

**From:** [Sylvia E. Ner-Karas](#)  
**To:** [Caldwell, Denise \(DOS\)](#)  
**Cc:** [Ashley Marciszyn](#)  
**Subject:** Beaver Dam Creek Pilot Restoration Project.  
**Date:** Monday, December 11, 2023 6:44:12 PM  
**Attachments:** [image001.png](#)  
[2023-11-27 DOS Beaver Dam Creek Restoration.pdf](#)

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**ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.**

Dear Denise,  
Please find attached our submission for Beaver Dam Creek Restoration Project. Please let me know if you require hard copies of the submission.  
Sincerely,

**Sylvia Ner-Karas**  
**Senior Environmental Scientist**



Long Island: 70 Maxess Road, Melville, NY 11747  
Hudson Valley: 156 Route 59, Suite C6, Suffern, NY 10901  
o: 631.427.5665 x241  
[snr-karas@nelsonpopevoorhis.com](mailto:snr-karas@nelsonpopevoorhis.com)  
[nelsonpopevoorhis.com](http://nelsonpopevoorhis.com)

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December 8, 2023

Denise Caldwell

Consistency Review Coordinator

New York State Department of State

Office of Planning, Development & Community Infrastructure Washington Avenue, Suite 1010

Albany, New York 12231

[Denise.Caldwell@dos.ny.gov](mailto:Denise.Caldwell@dos.ny.gov)

**Re: Department of State Concurrence  
Beaver Dam Creek Tidal Wetlands Restoration Pilot Project  
Town of Brookhaven, NY, Suffolk County  
SCTM # 200-978.20-3-61.6  
NPV #19029**

Dear Ms. Caldwell,

Nelson, Pope, and Voorhis, LLC (NPV) and Nelson+Pope Engineering, Architecture and Land Surveying, PLLC (N+P) are assisting Suffolk County Department of Public Works ("SCDDPW") with the design and regulatory approval processes associated with a tidal wetland restoration pilot project at the "Beaver Dam Creek" site located in the Town of Brookhaven. The site is located south of Beaver Dam Road in the unincorporated Hamlet of Brookhaven (**Figure 1**). Note, Suffolk County's principal office is located at the County Center, Hauppauge, New York, 11788, and SCDDPW's office is located at 335 Yaphank Avenue, Yaphank, New York, 11980-9744.

The project site consists of previously placed dredge material that is overgrown with high vigor *Phragmites australis* ("Phragmites") and other invasive vegetation (there is no notable native plant species in the project area, as they are outcompeted by the invasive species) due to poor tidal flushing. This marsh restoration project includes the removal of the invasive plant species and the incorporation of a small shallow pond and runnels (small channels) within the existing topography to recreate an interconnected tidal system that will foster stronger flushing of the wetland during each tidal cycle. This will nourish the marsh with a more balanced level of tidal flow, which will promote the colonization of native marsh vegetation and the natural habitat necessary for aquatic wildlife species to thrive. Below is a summary of some key elements associated with the restoration project:

- Phragmites/Invasive Species Removal – ±30,925 SF of invasive plant species will be hydraulically removed from the project site to create the channels (±1,417 LF x 1.5 ft width = 2,125 SF) and shallow pond (±28,800 SF).
- Proposed channels – The channels will be approximately 1.5' wide x 2 feet deep, totaling ±1,417 LF. ±467 CY of material will be removed to create the channels.

- Proposed Shallow Tidal Pond – The pond will be  $\pm 160$  ft x  $\pm 180$  ft for a total of  $\pm 28,800$  SF. The proposed depth is  $\pm 1.0$  ft.  $\pm 820$  CY of previously deposited dredge material will be removed to create this shallow tidal pond.
- The  $\pm 1,287$  CY ( $\pm 467$  CY from the channels and  $\pm 820$  CY from the shallow pond) of dredged material will be relocated and deposited around the banks of the upland areas of the project site.
- The created tidal pond and channels/runnels will be replanted with smooth cordgrass (*Spartina alterniflora*) in the intertidal areas and salt hay (*Spartina patens*) on the banked high marsh areas.

All work shall be completed pursuant to the plans prepared by N+P in September 2023.

The proposed channels/runnels will connect low spots of the Phragmites ridden portion of the project site to Beaver Dam Creek and allow drainage and saltwater flushing of the waterlogged areas. The proposed marsh configuration and reintroduction of the natural tidal cycle will promote the establishment of proper tidal marsh species and a sustainable tidal wetland system.

The SCDPW is implementing this tidal marsh restoration as a pilot program. They intend to monitor the success for possible implementation of these practices throughout County owned parcels that are impacted by invasive species associated with previous disturbances to valuable tidal ecosystems. The management methods can be tweaked and/or expanded to adapt to shortcomings or successes noted in the monitoring of this project.

We therefore request concurrence from Department of State since these actions to be covered under Nationwide Permit 27, which includes activities in waters of the United States associated with restoration, enhancement, and establishment of wetlands and under Nationwide Permit 46 which covers discharges of dredged or fill material into non-tidal ditches that are (1) constructed in uplands, (2) receive water from an area determined to be a water of the United States prior to the construction of the ditch, (3) divert water to an area determined to be a water of the United States prior to the construction of the ditch, and (4) determined to be waters of the United States. The discharge of dredged or fill material must not cause the loss of greater than one acre of waters of the United States. To satisfy the requirements of this request, the following materials are submitted herewith:

DPW will ensure that the plant material has survivorship of more than 85% over period of three (3) years. All proposed work will be completed in accordance with best management practices within tidal wetlands and tidal wetland adjacent areas. We therefore respectfully request DOS Concurrence. To satisfy the requirements of this request and in support of this project, enclosed herewith are the following materials:

- Joint Application Form
- Short Environmental Assessment Form
- Environmental Questionnaire

- Federal Consistency Assessment Form
- Federal Consistency Assessment Form Addendum
- Figure package
- Photographs of existing conditions
- Project plans 8.5 x 11 prepared by Nelson + Pope dated September 2023

Should you have any questions or require additional information regarding this request, please do not hesitate to contact me. Thank you.

Sincerely,

**Nelson, Pope & Voorhis, LLC**



Sylwia Ner-Karas  
Senior Environmental Scientist

cc: Nicholas Gibbons, SC Department of Public Works, Chief Environmental Analyst (digital)  
Terry Maccarrone, SC Department of Parks, Recreation & Conservation (digital)





### JOINT APPLICATION FORM

For Permits for 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

☐ Dams and Impoundment Structures

☐ Tidal Wetlands

☐ Water Withdrawal

☐ Excavation and Fill in Navigable Waters

☐ 401 Water Quality Certification\*

☐ Wild, Scenic and Recreational Rivers

☐ Long Island Well

☐ Docks, Moorings or Platforms

☐ Freshwater Wetlands

☐ Coastal Erosion Management

☐ Incidental Take of Endangered / Threatened Species

\* See Instructions (page 3)

##### >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

Taxpayer ID (if applicant is NOT an individual)

Mailing Address

Post Office / City

State

Zip

Telephone

Email

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

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

Mailing Address

Post Office / City

State

Zip

Telephone

Email

**For Agency Use Only**

Agency Application Number:

**4. Name of Contact / Agent**

Mailing Address	Post Office / City	State	Zip
Telephone	Email		

**5. Project / Facility Name**

Property Tax Map Section / Block / Lot Number:

Project Street Address, if applicable	Post Office / City	State	Zip
		NY	

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

☐ Town
 ☐ Village
 ☐ City
 County
 Stream/Waterbody Name

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

Latitude:  °  '  "
 Longitude:  °  '  "

**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:**

The proposed action is the restoration of a portion of the western bank of Beaver Dam Creek in the Town of Brookhaven. This area is invaded with Phragmites and other invasive vegetation. The removal of these invasive plants and the creation of micro-pools and runnels are proposed to create an interconnected tidal system that will be flushed through each tidal cycle. In total ±1,287 CY of material will be removed and relocated on-site (±467 CY removed from runnel construction, ±820 CY removed from pilot marsh restoration) to create an intertidal system that will resemble more natural topography and contain non-invasive wetland vegetation.

**b. Description of current site conditions:**

**c. Proposed site changes:**

**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.):**

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

**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:

h. Describe the planned sequence of activities:

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

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

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:  Estimated Completion Date:

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:

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

☐ Yes If Yes, list below. ☐ No

**7. Signatures.**

Applicant and Owner (If different) must sign the application. If the applicant is the landowner, the **landowner attestation form** can be used as an electronic signature as an alternative to the signature below, if necessary. 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

9/20/23

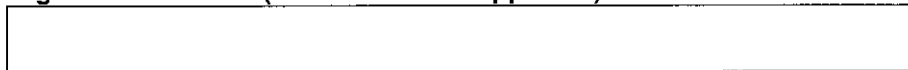
Applicant Must be (check all that apply): ☒ Owner ☐ Operator ☐ Lessee

Printed Name

Nicholas Gibbons

Title

Chief Environmental Analyst, SC Parks Department

**Signature of Owner (if different than Applicant)**


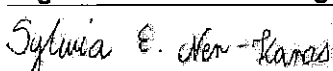
Date



Printed Name



Title


**Signature of Contact / Agent**


Date

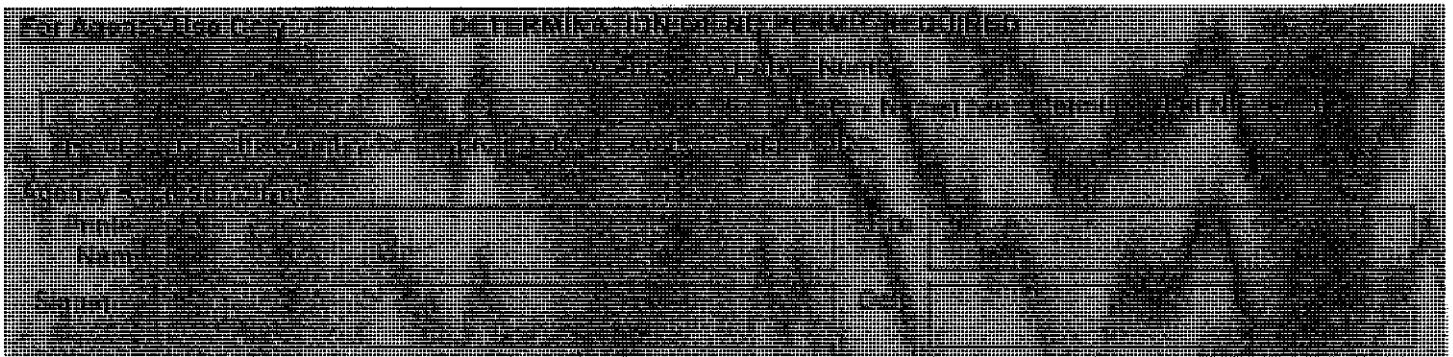
08/01/2023

Printed Name

Sylwia E. Ner-Karas

Title

Senior Environmental Scientist



# *Short Environmental Assessment Form*

## *Part 1 - Project Information*

### Instructions for Completing

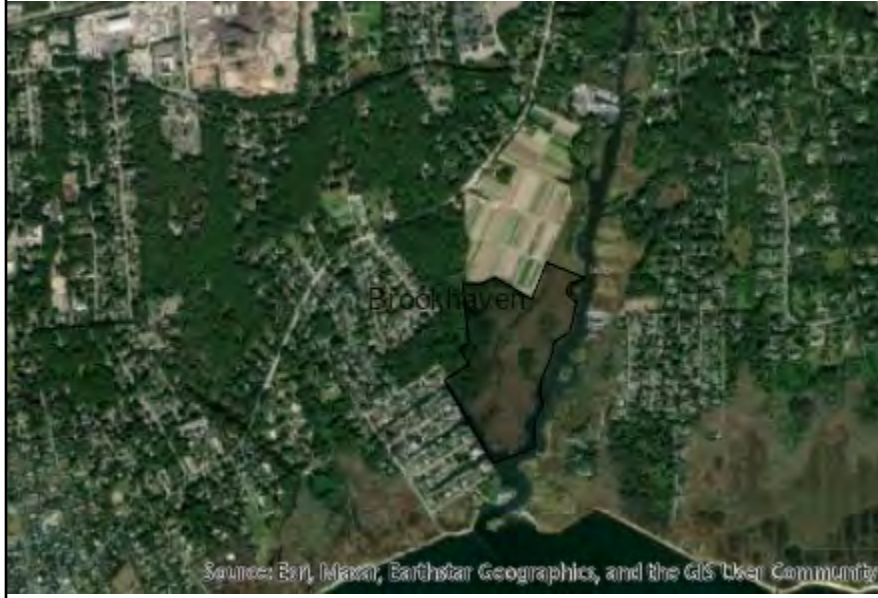
**Part 1 – Project Information.** The applicant or project sponsor is responsible for the completion of Part 1. Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification. Complete Part 1 based on information currently available. 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.

<b>Part 1 – Project and Sponsor Information</b>				
Name of Action or Project:				
Project Location (describe, and attach a location map):				
Brief Description of Proposed Action:				
Name of Applicant or Sponsor:			Telephone:	
			E-Mail:	
Address:				
City/PO:			State:	Zip Code:
1. Does the proposed action only involve the legislative adoption of a plan, local law, ordinance, administrative rule, or regulation?			NO	YES
If Yes, attach a narrative description of the intent of the proposed action and the environmental resources that may be affected in the municipality and proceed to Part 2. If no, continue to question 2.			<input type="checkbox"/>	<input type="checkbox"/>
2. Does the proposed action require a permit, approval or funding from any other government Agency?			NO	YES
If Yes, list agency(s) name and permit or approval:			<input type="checkbox"/>	<input type="checkbox"/>
3.   a. Total acreage of the site of the proposed action? _____ acres b. Total acreage to be physically disturbed? _____ acres c. Total acreage (project site and any contiguous properties) owned _____ acres or controlled by the applicant or project sponsor?				
4. Check all land uses that occur on, are adjoining or near the proposed action: 5.     Urban       Rural (non-agriculture)       Industrial       Commercial       Residential (suburban) <input type="checkbox"/> Forest     Agriculture                   Aquatic       Other(Specify): <input type="checkbox"/> Parkland				

5. Is the proposed action,	NO	YES	N/A
a. A permitted use under the zoning regulations?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Consistent with the adopted comprehensive plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Is the proposed action consistent with the predominant character of the existing built or natural landscape?	NO	YES	
	<input type="checkbox"/>	<input type="checkbox"/>	
7. Is the site of the proposed action located in, or does it adjoin, a state listed Critical Environmental Area?	NO	YES	
If Yes, identify: _____	<input type="checkbox"/>	<input type="checkbox"/>	
8. a. Will the proposed action result in a substantial increase in traffic above present levels?	NO	YES	
	<input type="checkbox"/>	<input type="checkbox"/>	
b. Are public transportation services available at or near the site of the proposed action?	<input type="checkbox"/>	<input type="checkbox"/>	
c. Are any pedestrian accommodations or bicycle routes available on or near the site of the proposed action?	<input type="checkbox"/>	<input type="checkbox"/>	
9. Does the proposed action meet or exceed the state energy code requirements?	NO	YES	
If the proposed action will exceed requirements, describe design features and technologies: _____ _____	<input type="checkbox"/>	<input type="checkbox"/>	
10. Will the proposed action connect to an existing public/private water supply?	NO	YES	
If No, describe method for providing potable water: _____ _____	<input type="checkbox"/>	<input type="checkbox"/>	
11. Will the proposed action connect to existing wastewater utilities?	NO	YES	
If No, describe method for providing wastewater treatment: _____ _____	<input type="checkbox"/>	<input type="checkbox"/>	
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?	NO	YES	
	<input type="checkbox"/>	<input type="checkbox"/>	
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?	<input type="checkbox"/>	<input type="checkbox"/>	
13. a. Does any portion of the site of the proposed action, or lands adjoining the proposed action, contain wetlands or other waterbodies regulated by a federal, state or local agency?	NO	YES	
	<input type="checkbox"/>	<input type="checkbox"/>	
b. Would the proposed action physically alter, or encroach into, any existing wetland or waterbody?	<input type="checkbox"/>	<input type="checkbox"/>	
If Yes, identify the wetland or waterbody and extent of alterations in square feet or acres: _____ _____ _____			

14. Identify the typical habitat types that occur on, or are likely to be found on the project site. Check all that apply: <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <span><input type="checkbox"/> Shoreline</span> <span><input type="checkbox"/> Forest</span> <span>Agricultural/grasslands</span> <span>Early mid-successional</span> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <span>Wetland</span> <span><input type="checkbox"/> Urban</span> <span>Suburban</span> </div>		
15. Does the site of the proposed action contain any species of animal, or associated habitats, listed by the State or Federal government as threatened or endangered?	NO	YES
	<input type="checkbox"/>	<input type="checkbox"/>
16. Is the project site located in the 100-year flood plan?	NO	YES
	<input type="checkbox"/>	<input type="checkbox"/>
17. Will the proposed action create storm water discharge, either from point or non-point sources? If Yes,	NO	YES
	<input type="checkbox"/>	<input type="checkbox"/>
a. Will storm water discharges flow to adjacent properties?	<input type="checkbox"/>	<input type="checkbox"/>
b. Will storm water discharges be directed to established conveyance systems (runoff and storm drains)? If Yes, briefly describe:	<input type="checkbox"/>	<input type="checkbox"/>
<div style="border-bottom: 1px solid black; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; margin-bottom: 5px;"></div>		
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:	NO	YES
	<input type="checkbox"/>	<input type="checkbox"/>
<div style="border-bottom: 1px solid black; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; margin-bottom: 5px;"></div>		
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:	NO	YES
	<input type="checkbox"/>	<input type="checkbox"/>
<div style="border-bottom: 1px solid black; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; margin-bottom: 5px;"></div>		
20. Has the site of the proposed action or an adjoining property been the subject of remediation (ongoing or completed) for hazardous waste? If Yes, describe:	NO	YES
	<input type="checkbox"/>	<input type="checkbox"/>
<div style="border-bottom: 1px solid black; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; margin-bottom: 5px;"></div>		
<p><b>I CERTIFY THAT THE INFORMATION PROVIDED ABOVE IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE</b></p> <p>Applicant/sponsor/name: _____ Date: _____</p> <p>Signature: <u>Sylvia E. New-Karas</u> Title: _____</p>		



**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]	Yes
Part 1 / Question 7 [Critical Environmental Area - Identify]	Name:Coastal Zone Area South, Reason:Protect public health, open space and wetlands, Agency:Brookhaven, Town of, Date:5-18-87
Part 1 / Question 12a [National or State Register of Historic Places or State Eligible Sites]	No
Part 1 / Question 12b [Archeological Sites]	Yes
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]	Yes
Part 1 / Question 15 [Threatened or Endangered Animal - Name]	Bald Eagle, Northern Long-eared Bat
Part 1 / Question 16 [100 Year Flood Plain]	Yes
Part 1 / Question 20 [Remediation Site]	No





By signing this permission form for submission with an application for a permit(s) to the Department of Environmental Conservation ("DEC"), the signer consents to inspection by DEC staff of the project site or facility for which a permit is sought and, to the extent necessary, areas adjacent to the project site or facility. This consent allows DEC staff to enter upon and pass through such property in order to inspect the project site or facility, without prior notice, between the hours of 7:00 a.m. and 7:00 p.m., Monday through Friday. If DEC staff should wish to conduct an inspection at any other times, DEC staff will so notify the applicant and will obtain a separate consent for such an inspection.

Inspections may take place as part of the application review prior to a decision to grant or deny the permit(s) sought. By signing this consent form, the signer agrees that this consent remains in effect as long as the application is pending, and is effective regardless of whether the signer, applicant or an agent is present at the time of the inspection. In the event that the project site or facility is posted with any form of "posted" or "keep out" notices, or fenced in with an unlocked gate, this permission authorizes DEC staff to disregard such notices or unlocked gates at the time of inspection.

The signer further agrees that during an inspection, DEC staff may, among other things, take measurements, may analyze physical characteristics of the site including, but not limited to, soils and vegetation (taking samples for analysis), and may make drawings and take photographs.

Failure to grant consent for an inspection is grounds for, and may result in, denial of the permit(s) sought by the application.

Permission is granted for inspection of property located at the following address(es):

Beaver Dam Creek Restoration Project Site (Figure 1)

*By signing this form, I affirm under penalty of perjury that I am authorized to give consent to entry by DEC staff as described above. I understand that false statements made herein are punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law.\**

Nicholas Gibbons

Print Name and Title

Signature

9/20/23

Date

- \*The signer of this form must be an individual or authorized representative of a legal entity that:
- owns fee title and is in possession of the property identified above;
  - maintains possessory interest in the property through a lease, rental agreement or other legally binding agreement; or
  - is provided permission to act on behalf of an individual or legal entity possessing fee title or other possessory interest in the property for the purpose of consenting to inspection of such property.

LETTER OF AUTHORIZATION

August 2, 2023

Ms. Sherri Aicher  
Regional Permit Administrator  
New York State Department of Environmental Conservation  
Building 40, SUNY Campus  
Stony Brook, NY 11790-2356

Re: Article 25 Wetland Application  
Beaver Dam Creek Tidal Wetlands Pilot Restoration Project  
Beaver Creek, NY  
SCTM # 0200978200300061006

Dear Ms. Aicher:

Please be advised that as the **owner** of record of the above referenced property we hereby consent to Nelson, Pope & Voorhis, LLC, making an application for Article 25 Permit to the NYS Department of Environmental Conservation (NYSDEC). We further consent to the NYSDEC to inspect the property for purposes of making a determination on the referenced application.

Please also be advised that we wish/do not wish (circle one) to receive copies of correspondence between the Department and the agent in this matter.

Sincerely,



---

Suffolk County Department of Public Works  
c/o Nicholas Gibbons, Chief Environmental Analyst  
335 Yaphank Ave.  
Yaphank, NY 11980  
(631) 852-4010  
[Nicholas.Gibbons@suffolkcountyny.gov](mailto:Nicholas.Gibbons@suffolkcountyny.gov)

## **ENVIRONMENTAL QUESTIONNAIRE**

***This is intended to supplement ENG Form 4345, Application for Department of the Army Permit, or the Joint Application for Permit used in the State of New York. Please provide complete answers to all questions below which are relevant to your project. Any answers may be continued on separate sheet(s) of paper to be attached to this form.***

### **PRIVACY ACT STATEMENT**

***The purpose of this form is to provide the Corps of Engineers with basic information regarding your project. This information will be used to facilitate evaluation of your permit application and for public dissemination as required by regulation. Failure to provide complete information may result in your application being declared incomplete for processing, thereby delaying processing of your application.***

### **GENERAL--APPLICABLE TO ALL PROJECTS**

#### ***1. Explain the need for, and purpose of, the proposed work.***

The proposed Beaver Dam Creek Tidal Wetlands Restoration Pilot Project ("Project") seeks to restore a portion of the Beaver Dam Creek's western bank as shown on the attached site plan prepared by N+P on August 2023. The project site consists of dredge material that is overgrown with high vigor *Phragmites australis* ("Phragmites") and other invasive vegetation with poor tidal flushing. Phragmites removal and new micro-pools and runnels (small channels) will be incorporated into the area utilizing existing topography to create an interconnected system that will foster stronger flushing of the wetland throughout each tidal cycle. This will nourish the marsh with a more balanced level of tidal flow, allowing for native marsh vegetation to colonize. This will in turn, create habitat for aquatic wildlife species to thrive.

#### ***2. Provide the names and addresses of property owners adjacent to your work site (if not shown on the application form or project drawings).***

They are Town of Brookhaven owned properties.

***(Please note that depending upon the nature and extent of your project, you may be requested to provide the names and addresses of additional property owners proximate to your project site to ensure proper coordination.)***

#### ***3. Photographs of the project site should be submitted. For projects in tidal areas, photographs of the waterway vicinity should be taken at low tide. Using a separate copy of your plan view, indicate the location and direction of each photograph as well as the date and time at which the photograph was taken. Provide a sufficient number of photographs so as to provide a clear understanding of conditions on and proximate to your project site.***

See attached photos.

#### ***4. Provide a copy of any environmental impact statement, or any other environmental report which was prepared for your project.***

**5. Provide a thorough discussion of alternatives to your proposal. This discussion should include, but not necessarily be limited to, the "no action" alternative and alternative(s) resulting in less disturbance to waters of the United States. For filling projects in waters of the United States, including wetlands, your alternatives discussion should demonstrate that there are no practicable alternatives to your proposed filling and that your project meets with current mitigation policy (i.e. avoidance, minimization and compensation).**

If "no action" alternative is chosen the site will continue to degrade and overgrow with invasive vegetation.

### **DREDGING PROJECTS**

**Answer the following if your project involves dredging.**

**1. Indicate the estimated volume of material to be dredged and the depth (below mean low water) to which dredging would occur. Would there be overdepth dredging?**

See application

**2. You can apply for a ten-year permit for maintenance dredging. If you wish to apply for a ten-year permit, please provide the number of additional dredging events during the ten-year life of the permit and the amount of material to be removed during future events.**

See application

**3. Indicate of your drawings the dewatering area (if applicable) and disposal site for the dredged material (except landfill sites). Submit a sufficient number of photographs of the dewatering and disposal sites as applicable so as to provide a clear indication of existing conditions. For ten-year maintenance dredging permits, indicate the dewatering/disposal sites for future dredging events, if known.**

See application

**4. Describe the method of dredging (i.e. clamshell, dragline, etc.) and the expected duration of dredging.**

See application

**5. Indicate the physical nature of the material to be dredged (i.e. sand, silt, clay, etc.) and provide estimated percentages of the various constituents if available. For beach nourishment projects, grain size analysis data is required.**

See application

**6. Describe the method of dredged material containment (i.e. hay bales, embankment, bulkhead, etc.) and whether return flow from the dewatering/disposal site would reenter any waterway. Also indicate if there would be any barge overflow.**

See application

### **MOORING FACILITIES**

**Answer the following if your project includes the construction or rehabilitation of recreational mooring facilities.**

**1. It is generally recommended that any fixed piers and walk ramps be limited to four feet in width, and that floats be limited to eight feet in width and rest at least two feet above the waterway bottom at mean low water. Terminal floats at private, non-commercial facilities should be limited to 20 feet in length. If you do not believe your proposal can meet with these recommendations, please provide the reason(s).**

**2. Using your plan view, show to scale the location(s), position(s) and size(s) (including length, beam and draft) of vessel(s) to be moored at the proposed facility, including those of transient vessel(s) if known.**

**3. For commercial mooring sites such as marinas, indicate the capacity of the facility and indicate on the plan view the location(s) of any proposed fueling and/or sewage pumpout facilities. If pumpout facilities are not planned, please discuss the rationale below and indicate the distance to the nearest available pumpout station.**

**4. Indicate on your plan view the distance to adjacent marine structures, if any are proximate and show the locations and dimensions of such structures.**

**5. Discuss the need for wave protection at the proposed facility. Please be advised that if a permit is issued, you would be required to recognize that the mooring facility may be subject to wave action from wakes of passing vessels, whose operations would not be required to be modified. Issuance of a permit would not relieve you of ensuring the integrity of the authorized structure(s) and the United States would not be held responsible for damages to the structure(s) and vessel(s) moored thereto from wakes from passing vessels.**

### **BULKHEADING/BANK STABILIZATION/FILLING ACTIVITIES**

**Answer the following if your project includes construction of bulkheading (also retaining walls and seawalls) with backfill, filling of waters/wetlands, or any other bank stabilization fills such as riprap, revetments, gabions, etc.**

**1. Indicate the total volume of fill (including backfill behind a structure such as a bulkhead) as well as the volume of fill to be placed into waters of the United States. The amount of fill in waters of the United States can be determined by calculating the amount of fill to be placed below the plane of spring high tide in tidal areas and below ordinary high water in non-tidal areas.**

**2. Indicate the source(s) and type(s) of fill material.**

**3. Indicate the method of fill placement (i.e. by hand, bulldozer, crane, etc.). Would any temporary fills be required in waterways or wetlands to provide access for construction equipment? If so, please indicate the area of such waters and/or wetlands to be filled, and show on the plan and sectional views.**

***The foregoing requests basic information on the most common types of projects requiring Department of the Army permits. It is intended to obviate or reduce the need for requesting additional information; however, additional information may be requested above and beyond what is requested in this form.***

***Please feel free to add any additional information regarding your project which you believe may facilitate our review.***

NEW YORK STATE DEPARTMENT OF STATE  
COASTAL MANAGEMENT PROGRAM

Federal Consistency Assessment Form

An applicant, seeking a permit, license, waiver, certification or similar type of approval from a federal agency which is subject to the New York State Coastal Management Program (CMP), shall complete this assessment form for any proposed activity that will occur within and/or directly affect the State's Coastal Area. This form is intended to assist an applicant in certifying that the proposed activity is consistent with New York State's CMP as required by U.S. Department of Commerce regulations (15 CFR 930.57). It should be completed at the time when the federal application is prepared. The Department of State will use the completed form and accompanying information in its review of the applicant's certification of consistency.

A. APPLICANT (please print)

- Suffolk County Department of Public Works c/o Nicholas Gibbons
1. Name: \_\_\_\_\_
2. Address: 335 Yaphank Avenue, Yaphank, NY 11980-9744
3. Telephone: Area Code (631) 852-4010

B. PROPOSED ACTIVITY

1. Brief description of activity:

This area is invaded with Phragmites and other invasive vegetation. The removal of these ~~invasive plants and the creation of micro-pools and runnels are proposed. In total ± 1,287 CY of~~ material will removed and relocated on-site (±467 CY removed from runnel construction, ±820 CY removed from pilot marsh restoration) to create an intertidal system that will resemble more natural topography and contain non-invasive wetland vegetation

2. Purpose of activity:

The proposed action is the restoration of a portion of the western bank of Beaver Dam Creek in the Town of Brookhaven. The removal of invasive Phragmites and creation of micro-pools and runnels will create an interconnected tidal system that will be flushed through each tidal cycle.

3. Location of activity:

<u>Suffolk</u>	<u>Brookhaven</u>	<u>Beaver Creek</u>
County	City, Town, or Village	Street or Site Description

4. Type of federal permit/license required: Nationwide Wetland Permit 27 & 46

5. Federal application number, if known: \_\_\_\_\_

6. If a state permit/license was issued or is required for the proposed activity, identify the state agency and provide the application or permit number, if known:

\_\_\_\_\_



C. COASTAL ASSESSMENT Check either "YES" or "NO" for each of these questions. The numbers following each question refer to the policies described in the CMP document (see footnote on page 2) which may be affected by the proposed activity.

1. Will the proposed activity result in any of the following: YES / NO

- |  |                                     |                                     |
|--|-------------------------------------|-------------------------------------|
| a. Large physical change to a site within the coastal area which will require the preparation of an environmental impact statement? (11, 22, 25, 32, 37, 38, 41, 43) . . . . . | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| b. Physical alteration of more than two acres of land along the shoreline, land under water or coastal waters? (2, 11, 12, 20, 28, 35, 44) . . . . .                           | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| c. Revitalization/redevelopment of a deteriorated or underutilized waterfront site? (1) . . . . .  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| d. Reduction of existing or potential public access to or along coastal waters? (19, 20) . . . . .   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| e. Adverse effect upon the commercial or recreational use of coastal fish resources? (9,10) . . . . .  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| f. Siting of a facility essential to the exploration, development and production of energy resources in coastal waters or on the Outer Continental Shelf? (29) . . . . .       | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| g. Siting of a facility essential to the generation or transmission of energy? (27) . . . . .  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| h. Mining, excavation, or dredging activities, or the placement of dredged or fill material in coastal waters? (15, 35) . . . . .  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| i. Discharge of toxics, hazardous substances or other pollutants into coastal waters? (8, 15, 35) . . . . .  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| j. Draining of stormwater runoff or sewer overflows into coastal waters? (33) . . . . .  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| k. Transport, storage, treatment, or disposal of solid wastes or hazardous materials? (36, 39) . . . . .   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| l. Adverse effect upon land or water uses within the State's small harbors? (4) . . . . .  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

2. Will the proposed activity affect or be located in, on, or adjacent to any of the following: YES / NO

- |  |                                     |                                     |
|--|-------------------------------------|-------------------------------------|
| a. State designated freshwater or tidal wetland? (44) . . . . .                                    | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| b. Federally designated flood and/or state designated erosion hazard area? (11, 12, 17,) . . . . . | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| c. State designated significant fish and/or wildlife habitat? (7) . . . . .                        | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| d. State designated significant scenic resource or area? (24) . . . . .                            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| e. State designated important agricultural lands? (26) . . . . .                                   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| f. Beach, dune or barrier island? (12) . . . . .   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| g. Major ports of Albany, Buffalo, Ogdensburg, Oswego or New York? (3) . . . . .                   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| h. State, county, or local park? (19, 20) . . . . .  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| i. Historic resource listed on the National or State Register of Historic Places? (23) . . . . .   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

3. Will the proposed activity require any of the following: YES / NO

- |  |                                     |                                     |
|--|-------------------------------------|-------------------------------------|
| a. Waterfront site? (2, 21, 22) . . . . .  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| b. Provision of new public services or infrastructure in undeveloped or sparsely populated sections of the coastal area? (5) . . . . . | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| c. Construction or reconstruction of a flood or erosion control structure? (13, 14, 16) . . . . .                                      | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| d. State water quality permit or certification? (30, 38, 40) . . . . .   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| e. State air quality permit or certification? (41, 43) . . . . .   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

4. Will the proposed activity occur within and/or affect an area covered by a State approved local waterfront revitalization program? (see policies in local program document) . . . . . ☐ ☒

#### D. ADDITIONAL STEPS

1. If all of the questions in Section C are answered "NO", then the applicant or agency shall complete Section E and submit the documentation required by Section F.
2. If any of the questions in Section C are answered "YES", then the applicant or agent is advised to consult the CMP, or where appropriate, the local waterfront revitalization program document\*. The proposed activity must be analyzed in more detail with respect to the applicable state or local coastal policies. On a separate page(s), the applicant or agent shall: (a) identify, by their policy numbers, which coastal policies are affected by the activity, (b) briefly assess the effects of the activity upon the policy; and, (c) state how the activity is consistent with each policy. Following the completion of this written assessment, the applicant or agency shall complete Section E and submit the documentation required by Section F.

#### E. CERTIFICATION

The applicant or agent must certify that the proposed activity is consistent with the State's CMP or the approved local waterfront revitalization program, as appropriate. If this certification cannot be made, the proposed activity shall not be undertaken. If this certification can be made, complete this Section.

"The proposed activity complies with New York State's approved Coastal Management Program, or with the applicable approved local waterfront revitalization program, and will be conducted in a manner consistent with such program."

Applicant/Agent's Name: Sylwia E. Ner-Karas

Address: 70 Maxess Road, Melville, NY 11747

Telephone: Area Code (631) 427-5665

Applicant/Agent's Signature: Sylwia E. Ner-Karas Date: 9/20/2023

#### F. SUBMISSION REQUIREMENTS

1. The applicant or agent shall submit the following documents to the **New York State Department of State, Office of Coastal, Local Government and Community Sustainability, Attn: Consistency Review Unit, 1 Commerce Plaza, 99 Washington Avenue - Suite 1010, Albany, New York 12231.**

- a. Copy of original signed form.
- b. Copy of the completed federal agency application.
- c. Other available information which would support the certification of consistency.

2. The applicant or agent shall also submit a copy of this completed form along with his/her application to the federal agency.

3. If there are any questions regarding the submission of this form, contact the Department of State at (518) 474-6000.

\*These state and local documents are available for inspection at the offices of many federal agencies, Department of environmental Conservation and Department of State regional offices, and the appropriate regional and county planning agencies. Local program documents are also available for inspection at the offices of the appropriate local government.

**Beaver Dam Creek Tidal Wetlands Restoration Pilot Project**  
**Conformance with New York State**  
**Coastal Zone Management Policies**

**1. Will the proposed activity result in any of the following:**

k) Transport, storage, treatment, or disposal of solid wastes or hazardous materials?

*Policy 36 Activities related to the shipment and storage of petroleum and other hazardous materials will be conducted in a manner that will prevent or at least minimize spills into coastal waters; all practicable efforts will be undertaken to expedite the cleanup of such discharges; and restitution for damages will be required when these spills occur.*

Response: N/A – The proposed project will not involve the movement, storage, or disposal of petroleum or other hazardous materials.

*Policy 39 The transport, storage, treatment and disposal of solid wastes, particularly hazardous wastes, within coastal areas will be conducted in such a manner so as to protect groundwater and surface water supplies, significant fish and wildlife habitats, recreation areas, important agricultural land, and scenic resources.*

Response: The Phragmites, other invasive vegetation, and dredging material will be removed and relocated on-site in an area upland of the project.

**2. Will the proposed activity affect or be located in, on, or adjacent to any of the following:**

a) State designated freshwater or tidal wetland? (44)

*Policy 44 Preserve and protect tidal and freshwater wetlands and preserve the benefits derived from these areas.*

Response: The purpose of this project is to create an intertidal system that will resemble more natural topography for a native wetland and contain non-invasive wetland vegetation after removal of invasive species has taken place

b) Federally designated flood and/or state designated erosion hazard area? (11, 12, 17,)

*Policy 11 Buildings and other structures will be sited in the coastal area so as to minimize damage to property and the endangering of human lives caused by flooding and erosion.*

Response: The turbidity curtain will help preventing sediment and debris from entering the main waterbody during the project. The project itself will consist of creating an interconnected tidal wetland system through the removal of invasive species and the creation of runnels and channels that will help reduce flooding.

*Policy 12 Activities or development in the coastal area will be undertaken so as to minimize damage to natural resources and property from flooding and erosion by protecting natural protective features including beaches, dunes, barrier islands and bluffs.*

Response: The turbidity curtain will prevent sediments and debris from reaching the main waterbody and possibly causing damage to the ecosystem. The removal of invasive species and creation of runnels and channels in the wetland will reduce flooding by creating more interconnected tidal wetland that will be flushed through each tidal cycle.

*Policy 17 Non-structural measures to minimize damage to natural resources and property from flooding and erosion shall be used whenever possible.*

Response: The turbidity curtain will be utilized to prevent sediments and debris from traveling out of the project site. Additional best management practices will be utilized to prevent impacts to water quality.

c) State designated significant fish and/or wildlife habitat? (7)

*Policy 7 Significant coastal fish and wildlife habitats will be protected, preserved, and where practical, restored so as to maintain their viability as habitats.*

Response: The turbidity curtain will protect coastal fish from sediments and debris in the water. The removal of invasive species and creation of runnels and channels will increase the site's viability as a natural wetland system that supports wildlife.

h) State, county, or local park? (19, 20)

*Policy 19 Protect, maintain, and increase the level and types of access to public water related recreation resources and facilities.*

Response: The pilot project will demonstrate if the previously disturbed habitat can be restored and provide more valuable resources to wildlife.

*Policy 20 Access to the publicly-owned foreshore and to lands immediately adjacent to the foreshore or the water's edge that are publicly-owned shall be provided and it shall be provided in a manner compatible with adjoining uses.*

Response: With the exception of the project site itself, access to surrounding publicly-owned foreshore will not be impeded.

**3. Will the proposed activity require any of the following:**

a) Waterfront site? (2, 21, 22)

*Policy 2 Facilitate the siting of water dependent uses and facilities on or adjacent to coastal waters.*

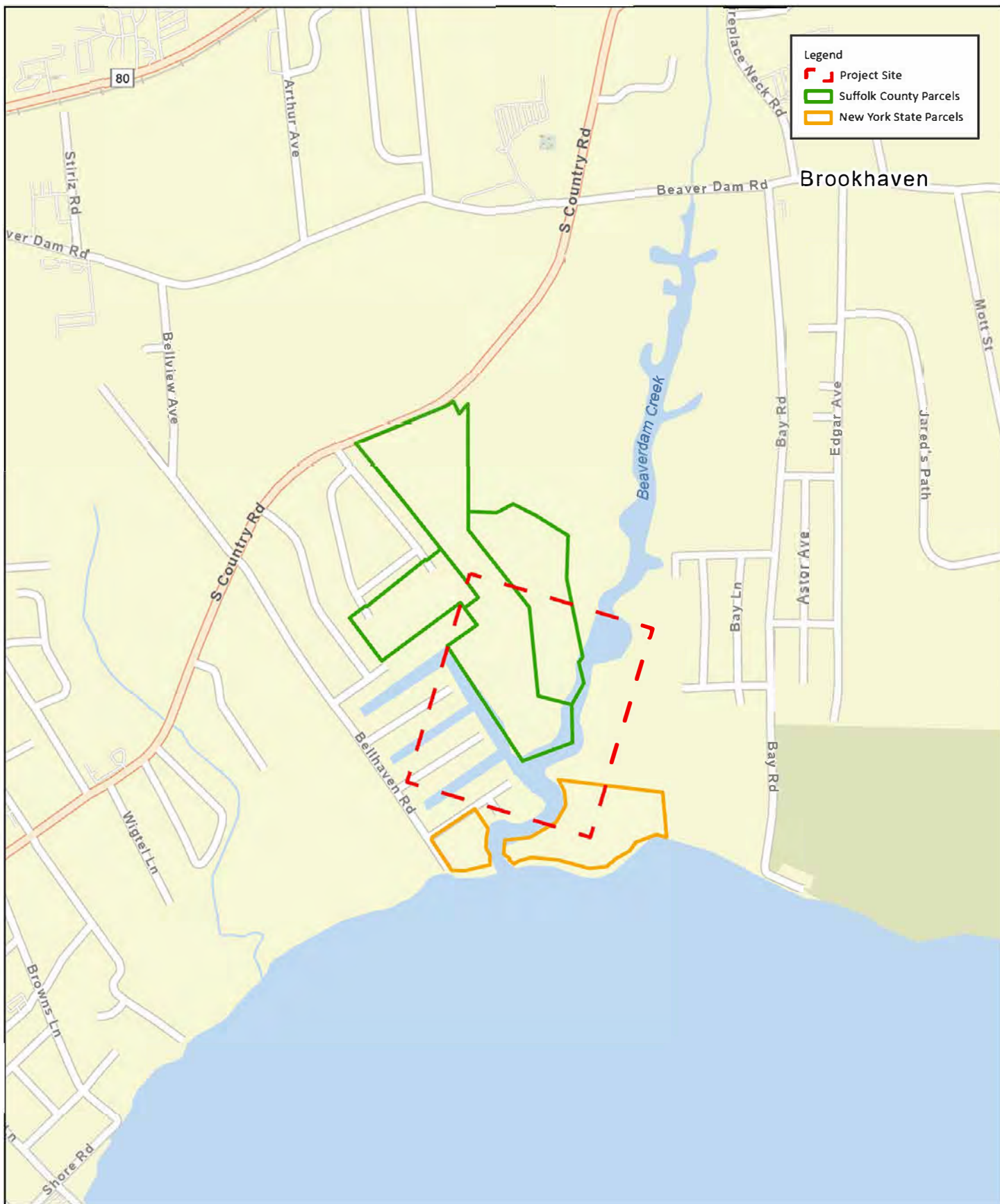
Response: No hard structures such as docks or bulkheads will be created during this project. Phragmites removal and creation of runnels and channels will strengthen the integrity of the tidal wetland and support wildlife and water dependent uses and facilities.

*Policy 21 Water dependent and water enhanced recreation will be encouraged and facilitated, and will be given priority over non-water-related uses along the coast.*

Response: The turbidity curtain will allow water dependent and water enhanced recreation to continue to occur in the coast surrounding the project site.

*Policy 22 Development when located adjacent to the shore will provide for water-related recreation whenever such use is compatible with reasonably anticipated demand for such activities, and is compatible with the primary purpose of the development.*

Response: The proposed project is compatible with primary use of the property.



NPV

## FIGURE 1 LOCATION MAP

Sources: NYS Orthoimagery, 2020; Suffolk County GIS, 2016;  
NYSDEC, 2016  
Scale: 1 inch equals 1,000 feet



Beaver Dam Creek  
Tidal Wetlands Restoration  
Town of Brookhaven

Article 25





**FIGURE 2  
AERIAL MAP**

Sources: ESRI WMS; Suffolk County GIS, 2016  
Scale: 1 inch equals 500 feet



**Beaver Dam Creek  
Tidal Wetlands Restoration  
Town of Brookhaven**

**Article 25**





- Legend
- └─┘ Project Site
  - Freshwater Wetlands
  - Suffolk County Parcels
  - New York State Parcels



**FIGURE 3**  
**NYSDEC FRESHWATER WETLANDS**

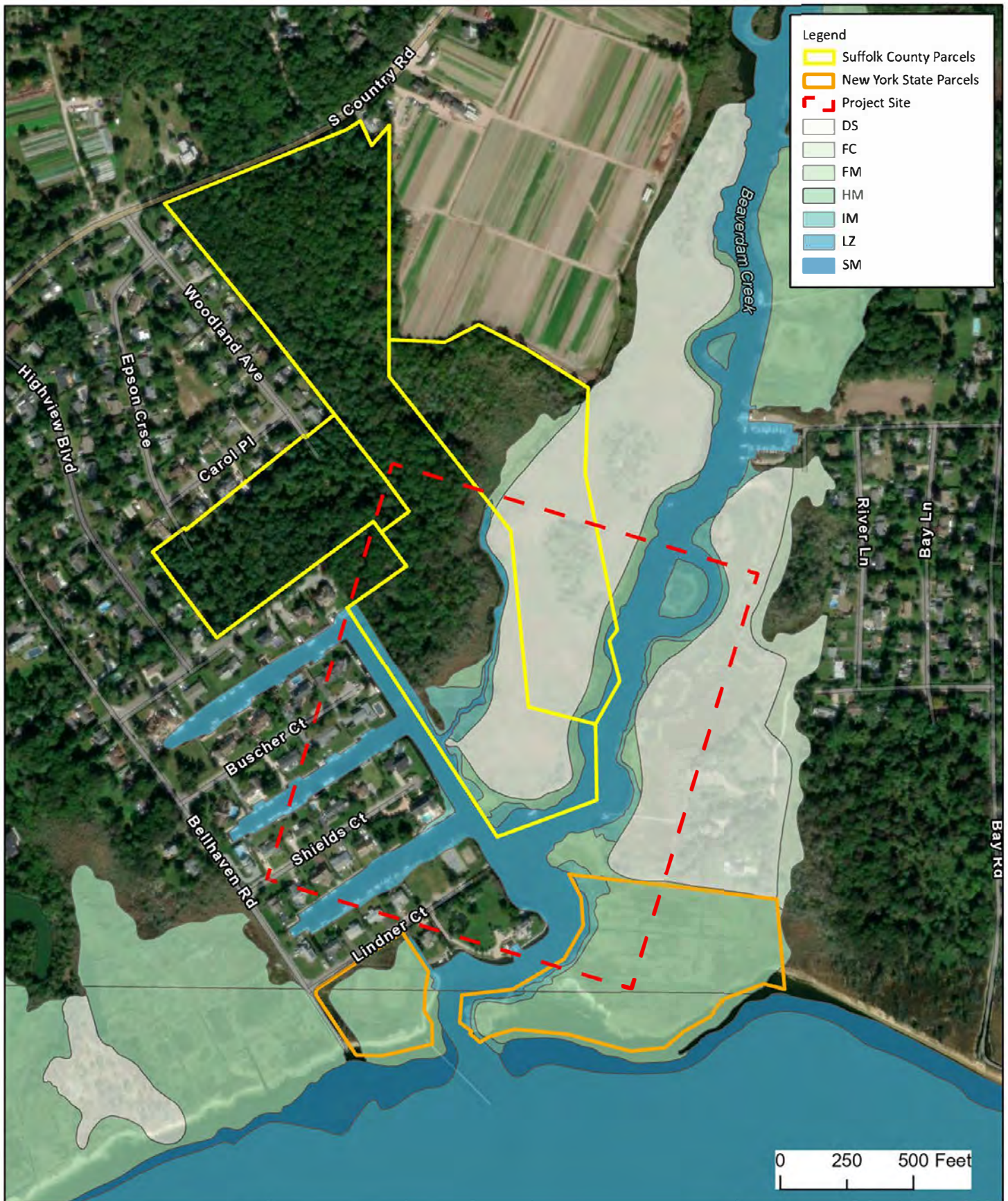
Sources: ESRI WMS: Suffolk County GIS, 2016; NYSDEC, 2016  
Scale: 1 inch equals 500 feet



**Beaver Dam Creek**  
**Tidal Wetlands Restoration**  
**Town of Brookhaven**

**Article 25**





**FIGURE 4**  
**NYSDEC TIDAL WETLANDS MAP**

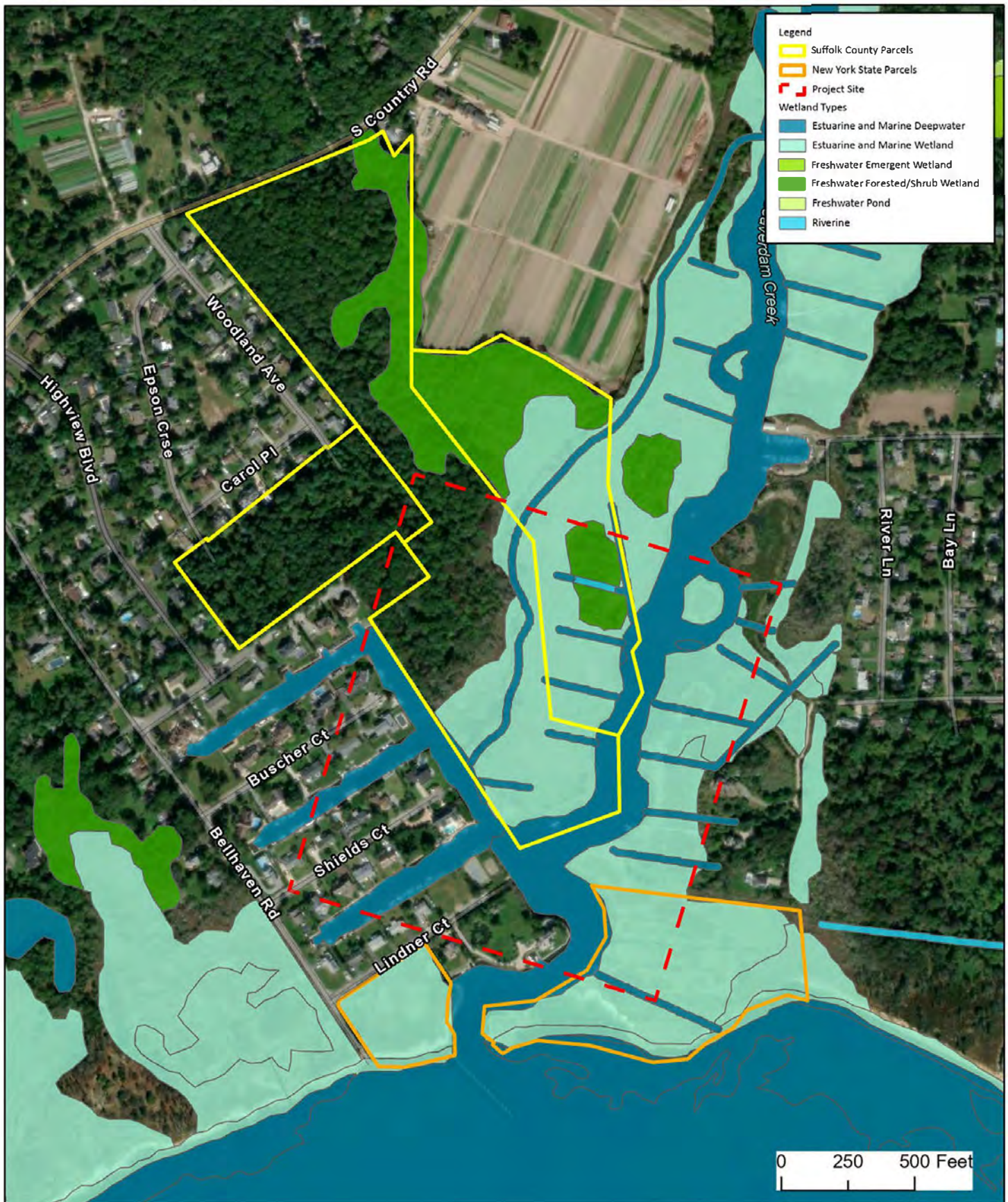
Sources: ESRI WMS; Suffolk County GIS, 2016; NYSDEC. 2016  
Scale: 1 inch equals 500 feet



**Beaver Dam Creek**  
**Tidal Wetlands Restoration**  
**Town of Brookhaven**

**Article 25**





**NPV**

## FIGURE 5 NATIONAL WETLANDS INVENTORY MAP

Sources: NYS Orthoimagery, 2020; Suffolk County GIS, 2016;  
USFWS, 2021  
Scale: 1 inch equals 500 feet



**Beaver Dam Creek  
Tidal Wetlands Restoration  
Town of Brookhaven**

**Article 25**





Photo 1: Vicinity of Beaver Dam Creek.

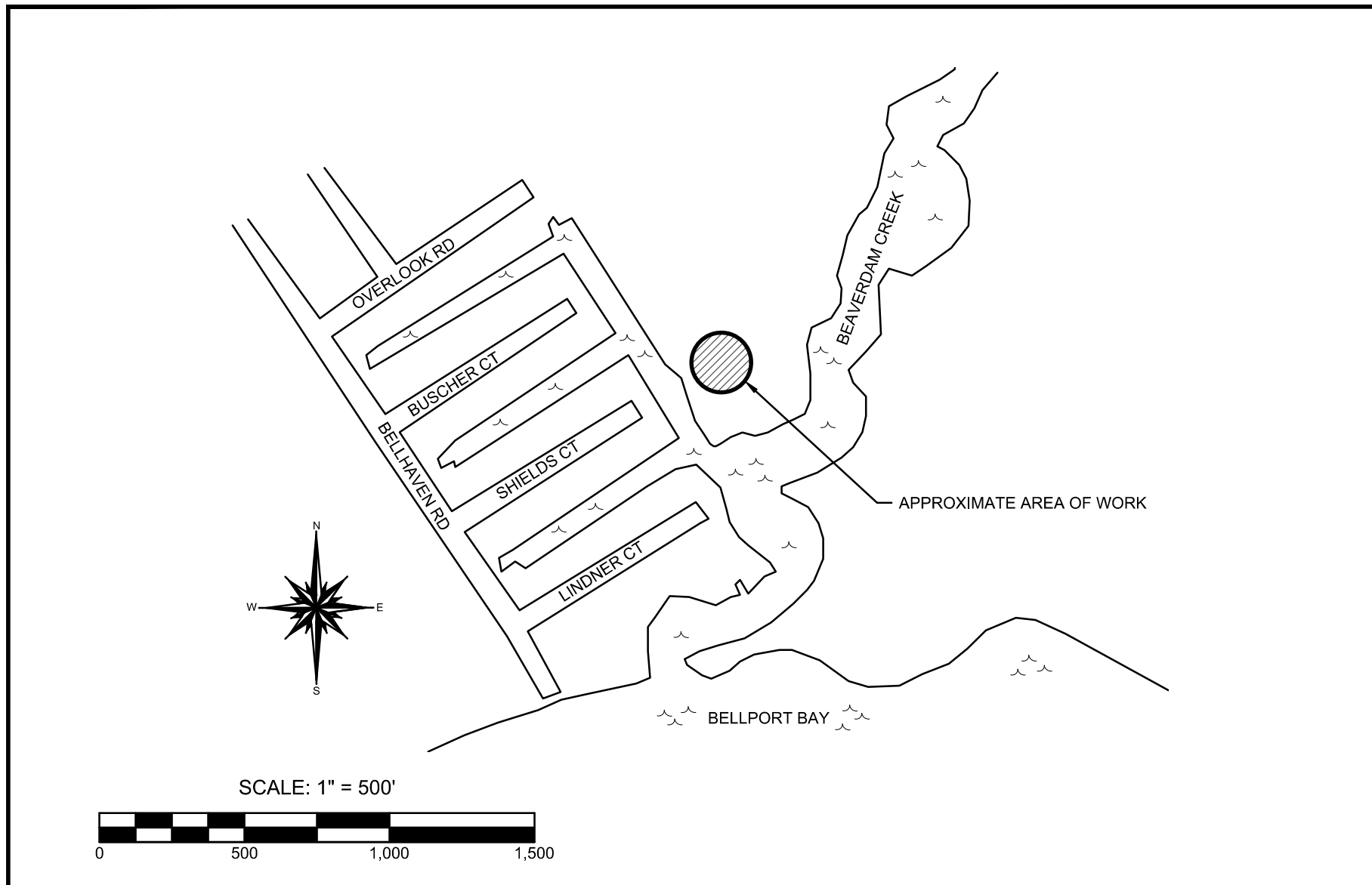


Photo 2: View at Beaver Dam Creek.





Photo 3: Dredge Spoil overgrown with *Phragmites* in vicinity of Beaver Dam Creek.



<div>KEY MAP</div> <div>BEAVERDAM CREEK</div> <div>WETLAND RESTORATION</div> <div>TOWN OF BROOKHAVEN</div> <div>SUFFOLK COUNTY, NY</div>	NO.	REVISION	DATE	DRAWN BY:	JRW	<div>DRAWING NO.:</div> <div>WPP-101</div> <div>SHEET NO.:</div> <div>1 OF 13</div>
				CHECKED BY:	CCV	
				DATE:	SEPT. 2023	
				CADD:	19029-WPP-8.DWG	
				PROJECT NO.:	19029	
<div><div><div></div><div></div><div></div><div></div></div><div><div>NELSON+POPE</div><div>engineers • architects • surveyors</div><div>70 Maxess Road, Melville, NY 11747 • 631.427.5665 • nelsonpope.com</div></div></div>						

## GENERAL NOTES

1. REFERENCE TO NELSON + POPE, NELSON + POPE ENGINEERS & SURVEYORS OR N+P SHALL MEAN N+P, ENGINEERING, ARCHITECTURE AND LAND SURVEYING, PLLC.
2. PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL THOROUGHLY FAMILIARIZE THEMSELVES WITH THE EXISTING SITE CONDITION AND THE CONTRACT DOCUMENTS, INCLUDING BUT NOT LIMITED TO THE PLANS, DETAILS AND SPECIFICATION FOR THE IMPROVEMENTS SHOWN HEREIN.
3. THE CONTRACTOR SHALL NOTIFY THE OWNER AND THE OWNER'S DESIGNATED REPRESENTATIVE(S) OF ANY AND ALL CONFLICTS ENCOUNTERED IMPACTING THE INSTALLATION AND CONSTRUCTION OF THE IMPROVEMENTS AS SHOWN HEREIN FOR DIRECTION.
4. THE CONTRACTOR SHALL CONSTRUCT AND INSTALL ALL IMPROVEMENTS SHOWN HEREIN IN GENERAL CONFORMANCE WITH THE PLANS, DETAILS AND SPECIFICATIONS PREPARED BY N+P AND THE STANDARDS, SPECIFICATIONS AND REQUIREMENTS OF THE JURISDICTIONAL ENTITY(S).
5. WHERE THERE IS A DISCREPANCY BETWEEN THE STANDARDS, SPECIFICATIONS AND REQUIREMENTS OF THE JURISDICTIONAL ENTITIES AND/OR THE N+P PLANS, DETAILS AND SPECIFICATIONS, THE MORE RESTRICTIVE REQUIREMENTS SHALL GOVERN.
6. THE CONTRACTOR SHALL COMPLY WITH ANY REFERENCE HEREIN TO THE DETAILS, STANDARDS, REQUIREMENTS AND/OR SPECIFICATIONS OF OTHER ENTITIES, INCLUDING BUT NOT LIMITED TO THE JURISDICTIONAL ENTITIES AND OTHER MUNICIPAL AND GOVERNMENTAL AGENCIES.
7. N+P SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, OR PROCEDURES UTILIZED BY THE CONTRACTOR, NOR FOR THE SAFETY OF PUBLIC OR CONTRACTOR'S EMPLOYEES; OR FOR THE FAILURE OF THE CONTRACTOR TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND ANY APPLICABLE FEDERAL, STATE, COUNTY AND LOCAL LAWS, REGULATIONS AND REQUIREMENTS.
8. OWNER/CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL PERMITS.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF THE APPROPRIATE PARTIES FOR THE REQUIRED OWNER, DESIGN PROFESSIONAL, UTILITY AND MUNICIPAL INSPECTIONS, TESTING AND AS-BUILT SURVEYING.
10. ALL JURISDICTIONAL ENTITIES, DESIGN PROFESSIONALS AND INSPECTION/TESTING ENTITIES SHALL BE PROVIDED A MINIMUM OF SEVENTY-TWO (72) HOURS IN ADVANCE ALL CONSTRUCTION FOR REQUIRED INSPECTION, TESTING AND DOCUMENTATION, UNLESS A LONGER NOTIFICATION TIMELINE IS OTHERWISE INDICATED AS A CONDITION OF MUNICIPAL APPROVAL OR PERMIT.
11. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR UTILIZING CONSTRUCTION PRACTICES FOLLOWING OSHA REQUIREMENTS AND ANY OTHER APPLICABLE LAWS AND REGULATIONS, INCLUDING BUT NOT LIMITED TO ALL CONSTRUCTION ACTIVITIES BELOW GRADE, ABOVE GRADE, CONFINED SPACE AND SIMILAR ASPECTS OF THE CONSTRUCTION ACTIVITIES.
12. THE CONTRACTOR IS RESPONSIBLE FOR SECURING THE CONSTRUCTION SITE IN ITS ENTIRETY DURING WORK AND NON-WORK HOURS.
13. FOR THE FULL DURATION OF CONSTRUCTION PERIOD, THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR FURNISHING, INSTALLATION, MAINTENANCE OF TEMPORARY TRAFFIC CONTROL DEVICES FOR THE MAINTENANCE AND PROTECTION OF VEHICULAR AND PEDESTRIAN TRAFFIC IN THE VICINITY OF THE LIMITS OF CONSTRUCTION IN COMPLIANCE WITH THE LATEST ADDITIONS OF THE NATIONAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), NYS SUPPLEMENT TO THE MUTCD AND AS REQUIRED BY THE JURISDICTIONAL ENTITY(S).

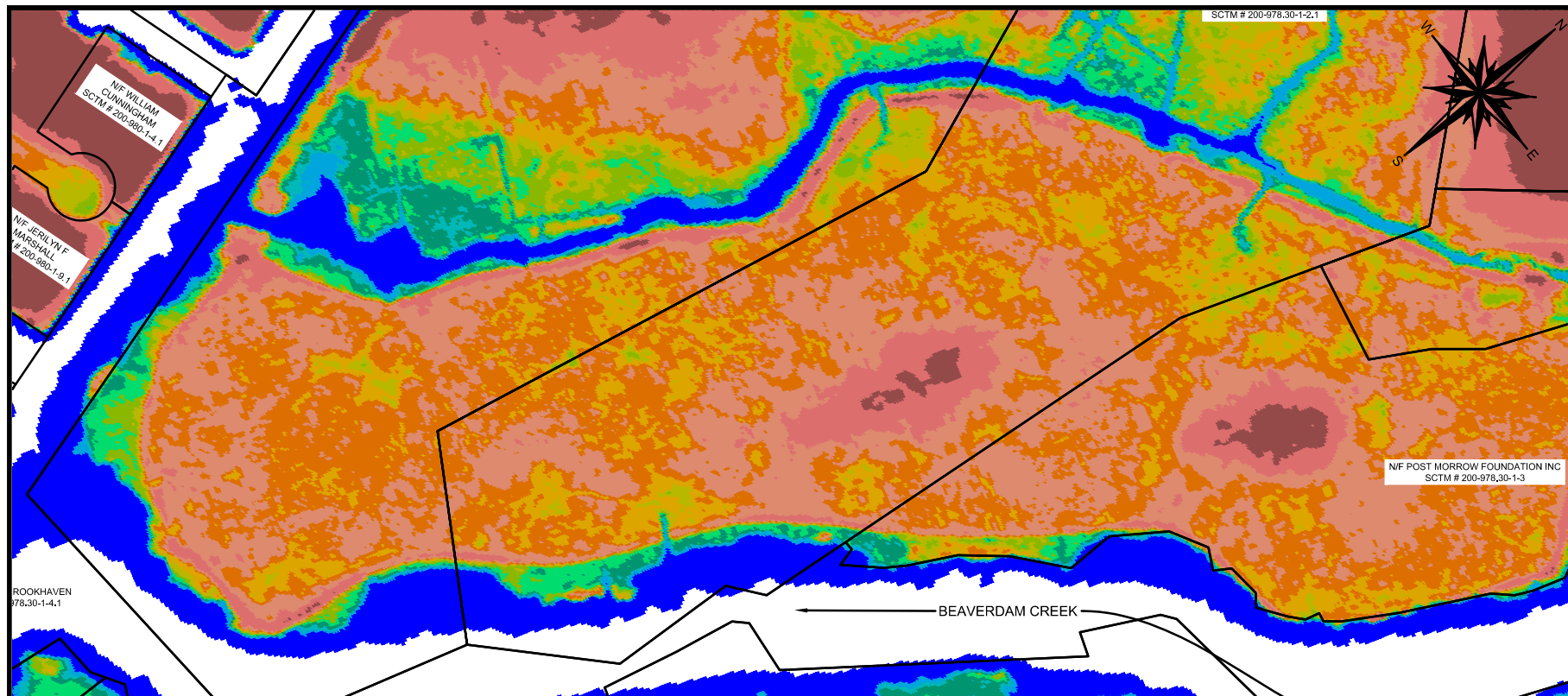
TOPOGRAPHY INFORMATION FROM NOAA 2016 POST SANDY DEM. AERIAL IMAGERY FROM NEW YORK STATE 2016 ORTHO-IMAGERY. ELEVATIONS REFER TO NAVD 88 DATUM.

IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW ARTICLE 145, PROFESSIONAL ENGINEERING AND LAND SURVEYING, SECTION 7209 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE SEAL OF AN ENGINEER OR LAND SURVEYOR IS ALTERED, THE ALTERING ENGINEER OR LAND SURVEYOR SHALL AFFIX TO THE ITEM HIS SEAL AND NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND SPECIFIC DESCRIPTION OF THE ALTERATION.

<b>NOTES</b>  <b>BEAVERDAM CREEK</b> <b>WETLAND RESTORATION</b> <b>TOWN OF BROOKHAVEN</b> <b>SUFFOLK COUNTY, NY</b>	NO.	REVISION	DATE	<b>DRAWN BY:</b>	<b>JRW</b>	<b>DRAWING NO.:</b> <b>WPP-102</b>  <b>SHEET NO.:</b> <b>2 OF 13</b>
				<b>CHECKED BY:</b>	<b>CCV</b>	
				<b>DATE:</b>	<b>SEPT. 2023</b>	
				<b>CADD:</b>	<b>19029-WPP-8.DWG</b>	
				<b>PROJECT NO.:</b>	<b>19029</b>	
	 <b>NELSON + POPE</b> <i>engineers • architects • surveyors</i> <small>70 Maxess Road, Melville, NY 11747 • 631.427.5665 • nelsonpope.com</small>					







SCALE: 1" = 200'

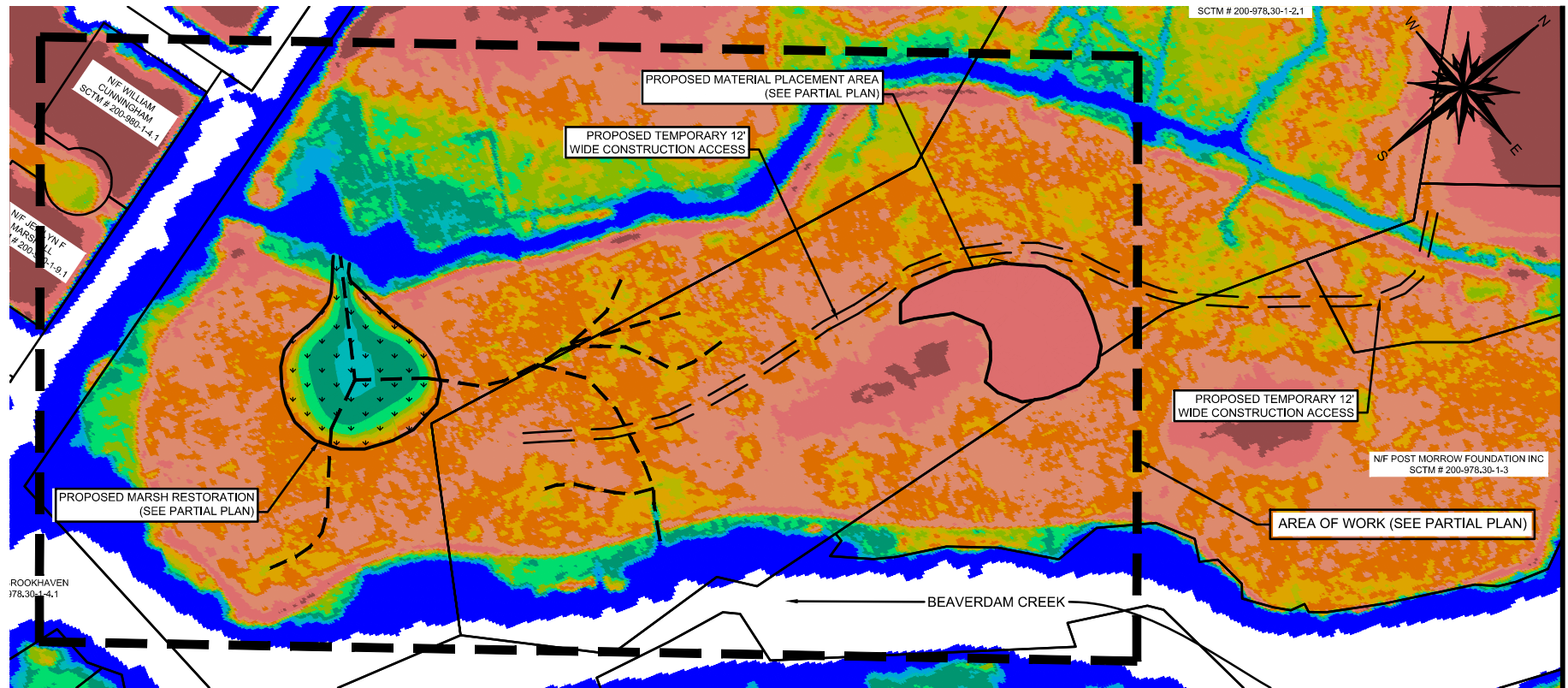


ELEVATION TABLE

ELEVATION RANGE	COLOR	ELEVATION RANGE	COLOR
MIN. - 0.00		1.80 - 2.00	
0.00 - 1.00		2.00 - 2.25	
1.00 - 1.20		2.25 - 2.50	
1.20 - 1.40		2.50 - 3.00	
1.40 - 1.60		3.00 - 4.00	
1.60 - 1.80		4.00 - MAX.	

<b>EXISTING CONDITIONS BEAVERDAM CREEK WETLAND RESTORATION TOWN OF BROOKHAVEN SUFFOLK COUNTY, NY</b>	NO.	REVISION	DATE	DRAWN BY: JRW	<b>DRAWING NO.: WPP-104 SHEET NO.: 4 OF 13</b>
	 <b>NELSON + POPE</b> <i>engineers • architects • surveyors</i> <small>70 Maxess Road, Melville, NY 11747 • 631.427.5665 • nelsonpope.com</small>			CHECKED BY: CCV	
				DATE: SEPT. 2023	
				CADD: 19029-WPP-8.DWG	





ROOKHAVEN  
178.30-1-4.1

SCTM # 200-978-30-1-2.1

PROPOSED MATERIAL PLACEMENT AREA  
(SEE PARTIAL PLAN)

PROPOSED TEMPORARY 12'  
WIDE CONSTRUCTION ACCESS

PROPOSED MARSH RESTORATION  
(SEE PARTIAL PLAN)

PROPOSED TEMPORARY 12'  
WIDE CONSTRUCTION ACCESS

N/F POST MORROW FOUNDATION INC  
SCTM # 200-978-30-1-3

AREA OF WORK (SEE PARTIAL PLAN)

BEAVERDAM CREEK

SCALE: 1" = 200'



ELEVATION TABLE

ELEVATION RANGE	COLOR	ELEVATION RANGE	COLOR
MIN. - 0.00		1.80 - 2.00	
0.00 - 1.00		2.00 - 2.25	
1.00 - 1.20		2.25 - 2.50	
1.20 - 1.40		2.50 - 3.00	
1.40 - 1.60		3.00 - 4.00	
1.60 - 1.80		4.00 - MAX.	

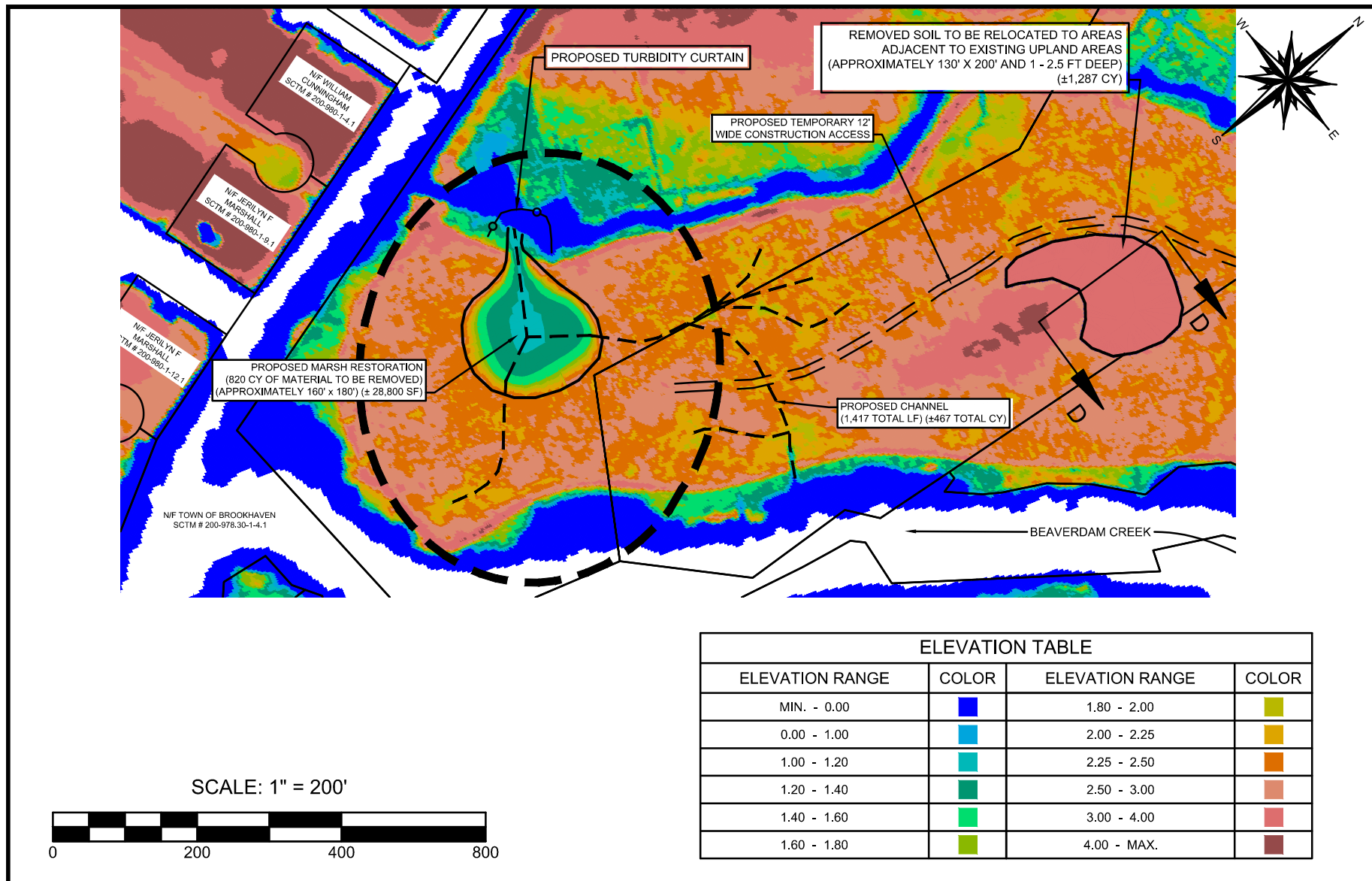
<p><b>OVERALL PLAN</b></p> <p><b>BEAVERDAM CREEK</b></p> <p><b>WETLAND RESTORATION</b></p> <p><b>TOWN OF BROOKHAVEN</b></p> <p><b>SUFFOLK COUNTY, NY</b></p>	NO.	REVISION	DATE	DRAWN BY: JRW	<p>DRAWING NO.: WPP-105</p> <p>SHEET NO.: 5 OF 13</p>
				CHECKED BY: CCV	
				DATE: SEPT. 2023	
				CADD: 19029-WPP-8.DWG	
				PROJECT NO.: 19029	
<p><b>NELSON + POPE</b></p> <p>engineers • architects • surveyors</p> <p>70 Maxess Road, Melville, NY 11747 • 631.427.5665 • nelsonpope.com</p>					



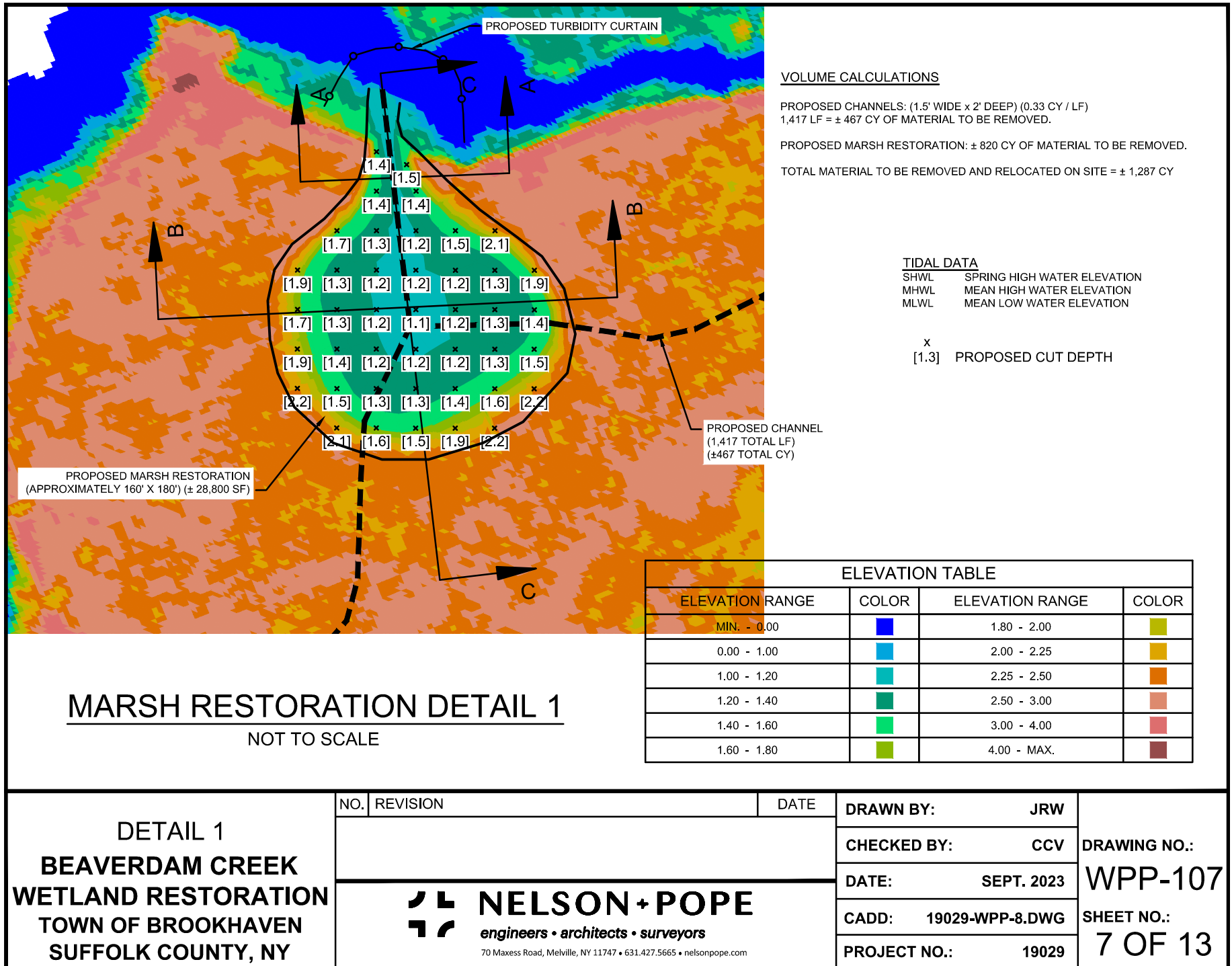
**NELSON + POPE**

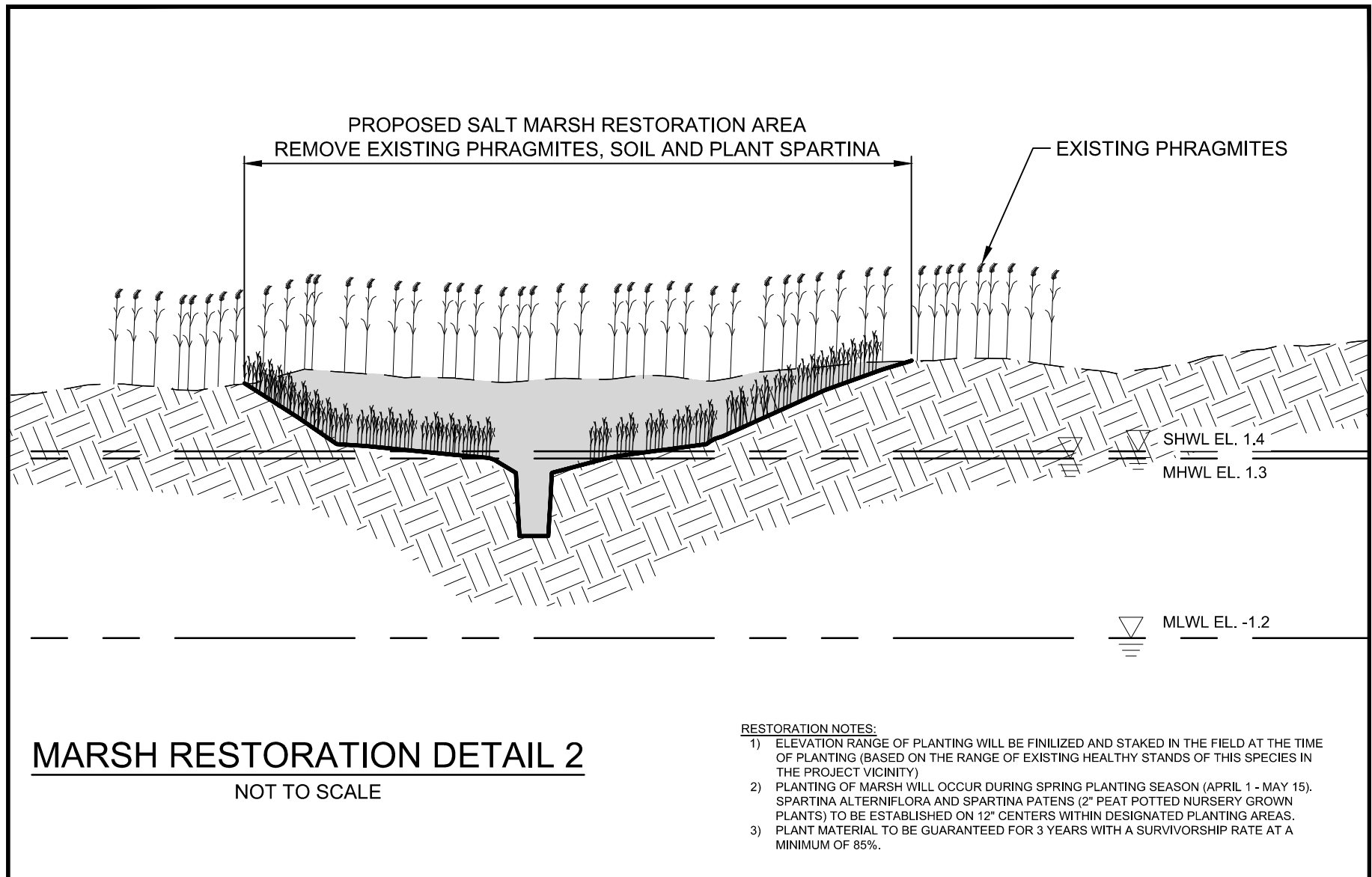
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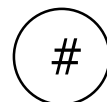
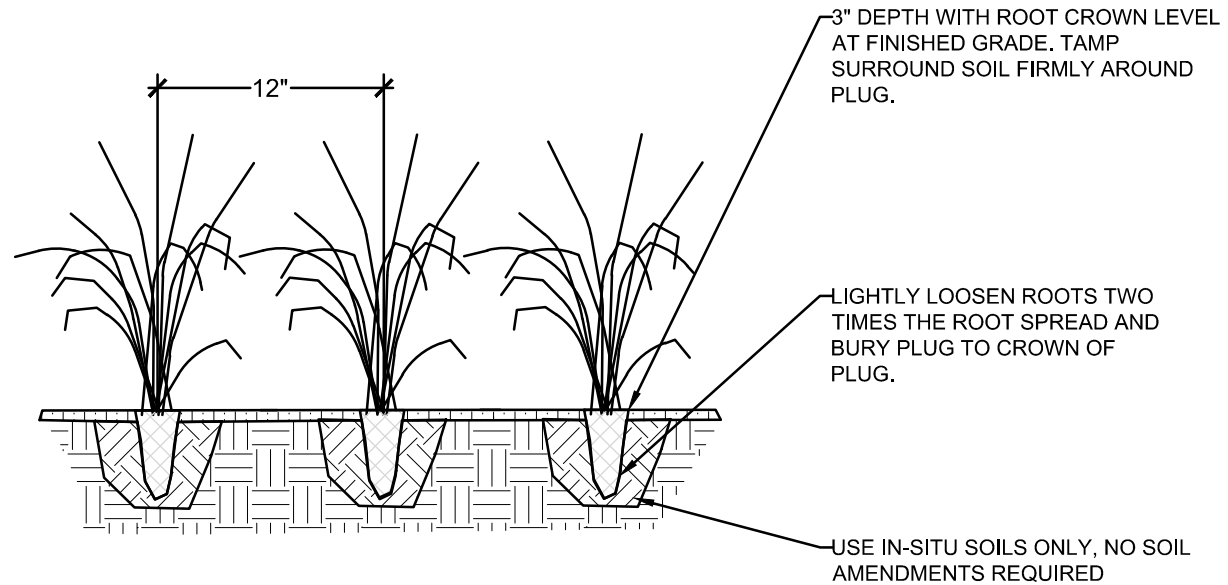


<b>PARTIAL PLAN BEAVERDAM CREEK WETLAND RESTORATION TOWN OF BROOKHAVEN SUFFOLK COUNTY, NY</b>	NO.	REVISION	DATE	DRAWN BY: JRW	<b>DRAWING NO.: WPP-106 SHEET NO.: 6 OF 13</b>
				CHECKED BY: CCV	
				DATE: SEPT. 2023	
				CADD: 19029-WPP-8.DWG	
				PROJECT NO.: 19029	
 <b>NELSON + POPE</b> engineers • architects • surveyors 70 Maxess Road, Melville, NY 11747 • 631.427.5665 • nelsonpope.com					





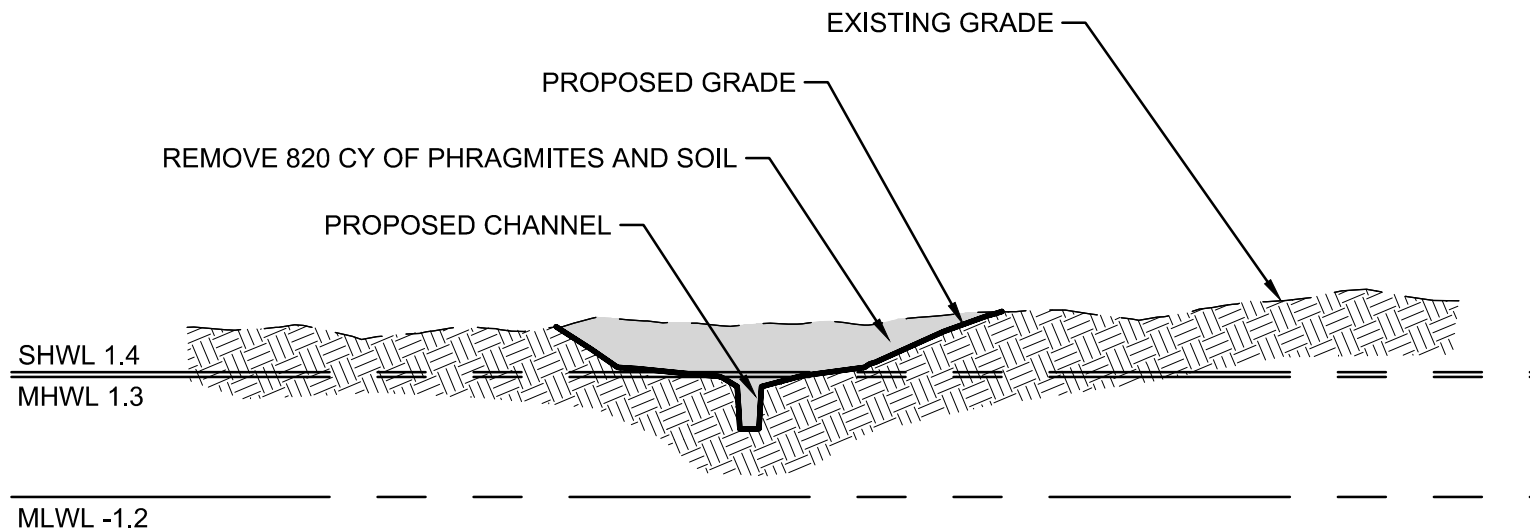
<div>DETAIL 2</div> <div>BEAVERDAM CREEK</div> <div>WETLAND RESTORATION</div> <div>TOWN OF BROOKHAVEN</div> <div>SUFFOLK COUNTY, NY</div>	NO.	REVISION	DATE	DRAWN BY:	JRW	<div>DRAWING NO.:</div> <div>WPP-108</div> <div>SHEET NO.:</div> <div>8 OF 13</div>
				CHECKED BY:	CCV	
				DATE:	SEPT. 2023	
				CADD:	19029-WPP-8.DWG	
				PROJECT NO.:	19029	
<div><div><div></div><div></div><div></div><div></div></div><div>NELSON + POPE</div><div>engineers • architects • surveyors</div><div>70 Maxess Road, Melville, NY 11747 • 631.427.5665 • nelsonpope.com</div></div>						



## PLUG INSTALLATION

Scale: NTS

<div>DETAIL 3</div> <div>BEAVERDAM CREEK</div> <div>WETLAND RESTORATION</div> <div>TOWN OF BROOKHAVEN</div> <div>SUFFOLK COUNTY, NY</div>	NO.	REVISION	DATE	DRAWN BY:	JRW	<div>DRAWING NO.:</div> <div>WPP-109</div> <div>SHEET NO.:</div> <div>9 OF 13</div>
				CHECKED BY:	CCV	
				DATE:	SEPT. 2023	
				CADD:	19029-WPP-8.DWG	
				PROJECT NO.:	19029	
	<div><div><div></div><div></div><div></div><div></div></div><div><div>NELSON + POPE</div><div>engineers • architects • surveyors</div><div>70 Maxess Road, Melville, NY 11747 • 631.427.5665 • nelsonpope.com</div></div></div>					

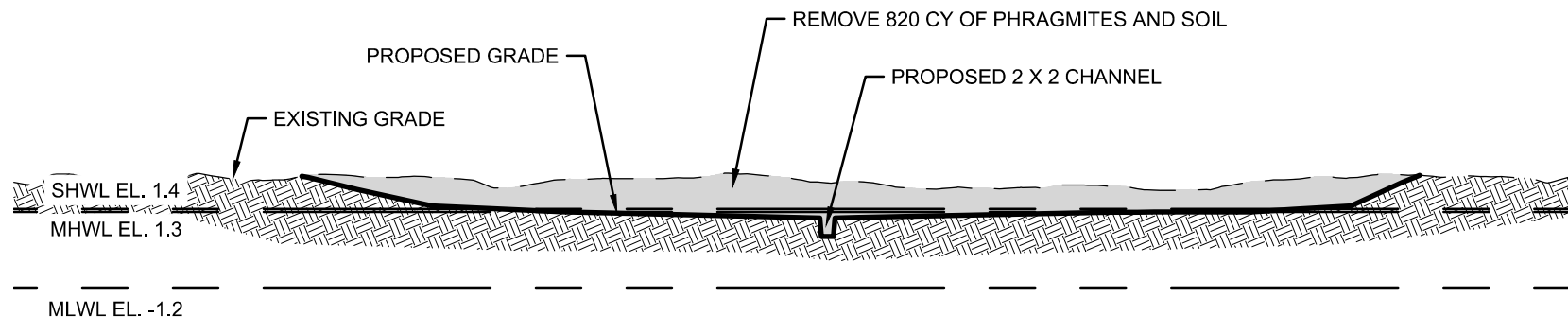


## SECTION A

1" = 20' (HORIZ)

1" = 4' (VERT)

<div>DETAIL 4</div> <div>BEAVERDAM CREEK</div> <div>WETLAND RESTORATION</div> <div>TOWN OF BROOKHAVEN</div> <div>SUFFOLK COUNTY, NY</div>	NO.	REVISION	DATE	DRAWN BY:	JRW	<div>DRAWING NO.:</div> <div>WPP-110</div> <div>SHEET NO.:</div> <div>10 OF 13</div>
				CHECKED BY:	CCV	
				DATE:	SEPT. 2023	
				CADD:	19029-WPP-8.DWG	
				PROJECT NO.:	19029	
			<div><div><div></div><div></div><div></div><div></div></div><div><div>NELSON + POPE</div><div>engineers • architects • surveyors</div><div>70 Maxess Road, Melville, NY 11747 • 631.427.5665 • nelsonpope.com</div></div></div>			



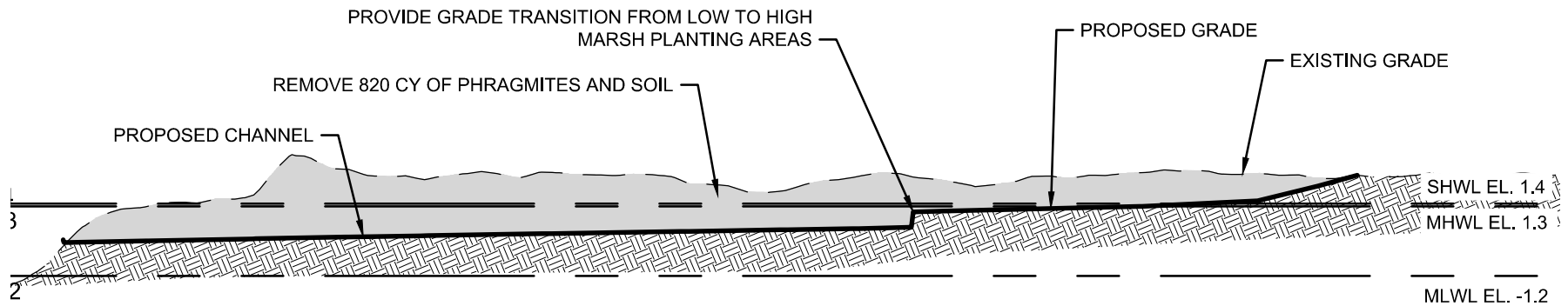
## SECTION B

1" = 30' (HORIZ)

1" = 6' (VERT)

<div>DETAIL 5</div> <div>BEAVERDAM CREEK</div> <div>WETLAND RESTORATION</div> <div>TOWN OF BROOKHAVEN</div> <div>SUFFOLK COUNTY, NY</div>	NO.	REVISION	DATE	DRAWN BY:	JRW	<div>DRAWING NO.:</div> <div>WPP-111</div> <div>SHEET NO.:</div> <div>11 OF 13</div>
				CHECKED BY:	CCV	
				DATE:	SEPT. 2023	
				CADD:	19029-WPP-8.DWG	
				PROJECT NO.:	19029	
			<div><div><div></div><div></div><div></div><div></div></div><div><div>NELSON+POPE</div><div>engineers • architects • surveyors</div><div>70 Maxess Road, Melville, NY 11747 • 631.427.5665 • nelsonpope.com</div></div></div>			





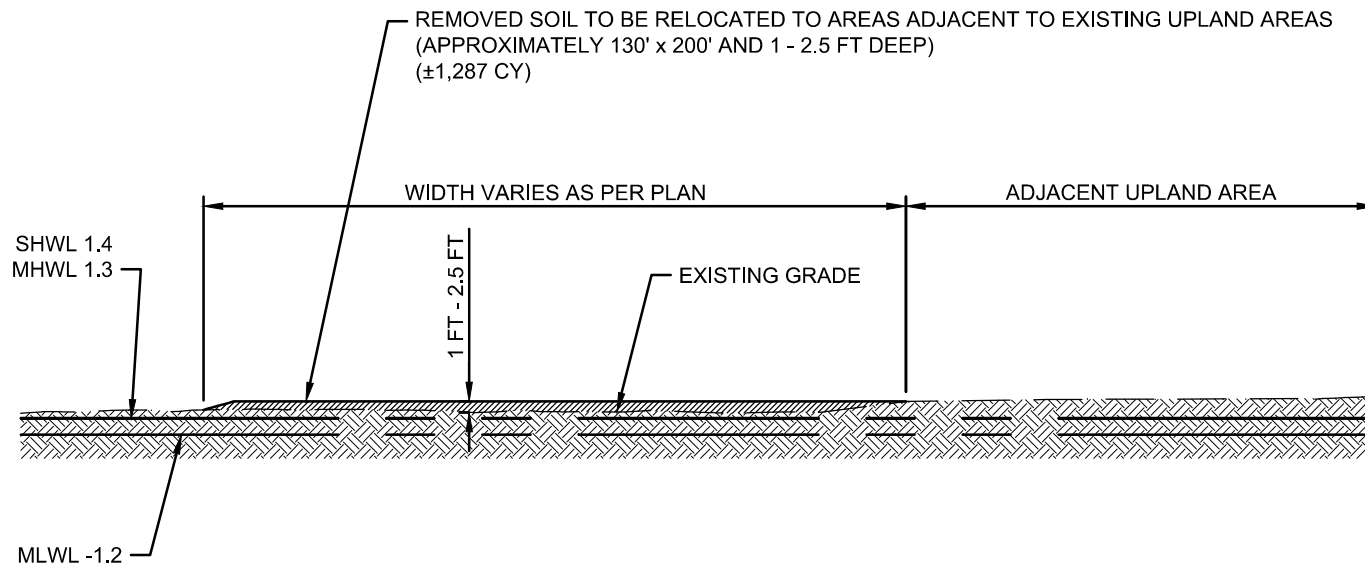
## SECTION C

1" = 30' (HORIZ)

1" = 6' (VERT)

<div>DETAIL 6</div> <div>BEAVERDAM CREEK</div> <div>WETLAND RESTORATION</div> <div>TOWN OF BROOKHAVEN</div> <div>SUFFOLK COUNTY, NY</div>	NO.	REVISION	DATE	DRAWN BY:	JRW	<div>DRAWING NO.:</div> <div>WPP-112</div> <div>SHEET NO.:</div> <div>12 OF 13</div>
				CHECKED BY:	CCV	
				DATE:	SEPT. 2023	
				CADD:	19029-WPP-8.DWG	
				PROJECT NO.:	19029	
<div><div><div></div><div></div><div></div><div></div></div><div><div>NELSON + POPE</div><div>engineers • architects • surveyors</div><div>70 Maxess Road, Melville, NY 11747 • 631.427.5665 • nelsonpope.com</div></div></div>						





## SECTION D

1" = 30' (HORIZ)

1" = 30' (VERT)

<div>DETAIL 7</div> <div>BEAVERDAM CREEK</div> <div>WETLAND RESTORATION</div> <div>TOWN OF BROOKHAVEN</div> <div>SUFFOLK COUNTY, NY</div>	NO.	REVISION	DATE	DRAWN BY:	JRW	<div>DRAWING NO.:</div> <div>WPP-113</div> <div>SHEET NO.:</div> <div>13 OF 13</div>
				CHECKED BY:	CCV	
				DATE:	SEPT. 2023	
				CADD:	19029-WPP-8.DWG	
				PROJECT NO.:	19029	
<div><div><div></div><div></div><div></div><div></div></div><div><div>NELSON + POPE</div><div>engineers • architects • surveyors</div><div>70 Maxess Road, Melville, NY 11747 • 631.427.5665 • nelsonpope.com</div></div></div>						