Town of North Castle
Residential Project Review Committee
17 Bedford Road Armonk, New York 10504
(914) 273-3542 (914) 273-3554 (fax)

RPRC COMPLETENESS REVIEW FORM

This form represents the standard requirements for a completeness review for all Residential Project Review Committee submissions. Failure to provide all of the information requested will result in a determination that the application is incomplete.

Project Name on Plan: ROSSI DONAHUE POOL

☒ Initial Submittal ☐ Revised Preliminary

Street Location: 8 PIPING BROOK LANE

Zoning District: R-2A Property Acreage: 2.0005 Tax Map Parcel ID: 102.02-2-24

Date: 11/17/2021

DEPARTMENTAL USE ONLY

Date Filed: _____ Staff Name: _____

Preliminary Plan Completeness Review Checklist
Items marked with a "☒" are complete, items left blank "☐" are incomplete and must be completed, "NA" means not applicable.

☐1. Plan prepared by a registered architect or professional engineer

☐2. Aerial photo (Google Earth) showing the applicant's entire property and adjacent properties and streets

☐3. Map showing the applicant's entire property and adjacent properties and streets

☐4. A locator map at a convenient scale

☐5. The proposed location, use and design of all buildings and structures (including floor plans and elevations)

☐6. Existing topography and proposed grade elevations

☐7. Location of drives

☐8. Location of all existing and proposed site improvements, including drains, culverts, retaining walls and fences.

☐9. Description of method of water supply and sewage disposal and location of such facilities

☐10. The name and address of the applicant, property owner(s) if other than the applicant and of the planner, engineer, architect, surveyor and/or other professionals engaged to work

☐11. Submission of a Zoning Conformance Table depicting the plan's compliance with the minimum requirements of the Zoning District

☐12. If a tree removal permit is being sought, submission of a plan depicting the location and graphical removal status of all Town-regulated trees within the proposed area of disturbance. In addition, the tree plan shall be accompanied by a tree inventory includes a unique ID number, the species, size, health condition and removal status of each tree.

☐13. If a wetlands permit is being sought, identification of the wetland and the 100-foot wetland buffer.

_____ On this date, all items necessary for a technical review of the proposed site plan have been submitted and constitute a COMPLETE APPLICATION.

Town of North Castle Building Department
17 Bedford Road
Armonk, New York 10504-1898
Telephone: (914) 273-3000 ext. 44 Fax: (914) 273-3554
www.northcastleny.com

Residential Building Permit Application

NOTE: TWO (2) SETS OF ALL REQUIRED DOCUMENTS MUST BE SUBMITTED WITH THIS APPLICATION

Section I- PROJECT ADDRESS: 8 PIPING BROOK LANE DATE: 1/17/2021

Section II- CONTACT INFORMATION: (Please print clearly. All information must be current)

APPLICANT: ROSS ROSEN & PATRICIA DONAHUE

ADDRESS: 8 PIPING BROOK LANE

PHONE: 914 205 3203 MOBILE: 781 883 3500 EMAIL: ROSSROSEN1@GMAIL.COM

PROPERTY OWNER: SAME AS APPLICANT

ADDRESS:

PHONE: MOBILE: EMAIL:

Section III- DESCRIPTION OF WORK: (Any work conducted outside of the house requires approval from the RPRC unless the proposed action is minor in nature and complies with 355-26 C (3) of the Town of North Castle code.)

CONSTRUCTION OF A 20X45 FT IN GROUND SWIMMING POOL AND 500 SF POOL DECK (FLAGSTONE) AND DEMOLITION OF THE EXISTING PATIO.

Section IV- USE AND OCCUPANCY:

EXISTING/ CURRENT USE: SINGLE FAMILY HOUSE

PROPOSED RESIDENTIAL:

[X] One Family Dwelling [ ] Two Family Dwelling [ ] Townhouse [ ] Detached Accessory Structure

Section V- PERMIT FEES: ($20 app fee for the first $15,000 and $30 app fee, over $15,001 and $12 per $1000, cost of construction.)

ESTIMATED COST OF CONSTRUCTION (Based on fair market value labor & material) $ 120,000.00

AFFIDAVIT OF CONSTRUCTION COST: This affidavit must be completed by the Design Professional if the estimated cost is $20,000 or more.

Town of North Castle Building Department

Section V- (Continued)

I JOHN KARELL, JR., PE do hereby affirm and certify as follows: (i) I am the architect/engineer (circle one) licensed by the State of New York; (ii) I have reviewed the plans, drawings and specifications for this application and am fully familiar with the proposed construction; (iii) based on my experience, I estimate the total cost of construction including all labor, all materials, all professional fees and all associated costs to be approximately $ 120,000.00, and (iv) pursuant to Penal Law 210.45, I acknowledge that a false statement made knowingly is a Class A misdemeanor.

Signature: [signature] Date: 01/17/2021

STATE OF NEW YORK JOHN KARELL, JR. LICENSED PROFESSIONAL ENGINEER No. 53277

Sign and Affix Seal Here

Section VI- CONTACT INFORMATION: (Please print clearly. All information must be current)

ARCHITECT/ ENG: JOHN KARELL, JR., P.E

ADDRESS: 121 CUSHMAN ROAD, PATTERSON NY, 12563

PHONE: 845 878 7894 MOBILE: 845 721 0455

EMAIL: JKJK4911@YAHOO.COM

CONTRACTOR: _____

ADDRESS: _____

PHONE: _____ MOBILE: _____ EMAIL: _____

PLUMBER: _____

ADDRESS: _____

PHONE: _____ MOBILE: _____ EMAIL: _____

ELECTRICIAN: _____

ADDRESS: _____

PHONE: _____ MOBILE: _____ EMAIL: _____

Section VII- APPLICANT CERTIFICATION

I hereby certify that I have read the instructions & examined this application and know the same to be true & correct. All provisions of laws & ordinances covering this type of work will be complied with whether specified herein or not. The granting of a permit does not presume to give authority to violate or cancel the provisions of any other state or local law regulating construction or land use or the performance of construction.

Signature: [signature] Date: 2/1/21

Town of North Castle Building Department

Patricia Marie Snow
NOTARY PUBLIC
State of Connecticut
My Commission Expires 4/30/2024

Section VIII- AFFIDAVIT OF OWNER AUTHORIZATION:

STATE OF NEW YORK)
COUNTY OF WESTCHESTER) SS:

The applicant John Kaell Jr. has proper consent from said owner to make this application as submitted and said owner agrees to all terms and conditions placed upon same.

Owner's Name (PRINT) Ross Rosen Owner's Signature

Sworn to before me this 1st day of February, 20 21

OFFICE USE ONLY – DO NOT WRITE BELOW THIS LINE

Zone:_____ Section:_____ Block:_____ Lot:_____

Building Department Checklist:

Does this permit require RPRC approval? [ ] Yes [ ]No

[ ] GC License [ ] Work. Comp. [ ] Liability. Ins. [ ] Disability [ ] Two sets of documents

[ ] Permit Fee_____ Payment: [ ] Check #: _____ [ ] Cash

Name on check: _____

Received By:_____ Application No.:_____

BUILDING INSPECTOR APPROVAL

Has all the conditions of the RPRC been met? [ ] Yes

Is a Flood Development permit required? [ ] Yes [ ] No

Reviewed By:_____ Date:_____

Building Inspector Approval:_____ Date:_____

Conditions:_____

TOWN OF NORTH CASTLE

WESTCHESTER COUNTY
17 Bedford Road
Armonk, New York 10504-1898

RESIDENTIAL PROJECT
REVIEW COMMITTEE
Adam R. Kaufman AICP, Chair

Telephone: (914) 273-3000 x 43
Fax: (914) 273-3554
www.nortcastleny.com

RESIDENTIAL PROJECT REVIEW COMMITTEE (RPRC) APPLICATION

Section I- PROJECT ROSS | DONAHUE SWIMMING POOL

ADDRESS: 8 PIPING BROOK LANE, BEDFORD, NY, 10506 (MAILING)
(2 STILLWATER PLACE - NORTH CASTLE TAXES)

Section III- DESCRIPTION OF WORK:

CONSTRUCTION OF A 20FTX45FT IN GROUND SWIMMING POOL AND 500 SF DECK (FLAGSTONE) AND DEMOLITION OF THE EXISTING PATIO.

Section III- CONTACT INFORMATION:

APPLICANT: ROSS ROSEN AND PATRICIA DONAHUE
ADDRESS: 8 PIPING BROOK LANE, BEDFORD, NY, 10506
PHONE: 914-205 3203 MOBILE: 781 883 3500 EMAIL: ROSSROSEN1@GMAIL.COM

PROPERTY OWNER:

ADDRESS: SAME AS APPLICANT
PHONE: MOBILE: EMAIL:

PROFESSIONAL:: JOHN KARELL, JR., P.E.
ADDRESS: 121 CUSHMAN ROAD, PATTERSON, NY, 12563
PHONE: 845-878-7894 MOBILE: 845-721-0455
EMAIL: JACK4911@YAHOO.COM

Section IV- PROPERTY INFORMATION:

Zone: R-2A Tax ID (lot designation) 102.02-2-24

TOWN OF NORTH CASTLE
WESTCHESTER COUNTY
17 Bedford Road
Armonk, New York 10504-1898

PLANNING DEPARTMENT
Adam R. Kaufman, AICP
Director of Planning

Telephone: (914) 273-3542
Fax: (914) 273-3554
www.northcastleny.com

GROSS LAND COVERAGE CALCULATIONS WORKSHEET

Application Name or Identifying Title: ROSS/DONAHUE SWIMMING POOL Date: 1/17/2021

Tax Map Designation or Proposed Lot No.: 102.02 - 1 - 24

Gross Lot Coverage

1.	Total lot Area (Net Lot Area for Lots Created After 12/13/06):	2.0 AC 87,140
2.	**Maximum** permitted gross land coverage (per Section 213-22.2C):	13,270 SF
3.	**BONUS** maximum gross land cover (per Section 213-22.2C):	
	Distance principal home is beyond minimum front yard setback 22 x 10 =	220
4.	**TOTAL Maximum Permitted gross land coverage** = Sum of lines 2 and 3	13,490
5.	Amount of lot area covered by **principal building:** 2571 existing + 0 proposed =	2571
6.	Amount of lot area covered by **accessory buildings:** 0 existing + 0 proposed =	0
7.	Amount of lot area covered by **decks:** 765 existing + 500 proposed =	1265
8.	Amount of lot area covered by **porches:** 0 existing + 0 proposed =	0
9.	Amount of lot area covered by **driveway, parking areas and walkways:** 3824 existing + 0 proposed =	3824
10.	Amount of lot area covered by **terraces:** (REAR PATIO) TO BE REMOVED 431 existing + 0 proposed =	-431
11.	Amount of lot area covered by **tennis court, pool and mechanical equip:** 0 existing + 1400 proposed =	1400
12.	Amount of lot area covered by **all other structures:** WALLS & CONC. STEPS 145 existing + 0 proposed =	145
13.	Proposed **gross land coverage:** Total of Lines 5 – 12 =	8768

If Line 13 is less than or equal to Line 4, your proposal complies with the Town's maximum gross land coverage regulations and the project may proceed to the Residential Project Review Committee for review. If Line 13 is greater than Line 4 your proposal does not comply with the Town's regulations.

Signature and Seal of Professional Preparing Worksheet

01/31/2021
Date

Application No: _____
Fee: _____ Date: _____

ADMINISTRATIVE WETLAND PERMIT APPLICATION

TOWN OF NORTH CASTLE

17 Bedford Road
Armonk, New York 10504

Project Information

Project Address: 8 PIPING BROOK LANE
Sheet: 102.02 Block: 1 Lot(s): 24 Zoning District: R2A Lot Area: 2.0005 AC

Project Description (identify the improvements proposed within the wetland/wetland buffer):
CONSTRUCTION OF A SWIMMING POOL & DECK WITHIN THE 100 FT SETBACK TO STATE WETLAND K-28 AND 100 FT TOWN WETLAND SETBACK

Owner/Agent Information

Owner/Agent Name: ROSS ROSEN & PATRICIA DONAHUE Phone: 914 205 3203
Owner/Agent Address: 8 PIPING BROOK LANE BEDFORD NY 10506 Email: ROSSROSEN1@GMAIL.COM

To Be Completed By Owner/Applicant

1. Date of RPRC Review: 11/3/2021
2. Is the project located within the NYCDEP Watershed? ☐ Yes ☒ No
3. Total area of proposed disturbance: ☒ < 5,000 s.f. ☐ 5,000 s.f. - < 1 acre ☐ ≥ 1 acre
4. Total area of wetland: 0 and/or wetland buffer disturbance: 3,200 SF
5. Total area of mitigation: 2212 PER JAHNIG
   ☒ Plantings ☒ Invasive species removal/monitoring ☒ No-mow zone
   ☐ Prohibition of pesticides/herbicides ☐ Other _____
6. Does the proposed action require any other permits/approvals from other agencies/Departments?
   ☐ Planning Board ☐ Town Board ☐ Zoning Board of Appeals ☐ Building Department
   ☐ Town Highway ☐ Tree Removal ☐ Sediment & Erosion Control ☐ Floodplain Activity
   NYSDEC SWPPP/NOI, ☒ NYSDEC Wetland ☐ NYCDEP ☐ WCDOH ☐ NYSDOT
7. Requested waivers: NONE

Note: Initially, all applications shall be submitted with three sets of plans that illustrate the existing conditions (2' contours, well, SSDS, structures, etc.) and proposed improvements. Said plan must include a line which encircles the total area of proposed land disturbance and the approximate area of disturbance must be calculated (square feet). Mitigation for proposed impacts within the regulated area must be provided. The Town Wetland Consultant may require additional materials, information, reports and plans, as determined necessary, to review and evaluate the proposed action. Application materials outlined under §209-6 of the Town Code must be submitted, unless waived. Pursuant to §209-6D, the applicant shall be responsible for the reimbursement of consultant services related to the issuance and review of Wetland Permit Applications.

Owner/Applicant Signature: _____ Date: 2/1/21

TOWN OF NORTH CASTLE ENVIRONMENTAL QUESTIONNAIRE

The purpose of this Questionnaire is to determine whether a Town Wetland Permit/Coverage under the NYSDEC SPDES General Permit for Stormwater Discharges is required. This form does not provide authorization to commence work.

Project Information

Project Address: 8 PIPING BROOK LANE

Sheet: 102.02 Block: 2 Lot(s): 24

Project Description: CONSTRUCTION OF A SWIMMING POOL AND POOL DECK WITHIN THE 100 FT SETBACK TO STATE WETLAND K-25 AND TOWN WETLAND SETBACK

Note: This questionnaire must be accompanied with a Plot Plan that clearly illustrates the location and dimensions of the proposed activity. Said Plot Plan must include a line which encircles the total area of proposed land disturbance and the approximate area of disturbance must be calculated (square feet). Failure to submit these items will delay review.

Owner's Information

Owner's Name: ROSS ROSEN & PATRICIA DONAHUE Phone:

Owner's Address: 8 PIPING BROOK LANE, BEDFORD, NY, 10506

Authorized Agent's Information (if applicable)

Agent's Name: JOHN KARELL, JR Phone: 845 721 0355

Agent's Adress: 121 CUSHMAN ROAD PATTERSON NY 12563

As the owner/agent (circle one), I hereby state that to the best of my knowledge, the information provided herein is accurate. In addition, I hereby grant permission to the Town's professional consultants to enter onto my property to conduct a site inspection.

Owner/Agent Name (print): JOHN KARELL, JR.

Owner/Agent Name (signature): [signature] Date: 01/30/2024

FOR TOWN USE - PLEASE DO NOT WRITE BELOW THIS LINE

1. The existing/proposed use is: ☐ Residential ☐ Nonresidential
2. Is a Town Wetland Permit required? ☐ Yes ☐ No
3. Date of RPRC Review:
4. If Yes, what type of Wetland Permit is required? ☐ Administrative ☐ Planning Board
5. Reason why a Wetland Permit is required:
6. Is the project located within the NYCDEP Watershed? ☐ Yes ☐ No
7. Area of proposed disturbance: ☐ < 5,000 s.f. ☐ 5,000 s.f. - < 1 acre ☐ ≥ 1 acre
8. Will the project require coverage under the NYSDEC SPDES General Permit for Stormwater Discharges and the preparation of a SWPPP? ☐ Yes ☐ No ☐ TBD
9. Requested Waivers:

Notes:

Signature: Date:

NEW YORK STATE | Department of Environmental Conservation | Office of General Services | Department of State

US Army Corps of Engineers

JOINT APPLICATION FORM

For Permits for activities activities affecting streams, waterways, waterbodies, wetlands, coastal areas, sources of water, and endangered and threatened species.

You must separately apply for and obtain Permits from each involved agency before starting work. Please read all instructions.

1. Applications To:

>NYS Department of Environmental Conservation ☐ Check here to confirm you sent this form to NYSDEC.

Check all permits that apply:

- ☐ Stream Disturbance
- ☐ Excavation and Fill in Navigable Waters
- ☐ Docks, Moorings or Platforms
- ☐ Dams and Impoundment Structures
- ☐ 401 Water Quality Certification
- ☒ Freshwater Wetlands
- ☐ Tidal Wetlands
- ☐ Wild, Scenic and Recreational Rivers
- ☐ Coastal Erosion Management
- ☐ Water Withdrawal
- ☐ Long Island Well
- ☐ Incidental Take of Endangered / Threatened Species

>US Army Corps of Engineers ☐ Check here to confirm you sent this form to USACE.

Check all permits that apply: ☐ Section 404 Clean Water Act ☐ Section 10 Rivers and Harbors Act

Is the project Federally funded? ☐ Yes ☐ No

If yes, name of Federal Agency:

General Permit Type(s), if known:

Preconstruction Notification: ☐ Yes ☐ No

>NYS Office of General Services ☐ Check here to confirm you sent this form to NYSOGS.

Check all permits that apply:

- ☐ State Owned Lands Under Water
- ☐ Utility Easement (pipelines, conduits, cables, etc.)
- ☐ Docks, Moorings or Platforms

>NYS Department of State ☐ Check here to confirm you sent this form to NYSDOS.

Check if this applies: ☐ Coastal Consistency Concurrence

2. Name of Applicant

ROSS ROSEN & PATRICIA DONAHUE

Taxpayer ID (if applicant is NOT an individual)

Mailing Address: 8 PIPING BROOK LANE

Post Office / City: BEDFORD

State: NY

Zip: 10506

Telephone: 781 883 3500

Email: ROSSROSEN1@GMAIL.COM

Applicant Must be (check all that apply): ☒ Owner ☐ Operator ☐ Lessee

3. Name of Property Owner (if different than Applicant)

SAME AS OWNER

Mailing Address

Post Office / City

State

Zip

Telephone

Email

For Agency Use Only | Agency Application Number:

4. Name of Contact / Agent

JOHN KARELL, JR., P.E.

Mailing Address	Post Office / City	State	Zip
121 CUSHMAN ROAD	PATTERSON	NY	12563

Telephone 845 721 0455 Email JACK4911@YAHOO.COM

5. Project / Facility Name

ROSEN/DONAHUE SWIMMING POOL

Property Tax Map Section / Block / Lot Number: 102.02-2-24

Project Street Address, if applicable	Post Office / City	State	Zip
8 PIPING BROOK LANE	BEDFORD	NY	10506

Provide directions and distances to roads, intersections, bridges and bodies of water

JACKSON ROAD TO PIPING BROOK LANE

☒ Town ☐ Village ☐ City

County	Stream/Waterbody Name
WESTCHESTER	K-28 STATE WETLAND

Project Location Coordinates: Enter Latitude and Longitude in degrees, minutes, seconds:

Latitude: 41.151° ' " Longitude: -73.633° ' "

6. Project Description: Provide the following information about your project. Continue each response and provide any additional information on other pages. **Attach plans on separate pages.**

a. Purpose of the proposed project:

CONSTRUCT SWIMMING POOL, INGROUND AND POOL DECK

b. Description of current site conditions:

PATIO AND LAWN

c. Proposed site changes:

CONSTRUCT POOL AND FLAGSTONE DECK. REMOVE EXISTING PATIO

d. Type of structures and fill materials to be installed, and quantity of materials to be used (e.g., square feet of coverage, cubic yards of fill material, structures below ordinary/mean high water, etc.):

POOL TO BE CONSTRUCTED GENERALLY AT GRADE. POOL EXCAVATION MATERIAL TO BE PLACED OUTSIDE THE 100 FT WETLAND SETBACK OR REMOVED FROM THE SITE.

e. Area of excavation or dredging, volume of material to be removed, location of dredged material placement:

NO MATERIAL TO BE DREDGED

f. Is tree cutting or clearing proposed? ☐ Yes If Yes, explain below. ☒ No

Timing of the proposed cutting or clearing (month/year):

Number of trees to be cut: Acreage of trees to be cleared:

g. Work methods and type of equipment to be used:

BACKHOE FOR POOL EXCAVATION

h. Describe the planned sequence of activities:

SEE ATTACHED CONSTRUCTION SEQUENCE

i. Pollution control methods and other actions proposed to mitigate environmental impacts:

SILT FENCE

j. Erosion and silt control methods that will be used to prevent water quality impacts:

SILT FENCE

k. Alternatives considered to avoid regulated areas. If no feasible alternatives exist, explain how the project will minimize impacts:

l. Proposed use: ☒ Private ☐ Public ☐ Commercial

m. Proposed Start Date: MAY 1, 2021 Estimated Completion Date: JUNE 1, 2021

n. Has work begun on project? ☐ Yes If Yes, explain below. ☒ No

o. Will project occupy Federal, State, or Municipal Land? ☐ Yes If Yes, explain below. ☒ No

p. List any previous DEC, USACE, OGS or DOS Permit / Application numbers for activities at this location:

NONE

q. Will this project require additional Federal, State, or Local authorizations, including zoning changes?

☒ Yes If Yes, list below. ☐ No

WETLAND PERMIT, TOWN OF NEW CASTLE

7. Signatures.

Applicant and Owner (If different) must sign the application.
Append additional pages of this Signature section if there are multiple Applicants, Owners or Contact/Agents.

I hereby affirm that information provided on this form and all attachments submitted herewith is true to the best of my knowledge and belief.

Permission to Inspect - I hereby consent to Agency inspection of the project site and adjacent property areas. Agency staff may enter the property without notice between 7:00 am and 7:00 pm, Monday - Friday. Inspection may occur without the owner, applicant or agent present. If the property is posted with "keep out" signs or fenced with an unlocked gate, Agency staff may still enter the property. Agency staff may take measurements, analyze site physical characteristics, take soil and vegetation samples, sketch and photograph the site. I understand that failure to give this consent may result in denial of the permit(s) sought by this application.

False statements made herein are punishable as a Class A misdemeanor pursuant to Section 210.45 of the NYS Penal Law. Further, the applicant accepts full responsibility for all damage, direct or indirect, of whatever nature, and by whomever suffered, arising out of the project described herein and agrees to indemnify and save harmless the State from suits, actions, damages and costs of every name and description resulting from said project. In addition, Federal Law, 18 U.S.C., Section 1001 provides for a fine of not more than $10,000 or imprisonment for not more than 5 years, or both where an applicant knowingly and willingly falsifies, conceals, or covers up a material fact; or knowingly makes or uses a false, fictitious or fraudulent statement.

Signature of Applicant | Date: 2-1-21

Applicant Must be (check all that apply): [X] Owner [ ] Operator [ ] Lessee

Printed Name: Ross Rosen | Title: OWNER

Signature of Owner (if different than Applicant): SAME AS APPLICANT | Date:

Printed Name: | Title:

Signature of Contact / Agent: [signature] | Date: 01/17/2021

Printed Name: JOHN KARELL, JR., P.E. | Title: ENGINEER

For Agency Use Only **DETERMINATION OF NO PERMIT REQUIRED**

Agency Application Number:

(Agency Name) has determined that No Permit is required from this Agency for the project described in this application.

Agency Representative:

Printed Name: | Title:

Signature: | Date:

Short Environmental Assessment Form
Part 1 - Project Information

Instructions for Completing

Part 1 – Project Information. The applicant or project sponsor is responsible for the completion of Part 1. Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification. Complete Part 1 based on information currently available. If additional research or investigation would be needed to fully respond to any item, please answer as thoroughly as possible based on current information.

Complete all items in Part 1. You may also provide any additional information which you believe will be needed by or useful to the lead agency; attach additional pages as necessary to supplement any item.

Part 1 – Project and Sponsor Information

ROSS ROSEN AND PATRICIA DONAHUE

Name of Action or Project:

ROSEN & DONAHUE IN GROUND SWIMMING POOL

Project Location (describe, and attach a location map):

8 PIPING BROOK LANE, NORTH CASTLE (t)

Brief Description of Proposed Action:

CONSTRUCTION OF AN IN GROUND SWIMMING POOL AND POOL DECK IN THE REAR YARD OF THE HOUSE, WITHIN THE 100 FOOT SETBACK TO DEC WETLAND K-28

Name of Applicant or Sponsor:	Telephone: 914 874 4937
ROSS ROSEN AND PATRICIA DONAHUE	E-Mail: rossrosen1@gmail.com

Address:

8 PIPING BROOK LANE

City/PO:	State:	Zip Code:
BEDFORD	NY	10504

	NO	YES
1. Does the proposed action only involve the legislative adoption of a plan, local law, ordinance, administrative rule, or regulation? If Yes, attach a narrative description of the intent of the proposed action and the environmental resources that may be affected in the municipality and proceed to Part 2. If no, continue to question 2.	☑	☐
2. Does the proposed action require a permit, approval or funding from any other government Agency? If Yes, list agency(s) name and permit or approval:	☑	☐

3. a. Total acreage of the site of the proposed action? 2.0 acres
   b. Total acreage to be physically disturbed? 0.13 acres
   c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? 2.0 acres

4. Check all land uses that occur on, are adjoining or near the proposed action:

5. ☐ Urban ☐ Rural (non-agriculture) ☐ Industrial ☐ Commercial ☑ Residential (suburban)
   ☐ Forest ☐ Agriculture ☐ Aquatic ☐ Other(Specify):
   ☐ Parkland

	NO	YES	N/A
5. Is the proposed action,			
a. A permitted use under the zoning regulations?	☐	☑	☐
b. Consistent with the adopted comprehensive plan?	☐	☑	☐

	NO	YES
6. Is the proposed action consistent with the predominant character of the existing built or natural landscape?	☐	☑

	NO	YES
7. Is the site of the proposed action located in, or does it adjoin, a state listed Critical Environmental Area?		
If Yes, identify: _____	☑	☐

	NO	YES
8. a. Will the proposed action result in a substantial increase in traffic above present levels?	☑	☐
b. Are public transportation services available at or near the site of the proposed action?	☑	☐
c. Are any pedestrian accommodations or bicycle routes available on or near the site of the proposed action?	☑	☐

	NO	YES
9. Does the proposed action meet or exceed the state energy code requirements?		
If the proposed action will exceed requirements, describe design features and technologies: _____ _____	☐	☑

	NO	YES
10. Will the proposed action connect to an existing public/private water supply?		
If No, describe method for providing potable water: _____ _____	☐	☑

	NO	YES
11. Will the proposed action connect to existing wastewater utilities?		
If No, describe method for providing wastewater treatment: _____ _____	☐	☑

	NO	YES
12. a. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district which is listed on the National or State Register of Historic Places, or that has been determined by the Commissioner of the NYS Office of Parks, Recreation and Historic Preservation to be eligible for listing on the State Register of Historic Places?	☑	☐
b. Is the project site, or any portion of it, located in or adjacent to an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory?	☑	☐

	NO	YES
13. a. Does any portion of the site of the proposed action, or lands adjoining the proposed action, contain wetlands or other waterbodies regulated by a federal, state or local agency?	☐	☑
b. Would the proposed action physically alter, or encroach into, any existing wetland or waterbody?	☑	☐
If Yes, identify the wetland or waterbody and extent of alterations in square feet or acres: _____ _____ _____		

14. Identify the typical habitat types that occur on, or are likely to be found on the project site. Check all that apply:

☐ Shoreline ☐ Forest ☐ Agricultural/grasslands ☐ Early mid-successional

☐ Wetland ☐ Urban ☑ Suburban

	NO	YES
15. Does the site of the proposed action contain any species of animal, or associated habitats, listed by the State or Federal government as threatened or endangered?	☑	☐
16. Is the project site located in the 100-year flood plan?	☑	☐
17. Will the proposed action create storm water discharge, either from point or non-point sources?	☐	☑
If Yes,		
a. Will storm water discharges flow to adjacent properties?	☑	☐
b. Will storm water discharges be directed to established conveyance systems (runoff and storm drains)?	☑	☐
If Yes, briefly describe:		
18. Does the proposed action include construction or other activities that would result in the impoundment of water or other liquids (e.g., retention pond, waste lagoon, dam)?	☑	☐
If Yes, explain the purpose and size of the impoundment:		
19. Has the site of the proposed action or an adjoining property been the location of an active or closed solid waste management facility?	☑	☐
If Yes, describe:		
20. Has the site of the proposed action or an adjoining property been the subject of remediation (ongoing or completed) for hazardous waste?	☑	☐
If Yes, describe:		

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

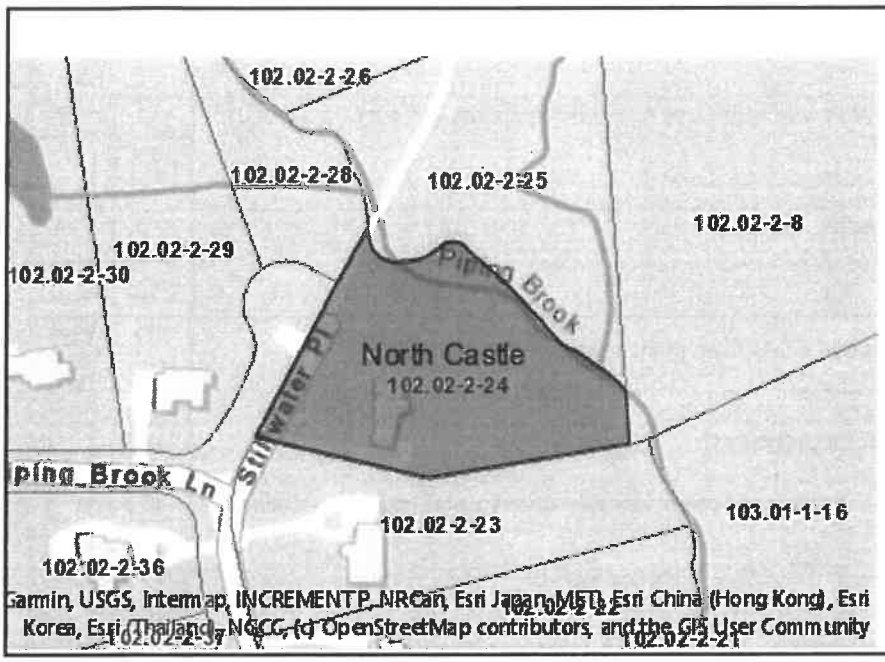
Applicant/sponsor/name: ROSS ROSEN & PATRICIA DONAHUE Date: JANUARY 13, 2021

Signature: _____ Title: OWNERS

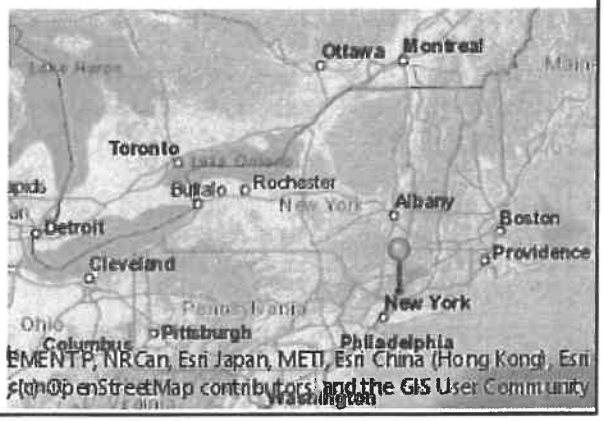
PRINT FORM

EAF Mapper Summary Report

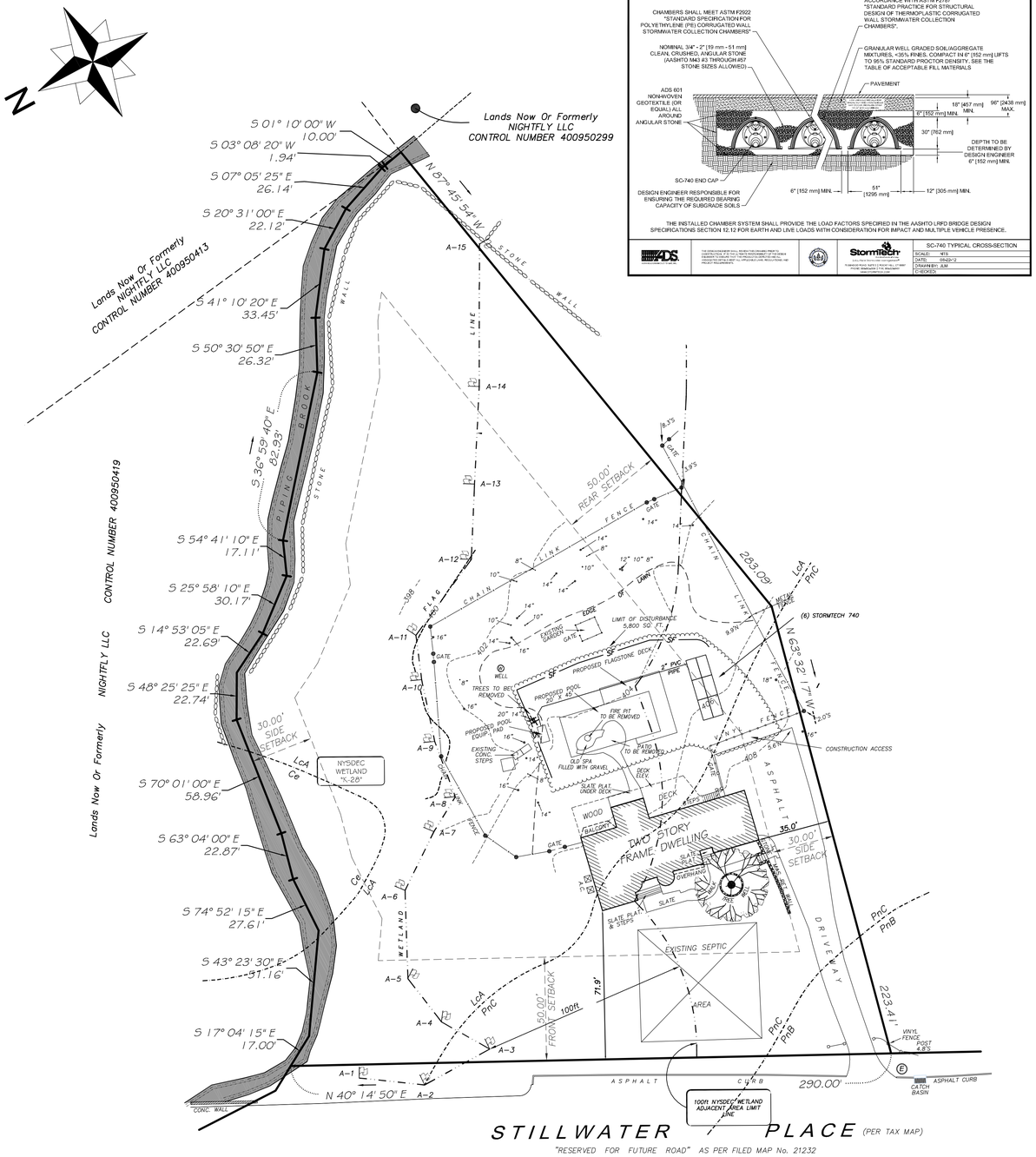
Wednesday, January 13, 2021 8:05 AM



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



Part 1 / Question 7 [Critical Environmental Area]	No
Part 1 / Question 12a [National or State Register of Historic Places or State Eligible Sites]	No
Part 1 / Question 12b [Archeological Sites]	No
Part 1 / Question 13a [Wetlands or Other Regulated Waterbodies]	Yes - Digital mapping information on local and federal wetlands and waterbodies is known to be incomplete. Refer to EAF Workbook.
Part 1 / Question 15 [Threatened or Endangered Animal]	No
Part 1 / Question 16 [100 Year Flood Plain]	No
Part 1 / Question 20 [Remediation Site]	No



STILLWATER PLACE (PER TAX MAP)

"RESERVED FOR FUTURE ROAD" AS PER FILED MAP No. 21232

SCALE:

1" = 30'

SOIL LEGEND

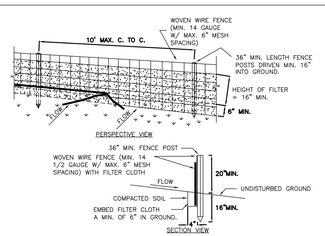
Ce	Catden muck, 0 to 2 percent slopes
LcA	Leicester loam, 0 to 3 percent slopes, stony
PnB	Paxton fine sandy loam, 3 to 8 percent slopes.
PnC	Paxton fine sandy loam, 8 to 15 percent slopes

NOTES

1. 2 TREES TO BE REMOVED
2. CONSTRUCTION ACCESS WILL BE OFF EXISTING DRIVEWAY
3. CONSTRUCTION WILL RESULT IN AN INCREASE IN IMPERIOUS SURFACE OF 500 SQ. FT. FOR POOL DECK
4. AREA OF DISTURBANCE 5,800 SQ. FT. TOTAL
   3,200 SQ. FT. IN WETLAND BUFFER
   1,150 SQ. FT PERMANENT DISTURBANCE IN WETLAND BUFFER

LEGEND

SILT FENCE — SF — SF —
CONTOUR LINE
LIMIT OF DISTURBANCE
100 FT WETLAND BUFFER
SOIL BOUNDARY
SETBACK LINES
EXISTING TREE TO REMAIN 16"
TREE TO BE REMOVED 16"



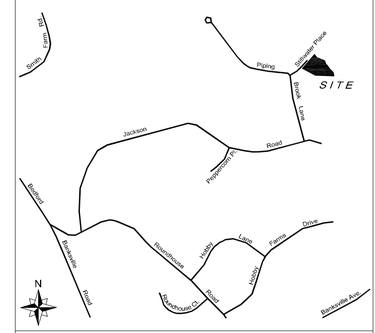
CONSTRUCTION SPECIFICATIONS

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "T" OR "L" TYPE OR HARDWOOD.
2. FILTER CLOTH TO BE TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 6" MAXIMUM MESH OPENING.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER-LAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABLINKA T140N, OR APPROVED EQUIVALENT.
4. PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUIVALENT.
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

SILT FENCE

ZONING SCHEDULE

R 2A RESIDENTIAL	REQUIRED	EXISTING
MIN LOT AREA (AC)	2	2.0005
MIN LOT WIDTH (FT)	150	260
MIN LOT DEPTH (FT)	150	440
MIN YARD DIMENSIONS (FT)		
FRONT	50	72
SIDE	30	35
REAR	50	330
MAX BUILDING HEIGHT (FT)	30	<30
STORIES	2.5	2
MIN FLOOR AREA (SF)	1400	2520
MAX BLDG COVERAGE (%)	8	2.9
ROAD FRONTAGE (FT)	150	290



VICINITY MAP SCALE: 1" = 700' +\-

STILLWATER PLACE (PER TAX MAP)

"RESERVED FOR FUTURE ROAD" AS PER FILED MAP No. 21232

LOT COVERAGE

	EXISTING	PROPOSED	TOTAL
HOUSE	2,571 SQ. FT.	0 SQ. FT.	2,571 SQ. FT.
RAISED WOOD DECK	765 SQ. FT.	500 SQ. FT.	1,265 SQ. FT.
DRIVEWAY & WALKS	3,824 SQ. FT.	0 SQ. FT.	3,824 SQ. FT.
REAR PATIO (to be removed)	437 SQ. FT.	0 SQ. FT.	-437 SQ. FT.
WALLS & CONCRETE STEPS	145 SQ. FT.	0 SQ. FT.	145 SQ. FT.
POOL & MECHANICALS	0 SQ. FT.	1,400 SQ. FT.	1,400 SQ. FT.
TOTAL GROSS LAND COVERAGE			8,768 SQ. FT.
MAXIMUM PERMITTED GROSS LAND COVERAGE			13,490 SQ. FT.

SOIL EROSION AND SEDIMENT CONTROL NOTES

1. ALL SOIL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE STALLED IN ACCORDANCE WITH THE NEW YORK GUIDELINES FOR EROSION AND SEDIMENT CONTROL (2005), AS PUBLISHED BY THE NEW YORK STATE SOIL AND WATER CONSERVATION SOCIETY AND RECOMMENDED BY THE U.S. DEPARTMENT OF AGRICULTURE – SOIL CONSERVATION SERVICE. (REFERRED TO IN REMAINING TEXT AS "THE NEW YORK GUIDELINES".

2. ANY DISTURBED AREA THAT WILL BE LEFT UNDISTURBED FOR MORE THAN 21 DAYS AND NOT SUBJECT TO CONSTRUCTION TRAFFIC SHALL BE SEED AND MULCHED WITHIN 14 DAYS OF THE LAST DISTURBANCE WITH TEMPORARY SEEDING. IF THE SEASON PREVENTS THE ESTABLISHMENT OF TEMPORARY COVER, THE DISTURBED AREAS SHALL BE MULCHED WITH STRAW OR EQUIVALENT MATERIAL. THE SEEDING SHALL BE DONE IN ACCORDANCE WITH THE NEW YORK GUIDELINES, AS FOLLOWS:

A) SEED: ANNUAL RYE GRASS APPLIED AT A RATE OF 30 LBS/ACRE OTHER SELECT MIXTURE AS DESCRIBED IN THE NEW YORK GUIDELINES.
IF: SPRING, SUMMER OR EARLY FALL SEED WITH RYE GRASS (ANNUAL OR PERENNIAL) AT 30 LBS PER ACRE
IF: LATE FALL OR EARLY WINTER SEED WITH CERTIFIED "ARUOSTOOK" WINTER RYE, AT 100 LBS (CEREAL RYE) PER ACRE.

B) MULCH: OLD HAY OR SMALL GRAIN STRAW APPLIED AT A RATE OF NINETY (90) POUNDS PER ONE THOUSAND SQUARE FT. OR TWO TONS PER ACRE. TO BE APPLIED AND ANCHORED ACCORDING TO THE NEW YORK GUIDELINES. WOOD FIBER HYDROMULCH OR OTHER SPRAYABLE PRODUCTS APPROVED FOR EROSION CONTROL (NYLON WEB OR MESH) MAY BE USED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

C) IN AREAS OF SLOPES STEEPER THAN ONE ON TWO, JUTE MATTING SHALL BE USED TO STABILIZED SEEDED AND / OR PLANTED AREAS. JUTE MATTING SHALL BE INSTALLED AND ANCHORED IN ACCORDANCE WITH THE NEW YORK GUIDELINES.

3. ANY GRADED AREAS NOT SUBJECT TO FURTHER DISTURBANCE OR CONSTRUCTION TRAFFIC SHALL, WITHIN FIVE (5) DAYS AFTER FINAL GRADING, RECEIVE PERMANENT VEGETATIVE COVER IN COMBINATION WITH A SUITABLE MULCH AS FOLLOWS:

A) STEEP SLOPES OR EROSION SLOPES GREATER THAN 2:1 (H:V) REFER TO PERMANENT CRITICAL AREA PLANTING NOTES.
B) RECREATIONAL AREAS AND LAWN REFER TO RECREATIONAL AREA IMPROVEMENT NOTES.

4. SLOPES STEEPER THAN ONE ON THREE SHALL BE STABILIZED IMMEDIATELY AFTER GRADING

5. PAVED ROADWAYS SHALL BE KEPT CLEAR AT ALL TIMES.

6. THE SITE SHALL AT ALL TIMES BE GRADE AND MAINTAIN SUCH THAT ALL STORM WATER RUNOFF IS DIVERTED TO SOIL EROSION AR SEDIMENT CONTROL FACILITIES. EXCEPT FOR MINOR PERIMETER EMBANKMENT AREAS, ALL GRADE AREA SHALL BE DIRECTED THROUGH ONE OF THE SEDIMENTS BARRIERS. DIVERSION SWALES MAY BE USED TO DIRECT DRAINAGE RUNOFF UNTIL PERMANENT STORM DRAINAGE SYSTEM IS IN PLACED.

7. DUST SHALL BE CONTROLLED BY SPRINKLING OR OTHER APPROVED METHODS.

8. STOCKPILES SHALL NOT BE LOCATED WITHIN FIFTY FEET (50') OF ROAD WAYS OR DRAINAGE FACILITIES. THE BASE OF ALL STOCKPILES SHALL BE PROTECTED BY A SILT FENCE, HAY BALES BARRIERS OR A COMBINATION OF BOTH.

9. SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED AND MAINTAINED BY THE CONTRACTOR ON A DAILY BASIS TO ENSURE THAT TEMPORARY AND PERMANENT DITCHES, PIPES AND STRUCTURES ARE CLEAR OF DEBRIS, THAT EMBANKMENTS AND BERMS ARE NOT BREACHED, AND THAT ALL BARRIERS ARE INTACT,

10. MANDATORY STORMWATER INSPECTIONS SHALL BE PERFORMED WEEKLY AND WITHIN 24 HOURS OF ANY PRECIPITATION EVENT PRODUCING MORE THAN 1/2" OF PRECIPITATION OVER AND 24 HOUR PERIOD. INSPECTIONS ARE PERFORMED BY A LICENSED CERTIFIED PROFESSIONAL.

11. ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL FINAL ACCEPTANCE OF THE SITE WORK BY THE OWNER. UPON CERTIFICATION OF FINAL ACCEPTANCE, THE OWNER WILL ASSUME RESPONSIBILITY FOR THE CONTINUED MAINTENANCE OR PERMANENT SOIL EROSION AND SEDIMENTATION CONTROL MEASURES.;

12. ALL DRAINAGE OUTLETS AND INLETS SHALL BE LINED WITH RIP-RAP AS SPECIFIED ON THE PLANS AND/OR PER ENGINEER.

13. THE CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR IMPLEMENTATION OF ALL EROSION AND SEDIMENT CONTROL MEASURES.

NYSDEC FRESHWATER WETLAND BOUNDARY VALIDATION

The freshwater wetland boundary as represented on this map accurately depicts the limits of Freshwater Wetlands "K-28" as delineated by PAUL J. JAEHNIG, Wetlands Consultant on JULY 15, 2020 and field inspected by JOSHUA FISHER, NYSDEC BUREAU OF HABITAT ON AUGUST 14, 2020

DEC Staff: _____ Surveyor / Engineer: _____

Date: 10/29/2020 SEAL

Wetland boundary delineations as validated by the New York State Department of Environmental Conservation remain valid for 5 years **unless** existing exempt activities, area hydrology or land use practices change (e.g., agricultural to residential). **After 5 years the boundary must be revalidated by DEC staff.** Revalidation may include a new delineation and survey of the wetland boundary.

Any proposed construction, grading, filling, excavating, clearing or other regulated activity in the freshwater wetland or within 100 feet of the wetland boundary as depicted on this plan requires a permit from the NYS Department of Environmental Conservation under Article 24 of the Environmental Conservation Law (Freshwater Wetlands Act) prior to commencement of work.

ALTERATION OF THIS DRAWING EXCEPT BY A LICENSED P.E. OR ARCHITECT OR LICENSED LAND SURVEYOR IS ILLEGAL. ANY ALTERATION BY A P.E. OR ARCHITECT OR SURVEYOR MUST BE INDICATED AND BEAR HIS SEAL SIGNATURE AND DATE OF ALTERATION.

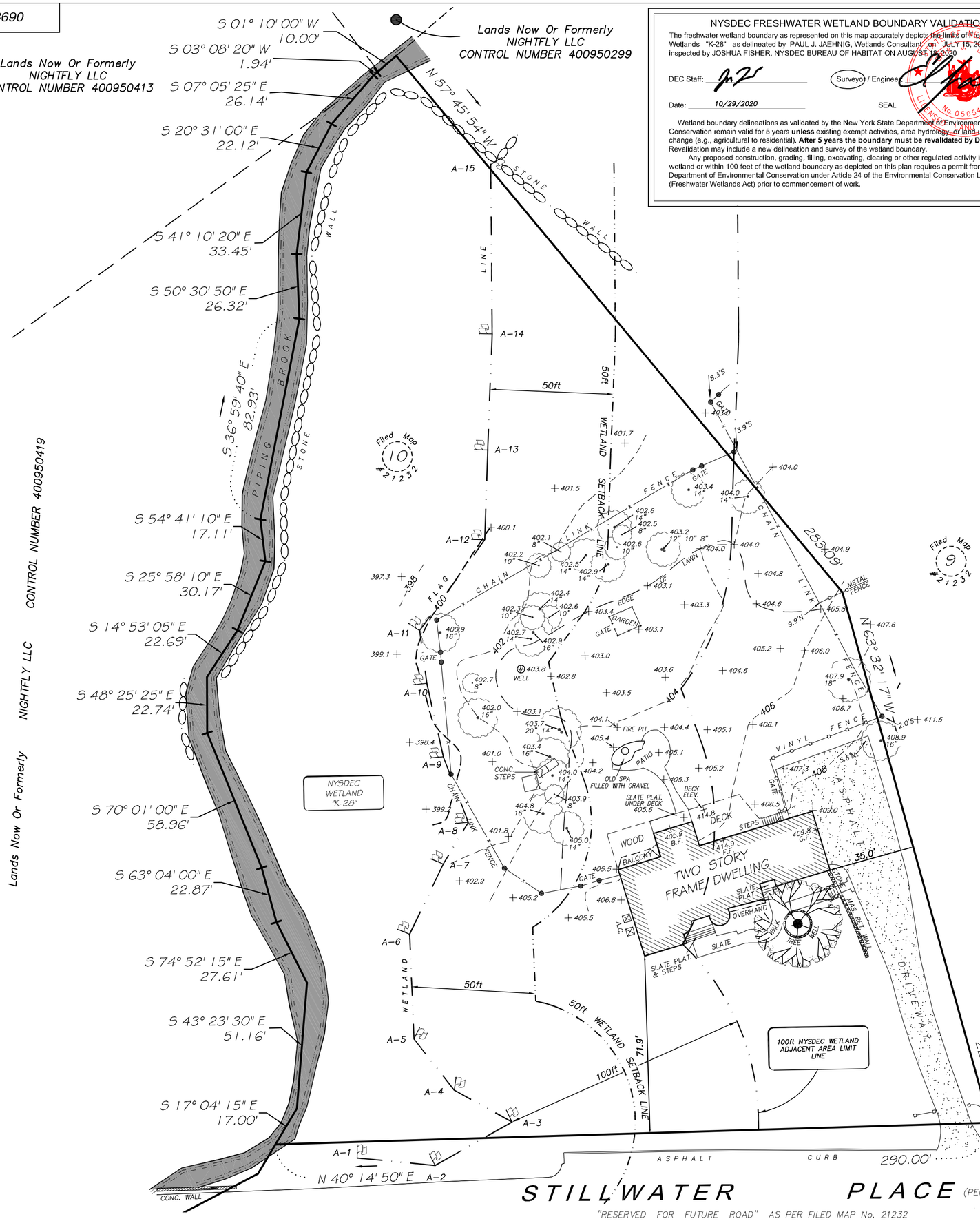
No.	DATE	
1		AREA OF DISTURBANCE NOTE REVISED

JOHN KARELL, JR. P.E.
121 CUSHMAN ROAD
PATTERSON, NEW YORK 12563
845-878-7894 phone
845-878-4935 fax
jack4911@yahoo.com

STATE OF NEW YORK JOHN KARELL JR. No.53277 LICENSED PROFESSIONAL ENGINEER

OWNER:	SCALE:	LATEST REVISION:
ROSS ROSEN & PATRICIA DONOHUE 8 PIPING BROOK LANE BEDFORD, NY 10506	1" = 30'	
	DATED: Dec.10, 2020	SHEET No.
SITE PLAN	TAX MAP: 102.02-2-24	S-1

8690



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DEC Staff: _____ Surveyor / Engineer _____

Date: 10/29/2020 SEAL

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SURVEY OF PROPERTY
SITUATE IN THE
TOWN OF NORTH CASTLE
WESTCHESTER COUNTY
NEW YORK

SCALE: 1" = 30'

SURVEYED: JULY 23, 2020

WETLAND FLAGS LOCATED: AUGUST 20,2020

REVISION ADDED TO SHOW SPA: AUGUST 24, 2020

SURVEY AMENDED TO SHOW WETLAND SETBACK LINES & DEC VALIDATION BOX: SEPTEMBER 11, 2020

SURVEY REVISED FOR PARTIAL TOPOGRAPHIC INFORMATION: NOVEMBER 4, 2020

- THE PREMISES SHOWN HEREON BEING KNOWN AND DESIGNATED AS LOT No. 10 ON A CERTAIN MAP ENTITLED, "SUBDIVISION MAP OF PIPING BROOK MEADOWS, SITUATED IN THE TOWN OF NORTH CASTLE, WESTCHESTER COUNTY, N.Y." MADE BY RALPH L. MACDONALD, DATED NOVEMBER 15, 1982 AND FILED IN THE WESTCHESTER COUNTY CLERK'S OFFICE, DIVISION OF LAND RECORDS ON JUNE 14, 1983 AS FILED MAP No.21232
- PREMISES ARE DESIGNATED ON THE TAX MAPS FOR THE TOWN OF NORTH CASTLE
  SECTION: 102.02 BLOCK: 2 LOT: 24
  STREET ADDRESS: 2 STILLWATER PLACE
  PROPERTY AREA: 87,140 Sq.Ft. - 2.0005 ACRES
- THIS MAP IS BASED UPON THE INFORMATION SUPPLIED BY THE CLIENT AND/OR HIS REPRESENTATIVE AND SUBJECT TO THE FINDINGS THAT A COMPLETE ABSTRACT OF TITLE MAY UNCOVER
- THE OFFSETS SHOWN HEREON ARE NOT INTENDED TO ESTABLISH PROPERTY LINES FOR THE ERECTION OF FENCES, STRUCTURES OR ANY OTHER IMPROVEMENTS.
- ENCROACHMENTS BELOW GRADE AND/OR SUBSURFACE FEATURES, IF ANY, NOT LOCATED OR SHOWN HEREON.
- UNAUTHORIZED ALTERATION OR ADDITION TO A SURVEY MAP BEARING A LICENSED LAND SURVEYOR'S SEAL IS A VIOLATION OF SECTION 7209, SUBDIVISION 2, OF THE NEW YORK STATE EDUCATION LAWS.
- THE INFORMATION DEPICTED HEREON IS BASED UPON AN ACTUAL FIELD SURVEY AND IS AN OPINION BASED UPON SAID SURVEY. VARIATIONS IN OFFSETS FROM THAT OF THE OTHERS CAN AND MAY EXIST.
- ONLY COPIES FROM THE ORIGINAL OF THIS SURVEY MARKED WITH AN ORIGINAL OF THE LAND SURVEYOR'S SEAL SHALL BE CONSIDERED TO BE TRUE VALID COPIES.
- WETLAND FLAG DELINEATION SUPPLIED BY PAUL J. JAEHNIG - WETLAND AND SOILS CONSULTING
- THE ELEVATIONS SHOWN HEREON ARE IN THE "NAVD 88", (NORTH AMERICAN VERTICAL DATUM 1988).
- THIS MAP WAS PREPARED FROM AN ACTUAL FIELD SURVEY CONDUCTED ON THE DATE SHOWN AND THAT SAID SURVEY WAS PERFORMED IN ACCORDANCE WITH THE EXISTING " CODE OF PRACTICE FOR LAND SURVEYS " ADOPTED BY THE NEW YORK STATE ASSOCIATION OF PROFESSIONAL LAND SURVEYORS.

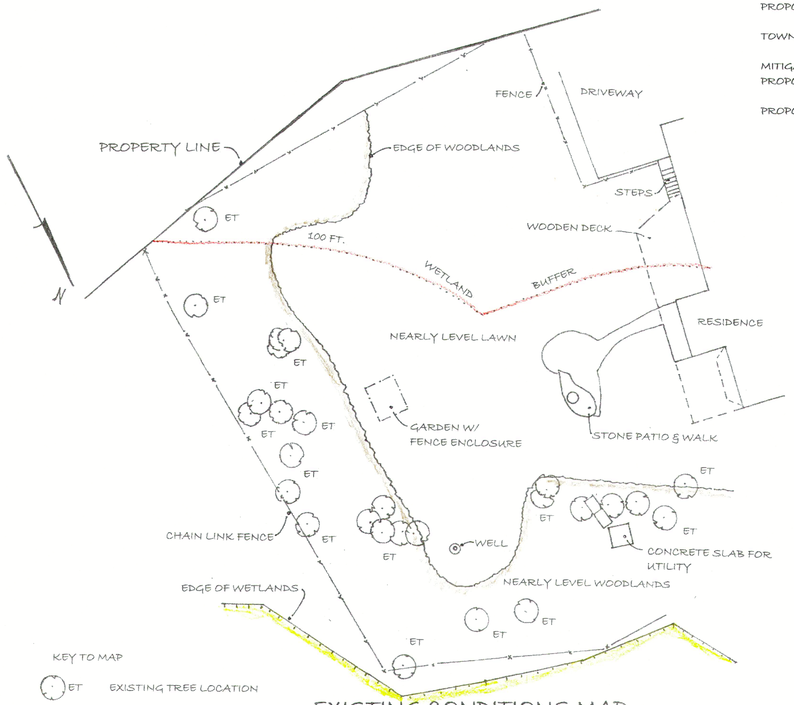
PREPARED FOR: PATRICIA DONOHUE

Link
Land Surveyors P.C.
21 Clark Place, Suite 1-B Phone 845-628-5857
Mahopac N.Y. 10541 Fax 845-621-0013

ERIK J. LINK
NEW YORK STATE LICENSED
LAND SURVEYOR NO. 050542

PROPOSED MITIGATION PLANTING PLAN

MAP SCALE: 1 INCH = 20 FT.



EXISTING CONDITIONS MAP

MAP SCALE: 1 INCH = 20 FT.

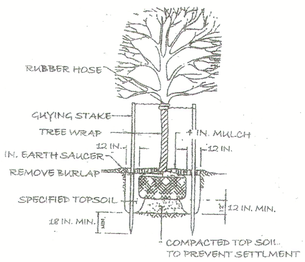
DISTURBANCE / MITIGATION TABLE:

TOWN REGULATED WETLAND BUFFER
PERMANENT DISTURBANCE ASSOCIATED WITH
PROPOSED IN-GROUND SWIMMING POOL W/ PATIO:..... 1,105 SQ. FT.

TOWN REGULATED TREES TO BE REMOVED: 2

MITIGATION PLANTING AREA REQUIRED FOR
PROPOSED IN-GROUND SWIMMING POOL W/ PATIO:.....2,210 SQ. FT.

PROPOSED MITIGATION PLANTING AREA TO BE PROVIDED:.....2,212 SQ. FT.



DECIDUOUS TREE

TREE & SHRUB PLANTING DETAIL
N.T.S.

KEY TO PROPOSED MITIGATION PLANTING PLAN

PLAN LOCATION	COMMON NAME	BOTANICAL NAME	FORM	SIZE	QUANT.
TREES: 4					
GB	GRAY BIRCH	BETULA POPULIFOLIA	B & B *	2 IN. **	2
YB	YELLOW BIRCH	BETULA ALLEGHANIENSIS	B & B*	2 IN.**	2

* B & B - BALLED AND BURLAPPED
** TRUNK DIAMETER IN INCHES AT BREAST HEIGHT

SHRUBS: 15					
BYB	NORTHERN BAYBERRY	MYRICA PENSYLVANICA	2 GAL. CONT.	24-30 IN. HT.	15
HERBACEOUS: 185					
BES	BLACK-EYED SUSAN	RUDBECKIA HIRTA	1 QUART CONT.	N/A	20
CF	CUT-LEAVED CONEFLOWER	RUDBECKIA LACINIATA	1 QUART CONT.	N/A	20
CHR	CHRISTMAS FERN	POLYSTICHUM ACROSTICHOIDES	1 QUART CONT.	N/A	45
CPLX	CREEPING PHLOX	PHLOX STOLONIFERA	1 QUART CONT.	N/A	20
GG	GREEN-AND-AND GOLD	CHRYSOGONUM VIRIGINIANUM	1 QUART CONT.	N/A	20
HSF	HAY-SCENTED FERN	DENNSTAEDTIA PUNCTILOBUTA	1 QUART CONT.	N/A	40
JPW	JOE-PYE WEED	EUPATORIUM PERFOLIATUM	1 QUART CONT.	N/A	20

WFM NORTHEAST UPLAND NATIVE / NATURALIZED WILDFLOWER MIX
NON-WETLAND AREAS
APPLICATION RATE OF 1 LB. / 1,300 SQ. FT. or 23 LBS. / ACRE
COMPOSED OF:
GRASS PORTION (65 %)

SHEEP FESCUE	FESTUCA OVINA
SWITCHGRASS	PANICUM VIRGATUM
FOXTAIL MILLET	SETARIA ITALICA
SWEET VERNAL GRASS	ANTHOXANTHUM ODORATUM
ANNUAL RYEGRASS	LOLIUM MULTIFLORUM
WILD RYE	ELYMUS CANADENSIS

WILDFLOWER PORTION (35 %)

COMMON YARROW	ACHILLEA MILLEFOLIUM
BLACK-EYED SUSAN	RUDBECKIA HIRTA
OX-EYE DAISY	CHRYSANTHEMUM LEUCANTHEM
BLUE VERVAIN	VERBANA HASTATA
CICHORY	CICHORIUM INTYBUS
BIRDSFOOT TREFOIL	LOTUS CORNICULATUS
DAME'S ROCKET	HESPERIS MATRONALIS
QUEEN ANNE'S LACE	DAUCUS CAROTA
CANADA GOLDENROD	SOLIDAGO CANADENSIS
GRASS LEAF GOLDENROD	EUTHAMIA GRAMINIFOLIA
WILD BERGAMOT	MONARDA FISTULOSA
N.E. ASTER	ASTER NOVAE-ANGLIAE
COMMON MILKWEED	ASCELEPIAS SYRIACA

GENERAL MAINTENANCE SCHEDULE FOR PLANTING MITIGATION AREA.

1.PERIODICALLY INSPECT PLANTING AREAS TO SELECTIVELY REMOVE, BY HAND, UN-WANTED INVASIVE PLANTS (WEEDS).

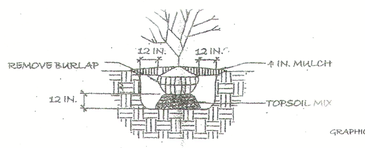
2.SELECTIVELY WEED-WACK REMAINING LAWN AREA WITHIN PLANTING MITIGATION AREA, AS NEEDED, SO AS TO REMOVE ANY UN-WANTED WEED GROWTH (WEEDS) OVER PERIOD OF NEXT 2-3 YEARS. THIS SHOULD BE LIMITED TO TWICE A YEAR OR SO THAT LAWN DOES NOT GROW HIGHER THAN 10 INCHES.

3.REMOVAL OF LEAF LITTER SHOULD BE LIMITED TO HAND CLEARING OF SEEDED AND PLANTED AREAS.

PROPOSED MONITORING PROGRAM FOR PLANTING MITIGATION AREA:

1.PROPERTY OWNER WILL ENGAGE, AT THEIR EXPENSE, AN ENVIRONMENTAL CONSULTANT, APPROVED BY TOWN AND PROPERTY OWNER, TO PREPARE AN ANNUAL MONITORING REPORT, WITH PHOTO-DOCUMENTATION, OF THE PLANTING MITIGATION AREA FOR A PERIOD MUTUALLY AGREED UPON BY THE TOWN AND PROPERTY OWNER.

2. FURTHERMORE, AT THE FIVE YEAR PERIOD SHOULD LESS THAN 85 % OF PLANTINGS INSTALLED REMAIN, THE PROPERTY OWNER IS TO REPLACE DEAD PLANTINGS IN KIND TO ACHIEVE A MINIMUM OF 85% OF PLANT STOCK.



SHRUB

GRAPHIC SCALE:
0 20 FT.

SPECIAL USE PERMIT APPROVED BY THE TOWN OF NORTH CASTLE PLANNING BOARD RESOLUTION DATED:

_____ DATE:_____
CHRISTOPHER CARTHY, CHAIRMAN
TOWN OF NORTH CASTLE PLANNING BOARD

GENERAL NOTES RELATED TO PREPARATION SEED BEDS IN MITIGATION AREA:

1.REMOVE EXISTING LAWN IN PLANTING MITIGATION AREA BY MECHANICAL METHODS ONLY AND NOT CHEMICAL METHODS. APPLY A TARP OR EQUIVALENT COVER TO KILL OFF LAWN AREA, IF DESIRED, IN ORDER TO FACILITATE REMOVAL OF LAWN.

2.RAKE SMOOTH DISTURBED BARE SOILS AREAS, MAKING THEM FREE OF RUTS, ROOTS, AND MAN-MADE DEBRIS.

3.APPLY, IF NEEDED, A 4 TO 6 IN. COVER OF TOP-SOIL TO AMEND THE SOIL FOR SEEDING.

4. APPLY SEED MIX, BY HAND, OVER SOIL SURFACE AND IN A UNIFORM APPLICATION RATE. FINE RAKE SEED APPROX. 1/4 IN. DEPTH INTO THE SOIL SURFACE.

5. APPLY A THIN COVER OF STRAW MULCH OVER THE SEEDED SOIL SURFACE. LIGHTLY PUNCH MULCH INTO THE SOIL IN ORDER TO ANCHOR IT.

6. GENTLY WATER SEEDED AREAS THE DAY OF SEEDING TO INSURE A GOOD SOAKING.

7.ROUTINELY WATER THE SEEDED AREAS, AS NEEDED, UNTIL THE VEGETATIVE COVER IS FIRMLY ESTABLISHED.

GENERAL PLANTING NOTES:

1.VERIFY ANY BURIED UTILITIES.

2. PLANTING TO BE CARRIED-OUT BETWEEN APRIL 15 TO JUNE 1 AND AUG. 15 TO NOV.1 (UNLESS OTHERWISE PERMITTED BY THE TOWN OF NORTH CASTLE WETLAND INSPECTOR.

3..PLANTS ARE TO BE INSTALLED AS DEPICTED ON THE PLAN, AS IS FEASIBLE.

4..PLANT HOLES AND GROUND PREPARATION TO BE CARRIED-OUT AS DEPICTED IN DETAILS. HOLES FOR PLANTINGS SHOULD BE EXCAVATED TO AT LEAST 4 INCHES CLEARANCE AROUND THE SOIL BALL AND BELOW ROOT SYSTEM. THE SOIL IN THE BOTTOM OF THE HOLE SHALL BE LOOSENED TO A DEPTH OF 4 INCHES.

5.THE PLANTS WILL BE PLACED IN AN UPRIGHT POSITION IN THE HOLES ON A PEDESTAL OF COMPACTED TOPSOIL MIX TO A DEPTH SUCH THAT THE ROOT "COLLAR" IS COINCIDENT WITH THE ESTABLISHED GROUND LEVEL.

6.EACH HOLE WILL BE BACKFILLED WITH TOP SOIL HAVING A TWO TO TWENTY PERCENT ORGANIC CONTENT. INSTALL TEMPORARY DEER FENCING AROUND YOUNG SHRUBS BASED ON SITE CONDITONS.

7. REMOVE EXISTING LAWN BY STRIPPING-OFF OR BY KILLING-OFF WITH PLACED SHEET COVER IN AREAS OF WETLAND LAWN PROPOSED FOR SEED APPLICATION. FINE RAKE EXPOSED SOIL TO LOOSEN TOP FEW INCHES. AMEND WITH TOP SOIL IF WARRANTED.

8. APPLY SEED GROUNDCOVER TO BARE SOIL AREAS. WORK SEEDS INTO TOP SOIL. APPLY THIN COVER OF WEED-FREE STRAW MULCH COVER OVER SEEDED AREAS. ROLL AREAS WITH APPLIED SEED MIX.

9.ALL PLANTS WILL BE THOROUGHLY WATERED ON THE DAY OF PLANTING, AS IS WARRANTED.

10. WATER PLANTS DAILY FOR TWO WEEKS AFTER PLANTING, IF NEEDED. CONTINUE WATERING PLANTS EVERY TWO WEEKS, IF NEEDED, DURING DRY PERIODS THAT EXCEED THREE WEEKS WITHOUT A GOOD SOAKING.

11. ALL AREAS DISTURBED BY PLANTING MITIGATION WORK, INCLUDING ACCESS ROUTE, WILL BE RESTORED TO EXISTING OR BETTER CONDITIONS.

12.NOTIFY TOWN OF NORTH CASTLE WETLAND INSPECTOR ONCE PLANTINGS ARE INSTALLED SO THAT THE TOWN CAN MAKE A SITE VISIT TO INSPECT THE WORK.

13. THE OWNER GUARANTEES A MINIMUM OF 85% SURVIVAL OF THE NUMBER OF INSTALLED WOODY PLANTINGS TO A TIME OF 5 YEARS FOLLOWING DATE OF INSTALLATION OF WOODY PLANTS.

GENERAL NOTES TO MAP & PLAN

1. WETLAND BOUNDARY DELINEATED BY PAUL J. JAEHNIG WETLANDS AND SOILS CONSULTING.
2. SURVEY LOCATION OF WETLAND BOUNDARY, LOCATION OF PROPERTY LINE, RESIDENCE, FENCES, EDGE OF LAWN, SELECTED TREES IN WOODLANDS, DRIVEWAY, AND WELL FROM LINK LAND SURVEYING.
3. PROPOSED IN-GROUND SWIMMING POOL AND PATIO FROM SITE PLAN OF JOHN KARRELL, P.E.
4. PLANTING MITIGATION PLAN PREPARED BY PAUL J. JAEHNIG- WETLANDS AND SOILS CONSULTING.

PROPOSED PLANTING MITIGATION PLAN & EXISTING CONDITIONS MAP

THE DONAHUE - ROSEN SITE

8 PIPING BROOK ROAD
NORTH CASTLE, NY

PREPARED FOR
PATRICIA DONAHUE & ROSS ROSEN

MAP & PLAN SCALES: 1 IN. = 20 FT.

LATEST REVISION

DATE: JAN. 28, 2021

SHEET NO. MP-1

PREPARED BY
PAUL J. JAEHNIG -WETLANDS AND SOILS CONSULTING
P.O. BOX 1071 RIDGEFIELD, CT 06877 TEL. 203 438 9393

TAX MAP ID. 102.02-2-24

JOHN KARELL, JR., P.E.
121 CUSHMAN ROAD
PATTERSON, NEW YORK, 12563
845-878-7894 FAX 845 878 4939
jack4911@yahoo.com

STORMWATER POLLUTION PREVENTION PLAN
EROSION AND SEDIMENT CONTROL

ROSS ROSEN AND PATRICIA DONAHUE
8 PIPING BROOK LANE
NORTH CASTLE (T)

January 13, 2021

I. INTRODUCTION

1.1. Project background

The project site contains an existing single family house located at 8 Piping Brook Lane in the Town of North Castle, Westchester County, New York. The property is identified as tax map #.102.2-2-24

Site Description

The site is 2.0 acres in size. The proposed swimming pool and deck construction will result in an increase in impervious area of 500 square feet and 0.13 acres (5,800 square feet) of total disturbance.

1.2. SWPPP Overview

It is proposed to construct an in ground swimming pool that will be 900 square feet in size and a 500 square feet of deck. The existing house will continue to be served by a drilled well and septic system. The purpose of this report is to address Storm Water Pollution Prevention and Management for the proposed improvements.

In accordance with the Code of the Town of North Castle and NYSDEC SPDES General Permit for Storm Water Discharges from Construction Activities, General Permit GP-0-20-001, because the proposed disturbance for the project does not exceed one acre, coverage under the General Permit is not required, nor is a Notice of Intent (NOI) to be filed. A storm water pollution prevention plan is required for this project.

Construction will begin immediately after receiving approval from the Town of North Castle Planning Department of a SWPPP in accordance with the provisions of the Town Code.

II. EXISTING SITE CONDITIONS

2.0 General

The existing property contains an existing single family house. The lot is located on the east side of Piping Brook Lane in the Town of North Castle .

Generally the topography on the site flows from west to east. The subject property is located in the Mianus River Drainage Basin not in the NYC EOH Watershed.

2.1 Surface Water

State Wetland K-28 exists on the property along with a 100 foot adjacent wetland area. .

2.2 Soils

2.1.1. Hydrologic Soils/NRCS Web Soils Survey

Soils on the entire property are classified by the United States Department of Agriculture Soil Conservation Service as Leicester Loam (LcA) soil group C, in the area of disturbance, other areas of the site include Paxton Fine Sandy Loam (PnC)(PnB) also soil group C and Catden Much (Ce), soil group D, from the Web Soil Survey.

The pre developed site consists of lawn in good condition.

2.1.2. Site Geotechnical Evaluation

Review of the soil characteristics indicates a general rock and groundwater depth of greater than 7.feet.

2.3. Groundwater

Groundwater is greater than 7 feet below grade.

2.4. Natural Resources

Natural resources contained on the site is the woodland area. The woodland will not be removed for the construction of the swimming pool .

2.5. New York State Register of Historic Places Assessment

There are no Historic places on this property.

2.6. Critical Habitat

There are no critical habitats on this property.

2.7. Offsite Drainage

No changes in drainage patterns are proposed.

2.8 Pre-construction Drainage Areas

The property drains to the east to the Mianus River. No changes to pre construction runoff patterns will result from the construction of this project.

2.9 Potential sources of pollution

Potential sources of pollution which may be reasonably expected to affect the quality of stormwater discharges.

- Sediment – all disturbed areas will be stabilized

III. Stormwater Management, Treatment and Conveyance

A. Storm water treatment is not required. Management of stormwater from this property will be discharging deck drainage to adjacent lawn areas.

B The Town of North Castle requires a 6 inch drawdown for winterizing the swimming pool discharging to an infiltration practice.

IV. Stormwater Management

Treatment of stormwater is not required.

V. Erosion and Sediment Control

A. Temporary Erosion and Sediment Control Measures

1. Temporary erosion and sediment control measures in the design of this project are silt fence. The contractor will be responsible for daily sediment cleanup on the driveway, if any. Silt fence are proposed to be installed along the downslope of all areas of disturbance as shown on the site plan, or as determined to be necessary during construction.

2. Runoff will be controlled within the project area. Bare soil areas, disturbed areas, will be seeded and mulched to control possible erosion and slow the velocity of runoff. Such activities shall be initiated by the end of the next business day and completed within 7 days from the date the current soil disturbance activity ceased.

3. Initial grading shall take place to install the sediment control measures. Soil stockpiles shall be stabilized away from any drainage structures or natural drainage paths. Once final grading has been achieved in any area that area shall be seeded and mulched and not redisturbed again.

4. Soil stockpiles must be protected with seeding and/or mulching as soon as possible but no longer than 7 days after ceasing activity. (see item # 2 above)

5. Measures must be in place prior to disturbance of a particular area in order to prevent sediment from traveling off site. This is accomplished on this site by the proper installation of silt fence.

6. Dust shall be controlled to keep the amount of particles/sediment generation by construction activity to a minimum. This will be accomplished by seeding and mulching of disturbed areas and wetting areas prone to airborne dust.

7. All temporary and permanent sediment and erosion control measures must be checked on a weekly basis for functionality and stability. This includes the silt fencing only. Any bare spots

in areas previously seeded will be reseeded and remulched as soon as necessary. In areas where soil erosion and sedimentation is found to be a problem and measures are not in place, appropriate measures must be installed as required by the supervising engineer.

8. Final grading shall match approximately the cut and fill lines as shown on the plans. This must be accomplished within 7 days of the end of the construction activity unless otherwise specified under the Town or DEC permits. (see item # 2 above)

9. Temporary measures shall not be removed until all disturbed areas protected by such measures are fully and properly stabilized.

10. Permanent non structural measures to remain in place are re-established areas of grass and landscaping within the non impervious areas.

11. Pollution prevention measures that will be utilized to prevent construction debris from becoming a pollutant source include:
…Litter control – refuse containers will be provided on the site for the deposition of any debris. The contractor shall police the site at the end of each day, collect litter and deposit litter in the refuse containers.
…Construction chemicals – all construction chemicals including but not limited to equipment fuels and oils and cleaning solvents shall be stored in appropriate containers and within a locked facility overnight.

Any spills of construction chemicals will be immediately cleaned up in accordance with appropriate procedures.

Any significant spill will be immediately reported to the NYSDEC pursuant to State Regulations, procedures and requirements.
…Construction debris will be collected and placed in roll off containers and disposed off site in at an appropriate disposal facility. (Part III.B.1.j)

B. Permanent Erosion Control Measures

1. Permanent erosion control measures employed in the design of the project include stabilization of all disturbed areas with grass and infiltrators.

VI. Inspection & Maintenance of Stormwater and Erosion Control Measures

A. Inspection and Reporting Requirements

All erosion control measures are to be inspected weekly. In the case of a rain event, measures must be checked immediately after. Inspections shall be made by a qualified professional and reports will be kept on site in a dedicated mailbox labeled, "Stormwater Documents".

B. Responsibilities

The project contractor and/or subcontactors shall be responsible to install, construct, repair, replace, inspect and maintain the temporary erosion and sediment control practices included in the SWPPP. The project contractor/subcontractor shall be responsible for constructing the post construction storm water management practices included in the SWPPP. Such measures will be maintained by the project contractor/subcontractor during the entire construction period.

The site contractor is to have 4 hours of NYSDEC endorsed erosion and sediment control training.

Permanent measures will be maintained by the owner of the property.
(Part III.A.6) (Part IV)

Developer:

Patricia Donahue
8 Piping Brook Lane
Bedford, NY, 10504

Owner/ Applicant
Same as developer

The *owner or operator* shall have each of the contractors and subcontractors identify at least one person from their company that will be responsible for implementation of the SWPPP. This person shall be known as the *trained contractor*. The *owner or operator* shall ensure that at least one *trained contractor* is on site on a daily basis when soil disturbance activities are being performed.

The *owner or operator* shall have each of the contractors and subcontractors identified above sign a copy of the following certification statement below before they commence any *construction activity*:

"I hereby certify that I understand and agree to comply with the terms and conditions of the SWPPP and agree to implement any corrective actions identified by the *qualified inspector* during a site inspection. I also understand that the *owner or operator* must comply with the terms and conditions of the most current version of the New York State Pollutant Discharge Elimination System ("SPDES") general permit for storm water discharges from construction activities and that it is unlawful for any person to cause or contribute to a violation of water quality standards. Furthermore, I 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. "

In addition to providing the certification statement above, the certification page must also identify the specific elements of the SWPPP that each contractor and subcontractor will be responsible for and include the name and title of the person providing the signature; the name and title of the *trained contractor* responsible for SWPPP implementation; the name, address and telephone number of the contracting firm; the address (or other identifying description) of the site; and the date the certification statement is signed.

The *owner or operator* shall attach the certification statement(s) to the copy of the SWPPP that is maintained at the construction site. If new or additional contractors are hired to implement measures identified in the SWPPP after construction has commenced, they must also sign the certification statement and provide the information listed above.

C. Temporary Measures

1. Construction Entrance(s)

The construction entrances shall be maintained in a condition which will prevent tracking or flowing of sediment onto the public right of way. This will require, sweeping and washing the driveway surfaces, periodic top dressing with addition stone or additional length as conditions demand based on daily inspections and repair and/or clean out of any measures used to trap sediment. All sediment spilled, dropped, washed or tracked onto public rights of way must be immediately removed.

2. Silt Fence

Silt fence is proposed down gradient from all disturbed areas proposed on the site. Silt fence is used to collect the transported sediment load due to runoff and to slow said runoff, in an effort to prevent erosion. The silt fence is a temporary barrier of geotextile fabric supported by fence posts at a 10 foot maximum interval.

Sediments shall be removed from behind the fence when it becomes 0.5 feet deep at the fence. It should also be inspected regularly, at least once a week and repaired as needed to maintain a barrier.

D. Permanent Measures

1. Permanent vegetation

All grassed areas shall be maintained to provide a vegetative cover to hold soils in place.

2. HDPE Pipe

Maintenance need is fairly low for HDPE pipe. Inspection shall be carried out after major storm events or once every year. If pipe is clogged or damage, repair must be made immediately.

3. Infiltration Chambers

In accordance with the manufacturers recommended inspection and maintenance procedures, the infiltration chambers shall be inspected annually to determine the depth of solids accumulated therein. When the depth of solids exceeds 3 inches in the chambers the solids shall be removed.

VII. General Requirements for Owners or Operators with Permit Coverage (not applicable)

A. The *owner or operator* shall maintain a copy of the General Permit (GP-0-20-001), NOI, *NOI Acknowledgment Letter*, SWPPP, MS4 SWPPP Acceptance form and inspection reports at the construction site until all disturbed areas have achieved *final stabilization* and the NOT has been submitted to the Department.

The documents must be maintained in a secure location, such as a job trailer, on-site construction office, or mailbox with lock. The secure location must be accessible during normal business hours to an individual performing a compliance inspection. (Part II.B.C.2)

B. For *construction activities* that are subject to the requirements of a *regulated, traditional land use control MS4,* the *owner or operator* shall notify the *MS4* in writing of any planned amendments or modifications to the post-construction stormwater management practice component of the SWPPP required by Part III.A. 4. and 5. of this permit. Unless otherwise notified by the *MS4,* the *owner or operator* shall have the SWPPP amendments or modifications reviewed and accepted by the *MS4* prior to commencing construction of the post-construction stormwater management practice. (Part II.C.5)

C. For *construction activities* that are subject to the requirements of a *regulated, traditional land use control MS4* and meet subdivision 2a. or 2b. of this Part, the *owner or operator* shall also have the MS4 sign the "MS4 Acceptance"

statement on the NOT. The *owner or operator* shall have the principal executive officer, ranking elected official, or duly authorized representative from the *regulated, traditional land use control MS4*, sign the "MS4 Acceptance" statement. The MS4 official, by signing this statement, has determined that it is acceptable for the *owner or operator* to submit the NOT in accordance with the requirements of this Part. The MS4 can make this determination by performing a final site inspection themselves or by accepting the *qualified inspector's* final site inspection certification(s) required in Part V.3. (Part V.A.4)

D. Within 10 days after the installation of all erosion control plan measures, the applicant shall submit to the Building Inspector a letter from the qualified professional who designed the plan for Patricia Donahue stating that all erosion control measures have been constructed and installed in compliance with the approved plans.

E. Various certifications are required to be completed as follows:

1. SWPPP Modification Summary Sheet
2. SWPPP Preparer Certification
3. Contractor and Sub-contractor Certification

These documents are appended to this SWPPP.

VIII. Conclusions

In conclusion, the proposed project shall not result in any negative impact to existing hydrologic condition at the vicinity of the property. The design of all storm water management practices meets the requirements of the Town of the North Castle. .

ROSEN & DONAHUE DRAINAGE STUDY
8 Piping Brook Lane, North Castle (T)

25 Year Design Storm 6.0 in.
25 year Impervious C Factor CN 98 = 5.7
25 Year Existing C Factor (good lawn) CN 74 = 3.3

Soil Type Leicester Loam (LcA)
Hydrologic Group C
Rock Depth > 7 feet
Water Depth > 7 feet

PROPOSED IMPERVIOUS DECK AREA

Pool Deck 500 square feet

IMPERVIOUS C FACTOR LESS EXISTING C FACTOR

CN_A = CN 98 - CN 74 = 5.7-3.3 = 2.4

INCREASED RUNOFF FROM PROPOSED DECK IMPERVIOUS

DECK $R_I = CN_A (A_I)$ = 2.4(500 SF) / 12= 100 CF

STORMTECH 740 INFILTRATION SYSTEM DESIGN

POOL DRAWDOWN CALCULATION

20 FT X 45 FT X 6 IN DEEP = 450 CUBIC FEET

STORMTECH CHAMBER DESIGN VOLUME
75 CUBIC FEET

It is proposed to utilize six (6) Storm Tech 740 units with a total capacity of.450 cubic feet to store and infiltrate a 6 inch pool for winter drawdown

Paul J. Jaehnig ***Wetlands and Soils Consulting***

Wetlands Survey

The Donahue Site

8 Piping Brook Lane
Tax ID 102.02 – 2 - 24

North Castle, NY

Approx. 2.0 -Acres total

Prepared for
Patricia Donahue

July 15, 2020

20donahue.8pipingbrooklane.northcastlewlrep

Wetlands Survey

The Donahue Site

8 Piping Brook Lane
Tax ID 102.02 – 2 - 24

North Castle, NY

Approx. 2.0 -Acres total

Prepared for
Patricia Donahue

July 15, 2020

20donahue.8pipingbrooklane.northcastlewlrep

P.O. Box 1071 *Ridgefield, CT 06877* *tel. (203) 438-9993*

Introduction

A wetland investigation was completed on property identified as 8 Piping Brook Lane in the Town of North Castle on July 15, 2020 by Paul J. Jaehnig, Certified Professional Geologist, Soil Scientist, and Wetland Scientist. The work consisted of the taking of soil borings to identify the presence of wetland or hydric soils, and the marking or flagging of the wetlands boundary. The work was conducted in accordance with the Town of North Castle Wetland Law. The work was done at the request of the client and property owner Patricia Donahue.

Site Description

The site is an irregularly-shaped property situated off of Piping Brook Lane. The site is located in a very low-density residential area where residences are commonly screened from neighbors by large woodland buffers. The site consists of: a residence; surrounding lawn; woodlands; and wetlands (see enclosed *Wetland and Soils Map* and *photos 1-6* in Appendix I).

Slopes across the site vary from nearly level to gently sloping. Most of the site is very gently sloped. The overall direction of slope is down to the east-northeast. The western and southwestern portions of the site have topography modified by past man-made disturbances, including machine grading of soil. These past disturbances have been carried out in the course of developing the site.

A paved driveway comes into the western corner of the site from off of the end of Piping Brook Road, near where Stillwater Place begins. The driveway continues southeast along the southwest edge of the site, terminating alongside the southwest side of the residence (see *photo 2* in Appendix I). The residence is located on the western-central portion of the site (see *photos 2 & 3* in Appendix I.

Lawn area covers the western, central, and southwestern portions of the site. There is small fieldstone patio located on the lawn area just behind the residence.

Non-wetland woodland are on the northwest and southeast portions of the site, as well as, some of the central portion of the site (see *photo 4* in Appendix I). Woodlands have a shady tree canopy of tall red maple, tulip, and black birch. The shrub understory is open except for a few barberry shrubs and winged euonymus growing near the woodland edges. A few Christmas ferns and Japanese stilt grass comprise the herbaceous growth. Twig and leaf litter covers the woodland floor.

Wetlands

Introduction

The wetlands boundary was flagged in the field with consecutively numbered flagging (WL-A-1, WL-A-2, etc.) and plotted on the enclosed *Wetland and Soils Map.* Wetlands cover the northern, northeast, and eastern edges of the site. Wetlands consist of nearly level to very gently sloped, poorly drained and very poorly drained swamplands with an associated watercourse locally known as "Piping Brook".

Wetland Area WL-"A"

Swampland

Wetland WL-"A" is a large and level swampland occupying the northern, northeastern, and eastern edges of the site (see *photo 5* in Appendix I). The wetland extends to the north and east beyond the site. The outer portion of the wetland is very gently sloped and poorly drained. There is no micro-topography on the outer portions of the wetland. More interior portions of the wetland is very poorly drained and has good micro-topography development. Wetlands have shallow ponded water near the northern and eastern edges of the site. Stillman Place, which comes off of Piping Brook Lane, segments this swampland area from a large swampland area to the northwest of the site. These two swampland areas were contiguous prior to the installation of the raised roadbed of Stillman Place. The two swamplands are hydrologically connected by Piping Brook, which is piped southeast under Stillman Place and along the Donahue site property line.

The swampland has a vegetative cover consisting of: a tree canopy of Red Maples with buttressed and very shallow roots ; thin shrub understory of Spicebush, few High-bush Blueberry, and Winterberry; and lush herbaceous cover of Skunk Cabbage, large Tussock Sedge, Cinnamon Fern, Royal Fern, Sensitive Fern, Nettle, and Soft Rush. Sphagnum Moss covers many slight convex portions of the wetland floor.

Piping Brook

Piping Brook is piped southeast under Stillman Place, from a large level swampland area, and continues southeast following the northern and eastern property line of the site (see *photo 6* in Appendix I). The watercourse meanders along the property line. The channel of the watercourse is approx. 10 to 15 ft. and 2 to 3 ft. deep, carrying approx. 1.5 to 2.0 ft. deep water. Flow is almost laminar. The gradient of the watercourse is nearly flat. A few crescent-shaped areas with shallow ponded water adjacent to the active watercourse are abandoned channel meanders. Some swampland in close proximity to the watercourse may be subject to inundation at wetter times of the year. The watercourse continues southeast through the swampland and beyond the site.

Wetland Functions

Wetland WL-"A" provides the following functions: large local groundwater recharge area function because of level and concave profile, and well developed micro-topography development. The wetland provides important water quality and storm-water control function because of its large level, micro-topography, and lush vegetative cover. Numerous opportunities are provided in the drier outer portions of the swampland for habitat and browsing by Deer, Raccoon, Coyote, Squirrel, and small songbirds. Butterflies, green frogs, spring peeper, and bird populations will utilize core portions of the wetland, particularly near Piping Brook. The large swampland is part of a large wetland corridor used by the wildlife population to travel from one wetland system to another.

Piping Brook functions an important local conveyance channel bringing concentrated drainage to lower elevation points within the watershed. This section of the brook does not appear to support a fish population or waterfowl, but would be ideal for snapping turtles to utilize.

Regional Drainage

Drainage from the site is directed southeast and south along Piping Brook and into Stamford CT. Piping Brook continues south and then turns southeast and to Mianus Reservoir. Mianus Reservoir drainage ultimately goes to Long Island Sound (see *Regional Drainage Map* in Appendix II).

NYSDEC Jurisdiction

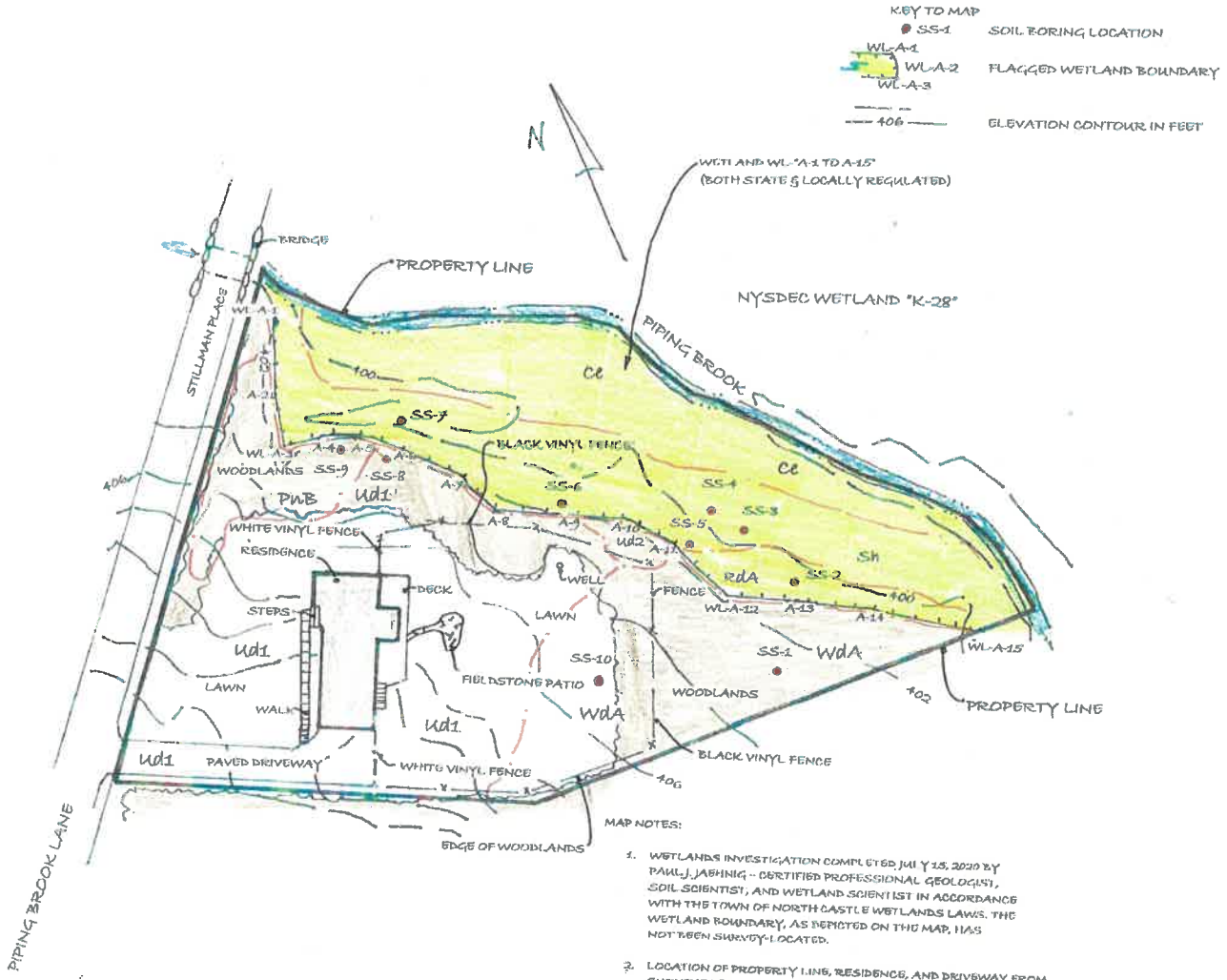
Wetlands on the site are a part of New York State Dept. of Environmental Conservation (NYSDEC) regulated wetland **"K-28"**, according to a review of their published maps /(see *NYSDEC Wetland Map* in Appendix III).

NYSDEC wetland "K-28" covers approx. 97.1 acres area and is a Class I wetland area. Piping Brook is identified as a Class- AA-S watercourse.

Soils

Shallow soil borings were taken using a spade and Dutch auger at selected locations throughout the site in order to identify wetland soils. Soil boring locations (SS-1, SS-2, etc.) were plotted approx. on the enclosed *Wetland and Soils Map*. Soil borings were logged noting soil profile color, texture, redoximorphic (wetland soil) indicators, and water table. Detailed descriptions of soil borings are provided in Appendix IV.

Soils encountered on the study area include: non-wetland, well drained Paxton fine sandy loam (PnB), slopes 3 to 8 %, in the undisturbed, gently sloping woodland areas on the northwest edge of the site; non-wetland, well-drained Udorthents, cut, fill, & graded soil (Ub1), slopes varied, to describe areas around the residence, yard, and along the driveway, where past man-made disturbances have been carried-out as part of the development of the property; non-wetland, moderately well drained Udorthents, cut, fill, & graded soil (Ub2), slopes varied, to describe some areas adjacent to wetlands where fill soil has been placed and graded; non-wetland, moderately well drained Woodbridge loam (WdA), slopes 0 to 3 %, in the undisturbed, gently sloped, yard and woodlands on the southern and southeast portions of the site; wetland, very poorly drained Carlisle muck (Ce), slopes 0 to 1%, in the undisturbed core portion of wetland area WL-"A"; wetland, poorly drained Ridgebury loam (RdA), slopes 0 to 3 %, in the undisturbed, very gently sloped outer portions of the swampland; and wetland, very poorly-drained Sun silt loam (Sh), slopes 0 to 2 %, in the undisturbed, outer portions of the large, level swampland of wetland WL-"A". The distribution of these soil-types is depicted on the enclosed *Wetland and Soils Map*.



MAP NOTES:

1. WETLANDS INVESTIGATION COMPLETED JULY 15, 2020 BY PAUL J. JAEHNIG – CERTIFIED PROFESSIONAL GEOLOGIST, SOIL SCIENTIST, AND WETLAND SCIENTIST IN ACCORDANCE WITH THE TOWN OF NORTH CASTLE WETLANDS LAWS. THE WETLAND BOUNDARY, AS DEPICTED ON THIS MAP, HAS NOT BEEN SURVEY-LOCATED.
2. LOCATION OF PROPERTY LINE, RESIDENCE, AND DRIVEWAY FROM SURVEY PREPARED BY OFFICE OF RALPH MACDONALD SURVEYORS.
3. TOPOGRAPHY FROM WESTCHESTER COUNTY DEPT. OF PLANNING GIS PUBLISHED MAPS.
4. LOCATION OF EDGE OF WOODLANDS, ROAD, WALK, BRIDGE, AND PATIO PLOTTED ONTO MAP DURING WETLAND INVESTIGATION.

SOILS INFORMATION

NON-WETLAND SOILS

PwB	Paxton fine sandy loam well drained, slopes 3 to 8 %
Ud1	Udorthents soils well drained, slopes varied
Ud2	Udorthents soils moderately well drained, slopes varied
WdA	Woodbridge loam moderately well drained, slopes 0 to 3 %

WETLAND SOILS

Ce	Carlisle muck very poorly drained, slopes 0 to 1 %
RdA	Ridgebury loam poorly drained, slopes 0 to 3 %
Sh	Sun silt loam very poorly drained, slopes 0 to 2 %

Ud1 / PwB Soils Boundary

Wetland & Soils Map

The Donahue Site

8 Piping Brook Lane
Tax ID 102.02-2-24
North Castle, NY

Approx. 2.0 acres area
Prepared for
Patricia Donahue

July 15, 2020

Prepared By
Paul J. Jaehnig- Wetlands and Soils Consulting
P.O. Box 1071 Ridgefield, CT 06877

Map Scale: 1 inch = 60 ft.

Appendix I

Selected Site Photos

Photo 1 Looking east long the beginning of the driveway and toward the residence.

Photo 2 Looking east toward residence.

July 2020- The Donahue Site, 8 Piping Brook Lane, North Castle, NY

Photo 3 Looking west across backyard and toward the residence.

Photo 4 Looking easterly toward woodland area on the eastern portion of the site.

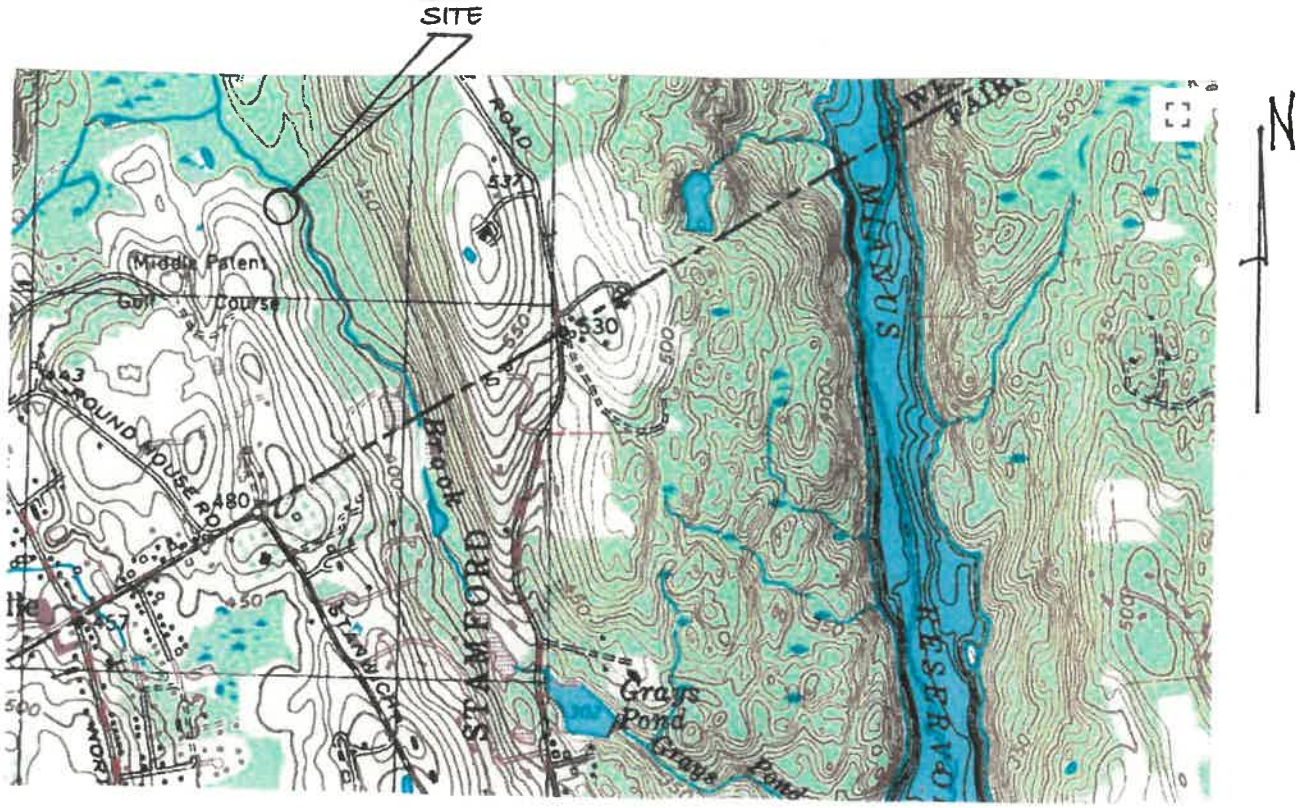
July 2020- The Donahue Site, 8 Piping Brook Lane, North Castle, NY

Photo 5 Looking northeast across swampland of wetland WL-"A" on the northeast portion of the site.

Photo 6 Looking northwest and upstream along Piping Brook.
July 2020- The Donahue Site, 8 Piping Brook Lane, North Castle, NY

Appendix II

Regional Drainage Map

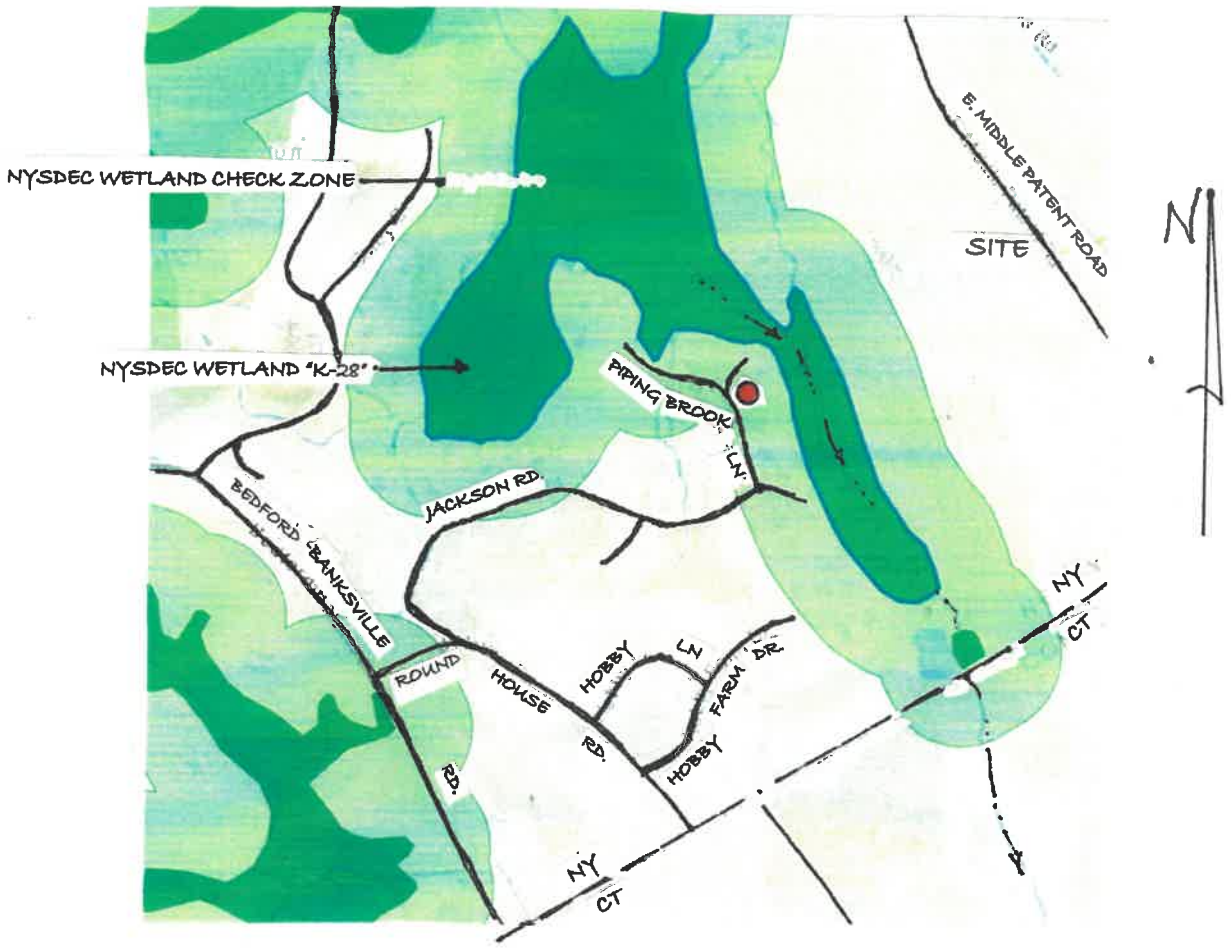


REGIONAL DRAINAGE MAP

N.T.S.

Appendix III

New York State
Dept. of Environmental Conservation
Wetland Map



NYSDEC WETLAND MAP
N.T.S.

Appendix IV

Soil Boring Logs

KEY TO BORING LOGS

SS-1	SOIL BORING
0-4''	DEPTH IN INCHES FROM THE GROUND SURFACE
COLOR	MUNSELL COLOR NOTATION
VERY DARK GRAY	HUE VALUE/ CHROMA 10YR 3 / 1

SS-1

SITE: VERY GENTLY SLOPED WOODLANDS; SHADY TREE CANOPY OF RED MAPLE, TULIP, AND BLACK BIRCH; OPEN UNDERSTORY; COMMON JAPANESE STILT GRASS, FEW CHRISTMAS AND CINNAMON FERN; TWIG AND LEAF LITTE COVERS WOODLAND FLOOR.

0-2" VERY DARK GRAY BROWN 10YR 3/2 LOAM.

2-10" BROWN 10YR 4/3 LOAM.

10-21" LIGHT YELLOW BROWN 2.5Y 6/4 LOAM.

21-30" LIGHT YELLOW BROWN 2.5Y 6/4 LOAM WITH 1% DARK YELLOW BROWN 10YR 4/6 MOTTLES (REDOX CONCENTRATIONS).

WATER TABLE NOT ENCOUNTERED.

SS-2

SITE: VERY GENTLY SLOPED OUTER EDGE OF SWAMPLAND; POORLY DRAINED; NO MICRO-TOPOGRAPHY; SHADY TREE CANOPY OF RED MAPLES WITH ERY SHALLOW ROOTS; MINOR BARBERRY SHRUB UNDERSTORY; COMMON CINNAMON FERN AND FEW VIRGINIA CREEPER; TWIG AND LEAF LITTER COVERS UN-VEGETATED PORTIONS OF GROUND.

0-12" VERY DARK GRAY 10YR 3/1 LOAM.

12-20" GRAY 10YR 5/1 FINE SANDY LOAM WITH 10% GRAVEL.

WATER TABLE AT 13".

SS-3

SITE: OUTER PORTION OF LARGE AND LEVEL SWAMPLAND; VERY POORLY DRAINED; MICRO-TOPOGRAPHY DEVELOPMENT; SHADY TREE CANOPY OF TALL RED MAPLE WITH BUTTRESSED ROOTS; VERY THIN UNDERSTORY OF FEW LARGE SPICEBUSH SHRUBS; LUSH HERBACEOUS COVER OF MANY SKUNK CABBAGES, CINNAMON AND ROYAL FERN; MATTED LEAVES COVER UN-VEGETATED FLOOR.

0-12" BLACK 2.5Y 2.5/1 SILT LOAM.

12-28" GRAY 10YR 5/1 FINE SANDY LOAM.

WATER TABLE AT 0".

SS-4

SITE: SIMILAR TO SS-3; VERY POORLY DRAINED; WELL DEVELOPED MICRO-TOPOGRAPHY.

0-6" BLACK 2.5Y2.5/1 MUCK.

6-13" BLACK 2.5Y 2.5/1 SILT LOAM.

13-28" GRAY 10YR 5/1 FINE SANDY LOAM.

WATER TABLE AT 2".

SS-5

SITE: SAME AS SS-3.

SOIL: SAME AS SS-3.

WATER TABLE AT 3".

SS-6

SITE: EDGE OF SWAMPLAND; VERY POORLY DRAINED; MICRO-TOPOGRAPHY DEVELOPMENT; 20 % OF GROUD COVERED WITH STONES; TALL WIDE-SPACED TREE CANOPY OF RED MAPLE AND ASH WITH BUTTRESSED ROOTS; FEW LARGE SPICEBUSH SHRUBS; LUSH HERBACEOUS GROWTH OF SKUNK CABBAGE AND CINNAMON FERN; MATTED LEAF LITTER COVERS UN-VEGETATED GROUND.

0-10" BLACK 2.5Y 2.5/1 SILT LOAM.

10-20" GRAY 10YR 5/1 FINE SANDY LOAM.

WATER TABLE AT 6".

SS-7

SITE: LEVEL AND SLIGHTLY CONCAVE AREA OF SWAMPLAND APPROX. 10 BY 30 FT; AREA HAS PUDDLED WATER APPROX. 2 INCHES DEEP; MATTED LEAF LITTER COVERS WETLAND FLOOR.

0-12" BLACK 2.5Y 2.5/1 MUCK.

12-28" BLACK 2.5Y 2.5/1 SILT LOAM.

WATER TABLE AT 0".

SS-8

SITE: GENTLY SLOPED AND LOCALLY UNEVEN GROUND IN WOODLANDS; SHADY TREE CANOPY OF RED MAPLE AND BLACK CHERRY; UNDERSTORY OF BARBERRY SHRUBS; TWIG AND LEAF LITTER COVERS WOODLAND FLOOR.

0-1/2" VERY DARK GRAY BROWN 10YR 3/2 LOAM.

1/2-2" DARK BROWN 10YR 3/3 LOAM.

2-29" MIXED BROWN 10YR 4/3 AND YELLOW BROWN 10YR 5/4 LOAM WITH 5% GRAVEL.

WATER TABLE NOT ENCOUNTERED.

SS-9

SITE: VERY GENTLY SLOPED WOODLANDS; TREE CANOPY OF TALL TULIP AND RED MAPLES; OPEN UNDERSTORY; HERBACEOUS COVER OF NEW YORK FERN, CONNAMON FERN, AND GARLIC MUSTARD; TWIG AND LEAF LITTER COVER WOODLAND FLOOR.

0-2" VERY DARK GRAY BROWN 10YR 3/2 LOAM.

2-24" BROWN 10YR 4/3 LOAM.

24-32" YELLOW BROWN 10YR 5/4 LOAM.

WATER TABLE NOT ENCOUNTERED.

SS-10

SITE: VERY GENTLY SLOPED TO NEARLY LEVEL LAWN.

0-6" BROWN 10YR 4/3 LOAM.

6-21" BROWNISH YELLOW 10YR 6/6 LOAM.

21-30" BROWNISH YELLOW 10YR 6/6 LOAMWITH 2% DARK YELLOW BROWN 10YR 4/6 MOTTLES (REDOX CONCENTRATIONS).

WATER TABLE NOT ENCOUNTERED.