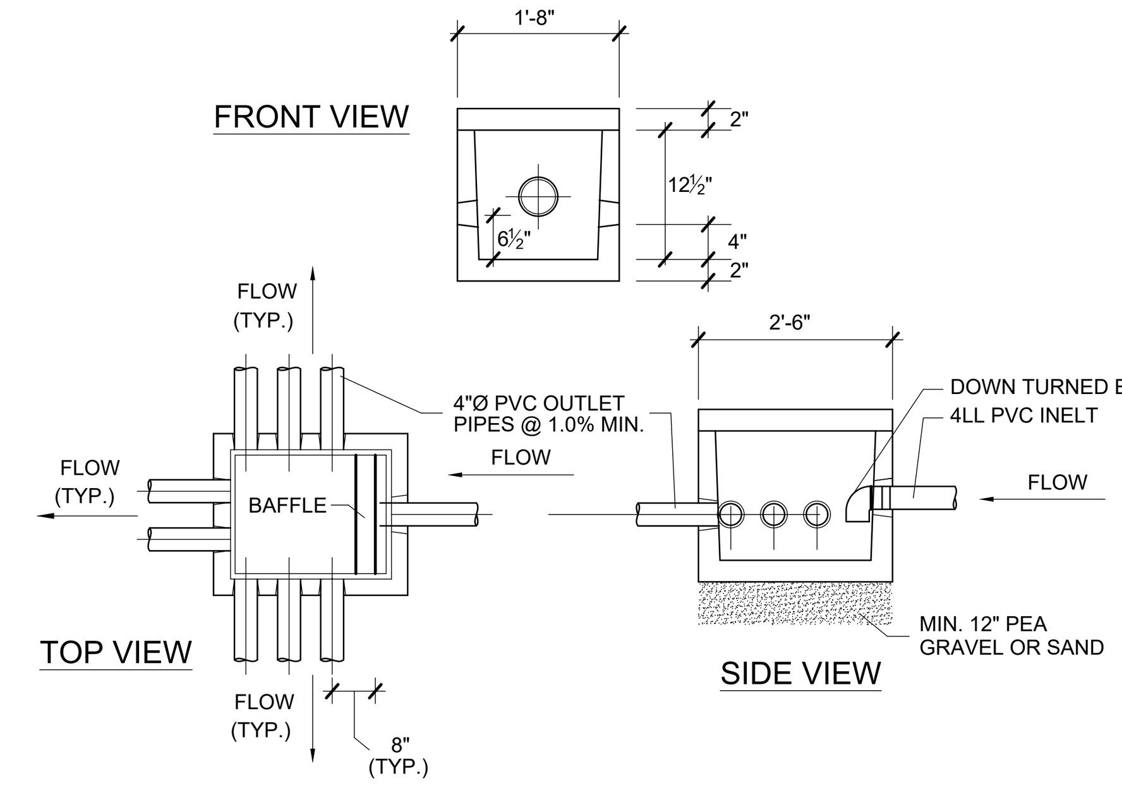


A SEPTIC TANK EFFLUENT FILTER, IF PROVIDED, MUST BE ACCESSIBLE VIA A WATERTIGHT, LOCKABLE EXTENSION TO GRADE, BE NSF STAND 46 COMPLIANT, AND BE THE RESPONSIBILITY OF THE APPLICANT/SITE OWNER TO MAINTAIN IN CONFORMANCE WITH MANUFACTURER REQUIREMENTS.

SPECIFICATIONS	SEPTIC TANK OUTLET FILTER POLYLOK PL-122
Construction: PVC Plastic Capacities: Polylok PL-122 = 1500 gpd / unit	Woodard's Concrete Products, Inc. 629 Lybolt Road, Bullville, NY 10915 (845) 361-3471 / Fax 361-1050

SEPTIC TANK OUTLET EFFLUENT FILTER

N.T.S.

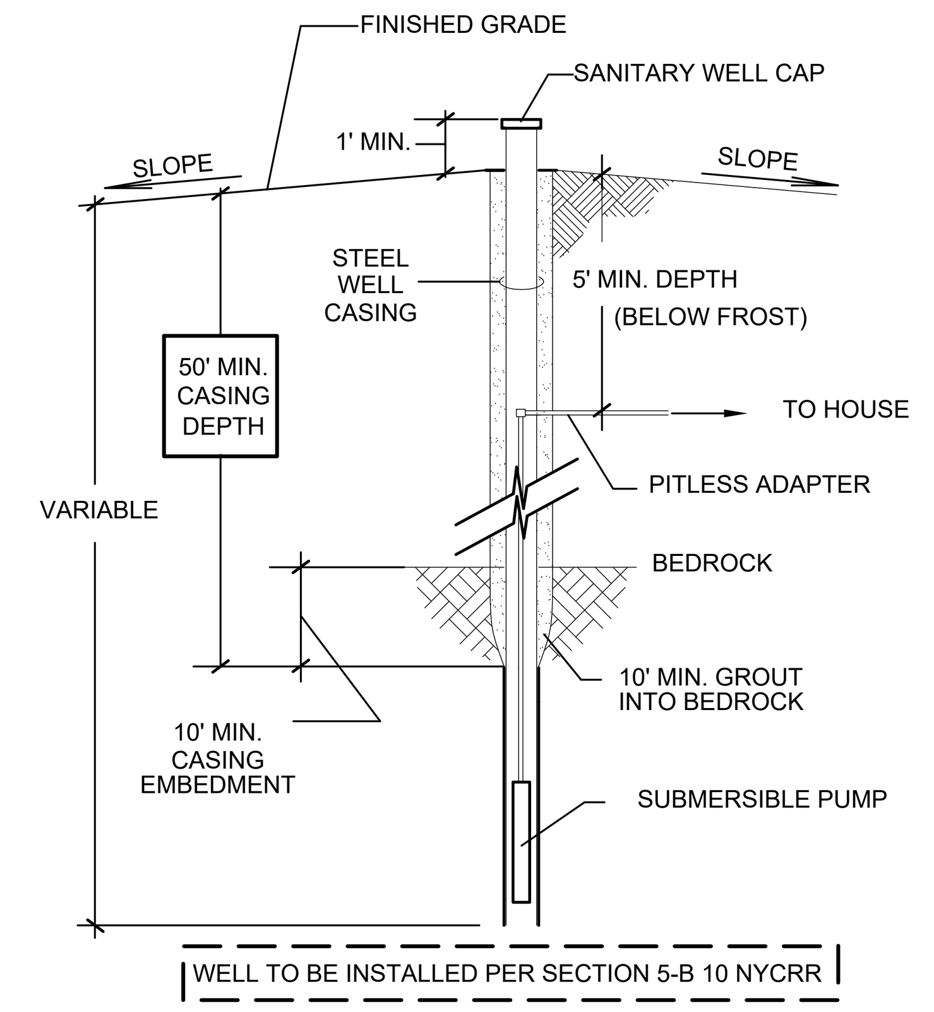


NOTES:

1) A MINIMUM OF 4' OF 4"Ø SOLID PIPE SHALL BE PROVIDED PRIOR TO THE START OF THE TRENCHES.
2) ALL OUTLETS SHALL BE AT THE SAME ELEVATION TO INSURE EVEN FLOW DISTRIBUTION.
3) ALL UNUSED OUTLETS MUST BE PLUGGED.
4) A PERMANENTLY FIXED BRICK BAFFLE SHALL BE PLACED AT THE INLET OPENING OF THE D-BOX.
5) A BEDDING OF MINIMUM 12" DEPTH OF PEA GRAVEL OR SAND SHALL BE PROVIDED UNDER THE D-BOX.
6) THE INVERT ON THE INLET PIPE SHALL BE A MINIMUM OF 2" HIGHER THAN THE INVERT OF ANY OF THE OUTLETS.
7) A 12" (MAX.) COVER SHALL BE PROVIDED.

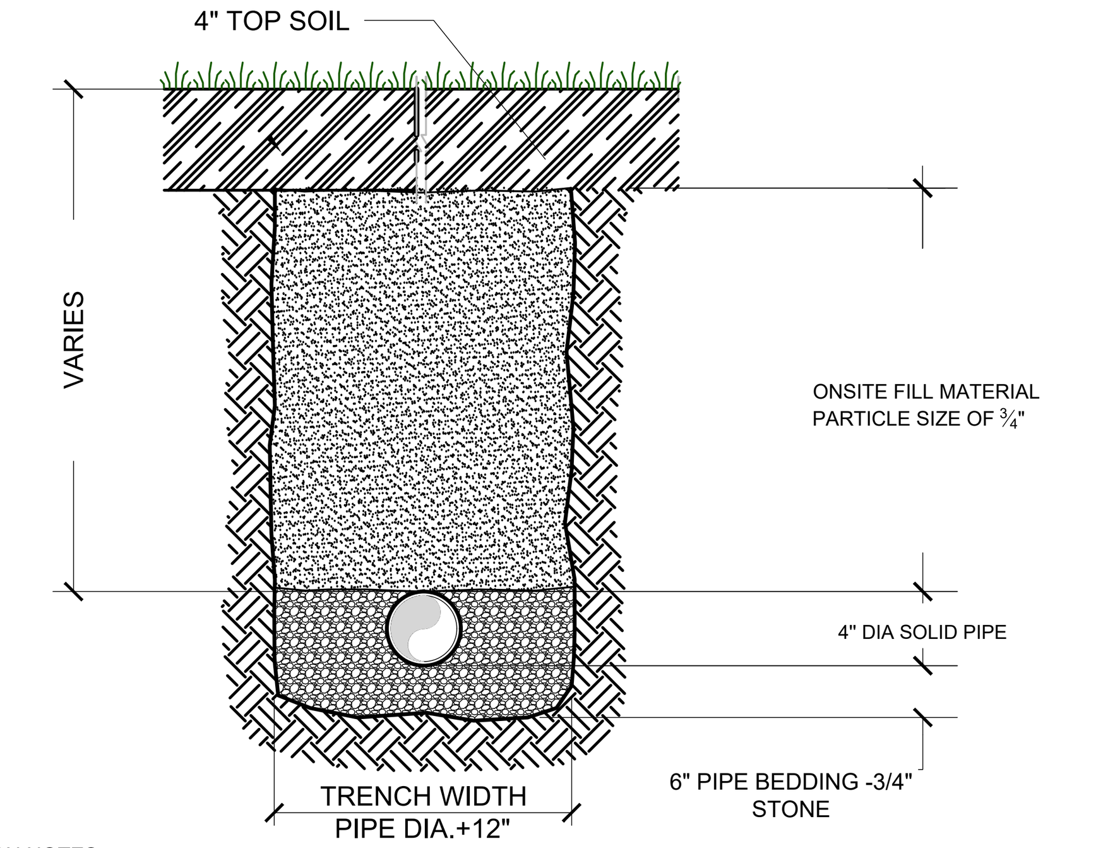
DISTRIBUTION BOX DETAIL

N.T.S.



WELL DETAIL

N.T.S.

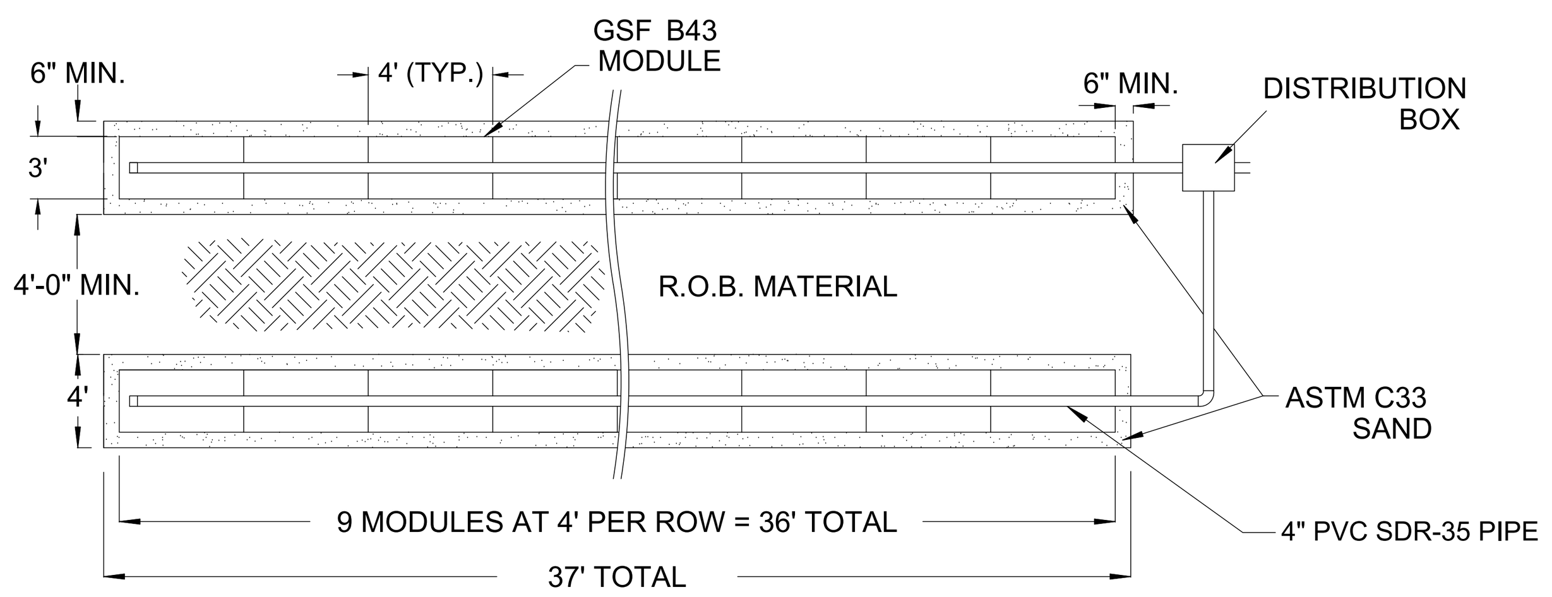


CONSTRUCTION NOTES:

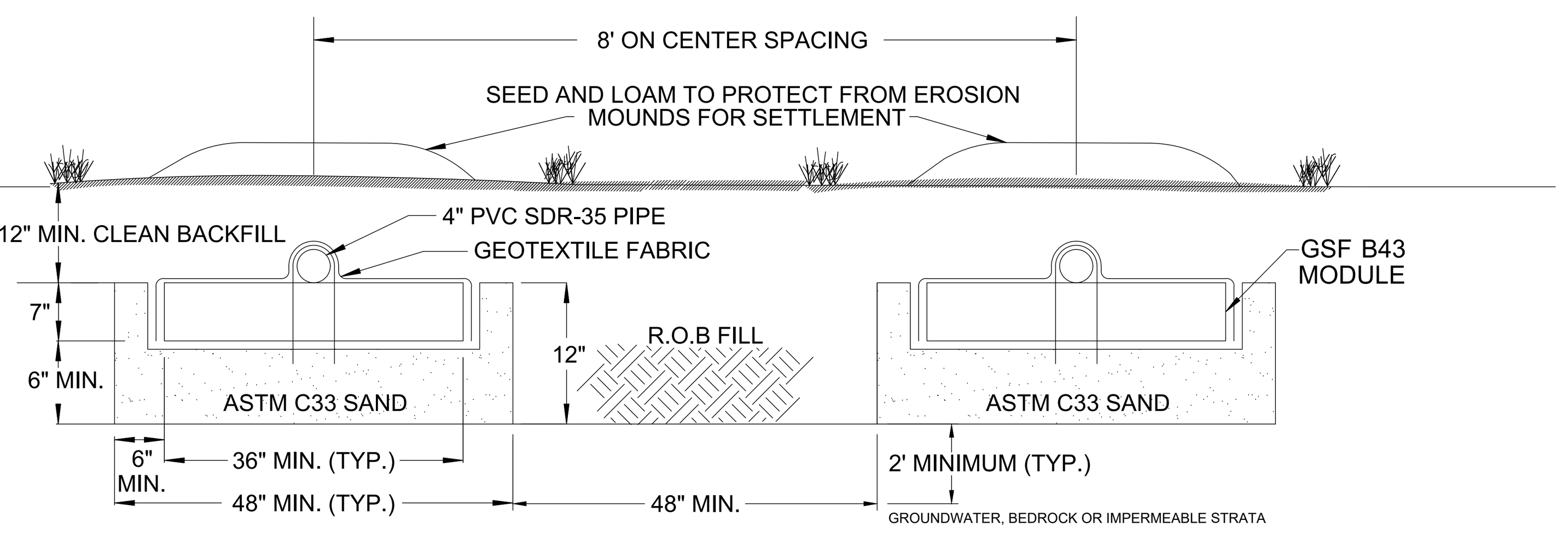
1. FILL OR BACKFILL MATERIAL SHALL BE DEPOSITED IN 12" LIFTS. EACH LIFT SHALL BE COMPACTED TO 95% STANDARD PROCTOR PRIOR TO THE PLACEMENT OF THE NEXT LIFT.
2. BACKFILLING AROUND PIPES SHALL BE DONE UNIFORMLY ON EACH SIDE OF THE PIPE. BACKFILL MATERIAL SHALL BE 3/4" CRUSHED STONE.
3. ALL SITE SANITARY SEWER UTILITIES ARE TO BE INSTALLED BY A QUALIFIED CONTRACTOR & INSPECTED BY THE DESIGN ENGINEER PRIOR TO BACKFILLING.
4. THOROUGHLY CLEAN ALL SANITARY SEWER MAINS PRIOR TO ACCEPTANCE TESTING.
5. BACKFILL MATERIAL SHALL BE FREE FROM ORGANICS, BOULDERS, FROZEN SOILS OR OTHER DELETERIOUS MATERIAL.

TYPICAL SEWER LINE DETAIL

N.T.S.



PLAN VIEW



SECTION VIEW

NOTES FOR ELJEN GSF SYSTEMS:

1. This design and construction requirement complies with Appendix 75-A and local health department regulations.
2. This design complies with and must be installed in accordance with the most current Eljen New York Design and Installation Manual.
3. This system is not designed for use with a garbage disposal.
4. This system is not designed for backwash from a water softener.
5. Organic material that can restrict flow must be removed for raised beds. The soil must be scarified to provide deep channels for the sand. A plowed interface on contour is recommended to prepare the soil for fill placement.
6. Scarify any smeared subsoil prior to fill placement.
7. Fill material shall meet or exceed State of New York Code requirements. All fill material shall be clean bank bank run sand, free of topsoil, humus, and "dredging" directly beneath the GSF system.
8. ASTM C33 Specified Sand with less than 10% passing a #100 sieve and less than 5% passing a #200 sieve shall be place below and around the GSF modules, with 6 inches minimum underneath and 6 inches minimum surrounding the GSF modules in trench configurations. In bed systems, use 6 inches minimum underneath the modules with 12 inches minimum between module rows and 12 inches minimum around the perimeter of the modules.
9. Eljen provided geotextile cover fabric shall provide proper tension and orientation of the fabric around the sides of the perforated pipe on top of the GSF modules. Fabric should be neither too loose, nor too tight. The correct tension of the cover fabric is set by:
- Spreading the cover fabric over the top of the module and down both sides of the module with the cover fabric tented over the top of the perforated distribution pipe.
- Place shovel full's of Specified Sand directly over the pipe area allowing the cover fabric to form a mostly vertical orientation along the sides of the pipe. Repeat this step moving down the pipe.
10. Backfill material shall be clean with no roots or stones larger than 2 inches in any dimension to a minimum depth of 8 inches over the GSF modules and final cover for vegetation of 4 inches to 6 inches of clean loam.
11. Any system which is more than 18 inches below finish grade as measured from the top of the module shall be vented.

GENERAL NOTES:

1. TRENCH BOTTOMS ARE TO BE SET LEVEL.
2. PIPE PERFORATIONS MUST FACE DOWNWARD.
3. TRENCHES TO BE LAID PARALLEL TO CONTOURS.
4. THE ELJEN SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER SPECIFICATIONS.
5. SEE ELJEN IN-DRAIN DESIGN AND INSTALLATION MANUAL FOR DETAILS REFER TO "ELJEN INSTALLATION INSTRUCTIONS"
6. RESULTS OF THE SIEVE ANALYSIS SHALL BE SUBMITTED AS PART OF THE ENGINEER'S CERTIFICATION UPON COMPLETION OF THE FACILITIES, THE FINISHED WORKS SHALL BE INSPECTED, TESTED AND CERTIFIED COMPLETE TO THE DC EHSD BY THE NY STATE REGISTERED DESIGN PROFESSIONAL SUPERVISING CONSTRUCTION.
7. NO PART OF THE FACILITIES SHALL BE PLACED INTO SERVICE UNTIL ACCEPTED BY THE DC EHSD

TABLE 1: SPECIFIED SAND SIEVE REQUIREMENTS

ASTM C33 Sand Specification		
Sieve Size	Sieve Square Opening Size	Specification Percent Passing (Wet Sieve)
0.375"	9.5 mm	100.0 -100.0
#4	4.75 mm	95.0 - 100.0
#8	2.36 mm	80.0 - 100.0
#16	1.18 mm	50.0 - 85.0
#30	600 µm	25.0 - 60.0
#50	300 µm	5.0 - 30.0
#100	150 µm	< 10.0
#200	75 µm	< 5.0

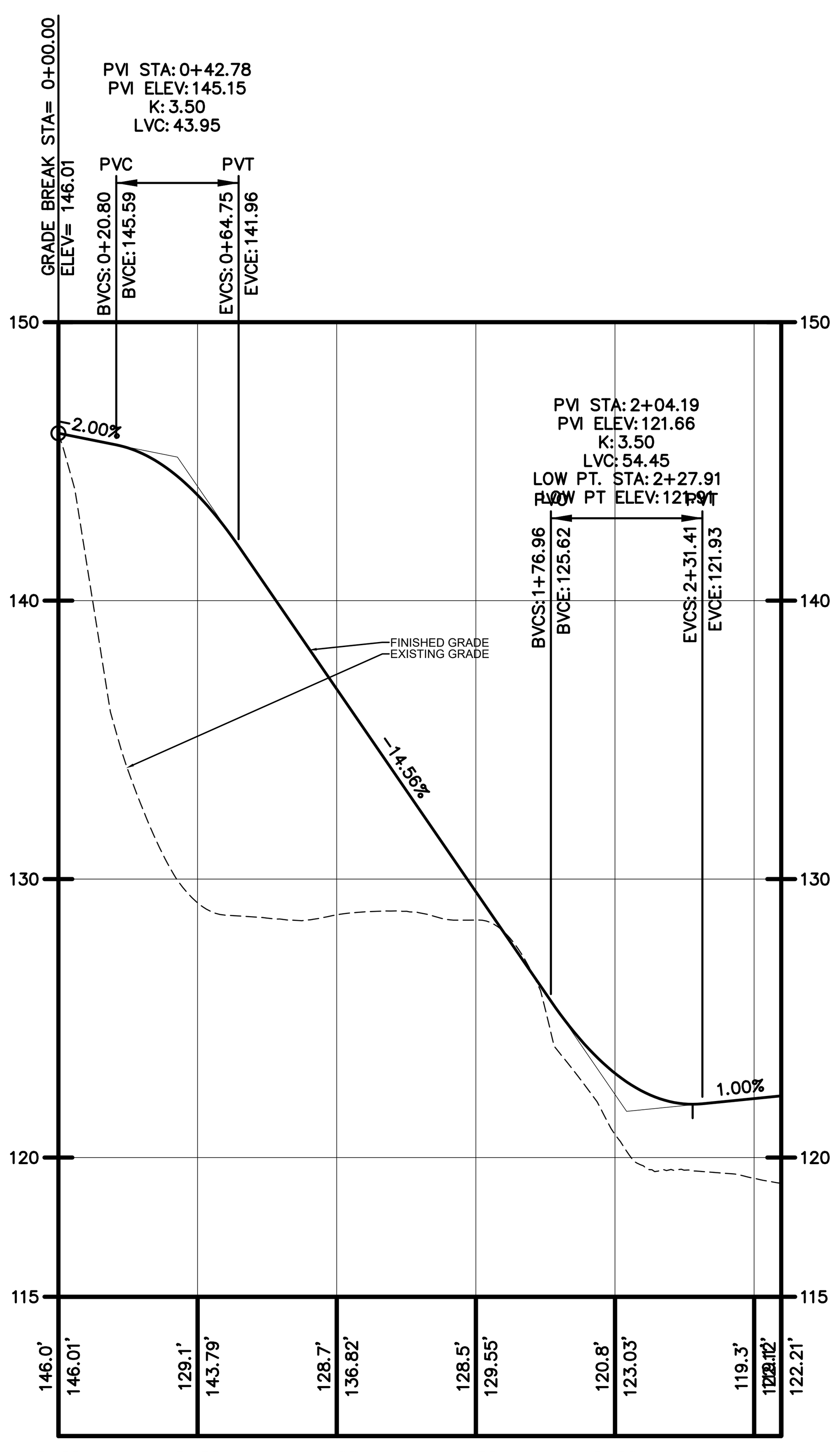
ASTM C33 SAND SPECIFICATIONS FOR ELJEN SYSTEM

SYSTEM INSTALLATION GUIDELINES - ELJEN GSF INSTALLATION MANUAL

1. REFERENCE APPENDIX 75-A AND LOCAL HEALTH DEPARTMENT REGULATIONS FOR DESIGN AND CONSTRUCTION REQUIREMENTS.
2. PLACE THE 7-INCH TALL GEOTEXTILE SAND FILTER MODULES ON TOP OF A 6" MINIMUM LEVEL SURFACE OF ASTM C33 SPECIFIED SAND WITH LESS THAN 10% PASSING A #100 SIEVE AND LESS THAN 5% PASSING A #200 SIEVE. YOU MUST USE THE SPECIFIED SAND AS LISTED ON PAGE 4 OF THIS MANUEL TO ENSURE PROPER SYSTEM OPERATION.
3. SPECIFIED SAND PLACED ALONG BOTH SIDES AND ACROSS THE TOP OF THE GSF MODULE ENSURES AERATION OF THE MODULES. ADDITIONAL SAND PLACED ABOVE THE MODULE IS RECOMMENDED TO MAINTAIN OXYGEN TRANSFER TO THE SYSTEM.
4. USE THE PROVIDED WIRE CLAMPS TO SECURE THE APPROVED PERFORATED 4-INCH DIAMETER DISTRIBUTION PIPE SDR 35 OR EQUIVALENT TO THE TOP OF EACH GSF MODULES.
5. COVER THE TOPS AND SIDES OF THE MODULES ALONG THE ENTIRE LENGTH OF EACH ROW WITH ELJEN GEOTEXTILE COVER FABRIC PRIOR TO BACKFILLING WITH SPECIFIED SAND.
6. WHERE THE PERCOLATION RATE EXCEEDS 30 MINUTES-PER-INCH OR THE SOIL TEXTURE IS FINER, THE SYSTEM SHOULD BE BUILT FROM ONE END TO THE OTHER TO AVOID ANY COMPACTION OF THE SOIL BY THE EXCAVATOR.
7. WHEN BACKFILLING THE INSTALLATION WITH NATIVE SOILS, STONES 2 INCHES OR LARGER MUST BE REMOVED.
8. FINISH BY GRADING THE AREA TO DIVERT STORM WATER RUNOFF AWAY FROM THE SYSTEM.
9. DO NOT DRIVE BACKHOE WHEELS OVER GSF MODULES WITH LESS THAN 12 INCHES OF COVER OVER THE DISTRIBUTION PIPE. DRIVING OR PAVING OVER THE GEOTEXTILE SAND FILTER AREA IS PROHIBITED. FOR SHALLOW INSTALLATIONS, LIGHT-WEIGHT TRUCK-MOUNTED MACHINES ARE BEST FOR SETTING THE FINAL GRADE. IT IS ALSO PERMISSIBLE TO BACK-BLADE THE SOIL TO SET FINAL MINIMUM COVER. PERIMETER LANDSCAPE TIMBERS ARE ALSO RECOMMENDED TO LOCATE THE SHALLOW BEDS, THEREBY KEEPING VEHICLES OFF THE SYSTEM.
10. SEEDING AND STABILIZING THE SOIL COVER IS REQUIRED TO PROTECT THE SYSTEM FROM SOIL EROSION.
11. WHERE THE ELEVATION OF THE SURFACE EXCEEDS THE NATURAL GRADE, A BLOCK OR LANDSCAPE TIMBER FRAME OR SLOPING SOIL TOE AT A 3:1 GRADE CAN BE USED TO HELP ELIMINATE SOIL EROSION AND SUPPORT MAINTENANCE OF THE STABILIZING GRASS COVER ADJACENT TO THE GSF SYSTEM.
12. FOR PUMPED SYSTEMS, PROVIDE A WELL ANCHORED DISTRIBUTION BOX WITH A VELOCITY REDUCTION TEE OR BAFFLE.
13. VENTING OF SYSTEMS IS REQUIRED WHEN THERE IS MORE THAN 18 INCHES OF COVER MATERIAL AS MEASURED FROM THE TOP OF THE MODULE TO FINISHED GRADE. LOCATE VENT AT THE DISTAL (FAR) END OF THE TRENCH OR BED.

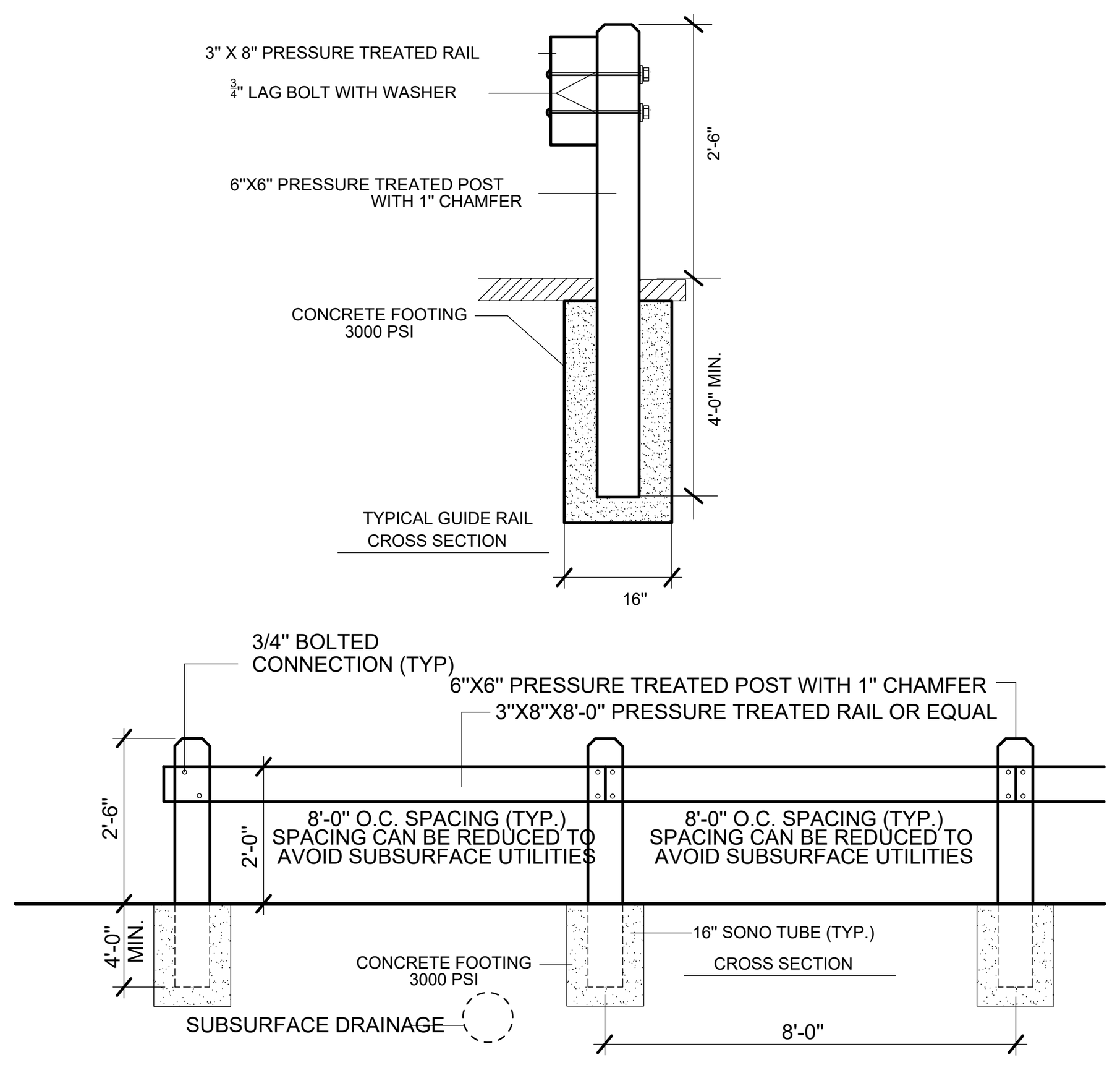
TYPICAL ELJEN DETAILS

N.T.S.



PROPOSED DRIVEWAY PROVILE

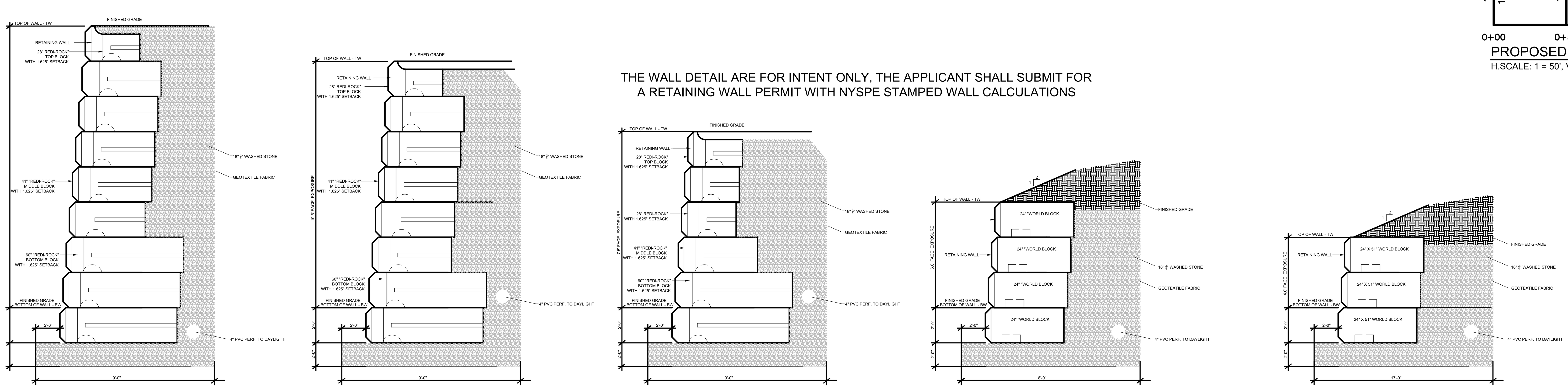
H.SCALE: 1 = 50', V.SCALE: 1 = 5'



TIMBER GUIDERAIL DETAIL

N.T.S.

THE WALL DETAIL ARE FOR INTENT ONLY, THE APPLICANT SHALL SUBMIT FOR A RETAINING WALL PERMIT WITH NYSPE STAMPED WALL CALCULATIONS



TYPICAL RETAINING WALL DETAILS

N.T.S.

TOWN OF NEWBURGH PB APPROVAL BOX

Brian J. Stokosa, PE
STATE OF NEW YORK · BRIAN J. STOKOSA · 083970 · LICENSED PROFESSIONAL ENGINEER
License No. 083970
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3 Van Wyck Lane
Wappingers Falls, New York 12590
(845)-223-3202

Revisions

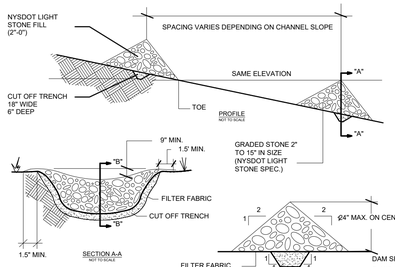
Project No. 2024.000

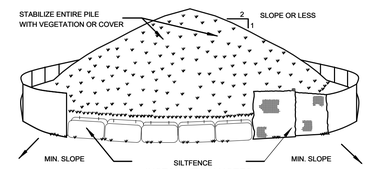
PROJECT: ANCHORAGE-ON-HUDSON - LOT #2

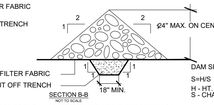
Town of Newburgh — Orange County, New York

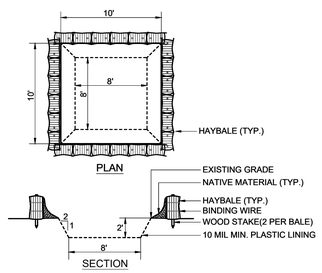
DRAWING: CONSTRUCTION DETAILS

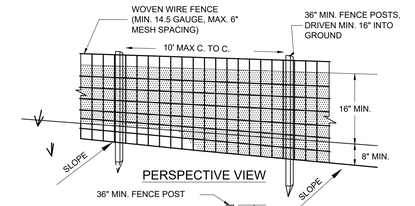
SCALE	DRAWN BY	DRAWING No.
AS NOTED	BJS	2
DATE	CHECKED BY	
10-17-24	BJS	2 of 3

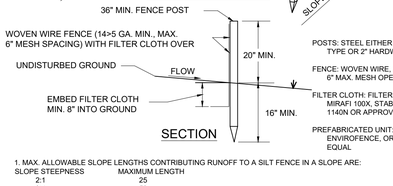


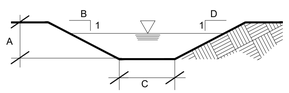


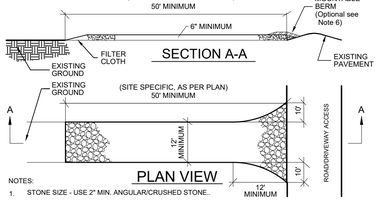


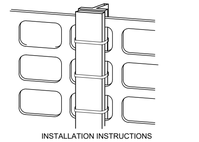


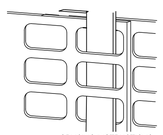


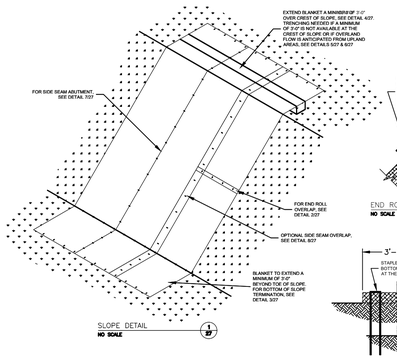


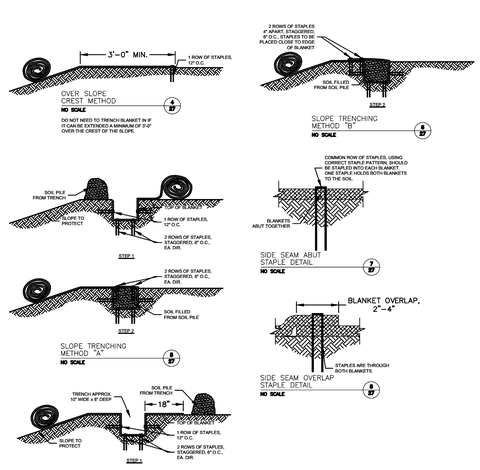


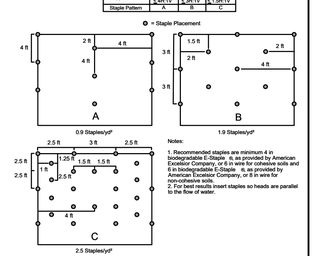


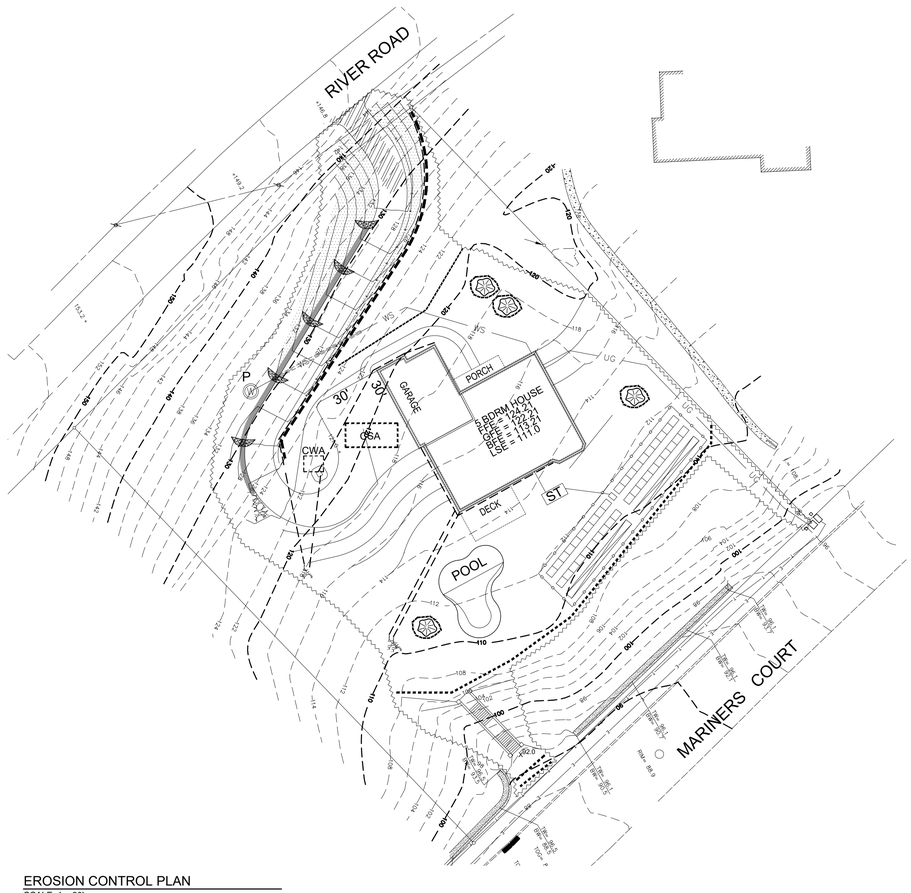












DAM SPACING:

S=H/S
H - HT. OF DAM
S - CHANNEL SLOPE

2.0 AC. MAX.
DRAINAGE AREA

SLOPE	SPACING
2%	100.0'
4%	50.0'
6%	33.3'
8%	25.0'
10%	20.0'
12%	16.6'
14%	14.3'
16%	12.5'

CONSTRUCTION SPECIFICATIONS

1. STONE WILL BE PLACED ON A FILTER FABRIC FOUNDATION TO THE LINES, GRADES AND LOCATIONS SHOWN ON THIS PLAN.

2. SET SPACING OF CHECK DAMS TO ASSUME THAT THE ELEVATIONS OF THE CREST OF THE DOWN STREAM DAM IS AT THE SAME ELEVATION OF THE TOE OF THE UPSTREAM DAM.

3. EXTEND THE STONE A MINIMUM OF 1.5 FEET BEYOND THE DITCH BANKS TO PREVENT RUTTING AROUND THE DAM.

4. PROTECT THE CHANNEL DOWNSTREAM OF THE LOWEST CHECK DAM FROM SCOUR AND EROSION WITH STONE OR LINER AS APPROPRIATE.

5. ENSURE THE CHANNEL APPURTANCES SUCH AS CULVERT ENTRANCES BELOW CHECK DAMS ARE NOT SUBJECT TO DAMAGE OR BLOCKAGE FROM DISPLACED STONES.

6. CHECKS DAMS SHALL BE INSPECTED AFTER EACH RUNOFF EVENT AND ALL DAMAGE THAT OCCURS SHALL BE CORRECTED IMMEDIATELY.

7. REMOVE SEDIMENT ACCUMULATION BEHIND THE CHECK DAM S REQUIRED TO ALLOW CHANNEL TO DRAIN THROUGH THE STONE CHECK DAM AND PREVENT LARGE FLOWS FROM CARRYING SEDIMENT OVER THE DAM.

TYPICAL CHECK DAM DETAIL

NOT TO SCALE

POSTS: STEEL EITHER T OR U TYPE OR 2" HARDWOOD

FENCE: WOVEN WIRE, 14.5 GA. 6" MAX. MESH OPENING

FILTER CLOTH: FILTER X, MIRAFI 100X, STABLINKA 1140N OR APPROVED EQUAL

PREFABRICATED UNIT: GEOFAB, ENVIROFENCE, OR APPROVED EQUAL

1. MAX. ALLOWABLE SLOPE LENGTHS CONTRIBUTING RUNOFF TO A SILT FENCE IN A SLOPE ARE:

SLOPE STEEPNESS	MAXIMUM LENGTH
2:1	25
3:1	50
4:1	75
5:1 OR FLATTER	100

2. MAX. DRAINAGE AREA FOR OVERLAND FLOW TO A SILT FENCE SHALL NOT EXCEED $\frac{1}{4}$ ACRE PER 100' OF FENCE, WITH MAXIMUM PONDING DEPTH OF 1.5' BEHIND THE FENCE.

CONSTRUCTION SPECIFICATIONS

1) WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER T OR U TYPE OR HARDWOOD.
2) FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
3) WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
4) PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUIVALENT.
5) MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

SILT FENCING DETAIL

NOT TO SCALE

SWALE	A (FEET)	B (FEET)	C (FEET)	D (FEET)	LINING	d50	Dmax	9" Thickness
DRIVEWAY SIDE	0.75	2	1	1	RIP RAP	2"	6"	9"

TYPICAL DRIVEWAY SIDE SWALE DETAIL

NOT TO SCALE

INSTALLATION NOTES

1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 1:2.
3. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH EITHER SILT FENCING OR STRAWBALES, THEN STABILIZED WITH VEGETATION

TOPSOIL STOCKPILE DETAIL

NOT TO SCALE

CONSTRUCTION SPECIFICATIONS

1) 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, SAND BAGS, STONE, OR OTHER STRUCTURAL APPURTENANCE EXCEPT AT THE ACCESS POINT.

2) LOCATE THE FACILITY A MINIMUM OF 100 FEET FROM DRAINAGE SWALES, STORM DRAIN INLETS, WETLANDS, STREAMS AND OTHER SURFACE WATERS. PREVENT SURFACE WATER FROM ENTERING THE STRUCTURE EXCEPT FOR THE ACCESS ROAD. PROVIDE APPROPRIATE ACCESS 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 CONCRETE WASHOUT FACILITIES SHALL BE INSPECTED DAILY. DAMAGED OR LEAKING FACILITIES SHALL BE DEACTIVATED AND REPAIRED OR REPLACED IMMEDIATELY. EXCESS RAINWATER THAT HAS ACCUMULATED OVER HARDENED CONCRETE SHOULD BE PUMPED TO A STABILIZED AREA, SUCH AS A GRASS FILTER STRIP.

4) ACCUMULATED HARDENED MATERIAL SHALL BE REMOVED WHEN 75% OF THE STORAGE CAPACITY OF THE STRUCTURE IS FILLED. ANY EXCESS WASH WATER SHALL BE PUMPED INTO A CONTAINMENT VESSEL AND PROPERLY DISPOSED OF OFF SITE.

5) DISPOSE OF THE HARDENED MATERIAL OFF-SITE IN A CONSTRUCTION/DEMOLITION LANDFILL. ON-SITE DISPOSAL MAY BE ALLOWED IF THIS HAS BEEN APPROVED AND ACCEPTED AS PART OF THE PROJECTS SWPPP. IN THAT CASE, THE MATERIAL SHOULD BE RECYCLED AS SPECIFIED, OR BURIED AND COVERED WITH A MINIMUM OF 2 FEET OF CLEAN COMPACTED EARTHFILL THAT IS PERMANENTLY STABILIZED TO PREVENT EROSION.

6) THE PLASTIC LINER SHALL BE REPLACED WITH EACH CLEANING OF THE WASHOUT FACILITY.

7) INSPECT THE PROJECT SITE FREQUENTLY TO ENSURE THAT NO CONCRETE DISCHARGES ARE TAKING PLACE IN NON-DESIGNATED AREAS.

CONCRETE TRUCK WASHOUT DETAIL

NOT TO SCALE

NOTES:

1. STONE SIZE - USE 2" MIN. ANGULAR/CRUSHED STONE..
2. LENGTH - AS REQUIRED, BUT NOT LESS THAN 50 FEET. THICKNESS - NOT LESS THAN SIX (6) INCHES.
3. WIDTH - 12 FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. 24 FOOT MINIMUM IF SINGLE ENTRANCE TO SITE.
4. FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
5. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
6. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OF FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE
7. PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURE USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DRIPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
8. WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

CONSTRUCTION ENTRANCE DETAIL

NOT TO SCALE

INSTALLATION INSTRUCTIONS

1. T-POST SHOULD BE PLACED A MAXIMUM OF 10 FEET APART
2. VERTICAL STRAND OF FENCE SHOULD BE SANDWICHED BETWEEN FLAT SIDE OF T-POST AND 1"X2" WOOD SLAT
3. WIRE TIES OR PLASTIC CABLE TIES CAN THEN BE USED TO SECURE THE SLAT AND FENCE STRAND TO THE T-POST.

SPLICING INSTRUCTIONS

1. TO CONNECT FENCE SECTIONS, OVERLAP 2 STRAND SECTION FROM EACH END END WEAVE A 1"X2" SLAT THROUGH THE OVERLAPPED STRANDS
2. FENCE SHOULD BE TENSIONED BY HAND ONLY DO NOT USE MECHANICAL TENSIONERS.

ORANGE CONSTRUCTION FENCE DETAIL

NOT TO SCALE

SEEDING NOTES:

1) EXPOSED SLOPES AND ALL GRADED AREAS SHALL BE SEEDED WITH THE FOLLOWING GRASS SEED MIX AS REQUIRED:

STEEP SLOPES (3:1)

TEMPORARY SEEDING -
SUMMER SEASON - GERMAN MILLET @ 40 LBS PER ACRE
WINTER SEASON - RYE GRAIN @ 120 LBS PER ACRE

PERMANENT SEEDING - SPRING/FALL
TALL FESCUE @ 100 LBS PER ACRE
KOBE LESPEDEZA @ 10 LBS PER ACRE
BAHIAGRASS @ 25 LBS PER ACRE
RYE GRAIN @ 40 LBS PER ACRE

4) GRASS SEED MIX MAY BE APPLIED BY EITHER MECHANICAL OR HYDROSEEDING METHODS. HYDROSEEDING SHALL BE PERFORMED IN ACCORDANCE WITH THE CURRENT EDITION OF N.Y. STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL.

5) SEEDED AREAS SHALL BE MULCHED AS REQUIRED:

MID-SUMMER, LATE FALL OR WINTER
APPLY AT A RATE OF 100 LBS/1,000 SQ.FT. GRAIN STRAW, COVER WITH NETTING AND STAPLE TO THE SLOPE.

SPRING OR EARLY FALL
APPLY AT A RATE OF 45 LBS/1,000 SQ.FT. WOOD FIBER IN A HYDRO SEEDER SLURRY.

CONSTRUCTION SEQUENCE:

1. A NYSLS SHALL STAKE ALL PROPERTY LINES, WELL, OWTS AND HOUSE LOCATION PRIOR TO CONSTRUCTION. A PRE-CONSTREUCTION MEETING SHALL BE HELD PRIOR TO CONSTRUCTION AND FILL IMPORT. IMPORTED FILL LOCATION TO BE IDENTIFIED TO THE SATISFACTION OF THE TOWN ENGINEER.
2. INSTALL AND STABILIZE TEMPORARY EROSION & SEDIMENT CONTROL MEASURES AS SHOWN ON THE SWPPP PLAN.
3. INSTALL DIVERSION SWALE WITH LINING AND CHECK DAMS AS SHOWN. TO DIVERT RUNOFF AWAY FROM CONSTRUCTION.
4. GRADE DRIVEWAY TO ALLOW STAGING OF EQUIPMENT AND MATERIAL FOR OWTS CONSTRUCTION IN THE FUTURE HOUSE FOUNDATION AREA.
5. BEGIN OWTS SITE CONSTRUCTION FIRST. INSTALL ALL FILL PER APPROVED OWTS PLAN. ALL SLOPES TO BE PROTECTED WITH JUTE MESH TO ENSURE SOIL EROSION IS PREVENTED. IF A RAIN EVENT IS FORECAST WHILE FILLPAD IS UNDER CONSTRUCTION, TEMPORARY ESC JUTE MESH IS TO BE INSTALLED PRIOR TO RAIN EVENT. ONCE THE OWTS IS INSTALLED, INSPECTED, AND STABILIZED WITH SLOPE PROTECTION. HOUSE CONSTRUCTION CAN BEGIN. ALL IMPORTED MATERIAL SHALL HAVE A CHAIN OF CUSTODY.
6. BEGIN HOUSE FOUNDATION PREPARATION. POUR CONCRETE FOOTINGS AND FOUNDATIONS FOR PROPOSED DWELLING. STABILIZE FOUNDATION AREA WITH TEMPORARY HYDROSEED OR JUTE MESH.
7. INSTALL REMAINING SITE UTILITIES AND/OR INFRASTRUCTURE INCLUDING SEWAGE EFFLUENT LINE AND WELL/WATER SERVICE.
8. FINAL GRADE AROUND HOUSE SITE, TOPSOIL, SEED AND MULCH ALL DISTURBED AREAS THAT HAVE OBTAINED FINISHED GRADE ELEVATIONS.
9. PROVIDE SLOPE PROTECTION IMMEDIATELY AFTER GRADING.
10. SEED AND MULCH ALL DISTURBED AREAS THAT WILL NOT BE RE-DISTURBED FOR AT LEAST 14 DAYS.
11. FINALIZE ANY BUILDING PERMIT REQUIREMENTS
12. FINALIZE DRIVEWAY CONSTRUCTION AND FINAL SURFACE TREATMENT
13. OBTAIN C.O. FROM TOWN.

TYPICAL SLOPE PROTECTION

NOT TO SCALE

DO NOT NEED TO TRENCH BLANKET IN IF IT CAN BE EXTENDED A MINIMUM OF 3'-0" OVER THE CREST OF THE SLOPE.

For 8 ft wide Curlex CL Erosion Control Blankets
Adjust horizontal staple spacing for 4ft and 16 ft wide Curlex Erosion Control Blankets

Application	Slope		
	$\leq$ 4H:1V	$\leq$ 3H:1V	$\leq$ 1.5H:1V
Staple Pattern	A	B	C

● = Staple Placement

0.9 Staples/yd²

1.9 Staples/yd²

2.5 Staples/yd²

Notes:

1. Recommended staples are minimum 4 in biodegradable E-Staple ®, as provided by American Excelsior Company, or 6 in wire for cohesive soils and 6 in biodegradable E-Staple ®, as provided by American Excelsior Company, or 8 in wire for non-cohesive soils.
2. For best results insert staples so heads are parallel to the flow of water.

EROSION CONTROL PLAN

SCALE: 1 = 30'

GENERAL LEGEND

▭	HOUSE LOCATION
CWA	CONCRETE WASHOUT AREA
CSA	CONSTRUCTION STAGING AREA
﹏	DISTURBANCE LIMITS
— FD/RL —	FOOTING DRAIN/ROOF LEADER
■ ■ ■ ■	PROPOSED SILT FENCING
◗	CHECK DAM LOCATION
▨	CONSTRUCTION ENTRANCE
⬠	TEMPORARY SOIL STOCKPILE W/SILT FENCING EROSION CONTROL
— — — —	10 FOOT CONTOUR
- - - - -	2 FOOT CONTOUR
——100——	PROPOSED CONTOUR
▒	SLOPE PROTECTION
CO	CLEAN OUT
—— FD ——	FOOTING DRAIN
—— RL ——	ROOF LEADER
—— 325 ——	REGRADED CONTOUR
—□—□—□—	ORANGE CONSTRUCTION FENCING

IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW FOR ANY PERSONS TO ALTER THESE PLANS, SPECIFICATIONS, OR REPORTS IN ANY WAY, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR.

TOWN OF NEWBURGH PB APPROVAL BOX

Revisions

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Project No. 2024.000

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PROJECT
ANCHORAGE-ON-HUDSON - LOT #2
Town of Newburgh
Orange County, New York

DRAWING
CONSTRUCTION DETAILS

SCALE	DRAWN BY	DRAWING No.
AS NOTED	BJS	3
DATE	CHECKED BY	
10-17-24	BJS	3 of 3