

COUNTY OF SUFFOLK



STEVEN BELLONE
COUNTY EXECUTIVE

DEPARTMENT OF ECONOMIC DEVELOPMENT AND PLANNING
DIVISION OF PLANNING AND ENVIRONMENT
COUNCIL ON ENVIRONMENTAL QUALITY

Tom Gulbransen
Chairperson
CEQ

MEMORANDUM

TO: Involved/Interested Parties

FROM: John Corral, Environmental Projects Coordinator *JC*

DATE: September 10, 2020

RE: Proposed Improvements to CR 21 Middle Island-Yaphank Road in the Vicinity of Longwood Road, CP 5138, Town of Brookhaven

Enclosed is an Environmental Assessment Form for the above referenced County project which has been submitted to the Council on Environmental Quality (CEQ) for review. Pursuant to Title 6 NYCRR Part 617 and Chapter 450 of the Suffolk County Code, the CEQ must recommend a SEQRA classification for the action and determine whether it may have a significant adverse impact on the environment which would require the preparation of a Draft Environmental Impact Statement (DEIS).

The Council would like to know your environmental concerns regarding this proposal and whether you think a DEIS or a determination of non-significance is warranted. This project will be discussed at the **September 16, 2020** CEQ meeting via Zoom. If you are unable to attend the meeting to present your views, please forward any recommendations or criticisms to this office prior the date of the meeting. **If the Council has not heard from you by the meeting date, they will assume that you feel that the action will not have significant adverse environmental impacts and should proceed accordingly.**

JC/cd
Enc.

cc: Ken Zegel, Chief – Office of Ecology, Principal Public Health Engineer
Suffolk County Department of Health Services
Andrew P. Freleng, Chief Planner
Department of Economic Development and Planning

SUFFOLK COUNTY
FULL ENVIRONMENTAL ASSESSMENT FORM
6 NYCRR Part 617
State Environmental Quality Review

Part 1 – Environment and Setting

Instructions: Part 1 is to be completed by the applicant or project sponsor. Complete Part 1 based on information currently available. If additional research or investigation would be needed to fully respond to any item, please answer as thoroughly as possible based on current information; indicate whether missing information does not exist, or is not reasonably available to the sponsor; and, when possible, generally describe work or studies which would be necessary to update or fully develop that information. If a question is not applicable to the proposed project indicate with “N/A”.

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

A. Project and Sponsor Information

Name of Action/Project: Improvements to CR 21, Middle Island-Yaphank Road in the Vicinity of Longwood Road
Project Location (specify Town, Village, Hamlet and attach general location map*): Middle Island, Town of Brookhaven
Street Address: Yaphank-Middle Island Road, Middle Island
Name of Property or Waterway: CR 21, Middle Island-Yaphank Road

* Maps of Property and Project: Attach relevant available maps including a location map (note: use road map, Hagstrom Atlas, USGS topography map, tax map or equivalent) and preliminary site plans showing orientation, scale, buildings, roads, landmarks, drainage systems, area to be altered by project, etc.

Type of Project: New Expansion

Capital Program: Item # 5138 Date Adopted: 2020 Amount: \$3,750,000

Brief Description of Proposed Action (include purpose or need/attach relevant design reports, plans, etc.): The intersection of CR 21 and Longwood Road experiences frequent flooding as a result of a high groundwater table due to the proximity of the Carmans River and inadequate drainage facilities. The primary goals of the project are to alleviate the frequency and severity of this flooding, improve the operation of the roadway in the vicinity of the intersection and to rehabilitate the pavement surface.

To address the flooding issues the intersection will be raised by approximately 15 inches and the outlet of the existing drainage system will be greatly improved. Presently the system terminates with a bubbler basin and discharge from this structure flows overland directly to the adjacent Carmans River. This project will direct the discharge to an existing swale area located within the existing Right-of-Way whereby the stormwater will be retained prior to gradually overflowing in a controlled manner to the Carmans River in case of a substantial storm event. The existing swale will be dug deeper and regraded to increase the storage capacity substantially greater than the capacity that currently exists. Among the benefits of the new outfall configuration are that sediment and debris from the "first flush" will be allowed to settle out versus the nearly direct discharge to the river that now occurs. Rip rap will be placed at the downstream end of the swale to reduce the velocity of the overflow to the river during substantial storm events.

Operational improvements will consist of lengthening the right turn lane from northbound CR 21 to Longwood Road, improving the lane widths and left turn lane storage of the westbound approach of Longwood Road to CR 21 and rebuilding of the traffic signal at the intersection of CR 21 and Longwood Road to meet current standards. In conjunction with raising the elevation of the intersection, the existing pavement in the vicinity of the intersection will be resurfaced and new pavement markings and signing will be installed.

Due to its proximity to the CR 21 and Longwood Road intersection, the entrance road to Cathedral Pines County Park will be raised by approximately 8 inches. There will be minimal disturbance of the grass shoulders adjacent to the road resulting from regrading necessary to eliminate the slight dropoff created by raising the elevation of the road.

This project may include ancillary work to be performed by various utility companies, which may include relocating underground and/or overhead electric, underground and/or overhead telephone/communications, and underground gas, water, and/or sewer infrastructure as necessary to construct the highway improvements proposed by this Capital Improvement Project.

Project Status:

	Start	Completion
Proposal		
Study		
Preliminary Planning	01/18	09/20
Final Plans: Specs	10/20	11/21
Site Acquisition		
Construction	04/22	12/22
Other		

Departments Involved:

Dept. Performing Design &
Construction

Initiating Dept. (if different)

Name:	Suufolk County DPW	
Street/PO:	335 Yaphank Avenue	
City, State:	Yaphank, NY	

Zip:	11980	
Contact Person:	Alex Gimpelman, P.E.	
Business Phone:	(631) 852-4240	
Email:	Alex.Gimpelman@suffolkcountyny.gov	

B. Government Approvals, Funding or Sponsorship

("Funding" includes grants, loans, tax relief and any other forms of financial assistance)

Government Entity			If "Yes": Identify Agency and Approval(s) Required	Application Date (Actual or Projected)				
i. City Council, Town Board or Village Board of Trustees	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>						
ii. City, Town or Village Planning Board or Commission	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>						
iii. City, Town or Village Zoning Board of Appeals	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>						
iv. Other local agencies	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Town of Brookhaven Highway Department Permit	10/2020				
v. County agencies	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	CEQ - SEQRA review SC Legislature - SEQRA review and funding	09/2020				
vi. Regional agencies	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NYS Central Pine Barrens Commission - Request for Determination of Jurisdiction and project review if applicable	09/2020				
vii. State agencies	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NYSDEC - Freshwater Wetlands and WSR Rivers Permits	10/2020				
viii. Federal agencies	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>						
ix. Coastal Resources Is the project site within a Coastal Area or the waterfront area of a Designated Inland Waterway? If YES, <table border="1" style="width: 100%;"> <tr> <td>Is the project site located in a community with an approved Local Waterfront Revitalization Program?</td> <td>Yes <input type="checkbox"/> No <input type="checkbox"/></td> </tr> <tr> <td>Is the project site within a Coastal Erosion Hazard Area?</td> <td>Yes <input type="checkbox"/> No <input type="checkbox"/></td> </tr> </table>				Is the project site located in a community with an approved Local Waterfront Revitalization Program?	Yes <input type="checkbox"/> No <input type="checkbox"/>	Is the project site within a Coastal Erosion Hazard Area?	Yes <input type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
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Is the project site within a Coastal Erosion Hazard Area?	Yes <input type="checkbox"/> No <input type="checkbox"/>							

C. Planning and Zoning

C.1. Planning and Zoning Actions	
Will administrative or legislative adoption or amendment of a plan, local law, ordinance, rule or regulation be the only approval(s) which must be granted to enable the proposed action to proceed?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
C.2. Adopted Land Use Plans	
a. Do any municipally-adopted (city, town, village or county) comprehensive land use plan(s) include the site where the proposed action would be located?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

<p>If Yes: Does the comprehensive plan include specific recommendations for the site where the proposed action would be located? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>	
<p>b. Is the site of the proposed action within any local or regional special planning district (i.e. Greenway Brownfield Opportunity Area (BOA); designated State or Federal heritage area; watershed management plan; et. al)?</p> <p>If Yes, identify the plan(s): _____</p>	<p>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>
<p>c. Is the proposed action located wholly or partially within an area listed in an adopted municipal open space plan, or an adopted municipal farmland protection plan?</p> <p>If Yes, identify the plan(s): _____</p>	<p>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>
<p>C.3. Zoning</p>	
<p>a. Is the site of the proposed action located in a municipality with an adopted zoning law or ordinance?</p> <p>If Yes, what is the zoning classification(s) including any applicable overlay district? A Residence 2 & A Residence 5, Town of Brookhaven Hydrogeologic Sensitive Zone</p>	<p>Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p>
<p>b. Is the use permitted or allowed by a special or conditional use permit?</p>	<p>Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p>
<p>c. Is a zoning change requested as part of the proposed action?</p> <p>If Yes, what is the proposed new zoning for the site? _____</p>	<p>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>
<p>C.4. Existing Community Services</p>	
<p>a. In what school district is the project site located? Longwood Central School District</p>	
<p>b. What police or other public protection forces serve the project site? Suffolk County PD</p>	
<p>c. Which fire protection and emergency medical services serve the project site? Middle Island Fire Department</p>	
<p>d. What parks serve the project site? Cathedral Pines and Prosser Pines County Parks</p>	

D. Project Details

<p>D.1. Proposed and Potential Development</p>	
<p>a. What is the general nature of the proposed action? (if mixed, include all components) Residential <input type="checkbox"/>; Industrial <input type="checkbox"/>; Commercial <input type="checkbox"/>; Recreational <input type="checkbox"/>; Other <input checked="" type="checkbox"/>: Roadway</p>	
<p>b. Total acreage of the site of the proposed action:</p>	<p>7.32 acres</p>
<p>c. Total acreage to be physically disturbed:</p>	<p>0.80 acres</p>
<p>d. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor:</p>	<p>7.32 acres</p>

<p>e. Is the proposed action an expansion of an existing project or use?</p> <p>If Yes, what is the approximate percentage of the proposed expansion and identify the units (e.g., acres, miles, housing units, square feet, etc.)?</p> <div style="border: 1px solid black; padding: 2px; margin-top: 5px;"> Approximately 4,000 SF (0.09 Acres) of impervious area will be created representing an increase of approximately 2.6 %. </div>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>															
<p>f. Is the proposed action a subdivision, or does it include a subdivision?</p> <p>If Yes:</p> <p style="margin-left: 20px;">i. Purpose or type of subdivision? (if mixed, specify types) Residential <input type="checkbox"/>; Industrial <input type="checkbox"/>; Commercial <input type="checkbox"/>; Recreational <input type="checkbox"/>; Other <input type="checkbox"/></p> <p style="margin-left: 20px;">ii.</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-left: 20px;"> <tr> <td style="padding: 2px;">Is a cluster/conservation layout proposed?</td> <td style="padding: 2px; text-align: center;">Yes <input type="checkbox"/> No <input type="checkbox"/></td> </tr> <tr> <td style="padding: 2px;">Number of lots proposed:</td> <td style="padding: 2px;"></td> </tr> <tr> <td style="padding: 2px;">Minimum and maximum proposed lot sizes:</td> <td style="padding: 2px;"></td> </tr> </table>	Is a cluster/conservation layout proposed?	Yes <input type="checkbox"/> No <input type="checkbox"/>	Number of lots proposed:		Minimum and maximum proposed lot sizes:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>									
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<p>g. Will proposed action be constructed in multiple phases?</p> <p>If No, What is the anticipated period of construction?</p> <div style="border: 1px solid black; padding: 2px; margin-top: 5px;"> One year </div> <p>If Yes:</p> <div style="border: 1px solid black; padding: 2px; margin-top: 5px;"> Total number of phases anticipated: </div> <div style="border: 1px solid black; padding: 2px; margin-top: 5px;"> Anticipated commencement date of phase I (including demolition): </div> <div style="border: 1px solid black; padding: 2px; margin-top: 5px;"> Anticipated completion date of final phase: </div> <div style="border: 1px solid black; padding: 2px; margin-top: 5px;"> Generally describe connections or relationships among phases, including any contingencies where progress of one phase may determine timing or duration of future phases: </div>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>															
<p>h. Does the project include new residential uses?</p> <p>If Yes, show number of units proposed.</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr> <th style="width: 20%;"></th> <th style="width: 20%;">Single Family</th> <th style="width: 20%;">Two Family</th> <th style="width: 20%;">Three Family</th> <th style="width: 20%;">Multi-Family (4+)</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;">Initial Phase</td> <td style="padding: 2px;"></td> <td style="padding: 2px;"></td> <td style="padding: 2px;"></td> <td style="padding: 2px;"></td> </tr> <tr> <td style="padding: 2px;">At Completion</td> <td style="padding: 2px;"></td> <td style="padding: 2px;"></td> <td style="padding: 2px;"></td> <td style="padding: 2px;"></td> </tr> </tbody> </table>		Single Family	Two Family	Three Family	Multi-Family (4+)	Initial Phase					At Completion					Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
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At Completion																

<p>i. Does the proposed action include new non-residential construction (including expansions)?</p> <p>If Yes:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Total Number of Structures:</td> </tr> <tr> <td style="padding: 2px;">Dimensions of largest proposed structure:</td> </tr> <tr> <td style="padding: 2px;">Approximate extent of building space to be heated or cooled:</td> </tr> </table>	Total Number of Structures:	Dimensions of largest proposed structure:	Approximate extent of building space to be heated or cooled:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			
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<p>j. Does the proposed action include construction or other activities that will result in the impoundment of any liquids, such as creation of a water supply, reservoir, pond, lake, waste lagoon or other storage?</p> <p>If Yes:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Purpose of the impoundment: Swale for detention and infiltration of stormwater runoff</td> </tr> <tr> <td style="padding: 2px;">If a water impoundment, the principal source of the water: Ground Water <input type="checkbox"/>; Surface Water Streams <input type="checkbox"/>; Other <input checked="" type="checkbox"/> (specify): Stormwater runoff</td> </tr> <tr> <td style="padding: 2px;">If other than water, identify the type of impounded/contained liquids and their source:</td> </tr> <tr> <td style="padding: 2px;">Approximate size of the proposed impoundment (include units): Volume: 25,000 CF Surface area: 16,500 SF</td> </tr> <tr> <td style="padding: 2px;">Dimensions of the proposed dam or impounding structure: 2.5' Design Depth</td> </tr> <tr> <td style="padding: 2px;">Construction method/materials for the proposed dam or impounding structure (e.g., earth fill, rock, wood, concrete): Earth excavation for expansion of existing swale area</td> </tr> </table>	Purpose of the impoundment: Swale for detention and infiltration of stormwater runoff	If a water impoundment, the principal source of the water: Ground Water <input type="checkbox"/> ; Surface Water Streams <input type="checkbox"/> ; Other <input checked="" type="checkbox"/> (specify): Stormwater runoff	If other than water, identify the type of impounded/contained liquids and their source:	Approximate size of the proposed impoundment (include units): Volume: 25,000 CF Surface area: 16,500 SF	Dimensions of the proposed dam or impounding structure: 2.5' Design Depth	Construction method/materials for the proposed dam or impounding structure (e.g., earth fill, rock, wood, concrete): Earth excavation for expansion of existing swale area	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
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D.2. Project Operations							
<p>a. Does the proposed action include any excavation, mining or dredging, during construction, operations or both? (Not including general site preparation, grading or installation of utilities or foundations where all excavated materials will remain onsite)</p> <p>If Yes:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">What is the purpose of the excavation or dredging? Excavation will be performed under this project to expand an existing swale area and for widening of the existing roadway.</td> </tr> <tr> <td style="padding: 2px;">How much material (including rock, earth, sediments, etc.) is proposed to be removed from the site? Volume: 1,000 CY Over what duration of time: 6 Months</td> </tr> <tr> <td style="padding: 2px;">Describe nature and characteristics of materials to be excavated or dredged, and plans to use, manage or dispose of them: Materials consist of topsoil/loam and underlying sandy soils as well as existing asphalt pavement and concrete curb. The asphalt and concrete (approx. 100 CY) will be removed from the site and processed at off-site recycling facilities. Approximately half of the remaining materials will be re-used on-site for grading of roadside areas with the other half trucked from the site.</td> </tr> </table>	What is the purpose of the excavation or dredging? Excavation will be performed under this project to expand an existing swale area and for widening of the existing roadway.	How much material (including rock, earth, sediments, etc.) is proposed to be removed from the site? Volume: 1,000 CY Over what duration of time: 6 Months	Describe nature and characteristics of materials to be excavated or dredged, and plans to use, manage or dispose of them: Materials consist of topsoil/loam and underlying sandy soils as well as existing asphalt pavement and concrete curb. The asphalt and concrete (approx. 100 CY) will be removed from the site and processed at off-site recycling facilities. Approximately half of the remaining materials will be re-used on-site for grading of roadside areas with the other half trucked from the site.	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			
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D.2.a (cont.) – only answer following if checked “Yes” above

<p>Will there be onsite dewatering or processing of excavated materials? If Yes, describe: No</p> <p>What is the total area to be dredged or excavated? Approximately 0.5 Acres</p> <p>What is the maximum area to be worked at any one time? Approximately 0.3 Acres</p> <p>What would be the maximum depth of excavation or dredging? 2.5 Feet</p> <p>Will the excavation require blasting? No</p> <p>Summarize site reclamation goals and plans: Exposed soil slopes within the swale area will be stabilized with jute mesh followed by placement of a native seed mix to restore the existing groundcover/grasses. Disturbed roadside areas will be restored with topsoil and seeding.</p>	
<p>b. Would the proposed action cause or result in alteration of, increase or decrease in size of, or encroachment into any existing wetland, water body, shoreline, beach or adjacent area?</p> <p>If Yes:</p> <p>Identify the wetland or water body which would be affected (by name, water index number, wetland map number or geographic description): Carmans River freshwater wetlands adjacent area</p> <p>Describe how the proposed action would affect that water body or wetland, e.g. excavation, fill, placement of structures or creation of channels, banks and shorelines. Indicate extent of activities, alterations and additions in square feet or acres: Excavation of approximately 500 CY of material within adjacent area to enlarge drainage swale corresponding to approximately 13,500 SF of disturbance due to excavation and regrading</p> <p>Will proposed action cause or result in disturbance to bottom sediments? If Yes, describe: N/A</p> <p>Will proposed action cause or result in the destruction or removal of aquatic vegetation?</p> <p>If Yes:</p> <p>Area of vegetation proposed to be removed: N/A</p> <p>Expected acreage of aquatic vegetation remaining after project completion: N/A</p> <p>Purpose of proposed removal (e.g., beach clearing, invasive control, boat access): N/A</p> <p>Proposed method of plant removal: N/A</p> <p>If chemical/herbicide treatment will be used, specify product(s): N/A</p> <p>Describe any proposed reclamation/mitigation following disturbance: Steep areas will be stabilized with jute mesh and all disturbed adjacent areas will be restored with a native grass seed mix</p>	<p>Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p>

c. Will the proposed action use or create a new demand for water?

If Yes:

Total anticipated water usage/demand per day:

Will the proposed action obtain water from an existing public water supply?

If Yes:

Name of district/service area:

Does the existing public water supply have capacity to serve the proposal?

Yes No

Is the project site in the existing district?

Yes No

Is expansion of the district needed?

Yes No

Do existing lines serve the project site?

Yes No

Will line extension within an existing district be necessary to supply the project?

If Yes:

Describe extensions or capacity expansions proposed to serve this project:

Source(s) of supply for the district:

Yes No

Is a new water supply district or service area proposed to be formed to serve the project site?

If Yes:

Applicant/sponsor for new district:

Date application submitted or anticipated:

Proposed source(s) of supply for new district:

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

If water supply will be from wells (public or private), what will be the maximum pumping capacity?

d. Will the proposed action generate liquid wastes?

If Yes:

Total anticipated liquid waste generation per day:

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

If sanitary wastewater identify proposed disinfection technology and treatment goals for the following:

- Disinfection technology:
- Nitrogen:
- Phosphorus:
- Total Suspended Solids (TSS):
- Biological Oxygen Demand (BOD):

Will the proposed action use any existing public wastewater treatment facilities?

If Yes:

Name of wastewater treatment plant to be used:

Name of district:

Does the existing wastewater treatment plant have capacity to serve the project?

Yes No

Is the project site in the existing district?

Yes No

Is expansion of the district needed?

Yes No

Do existing sewer lines serve the project site?

Yes No

Will line extension within an existing district be necessary to serve the project?

If Yes:

Describe extensions or capacity expansions proposed to serve this project:

Will a new wastewater (sewage) treatment district be formed to serve the project site?

If Yes:

Applicant/Sponsor for new district:

Date application submitted or anticipated:

What is the receiving water for the wastewater discharge?

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

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

Yes No

<p>e. Will the proposed action disturb more than one acre and create stormwater runoff, either from new point sources (i.e. ditches, pipes, swales, curbs, gutters or other concentrated flows of stormwater) or non-point source (i.e. sheet flow) during construction or post construction?</p> <p>If Yes:</p> <p>How much impervious surface will the project create in relation to total size of project parcel? Area of Impervious Surface: Area of Parcel:</p> <p>Describe types of new point sources:</p> <p>Where will the stormwater runoff be directed (i.e. on-site stormwater management facility/structures, adjacent properties, groundwater, on-site surface water or off-site surface waters)? S</p> <p>If to surface waters, identify receiving water bodies or wetlands:</p> <p>Will stormwater runoff flow to adjacent properties? Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Does proposed plan minimize impervious surfaces use pervious materials or collect and re-use stormwater? Yes <input type="checkbox"/> No <input type="checkbox"/></p>	<p>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>
<p>f. Does the proposed action include, or will it use on-site, one or more sources of air emissions, including fuel combustion, waste incineration, or other processes or operations?</p> <p>If Yes, identify:</p> <p>Mobile sources during project operations (e.g., heavy equipment, fleet or delivery vehicles): Construction equipment during construction</p> <p>Stationary sources during construction (e.g., power generation, structural heating, batch plant, crushers): None</p> <p>Stationary sources during operations (e.g., process emissions, large boilers, electric generation): None</p>	<p>Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p>
<p>g. Will any air emission sources named in D.2.f (above) require a NY State Air Registration, Air Facility Permit or Federal Clean Air Act Title IV or Title V Permit?</p> <p>If Yes:</p> <p>Is the project site located in an Air Quality non-attainment area? (Area routinely or periodically fails to meet ambient air quality standards for all or some parts of the year) Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>In addition to emissions as calculated in the application, the project will generate:</p> <ul style="list-style-type: none"> - Tons/year (metric) of Carbon Dioxide (CO₂) - Tons/year (metric) of Nitrous Oxide (N₂O) - Tons/year (metric) of Perfluorocarbons (PFCs) - Tons/year (metric) of Sulfur Hexafluoride (SF₆) - Tons/year (metric) of Carbon Dioxide equivalent of Hydroflorocarbons (HFCS) - Tons/year (metric) of Hazardous Air Pollutants (HAPs) 	<p>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>

<p>h. Will the proposed action generate or emit methane (including, but not limited to, sewage treatment plants, landfills, composting facilities)?</p> <p>If Yes:</p> <table border="1" style="width: 100%;"> <tr> <td>Estimate methane generation in tons/year (metric):</td> </tr> <tr> <td>Describe any methane capture, control or elimination measures included in project design (e.g., combustion to generate heat or electricity, flaring):</td> </tr> </table>	Estimate methane generation in tons/year (metric):	Describe any methane capture, control or elimination measures included in project design (e.g., combustion to generate heat or electricity, flaring):	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>																																														
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<p>i. Will the proposed action result in the release of air pollutants from open-air operations or processes such as quarry or landfill operations?</p> <p>If Yes, describe operations and nature of emissions (e.g., diesel exhaust, rock particulates/dust):</p> <table border="1" style="width: 100%; height: 20px;"> <tr> <td></td> </tr> </table>		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>																																															
<p>j. Will the proposed action result in a substantial increase in traffic above present levels or generate substantial new demand for transportation facilities or services?</p> <p>If Yes:</p> <table border="1" style="width: 100%;"> <tr> <td colspan="3">When is the peak traffic expected? (check all that apply)</td> </tr> <tr> <td>Morning <input type="checkbox"/></td> <td>Evening <input type="checkbox"/></td> <td>Weekend <input type="checkbox"/></td> </tr> <tr> <td colspan="2"></td> <td>Randomly <input type="checkbox"/></td> </tr> <tr> <td colspan="3" style="text-align: center;">between the hours of _____ to _____</td> </tr> <tr> <td colspan="3">For commercial activities only, projected number of semi-trailer truck trips/day:</td> </tr> <tr> <td colspan="3">Parking spaces:</td> </tr> <tr> <td>Existing:</td> <td>Proposed:</td> <td>Net Increase/Decrease:</td> </tr> <tr> <td colspan="3">Does the proposed action include any shared use parking?</td> </tr> <tr> <td colspan="3">Yes <input type="checkbox"/> No <input type="checkbox"/></td> </tr> <tr> <td colspan="3">If the proposed action includes any modification of existing roads, creation of new roads or change in existing access, describe:</td> </tr> <tr> <td colspan="3">Are public/private transportation service(s) or facilities available within ½ mile of the proposed site?</td> </tr> <tr> <td colspan="3">Yes <input type="checkbox"/> No <input type="checkbox"/></td> </tr> <tr> <td colspan="3">Will the proposed action include access to public transportation or accommodations for use of hybrid, electric or other alternative fueled vehicles?</td> </tr> <tr> <td colspan="3">Yes <input type="checkbox"/> No <input type="checkbox"/></td> </tr> <tr> <td colspan="3">Will the proposed action include plans for pedestrian or bicycle accommodations for connections to existing pedestrian or bicycle routes?</td> </tr> <tr> <td colspan="3">Yes <input type="checkbox"/> No <input type="checkbox"/></td> </tr> </table>	When is the peak traffic expected? (check all that apply)			Morning <input type="checkbox"/>	Evening <input type="checkbox"/>	Weekend <input type="checkbox"/>			Randomly <input type="checkbox"/>	between the hours of _____ to _____			For commercial activities only, projected number of semi-trailer truck trips/day:			Parking spaces:			Existing:	Proposed:	Net Increase/Decrease:	Does the proposed action include any shared use parking?			Yes <input type="checkbox"/> No <input type="checkbox"/>			If the proposed action includes any modification of existing roads, creation of new roads or change in existing access, describe:			Are public/private transportation service(s) or facilities available within ½ mile of the proposed site?			Yes <input type="checkbox"/> No <input type="checkbox"/>			Will the proposed action include access to public transportation or accommodations for use of hybrid, electric or other alternative fueled vehicles?			Yes <input type="checkbox"/> No <input type="checkbox"/>			Will the proposed action include plans for pedestrian or bicycle accommodations for connections to existing pedestrian or bicycle routes?			Yes <input type="checkbox"/> No <input type="checkbox"/>			Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
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<p>k. Will the proposed action (for commercial or industrial projects only) generate new or additional demand for energy?</p> <p>If Yes:</p> <table border="1" style="width: 100%;"> <tr> <td>Estimate annual electricity demand during operation of the proposed action:</td> </tr> <tr> <td>Anticipated sources/suppliers of electricity for the project (e.g., on-site combustion, on-site renewable, via grid/local utility or other):</td> </tr> <tr> <td>Will the proposed action require a new, or an upgrade to, an existing substation?</td> </tr> <tr> <td>Yes <input type="checkbox"/> No <input type="checkbox"/></td> </tr> </table>	Estimate annual electricity demand during operation of the proposed action:	Anticipated sources/suppliers of electricity for the project (e.g., on-site combustion, on-site renewable, via grid/local utility or other):	Will the proposed action require a new, or an upgrade to, an existing substation?	Yes <input type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>																																												
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<p>l. Hours of operation (Answer all items which apply)</p> <table border="1" data-bbox="142 128 1287 304"> <thead> <tr> <th data-bbox="142 128 727 163">During Construction</th> <th data-bbox="727 128 1287 163">During Operations</th> </tr> </thead> <tbody> <tr> <td data-bbox="142 163 727 199">Monday-Friday: 7:00 AM to 3:00 PM</td> <td data-bbox="727 163 1287 199">Monday-Friday:</td> </tr> <tr> <td data-bbox="142 199 727 235">Saturday:</td> <td data-bbox="727 199 1287 235">Saturday:</td> </tr> <tr> <td data-bbox="142 235 727 270">Sunday:</td> <td data-bbox="727 235 1287 270">Sunday:</td> </tr> <tr> <td data-bbox="142 270 727 304">Holidays:</td> <td data-bbox="727 270 1287 304">Holidays:</td> </tr> </tbody> </table>	During Construction	During Operations	Monday-Friday: 7:00 AM to 3:00 PM	Monday-Friday:	Saturday:	Saturday:	Sunday:	Sunday:	Holidays:	Holidays:	<p>N/A <input type="checkbox"/></p>
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Sunday:	Sunday:										
Holidays:	Holidays:										
<p>m. Does the proposed action produce noise that will exceed existing ambient noise levels during construction, operation or both?</p> <p>If Yes:</p> <table border="1" data-bbox="142 472 1287 714"> <tr> <td data-bbox="142 472 1287 609">Provide details including sources, time of day and duration: Temporary exceedances of ambient noise levels due to construction activities may occur during normal weekday work hours generally between 7:00 AM and 3:00 PM</td> </tr> <tr> <td data-bbox="142 609 1287 714">Will proposed action remove existing natural barriers that could act as a noise barrier or screen? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Describe:</td> </tr> </table>	Provide details including sources, time of day and duration: Temporary exceedances of ambient noise levels due to construction activities may occur during normal weekday work hours generally between 7:00 AM and 3:00 PM	Will proposed action remove existing natural barriers that could act as a noise barrier or screen? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Describe:	<p>Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p>								
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<p>n. Will the proposed action have outdoor lighting?</p> <p>If Yes:</p> <table border="1" data-bbox="142 850 1287 987"> <tr> <td data-bbox="142 850 1287 919">Describe source(s), location(s), height of fixture(s), direction/aim, and proximity to nearest occupied structures:</td> </tr> <tr> <td data-bbox="142 919 1287 987">Will proposed action remove existing natural barriers that could act as a light barrier or screen? Yes <input type="checkbox"/> No <input type="checkbox"/> Describe:</td> </tr> </table>	Describe source(s), location(s), height of fixture(s), direction/aim, and proximity to nearest occupied structures:	Will proposed action remove existing natural barriers that could act as a light barrier or screen? Yes <input type="checkbox"/> No <input type="checkbox"/> Describe:	<p>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>								
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<p>o. Does the proposed action have the potential to produce odors for more than one hour per day?</p> <p>If Yes:</p> <table border="1" data-bbox="142 1123 1287 1192"> <tr> <td data-bbox="142 1123 1287 1192">Describe possible sources, potential frequency and duration of odor emissions and proximity to nearest occupied structures:</td> </tr> </table>	Describe possible sources, potential frequency and duration of odor emissions and proximity to nearest occupied structures:	<p>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>									
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<p>p. Will the proposed action include any bulk storage of petroleum (over 1,100 gallons) or chemical products (over 550 gallons)?</p> <p>If Yes:</p> <table border="1" data-bbox="142 1354 1287 1564"> <tr> <td data-bbox="142 1354 1287 1423">Product(s) to be stored:</td> </tr> <tr> <td data-bbox="142 1423 1287 1493">Volume(s): per unit time: (e.g., month, year)</td> </tr> <tr> <td data-bbox="142 1493 1287 1564">Generally describe proposed storage facilities:</td> </tr> </table>	Product(s) to be stored:	Volume(s): per unit time: (e.g., month, year)	Generally describe proposed storage facilities:	<p>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>							
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<p>q. Will the proposed action (commercial, industrial and recreational projects only) use pesticides (i.e., herbicides, insecticides) during construction or operation?</p> <p>If Yes:</p> <table border="1" data-bbox="142 1732 1287 1869"> <tr> <td data-bbox="142 1732 1287 1801">Describe proposed treatment(s):</td> </tr> <tr> <td data-bbox="142 1801 1287 1869">Will the proposed action use Integrated Pest Management Practices? Yes <input type="checkbox"/> No <input type="checkbox"/></td> </tr> </table>	Describe proposed treatment(s):	Will the proposed action use Integrated Pest Management Practices? Yes <input type="checkbox"/> No <input type="checkbox"/>	<p>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>								
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<p>r. Will the proposed action (commercial or industrial projects only) involve or require the management or disposal of solid waste (excluding hazardous materials)?</p> <p>If Yes:</p> <table border="1"> <tr> <td colspan="2">Describe any solid waste(s) to be generated during construction or operation of the facility:</td> </tr> <tr> <td>Construction: Asphalt & concrete debris 150 tons per duration of construction (unit of time)</td> <td></td> </tr> <tr> <td>Operation: N/A tons per</td> <td>(unit of time)</td> </tr> </table> <table border="1"> <tr> <td colspan="2">Describe any proposals for on-site minimization, recycling or reuse of materials to avoid disposal as solid waste:</td> </tr> <tr> <td>Construction: Asphalt pavement and concrete curb are unsuitable materials for reuse on-site however they can recycled and processed off-site for eventually reuse elsewhere</td> <td></td> </tr> <tr> <td>Operation: N/A</td> <td></td> </tr> </table> <table border="1"> <tr> <td colspan="2">Proposed disposal methods/facilities for solid waste generated on-site:</td> </tr> <tr> <td>Construction: Materials will be taken to off-site recycling facilities</td> <td></td> </tr> <tr> <td>Operation: N/A</td> <td></td> </tr> </table>	Describe any solid waste(s) to be generated during construction or operation of the facility:		Construction: Asphalt & concrete debris 150 tons per duration of construction (unit of time)		Operation: N/A tons per	(unit of time)	Describe any proposals for on-site minimization, recycling or reuse of materials to avoid disposal as solid waste:		Construction: Asphalt pavement and concrete curb are unsuitable materials for reuse on-site however they can recycled and processed off-site for eventually reuse elsewhere		Operation: N/A		Proposed disposal methods/facilities for solid waste generated on-site:		Construction: Materials will be taken to off-site recycling facilities		Operation: N/A		<p>Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p>
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<p>s. Does the proposed action include construction or modification of a solid waste management facility?</p> <p>If Yes:</p> <table border="1"> <tr> <td>Type of management or handling of waste proposed for the site (e.g., recycling or transfer station, composting, landfill or other disposal activities):</td> <td></td> </tr> <tr> <td>Anticipated rate of disposal/processing:</td> <td></td> </tr> <tr> <td>tons/month, if transfer or other non-combustion/thermal treatment, or</td> <td></td> </tr> <tr> <td>tons/hour, if combustion or thermal treatment</td> <td></td> </tr> <tr> <td>If landfill, anticipated site life:</td> <td>years</td> </tr> </table>	Type of management or handling of waste proposed for the site (e.g., recycling or transfer station, composting, landfill or other disposal activities):		Anticipated rate of disposal/processing:		tons/month, if transfer or other non-combustion/thermal treatment, or		tons/hour, if combustion or thermal treatment		If landfill, anticipated site life:	years	<p>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>								
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<p>t. Will proposed action at the site involve the commercial generation, treatment, storage or disposal of hazardous waste?</p> <p>If Yes:</p> <p>Name(s) of all hazardous wastes or constituents to be generated, handled or managed at facility:</p> <p>Generally describe processes or activities involving hazardous wastes or constituents:</p> <p>Specify amount to be handled or generated: tons/month</p> <p>Describe any proposals for on-site minimization, recycling or reuse of hazardous constituents:</p> <p>Will any hazardous wastes be disposed at an existing offsite hazardous waste facility? Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>If Yes:</p> <p>Provide name and location of facility:</p> <p>If No:</p> <p>Describe proposed management of any hazardous wastes which will not be sent to a hazardous waste facility:</p>	<p>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>
<p>u. Will proposed action adhere to Leadership in Energy and Environmental Design (LEED) or any other green building principals?</p> <p>If Yes:</p> <p>Describe proposed green building methods and attempted level of certification, if any:</p>	<p>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>
<p>v. Does the project sponsor propose the use of energy benchmarking to monitor and adjust project energy needs?</p> <p>If Yes, explain:</p>	<p>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>
<p>w. Will the proposed action use native plants for all landscaping needs?</p> <p>Identify species to be used and method of irrigation:</p> <p>Native grass seed mixes will be used to restore disturbed areas. These areas will be watered from a tanker truck during construction to promote establishment of turf.</p>	<p>Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p>
<p>x. Does the proposed action promote local tourism?</p> <p>If Yes, explain:</p>	<p>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>

E. Site and Setting of Proposed Action

E.1. Land Uses on and Surrounding the Project Site

- a. Existing land uses (Check all uses the occur on, adjoining and near the project site): (include map)
- Urban Industrial Commercial Residential Rural
 Forest Agriculture Aquatic Other Specify: Institutional (church) and parklands

If mix of uses, generally describe: The surrounding areas primarily consist of parklands (active and passive/preserved land) and agricultural uses. There are some residential and vacant properties and a church.

b. Land uses and cover types on the project site:

Land Use or Cover Type	Current Acreage	Acreage After Project Completion	Change (Acres +/-)
Roads, buildings and other paved or impervious surfaces	3.47	3.56	+0.09
Forested	0.75	.75	0
Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural)	3.10	3.01	-0.09
Agricultural (includes active orchards, fields, greenhouse, etc.)			
Surface water features (lakes, ponds, streams, rivers, etc.)			
Wetlands (freshwater or tidal)			
Non-Vegetated (bare rock, earth or fill)			
Other Describe:			
TOTAL:	7.32	7.32	0

c. Is the project site presently used by members of the community for public recreation?

If Yes, explain:

Yes No

d. Are there any facilities serving children, the elderly, people with disabilities (e.g., schools, hospitals, licensed day care centers or group homes) within 1,500 feet of the project site?

If Yes, identify facilities:

Yes No

<p>e. Does the project site contain an existing dam?</p> <p>If Yes:</p> <table border="1" data-bbox="142 199 1312 506"> <tr> <td colspan="2">Dimensions of the dam and impoundment:</td> </tr> <tr> <td>- Dam height:</td> <td>feet</td> </tr> <tr> <td>- Dam length:</td> <td>feet</td> </tr> <tr> <td>- Surface area:</td> <td>acres</td> </tr> <tr> <td>- Volume impounded:</td> <td>gallons or acre-feet</td> </tr> <tr> <td colspan="2">Dam's existing hazard classification:</td> </tr> <tr> <td colspan="2">Provide date and summarize results of last inspection:</td> </tr> </table>	Dimensions of the dam and impoundment:		- Dam height:	feet	- Dam length:	feet	- Surface area:	acres	- Volume impounded:	gallons or acre-feet	Dam's existing hazard classification:		Provide date and summarize results of last inspection:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
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<p>f. Has the project site ever been used as a municipal, commercial or industrial solid waste management facility, or does the project site adjoin property which is now, or was at one time, used as a solid waste management facility?</p> <p>If Yes:</p> <table border="1" data-bbox="142 709 1312 947"> <tr> <td colspan="2">Has the facility been formally closed?</td> </tr> <tr> <td>Yes</td> <td><input type="checkbox"/></td> </tr> <tr> <td>No</td> <td><input type="checkbox"/></td> </tr> <tr> <td colspan="2">If Yes, cite sources/documentation:</td> </tr> <tr> <td colspan="2">Describe the location of the project site relative to the boundaries of the solid waste management facility:</td> </tr> <tr> <td colspan="2">Describe any development constraints due to the prior solid waste activities:</td> </tr> </table>	Has the facility been formally closed?		Yes	<input type="checkbox"/>	No	<input type="checkbox"/>	If Yes, cite sources/documentation:		Describe the location of the project site relative to the boundaries of the solid waste management facility:		Describe any development constraints due to the prior solid waste activities:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
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Describe the location of the project site relative to the boundaries of the solid waste management facility:															
Describe any development constraints due to the prior solid waste activities:															
<p>g. Have hazardous wastes been generated, treated and/or disposed of at the site, or does the project site adjoin property which is now or was at one time used to commercially treat, store and/or dispose of hazardous waste?</p> <p>If Yes:</p> <table border="1" data-bbox="142 1150 1312 1220"> <tr> <td>Describe waste(s) handled and waste management activities, including approximate time when activities occurred:</td> </tr> </table>	Describe waste(s) handled and waste management activities, including approximate time when activities occurred:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>													
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<p>h. Has there been a reported contamination spill at the proposed project site or have any remedial actions been conducted at or adjacent to the proposed site?</p> <p>If Yes:</p> <div style="border: 1px solid black; padding: 2px;"> <p>Is any portion of the site listed on the NYSDEC Spills Incidents database or Environmental Site Remediation database? (Check all that apply)</p> <p><input type="checkbox"/> Yes – Spills Incidents database Provide DEC ID number(s):</p> <p><input type="checkbox"/> Yes – Environmental Site Remediation database Provide DEC ID number(s):</p> <p><input type="checkbox"/> Neither database</p> </div> <div style="border: 1px solid black; padding: 2px;"> <p>If site has been subject to RCRA corrective activities, describe control measures:</p> </div> <div style="border: 1px solid black; padding: 2px;"> <p>Is the project within 2000 feet of any site in the NYSDEC Environmental Site Remediation database? Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>If Yes:</p> <div style="border: 1px solid black; padding: 2px;"> <p>DEC ID number(s):</p> </div> </div> <div style="border: 1px solid black; padding: 2px;"> <p>Describe current status of site(s):</p> </div>	<p>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>
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E.1.h. (cont.) – only answer following if checked “Yes” above

<div style="border: 1px solid black; padding: 5px;"> <p>Is the project site subject to an institutional control limiting property uses?</p> <p>If Yes:</p> <div style="border: 1px solid black; padding: 2px;"> <p>DEC site ID number(s):</p> </div> <div style="border: 1px solid black; padding: 2px;"> <p>Describe the type of institutional control (e.g., deed restriction or easement):</p> </div> <div style="border: 1px solid black; padding: 2px;"> <p>Describe any use limitations:</p> </div> <div style="border: 1px solid black; padding: 2px;"> <p>Describe any engineering controls:</p> </div> <div style="border: 1px solid black; padding: 2px;"> <p>Will the project affect the institutional or engineering controls in place? Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Explain:</p> </div> </div>

E.2. Natural Resources On or Near Project Site

<p>a. What is the average depth to bedrock on the project site: 1400 feet</p>	
<p>b. Are there bedrock outcroppings on the project site?</p> <p>If Yes:</p> <div style="border: 1px solid black; padding: 2px;"> <p>What proportion of the site is comprised of bedrock outcroppings? %</p> </div>	<p>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>

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

1. At - Atsion sand	42% of site
2. CpC - Carver & Plymouth sands (3 - 15 % slopes)	42% of site
3. CpE - Carver & Plymouth sands (15 - 35% slopes)	16% of site
4.	% of site

d. What is the average depth to the water table on the project site?
4 Feet

e. Drainage status of project site soils:

1. <input checked="" type="checkbox"/> Well Drained	58% of site
2. <input type="checkbox"/> Moderately Well Drained	% of site
3. <input checked="" type="checkbox"/> Poorly Drained	42% of site

f. Approximate proportion of proposed action site with slopes: (include topographic map)

1. <input checked="" type="checkbox"/> 0-10%	90% of site
2. <input checked="" type="checkbox"/> 11-15%	5% of site
3. <input checked="" type="checkbox"/> 16% or greater	5% of site

g. Are there any unique geologic features on the project site?

If Yes, describe:

Yes No

h. Does any portion of the project site contain wetlands or other waterbodies (including streams, rivers, ponds or lakes)?

Yes No

i. Do any wetlands or other waterbodies adjoin the project site?

Yes No

If Yes to either E.2.h or E.2.i, continue. If No, skip to E.2.m

j. Are any of the wetlands or waterbodies within or adjoining the project site regulated by any federal, state or local agency? (include map)

Yes No

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

Streams:	Name: Carmans River	Classification: C (TS)
Lakes or Ponds:	Name:	Classification:
Wetlands:	Name: Freshwater wetlands in the vicinity of Carmans River	Approx. Size: 1065 Acres
Wetland No. (if regulated by DEC):	ID # B-2	

l. Are any of the above waterbodies listed in the most recent compilation of NYS water quality-impaired waterbodies?

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

Yes No

m. Is the project site in a designated floodway?

Yes No

n. Is the project site in the 100 year floodplain?

Yes No

o. Is the project site in the 500 year floodplain?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>						
<p>p. Is the project site located over or immediately adjoining a primary, principal or sole source aquifer?</p> <p>If Yes:</p> <table border="1" data-bbox="142 233 1312 306"> <tr> <td>Name of aquifer: Magothy Aquifer</td> </tr> <tr> <td>Source of information: NYSDEC</td> </tr> </table>	Name of aquifer: Magothy Aquifer	Source of information: NYSDEC	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				
Name of aquifer: Magothy Aquifer							
Source of information: NYSDEC							
<p>q. Identify the predominant wildlife species that occupy or use the project site:</p> <table border="1" data-bbox="142 373 1516 512"> <tr> <td>Typical small mammals (squirrels, racoons, rabbits, etc.) native to Long Island woodlands and grasslands</td> <td>White-tailed deer</td> <td>Pine and oak trees typical to Pine Barrens</td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>		Typical small mammals (squirrels, racoons, rabbits, etc.) native to Long Island woodlands and grasslands	White-tailed deer	Pine and oak trees typical to Pine Barrens			
Typical small mammals (squirrels, racoons, rabbits, etc.) native to Long Island woodlands and grasslands	White-tailed deer	Pine and oak trees typical to Pine Barrens					
<p>r. Does the project site contain a designated significant natural community?</p> <p>If Yes:</p> <table border="1" data-bbox="142 646 1312 919"> <tr> <td>Describe the habitat/community (composition, function and basis for designation:</td> </tr> <tr> <td>Source(s) of description or evaluation:</td> </tr> <tr> <td>Extent of community/habitat:</td> </tr> <tr> <td>- Currently: acres</td> </tr> <tr> <td>- Following completion of project as proposed: acres</td> </tr> <tr> <td>- Gain or loss (indicate + or -): acres</td> </tr> </table>	Describe the habitat/community (composition, function and basis for designation:	Source(s) of description or evaluation:	Extent of community/habitat:	- Currently: acres	- Following completion of project as proposed: acres	- Gain or loss (indicate + or -): acres	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Describe the habitat/community (composition, function and basis for designation:							
Source(s) of description or evaluation:							
Extent of community/habitat:							
- Currently: acres							
- Following completion of project as proposed: acres							
- Gain or loss (indicate + or -): acres							
<p>s. Does project site contain any species of plant or animal that is listed by the federal government or NYS as endangered or threatened, or does it contain any areas identified as habitat for an endangered or threatened species?</p> <p>If Yes:</p> <table border="1" data-bbox="142 1121 1312 1230"> <tr> <td>Species and listing (endangered or threatened): Potential existence of Northern Long-eared Bats using trees to roost (Threatened)</td> </tr> <tr> <td>Nature of use of site by the species (e.g., resident, seasonal, transient): Non-Winter location</td> </tr> </table>	Species and listing (endangered or threatened): Potential existence of Northern Long-eared Bats using trees to roost (Threatened)	Nature of use of site by the species (e.g., resident, seasonal, transient): Non-Winter location	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				
Species and listing (endangered or threatened): Potential existence of Northern Long-eared Bats using trees to roost (Threatened)							
Nature of use of site by the species (e.g., resident, seasonal, transient): Non-Winter location							
<p>t. Does project site contain any species of plant or animal that is listed by NYS as rare, or as a species of special concern?</p> <p>If Yes:</p> <table border="1" data-bbox="142 1394 1312 1503"> <tr> <td>Species and listing: Veined Thoroughwort (Vascular plant imperiled in NYS documented in mowed roadside at E. Bartlett Rd. and CR 21)</td> </tr> <tr> <td>Nature of use of site by the species (e.g., resident, seasonal, transient): Resident</td> </tr> </table>	Species and listing: Veined Thoroughwort (Vascular plant imperiled in NYS documented in mowed roadside at E. Bartlett Rd. and CR 21)	Nature of use of site by the species (e.g., resident, seasonal, transient): Resident	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				
Species and listing: Veined Thoroughwort (Vascular plant imperiled in NYS documented in mowed roadside at E. Bartlett Rd. and CR 21)							
Nature of use of site by the species (e.g., resident, seasonal, transient): Resident							
<p>u. Is the project site or adjoining area currently used for hunting, trapping, fishing or shellfishing?</p> <p>If Yes, give a brief description of how the proposed action may affect that use:</p> <table border="1" data-bbox="142 1633 1312 1675"> <tr> <td> </td> </tr> </table>		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>					
E.3. Designated Public Resources On or Near Project Site							

<p>a. Is the project site, or any portion of it, located in a designated agricultural district certified pursuant to Agriculture and Markets Law, Article 25-AA, Section 303 and 304?</p> <p>If Yes, provide county plus district name/number:</p> <input type="text"/>	<p>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>
<p>b. Are agricultural lands consisting of highly productive soils present?</p> <p>If Yes:</p> <p>Acreage(s) on project site: <input type="text"/></p> <p>Source(s) of soil rating(s): <input type="text"/></p>	<p>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>
<p>c. Does the project site contain all or part of, or is it substantially contiguous to a registered National Natural Landmark?</p> <p>If Yes:</p> <p>Nature of the natural landmark: <input type="checkbox"/> Biological Community; <input type="checkbox"/> Geological Feature</p> <p>Provide brief description of landmark, including values behind designation and approximate size/extent: <input type="text"/></p>	<p>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>
<p>d. Is the project site located in or does it adjoin a state listed Critical Environmental Area, including Special Groundwater Protection Areas?</p> <p>If Yes:</p> <p>CEA name: SGPA (Central Suffolk) CEA Map #2 and Central Suffolk Pine Barrens</p> <p>Basis for designation: SGPA and Benefit to human health & protection of drinking water</p> <p>Designating agency and date: Suffolk County 2/10/88 (SGPA) and Long Islang Regional Planning 3/10/93 (Central Suffolk Pine Barrens)</p>	<p>Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p>
<p>e. Does the project site contain, or is it substantially contiguous to, a building, archeological site, or district which is listed on, or has been nominated by the NYS Board of Historic Preservation for inclusion on the State or National Register of Historic Places?</p> <p>If Yes:</p> <p>Nature of historic/archaeological resource: <input type="checkbox"/> Archaeological Site; <input type="checkbox"/> Historic Building or district</p> <p>Name: <input type="text"/></p> <p>Brief description of attributes on which listing is based: <input type="text"/></p>	<p>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>
<p>f. Is the project site, or any portion of it, located in or adjacent to an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory?</p>	<p>Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p>
<p>g. Have additional archaeological or historic site(s) or resources been identified on the project site?</p> <p>If Yes:</p> <p>Describe possible resource(s): <input type="text"/></p> <p>Basis for identification: <input type="text"/></p>	<p>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>

<p>h. Would the project site be visible from any officially designated and publicly assessable federal, state or local scenic or aesthetic resource?</p> <p>If Yes:</p> <table border="1"> <tr> <td data-bbox="139 226 1308 264">Identify resource:</td> </tr> <tr> <td data-bbox="139 264 1308 331">Nature of, or basis for designation (e.g., established highway overlook, state or local park, state historic trail or scenic byway, etc.):</td> </tr> <tr> <td data-bbox="139 331 1308 369">Distance between project and resource:</td> </tr> </table>	Identify resource:	Nature of, or basis for designation (e.g., established highway overlook, state or local park, state historic trail or scenic byway, etc.):	Distance between project and resource:	<p>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>
Identify resource:				
Nature of, or basis for designation (e.g., established highway overlook, state or local park, state historic trail or scenic byway, etc.):				
Distance between project and resource:				
<p>i. Is the project site located within a designated river corridor under the Wild, Scenic and Recreational Rivers Program 6 NYCRR Part 666?</p> <p>If Yes:</p> <table border="1"> <tr> <td data-bbox="139 533 1308 571">Identify the name of the river and its designation: Carmans River - Scenic River</td> </tr> <tr> <td data-bbox="139 571 1308 638">Is the activity consistent with development restrictions contained in 6 NYCRR Part 666? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></td> </tr> </table>	Identify the name of the river and its designation: Carmans River - Scenic River	Is the activity consistent with development restrictions contained in 6 NYCRR Part 666? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<p>Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p>	
Identify the name of the river and its designation: Carmans River - Scenic River				
Is the activity consistent with development restrictions contained in 6 NYCRR Part 666? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				

F. Additional Information

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

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

G. Verification

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

Applicant/Sponsor Name: Alex Gimpelman, P.E - Suffolk County DPW

Date: 09/04/2020

Signature: Alex Gimpelman

Title: Civil Engineer

SUFFOLK COUNTY
FULL ENVIRONMENTAL ASSESSMENT FORM
6 NYCRR Part 617
State Environmental Quality Review

Part 2 – Identification of Potential Project Impacts

Instructions: Part 2 is to be completed by the lead agency. It is designed to help the lead agency inventory all potential resources that could be affected by a proposed project or action. We recognize that the lead agency’s reviewer(s) will not necessarily be environmental professionals. So, the questions are designed to walk a reviewer through the assessment process by providing a series of questions that can be answered using the information found in Part 1. To further assist the lead agency in completing Part 2, the form identifies the most relevant questions in Part 1 that will provide the information needed to answer the Part 2 question. When Part 2 is completed, the lead agency will have identified the relevant environmental areas that may be impacted by the proposed activity.

Tips for completing Part 2:

- _____ Review all of the information provided in Part 1.
- _____ Review any application, maps, supporting materials and the Full EAF Workbook.
- _____ Answer each of the 18 questions in Part 2.
- _____ If you answer “YES” to a numbered question, please complete all the questions that follow in that section.
- _____ If you answer “NO” to a numbered question, move on to the next numbered section.
- _____ Check appropriate column to indicate the anticipated size of the impact.
- _____ Proposed projects that would exceed a numeric threshold contained in a question should result in the reviewing agency checking the box “**Moderate to large impact may occur.**”
- _____ The reviewer is not expected to be an expert in environmental analysis.
- _____ If you are not sure or undecided about the size of an impact, it may help to review the sub-questions for the general question and consult the workbook.
- _____ When answering a question consider all components of the proposed activity, that is, the “whole action.”
- _____ Consider the possibility for long-term and cumulative impacts as well as direct impacts.
- _____ Answer the question in a reasonable manner considering the scale and context of the project.

1. _____ Impact on Land			
The proposed action may involve construction on, or physical alteration of the land surface of the proposed site. (See Part 1.D.1)		YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
<i>If “YES”, answer questions a-h. If “NO”, move on to Section 2.</i>			
	Relevant Part 1 Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. _____	The proposed action may involve construction on land where depth to water table is less than 3 feet.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. _____	The proposed actin may involve construction on slopes of 15% or greater.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. _____	The proposed actin may involve construction on land where bedrock is exposed, or generally within 5 feet of existing ground surface.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. _____	The proposed action may involve the excavation and removal of more than 1,000 tons of natural	<input checked="" type="checkbox"/>	<input type="checkbox"/>

material.			
e. _____ The proposed action may involve construction that continues for more than one year or in multiple phases.	D.1.g	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f. _____ The proposed action may result in increased erosion, whether from physical disturbance or vegetation removal (including from treatment by herbicides).	D.2.e D.2.q	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g. _____ The proposed action is, or may be, located within a Coastal Erosion hazard area.	B.ix	<input checked="" type="checkbox"/>	<input type="checkbox"/>
h. _____ Other impacts:	 	<input type="checkbox"/>	<input type="checkbox"/>

2. _____ Impact on Geological Features			
The proposed action may result in the modification or destruction of, or inhibit access to, any unique or unusual land forms on the site (e.g., cliffs, dunes, minerals, fossils, caves). (See Part 1.E.2.g)		YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
<i>If "YES", answer questions a-c. If "NO", move on to Section 3.</i>			
	Relevant Part 1 Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. _____ Identify the specific land form(s):	E.2.g	<input type="checkbox"/>	<input type="checkbox"/>
b. _____ The proposed action may affect or is adjacent to a geological feature listed as a registered National Natural Landmark. Specific feature:	E.3.c	<input type="checkbox"/>	<input type="checkbox"/>
c. _____ Other impacts:	 	<input type="checkbox"/>	<input type="checkbox"/>

3. _____ Impact on Surface Water			
The proposed action may affect one or more wetlands or other surface water bodies (e.g., streams, rivers, ponds or lakes). (See Part 1.D.2 & E.2.h)		YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
<i>If "YES", answer questions a-l. If "NO", move on to Section 4.</i>			
	Relevant Part 1 Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. _____ The proposed action may create a new water body	D.1.j D.2.b	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. _____ The proposed action may result in an increase or decrease of over 10% or more than a 10 acre increase or decrease in the surface area of any body of water.	D.2.b	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. _____ The proposed action may involve dredging more than 100 cubic yards of material from a wetland or water body.	D.2.a	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. _____ The proposed action may involve construction within or adjoining a freshwater or tidal wetland, or in the bed or banks of any other water body.	E.2.h E.2.i	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. _____ The proposed action may create turbidity in a waterbody, either from upland erosion, runoff or by	D.2.a D.2.h	<input checked="" type="checkbox"/>	<input type="checkbox"/>

disturbing bottom sediments.			
f. _____ The proposed action may include construction of one or more intake(s) for withdrawal of water from surface water.	D.2.c	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g. _____ The proposed action may include construction of one or more outfall(s) for discharge of wastewater to surface water(s).	D.2.d	<input checked="" type="checkbox"/>	<input type="checkbox"/>
h. _____ The proposed action may cause soil erosion, or otherwise create a source of stormwater discharge that may lead to siltation or other degradation of receiving water bodies.	D.2.e	<input checked="" type="checkbox"/>	<input type="checkbox"/>
i. _____ The proposed action may affect the water quality of any water bodies within or downstream of the site of the proposed action.	E.2.h – E.2.1	<input checked="" type="checkbox"/>	<input type="checkbox"/>
j. _____ The proposed action may involve the application of pesticides or herbicides in or around any water body.	D.2.q E.2.h – E.2.1	<input checked="" type="checkbox"/>	<input type="checkbox"/>
k. _____ The proposed action may require the construction of new, or expansion of existing, wastewater treatment facilities.	D.1.a D.2.d	<input checked="" type="checkbox"/>	<input type="checkbox"/>
l. _____ Other impacts:		<input type="checkbox"/>	<input type="checkbox"/>

4. _____ Impact on Groundwater The proposed action may result in new or additional use of groundwater, or may have the potential to introduce contaminants to groundwater or an aquifer. (See Part 1.D.2.a, D.2.c, D.2.d, D.2.p, D.2.q, D.2.t) <i>If “YES”, answer questions a-h. If “NO”, move on to Section 5.</i>			
		YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
	Relevant Part 1 Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. _____ The proposed action may require new water supply wells, or create additional demand on supplies from existing water supply wells.	D.2.c	<input type="checkbox"/>	<input type="checkbox"/>
b. _____ Water supply demand from the proposed action may exceed safe and sustainable withdrawal capacity rate of the local supply or aquifer. Cite Source:	D.2.c	<input type="checkbox"/>	<input type="checkbox"/>
c. _____ The proposed action may allow or result in residential uses in areas without water and sewer services.	D.1.a D.2.c – D.2.d	<input type="checkbox"/>	<input type="checkbox"/>
d. _____ The proposed action may include or require wastewater discharged to groundwater.	D.2.d E.2.p	<input type="checkbox"/>	<input type="checkbox"/>
e. _____ The proposed action may result in the construction of water supply wells in locations where groundwater is, or is suspected to be, contaminated.	D.2.c E.1.f – E.1.h	<input type="checkbox"/>	<input type="checkbox"/>
f. _____ The proposed action may require the bulk storage of petroleum or chemical products over ground water or an aquifer.	D.2.p E.2.p	<input type="checkbox"/>	<input type="checkbox"/>
g. _____ The proposed action may involve the commercial application of pesticides within 100 feet of potable drinking water or irrigation sources.	D.2.q E.2.h – E.2.1 E.2.p D.2.c	<input type="checkbox"/>	<input type="checkbox"/>

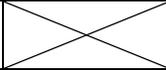
h. _____ Other impacts:		<input type="checkbox"/>	<input type="checkbox"/>
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5. _____ Impact on Flooding
 The proposed action may result in development on lands subject to flooding. (See Part 1.E.2) YES NO
If "YES", answer questions a-g. If "NO", move on to Section 6.

	Relevant Part 1 Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. _____ The proposed action may result in development in a designated floodway.	E.2.m	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. _____ The proposed action may result in development within a 100 year floodplain.	E.2.n	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. _____ The proposed action may result in development within a 500 year floodplain.	E.2.o	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. _____ The proposed action may result in, or require, modification of existing drainage patterns.	D.2.b D.2.e	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. _____ The proposed action may change flood water flows that contribute to flooding.	D.2.b E.2.m – E.2.o	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f. _____ If there is a dam located on the site of the proposed action, the dam has failed to meet one or more safety criteria on its most recent inspection.	E.1.e	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g. _____ Other impacts:		<input type="checkbox"/>	<input type="checkbox"/>

6. _____ Impact on Air
 The proposed action may include a state regulated air emission source. (See Part 1.D.2.f, D.2.h, D.2.g) YES NO
If "YES", answer questions a-f. If "NO", move on to Section 7.

	Relevant Part 1 Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. _____ If the proposed action requires federal or state air emission permits, the action may also emit one or more greenhouse gases at or above the following levels:			
i. _____ More than 1000 tons/year of carbon dioxide (CO2)	D.2.g	<input type="checkbox"/>	<input type="checkbox"/>
ii. _____ More than 3.5 tons/year of nitrous oxide (N2O)	D.2.g	<input type="checkbox"/>	<input type="checkbox"/>
iii. _____ More than 1000 tons/year of carbon equivalent of perfluorocarbons (PFCs)	D.2.g	<input type="checkbox"/>	<input type="checkbox"/>
iv. _____ More than .045 tons/year of sulfur hexafluoride (SF6)	D.2.g	<input type="checkbox"/>	<input type="checkbox"/>
v. _____ More than 1000 tons/year of carbon dioxide equivalent of hydrochlorofluorocarbons (HCFCs) emissions	D.2.g	<input type="checkbox"/>	<input type="checkbox"/>
vi. 43 tons/year or more of methane	D.2.h	<input type="checkbox"/>	<input type="checkbox"/>
b. _____ The proposed action may generate 10 tons/year or more of any one designated hazardous air pollutant, or 25 tons/year or more of any combination of such hazardous	D.2.g	<input type="checkbox"/>	<input type="checkbox"/>

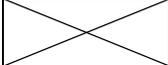
air pollutants.			
c. The proposed action may require a state air registration, or may produce an emissions rate of total contaminants that may exceed 5 lbs. per hour, or may include a heat source capable of producing more than 10 million BTU=s per hour.	D.2.f D.3.g	<input type="checkbox"/>	<input type="checkbox"/>
d. _____ The proposed action may reach 50% of any two or more of the thresholds in “a” through “c”, above.	D.1.i D.2.k	<input type="checkbox"/>	<input type="checkbox"/>
e. _____ The proposed action may result in the combustion or thermal treatment of more than 1 ton of refuse per hour.	D.2.s	<input type="checkbox"/>	<input type="checkbox"/>
f. _____ Other impacts:		<input type="checkbox"/>	<input type="checkbox"/>

7. _____ Impact on Plants and Animals The proposed action may result in a loss of flora or fauna. YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> (See Part 1.E.2.q – E.2.u) <i>If “YES”, answer questions a-j. If “NO”, move on to Section 8.</i>			
	Relevant Part 1 Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. _____ The proposed action may cause reduction in population or loss of individuals of any threatened or endangered species, as listed by New York State or the Federal government, that use the site, or are found on, over, or near the site.	E.2.s	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. _____ The proposed action may result in a reduction or degradation of any habitat used by any rare, threatened or endangered species, as listed by New York State or the federal government.	E.2.s	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may cause reduction in population, or loss of individuals, of any species of special concern or conservation need, as listed by New York State or the Federal government, that use the site, or are found on, over, or near the site.	E.2.t	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. _____ The proposed action may result in a reduction or degradation of any habitat used by any species of special concern and conservation need, as listed by New York State or the Federal government.	E.2.t	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. _____ The proposed action may diminish the capacity of a registered National Natural Landmark to support the biological community it was established to protect.	E.3.c	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f. _____ The proposed action may result in the removal of, or ground disturbance in, any portion of a designated significant natural community. Source:	E.2.r	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g. _____ The proposed action may substantially interfere with nesting/breeding, foraging, or over-wintering habitat for the predominant species that occupy or use the project site.	E.2.q	<input checked="" type="checkbox"/>	<input type="checkbox"/>
h. _____ The proposed action requires the conversion of more than 10 acres of forest, grassland or any other regionally or locally important habitat. Habitat type & information source:	E.1.b	<input checked="" type="checkbox"/>	<input type="checkbox"/>
i. _____ Proposed action (commercial, industrial or recreational projects, only) involves use of	D.2.q	<input checked="" type="checkbox"/>	<input type="checkbox"/>

herbicides or pesticides.			
j. _____ Other impacts:	 	<input type="checkbox"/>	<input type="checkbox"/>

8. _____ Impact on Agricultural Resources The proposed action may impact agricultural resources. YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> (See Part 1.E.3.a & E.3.b) <i>If "YES", answer questions a-h. If "NO", move on to Section 9.</i>			
	Relevant Part 1 Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. _____ The proposed action may impact soil classified within soil group 1 through 4 of the NYS Land Classification System.	E.2.c E.3.b	<input type="checkbox"/>	<input type="checkbox"/>
b. _____ The proposed action may sever, cross or otherwise limit access to agricultural land (includes cropland, hayfields, pasture, vineyard, orchard, etc.).	E.1.a E.1.b	<input type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may result in the excavation or compaction of the soil profile of active agricultural land.	E.3.b	<input type="checkbox"/>	<input type="checkbox"/>
d. _____ The proposed action may irreversibly convert agricultural land to non-agricultural uses, either more than 2.5 acres if located in an Agricultural District or more than 10 acres if not within an Agricultural District.	E.1.b E.3.a	<input type="checkbox"/>	<input type="checkbox"/>
e. _____ The proposed action may disrupt or prevent installation of an agricultural land management system.	E.1.a E.1.b	<input type="checkbox"/>	<input type="checkbox"/>
f. _____ The proposed action may result, directly or indirectly, in increased development potential or pressure on farmland.	C.2.c, C.3 D.2.c, D.2.d	<input type="checkbox"/>	<input type="checkbox"/>
g. _____ The proposed project is not consistent with the adopted municipal Farmland Protection Plan.	C.2.c	<input type="checkbox"/>	<input type="checkbox"/>
h. _____ Other impacts:	 	<input type="checkbox"/>	<input type="checkbox"/>

9. _____ Impact on Aesthetic Resources The land use of the proposed action are obviously different from, or are in sharp contrast to, current land use patterns between the proposed project and a scenic or aesthetic resource. (See Part 1.E.1.a, E.1.b, E.3.h) <i>If "YES", answer questions a-g and complete Appendix B - Visual EAF Addendum. If "NO", move on to Section 10.</i>			
YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>			
	Relevant Part 1 Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. _____ Proposed action may be visible from any officially designated federal, state, or local scenic or aesthetic resource.	E.3.h	<input type="checkbox"/>	<input type="checkbox"/>
b. _____ The proposed action may	C.2.b	<input type="checkbox"/>	<input type="checkbox"/>

result in the obstruction, elimination or significant screening of one or more officially designated scenic views.	E.3.h		
c. The proposed action may be visible from publicly accessible vantage points: i. Seasonally (e.g., screened by summer foliage, but visible during other seasons) ii. Year round	E.3.h E.3.h	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
d. _____ The situation or activity in which viewers are engaged while viewing the proposed action is: i. Routine travel by residents, including travel to and from work ii. Recreational or tourism based activities	E.3.h E.2.u E.1.c	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
e. _____ The proposed action may cause a diminishment of the public enjoyment and appreciation of the designated aesthetic resource.	E.3.h	<input type="checkbox"/>	<input type="checkbox"/>
f. _____ There are similar projects visible within the following distance of the proposed project: 0 – ½ mile ½ – 3 mile 3 – 5 mile 5+ mile	D.1.a D.1.h D.1.i E.1.a	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
g. _____ Other impacts:		<input type="checkbox"/>	<input type="checkbox"/>

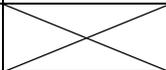
10. _____ Impact on Historic and Archeological Resources			
The proposed action may occur in or adjacent to an historic or archaeological resource. (See Part 1.E.3.e, E.3.f, E.3.g)		YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
<i>If "YES", answer questions a-e. If "NO", move on to Section 11.</i>			
	Relevant Part 1 Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. _____ The proposed action may occur wholly or partially within, or substantially contiguous to, any buildings, archaeological site or district which is listed on or has been nominated by the NYS Board of Historic Preservation for inclusion on the State or National Register of Historic Places.	E.3.e	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. _____ The proposed action may occur wholly or partially within, or substantially contiguous to, an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory.	E.3.f	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may occur wholly or partially within, or substantially contiguous to, an archaeological site not included on the NY SHPO inventory. Source:	E.3.g	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. _____ Other impacts:		<input type="checkbox"/>	<input type="checkbox"/>
e. _____ If any of the above (a-d) are answered "Yes", continue with the following questions to help support conclusions in Part 3: i. The proposed action may result in the destruction or alteration of all or part of the site or property.	E.3.e – E.3g	<input type="checkbox"/>	<input type="checkbox"/>

ii. The proposed action may result in the alteration of the property's setting or integrity.	E.1.a, E.1.b E.3.e – E.3.g	<input type="checkbox"/>	<input type="checkbox"/>
iii. The proposed action may result in the introduction of visual elements which are out of character with the site or property, or may alter its setting.	C2, C3 E.3.g, E.3.h	<input type="checkbox"/>	<input type="checkbox"/>

11. _____ Impact on Open Space and Recreation

The proposed action may result in a loss of recreational opportunities or a reduction of an open space resource as designated in any adopted municipal open space plan. (See Part 1.C.2.c, E.1.c, E.2.u) YES NO

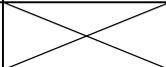
If "YES", answer questions a-e. If "NO", move on to Section 12.

	Relevant Part 1 Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. _____ The proposed action may result in an impairment of natural functions, or "ecosystem services", provided by an undeveloped area, including but not limited to stormwater storage, nutrient cycling, and wildlife habitat.	D.2.e, E.1.b E.2.h – E.2.l E.2.q – E.2.t	<input type="checkbox"/>	<input type="checkbox"/>
b. _____ The proposed action may result in the loss of a current or future recreational resource.	C.2.a, C.2.c E.1.c, E.2.u	<input type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may eliminate open space or recreational resource in an area with few such resources.	C.2.a, C.2.c E.1.c, E.2.u	<input type="checkbox"/>	<input type="checkbox"/>
d. The proposed action may result in loss of an area now used informally by the community as an open space resource.	C.2.c, E.1.c	<input type="checkbox"/>	<input type="checkbox"/>
e. _____ Other impacts:		<input type="checkbox"/>	<input type="checkbox"/>

12. _____ Impact on Critical Environmental Areas

The proposed action may be located within or adjacent to a critical environmental area (CEA). (See Part 1.E.3.d) YES NO

If "YES", answer questions a-c. If "NO", move on to Section 13.

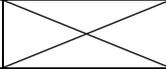
	Relevant Part 1 Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. _____ The proposed action may result in a reduction in the quantity of the resource or characteristic which was the basis for designation of the CEA.	E.3.d	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may result in a reduction in the quality of the resource or characteristic which was the basis for designation of the CEA.	E.3.d	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. _____ Other impacts:		<input type="checkbox"/>	<input type="checkbox"/>

13. _____ Impact on Transportation

The proposed action may result in a change to existing transportation systems. (See Part 1.D.2.j) YES NO

If "YES", answer questions a-f. If "NO", move on to Section 14.

	Relevant Part 1 Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. _____ Projected traffic increase	D.2.j	<input checked="" type="checkbox"/>	<input type="checkbox"/>

may exceed capacity of existing road network.			
b. _____ The proposed action may result in the construction of paved parking area for 500 or more vehicles.	D.2.j	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. _____ The proposed action will degrade existing transit access.	D.2.j	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. _____ The proposed action will degrade existing pedestrian or bicycle accommodations.	D.2.j	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. The proposed action may alter the present pattern of movement of people or goods.	D.2.j	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f. _____ Other impacts:		<input type="checkbox"/>	<input type="checkbox"/>

14. _____ Impact on Energy			
The proposed action may cause an increase in the use of any form of energy (See Part 1.D.2.k)		YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
<i>If "YES", answer questions a-e. If "NO", move on to Section 15.</i>			
	Relevant Part 1 Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. _____ The proposed action will require a new, or an upgrade to an existing, substation.	D.2.k	<input type="checkbox"/>	<input type="checkbox"/>
b. _____ The proposed action will require the creation or extension of an energy transmission or supply system to serve more than 50 single or two-family residences or to serve a commercial or industrial use.	D.1.h D.1.i D.2.k	<input type="checkbox"/>	<input type="checkbox"/>
c. _____ The proposed action may utilize more than 2,500 MWhrs per year of electricity.	D.2.k	<input type="checkbox"/>	<input type="checkbox"/>
d. The proposed action may involve heating and/or cooling of more than 100,000 square feet of building area when completed.	D.1.i	<input type="checkbox"/>	<input type="checkbox"/>
e. _____ Other impacts:		<input type="checkbox"/>	<input type="checkbox"/>

15. _____ Impact on Noise, Odor and Light			
The proposed action may result in an increase in noise, odors or outdoor lighting (See Part 1.D.2.m, D.2.n, D.2.o)		YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
<i>If "YES", answer questions a-f. If "NO", move on to Section 16.</i>			
	Relevant Part 1 Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. _____ The proposed action may produce sound above noise levels established by local regulation.	D.2.m	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. _____ The proposed action may result in blasting within 1,500 feet of any residence, hospital, school, licensed day care center, or nursing home.	D.2.m E.1.d	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. _____ The proposed action may result in routine odors for more than one hour per day.	D.2.o	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. _____ The proposed action may result in light shining onto adjoining properties.	D.2.n	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. The proposed action may result in lighting that creates sky-glow brighter than existing-area conditions.	D.2.n E.1.a	<input checked="" type="checkbox"/>	<input type="checkbox"/>

f. _____ Other impacts:		<input type="checkbox"/>	<input type="checkbox"/>
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16. _____ Impact on Human Health
 The proposed action may have an impact on human health from exposure to new or existing sources of contaminants (See Part 1.D.2.q, E.1.d, E.1.f, E.1.g, E.1.h) YES NO
If "YES", answer questions a-m. If "NO", move on to Section 17.

	Relevant Part 1 Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. _____ The proposed action is located within 1500 feet of a school, hospital, licensed day care center, group home, nursing home or retirement community.	E.1.d	<input type="checkbox"/>	<input type="checkbox"/>
b. _____ The site of the proposed action is currently undergoing remediation.	E.1.g, E.1.h	<input type="checkbox"/>	<input type="checkbox"/>
c. _____ There is a completed emergency spill remediation or a completed environmental site remediation on, or adjacent to, the site of the proposed action.	E.1.g E.1.h	<input type="checkbox"/>	<input type="checkbox"/>
d. _____ The site of the action is subject to an institutional control limiting the use of the property (e.g. easement, deed restriction)	E.1.g E.1.h	<input type="checkbox"/>	<input type="checkbox"/>
e. _____ The proposed action may affect institutional control measures that were put in place to ensure that the site remains protective of the environment and human health.	E.1.g E.1.h	<input type="checkbox"/>	<input type="checkbox"/>
f. _____ The proposed action has adequate control measures in place to ensure that future generation, treatment and/or disposal of hazardous wastes will be protective of the environment and human health.	D.2.t	<input type="checkbox"/>	<input type="checkbox"/>
g. _____ The proposed action involves construction or modification of a solid waste management facility.	D.2.q E.1.f	<input type="checkbox"/>	<input type="checkbox"/>
h. _____ The proposed action may result in the unearthing of solid or hazardous waste.	D.2.q E.1.f	<input type="checkbox"/>	<input type="checkbox"/>
i. _____ The proposed action may result in an increase in the rate of disposal, or processing, of solid waste.	D.2.r D.2.s	<input type="checkbox"/>	<input type="checkbox"/>
j. _____ The proposed action may result in excavation or other disturbance within 2000 feet of a site used for the disposal of solid or hazardous waste.	E.1.f – E.1.h	<input type="checkbox"/>	<input type="checkbox"/>
k. _____ The proposed action may result in the migration of explosive gases from a landfill site to adjacent off site structures.	E.1.f E.1.g	<input type="checkbox"/>	<input type="checkbox"/>
l. The proposed action may result in the release of contaminated leachate from the project site.	D.2.r, D.2.s E.1.f	<input type="checkbox"/>	<input type="checkbox"/>
m. _____ Other impacts:		<input type="checkbox"/>	<input type="checkbox"/>

17. _____ Consistency with Community Plans
 The proposed action is not consistent with adopted land use plans. (See Part 1.C.1, C.2, C.3) YES NO
If "YES", answer questions a-h. If "NO", move on to Section 18.

	Relevant Part 1 Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. _____ The proposed action's land use components may be different from, or in sharp contrast to, current surrounding land use pattern(s).	C.2, C.3, D.1.a, E.1.a, E.1.b	<input type="checkbox"/>	<input type="checkbox"/>
b. _____ The proposed action will cause the permanent population of the city, town or village in which the project is located to grow by more than 5%.	C.2	<input type="checkbox"/>	<input type="checkbox"/>
c. _____ The proposed action is inconsistent with local land use plans or zoning regulations.	C.2, C.3	<input type="checkbox"/>	<input type="checkbox"/>
d. _____ The proposed action is inconsistent with any County plans, or other regional land use plans.	C.2	<input type="checkbox"/>	<input type="checkbox"/>
e. The proposed action may cause a change in the density of development that is not supported by existing infrastructure or is distant from existing infrastructure.	C.3 D.1.e, D.1.f, D.1.h, E.1.b	<input type="checkbox"/>	<input type="checkbox"/>
f. The proposed action is located in an area characterized by low density development that will require new or expanded public infrastructure.	C.4, D.2.c, D.2.d, D.2.j	<input type="checkbox"/>	<input type="checkbox"/>
g. The proposed action may induce secondary development impacts (e.g., residential or commercial development not included in the proposed action)	C.2.a	<input type="checkbox"/>	<input type="checkbox"/>
h. _____ Other impacts:		<input type="checkbox"/>	<input type="checkbox"/>

18. _____ Consistency with Community Character The proposed action is inconsistent with the existing community character YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> (See Part 1.C.2, C.3, D.2, E.3) <i>If "YES", answer questions a-g. If "NO", move on to Part 3.</i>			
	Relevant Part 1 Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. _____ The proposed action may replace or eliminate existing facilities, structures, or areas of historic importance to the community.	E.3.e, E.3.f, E.3.g	<input type="checkbox"/>	<input type="checkbox"/>
b. _____ The proposed action may create a demand for additional community services (e.g. schools, police and fire)	C.4	<input type="checkbox"/>	<input type="checkbox"/>
c. _____ The proposed action may displace affordable or low-income housing in an area where there is a shortage of such housing.	C.2, C.3, D.1.h, D.1.i, E.1.a	<input type="checkbox"/>	<input type="checkbox"/>
d. _____ The proposed action may interfere with the use or enjoyment of officially recognized or designated public resources.	C.2, E.3	<input type="checkbox"/>	<input type="checkbox"/>
e. The proposed action is inconsistent with the predominant architectural scale and character.	C.2, C.3	<input type="checkbox"/>	<input type="checkbox"/>
f. Proposed action is inconsistent with the character of the existing natural landscape.	C.2, C.3, E.1.a, E.1.b, E.2.g – E.2.l	<input type="checkbox"/>	<input type="checkbox"/>
g. _____ Other impacts:		<input type="checkbox"/>	<input type="checkbox"/>

SUFFOLK COUNTY
FULL ENVIRONMENTAL ASSESSMENT FORM
6 NYCRR Part 617
State Environmental Quality Review

**Part 3 – Evaluation of the Magnitude and Importance of Project Impacts
and
Determination of Significance**

Part 3 provides the reasons in support of the determination of significance. The lead agency must complete Part 3 for every question in Part 2 where the impact has been identified as potentially moderate to large or where there is a need to explain why a particular element of the proposed action will not, or may, result in a significant adverse environmental impact.

Based on the analysis in Part 3, the lead agency must decide whether to require an environmental impact statement to further assess the proposed action or whether available information is sufficient for the lead agency to conclude that the proposed action will not have a significant adverse environmental impact. By completing the certification on the next page, the lead agency can complete its determination of significance.

Reasons Supporting This Determination:

To complete this section:

- * _____ Identify the impact based on the Part 2 responses and describe its magnitude. Magnitude considers factors such as severity, size or extent of an impact.
- * _____ Assess the importance of the impact. Importance relates to the geographic scope, duration, probability of the impact occurring, number of people affected by the impact and any additional environmental consequences if the impact were to occur.
- * _____ The assessment should take into consideration any design element or project changes.
- * _____ Repeat this process for each Part 2 question where the impact has been identified as potentially moderate to large or where there is a need to explain why a particular element of the proposed action will not, or may, result in a significant adverse environmental impact.
- * _____ Provide the reason(s) why the impact may, or will not, result in a significant adverse environmental impact
- * _____ For Conditional Negative Declarations identify the specific condition(s) imposed that will modify the proposed action so that no significant adverse environmental impacts will result.
- * _____ Attach additional sheets, as needed.

**Determination of Significance
Type 1 and Unlisted Actions**

SEQR Status: Type I Unlisted

Identify portions of EAF completed for this project: Part 1 Part 2 Part 3

Upon review of the information recorded on this EAF, as noted, plus this additional support information and considering both the magnitude and importance of each identified potential impact, it is the conclusion of _____ as lead agency that:

A. This project will result in no significant adverse impacts on the environment, and, therefore, an environmental impact statement need not be prepared. Accordingly, this negative declaration is issued.

B. Although this project could have a significant adverse impact on the environment, that impact will be avoided or substantially mitigated because of the following conditions which will be required by the lead agency:

There will, therefore, be no significant adverse impacts from the project as conditioned, and therefore, this conditioned negative declaration is issued. A conditioned negative declaration may be used only for UNLISTED actions (see 6 NYCRR 617.7(d)).

C. This Project may result in one or more significant adverse impacts on the environment, and an environmental impact statement must be prepared to further assess the impact(s) and possible mitigation and to explore alternatives to avoid or reduce those impacts. Accordingly, this positive declaration is issued.

Name of Action:

Name of Lead Agency:

Name of Responsible Officer in Lead Agency:

Title of Responsible Officer in Lead Agency:

Signature of Responsible Officer in Lead Agency: _____ Date: _____

Signature of Preparer (if different from Responsible Officer) _____ Date: _____

For Further Information:

Contact Person:

Address:

Telephone Number:

Email:

For Type 1 Actions and Conditioned Negative Declarations, a copy of this Notice is sent to:

Chief Executive Officer of the political subdivision in which the action will be principally located (Town/City/Village)

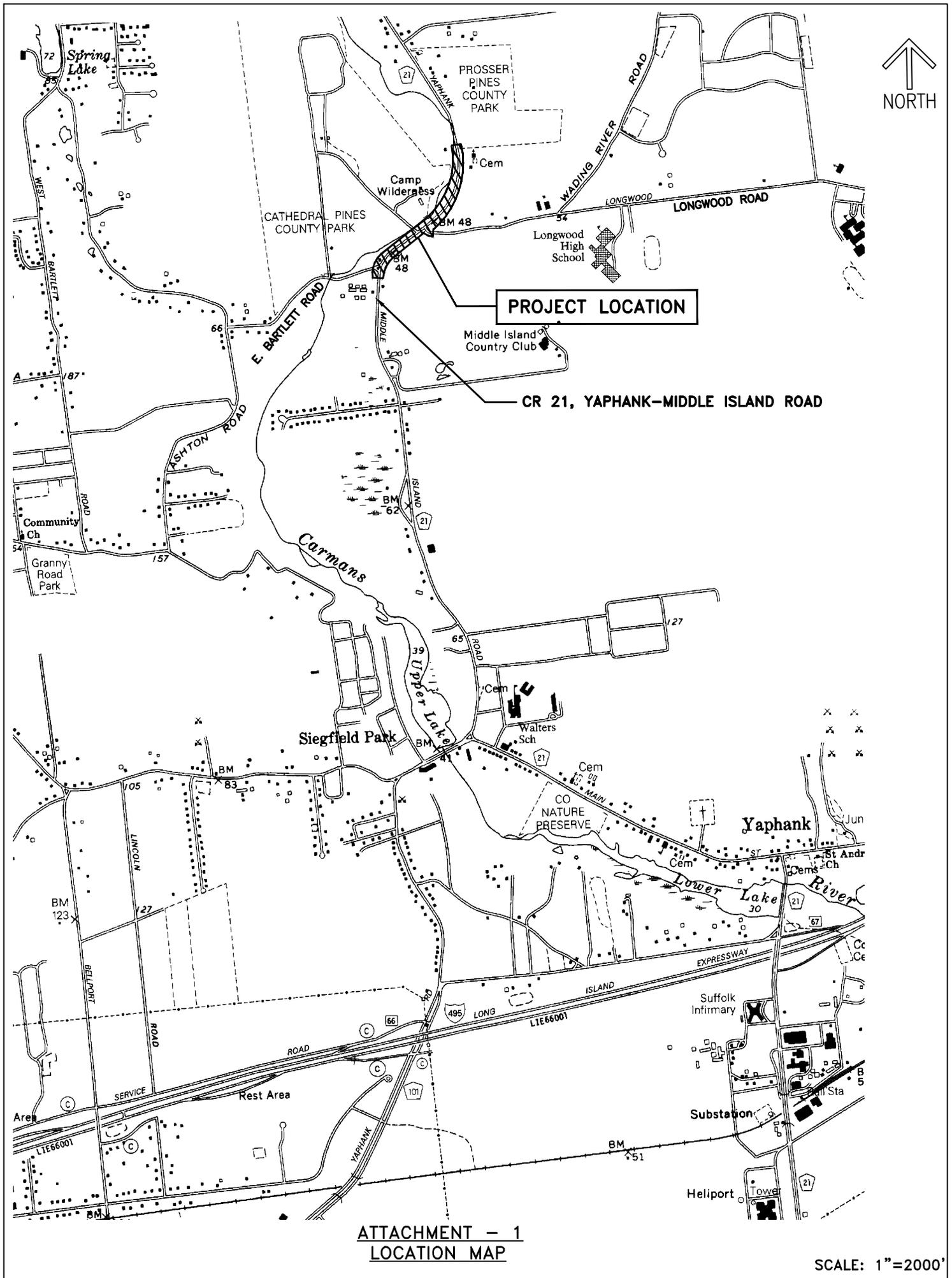
Other involved agencies (if any)

Applicant (if any)

Environmental Notice Bulletin: <http://www.dec.ny.gov/enb/enb.html>

**List of Attachments for Environmental Assessment Form
CP 5138 – Improvements to CR 21, Middle Island –Yaphank Road
In the Vicinity of Longwood Road**

1. Location Map
2. Aerial Key Map
3. Preliminary Construction Plans
4. NYSDEC Environmental Resources Mapper Data
5. Critical Environmental Area (CEA) Map #2
6. Central Pine Barrens Area Map
7. FEMA Flood Insurance Rate Map
8. Wild, Scenic & Recreational Rivers Listing
9. Soil Report
10. Photos
11. Correspondence from NYSDEC Natural Heritage Program
12. Correspondence from NYS Office of Parks, Recreation and Historic Preservation

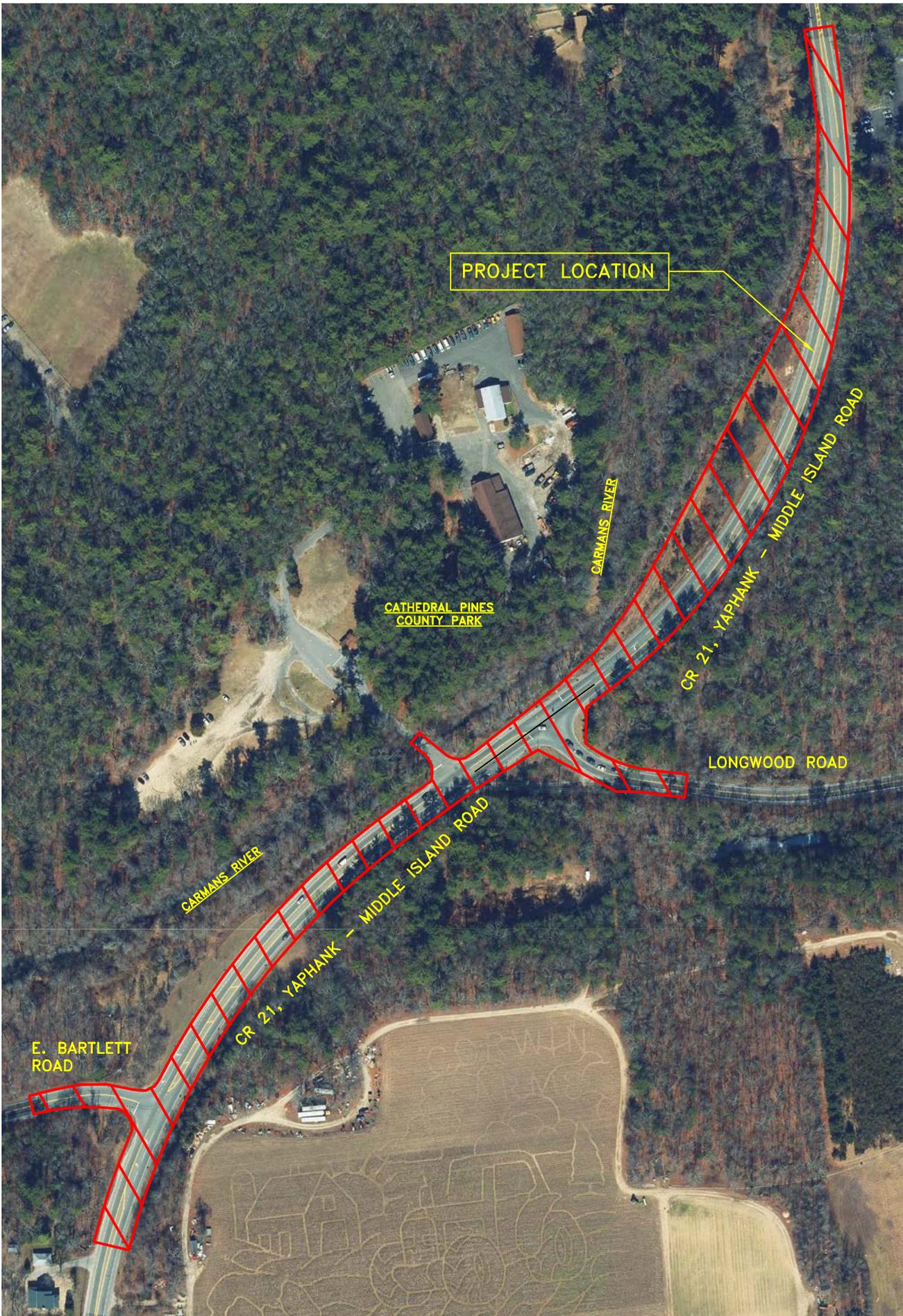


PROJECT LOCATION

CR 21, YAPHANK-MIDDLE ISLAND ROAD

**ATTACHMENT - 1
LOCATION MAP**

SCALE: 1"=2000'



PROJECT LOCATION

CATHEDRAL PINES
COUNTY PARK

CARMANS RIVER

CR 21, YAPHANK - MIDDLE ISLAND ROAD

LONGWOOD ROAD

CARMANS RIVER

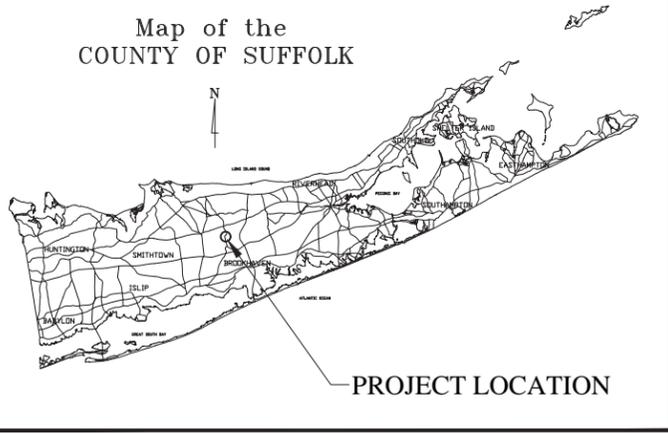
CR 21, YAPHANK - MIDDLE ISLAND ROAD

E. BARTLETT
ROAD

ATTACHMENT - 2
AERIAL KEY PLAN

SCALE: 1"=250'

Map of the
COUNTY OF SUFFOLK



PROJECT LOCATION

THIS PROJECT INVOLVES IMPROVEMENTS TO C.R. 21, MIDDLE ISLAND - YAPHANK ROAD IN THE VICINITY OF LONGWOOD ROAD IN THE TOWN OF BROOKHAVEN, SUFFOLK COUNTY, NEW YORK



COUNTY OF SUFFOLK
DEPARTMENT OF PUBLIC WORKS

PLANS SHOWING

IMPROVEMENTS TO
C.R. 21, MIDDLE ISLAND-YAPHANK ROAD
IN THE VICINITY OF
LONGWOOD ROAD
TOWN OF BROOKHAVEN, SUFFOLK COUNTY, NEW YORK

CAPITAL PROJECT NUMBER 5138
NYSDEC PERMIT NUMBER XXX

THE LATEST REVISIONS OF THE STANDARD SHEETS MAINTAINED BY THE NYS DOT, WHICH ARE CURRENT ON THE DATE OF ADVERTISEMENT FOR BIDS, SHALL BE CONSIDERED TO BE IN EFFECT. ALL PAY ITEMS AND WORK CONTAINED IN THE CONTRACT AND ANY ADDITIONAL PAY ITEMS AND WORK ENCOUNTERED DURING THE COURSE OF THE CONTRACT SHALL BE SUBJECT TO THE APPLICABLE STANDARD SHEET(S) UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS.

ALL WORK CONTEMPLATED UNDER THIS CONTRACT IS TO BE COVERED BY AND IN CONFORMITY WITH THE STANDARD SPECIFICATIONS (US CUSTOMARY UNITS) OF MAY 1, 2021, EXCEPT AS MODIFIED ON THESE PLANS AND IN THE ITEMIZED PROPOSAL.

PRELIMINARY PLAN

PLAN REVIEWED BY

SECTION	INITIAL	DATE
CONSTRUCTION		
HIGHWAY ENGINEERING		
TRAFFIC SAFETY & PERMITS		
BRIDGES, STRUCTURES		
WATERWAYS		

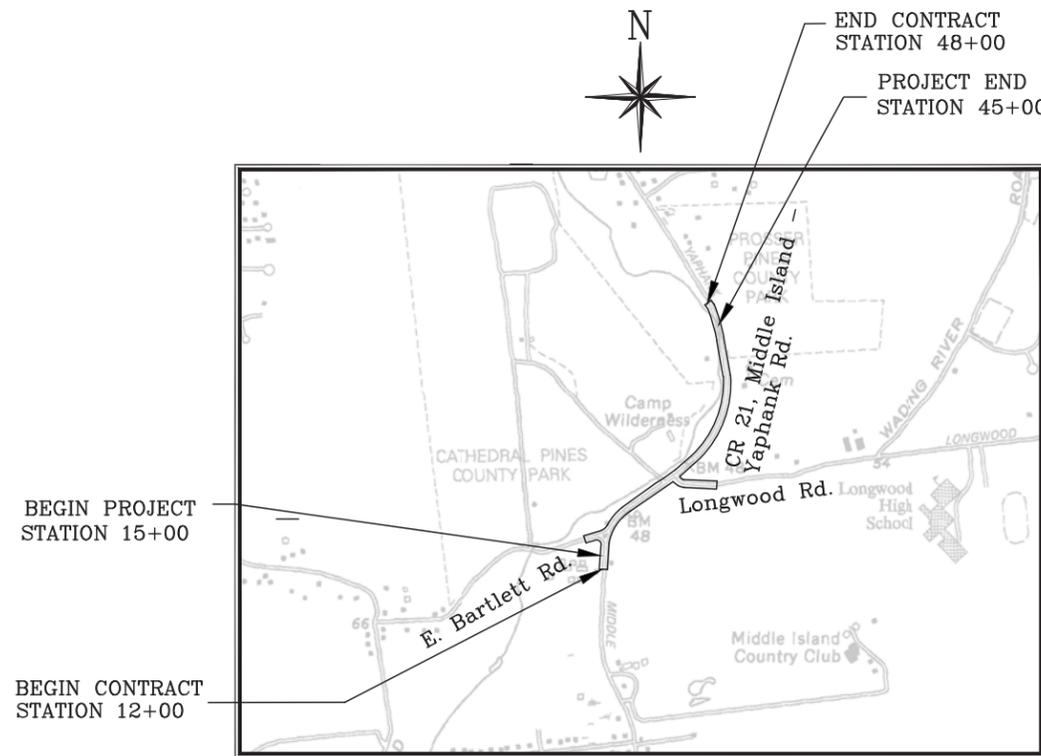
LETTING DATE: _____

CONTRACTOR: _____

ENGINEER IN CHARGE: _____

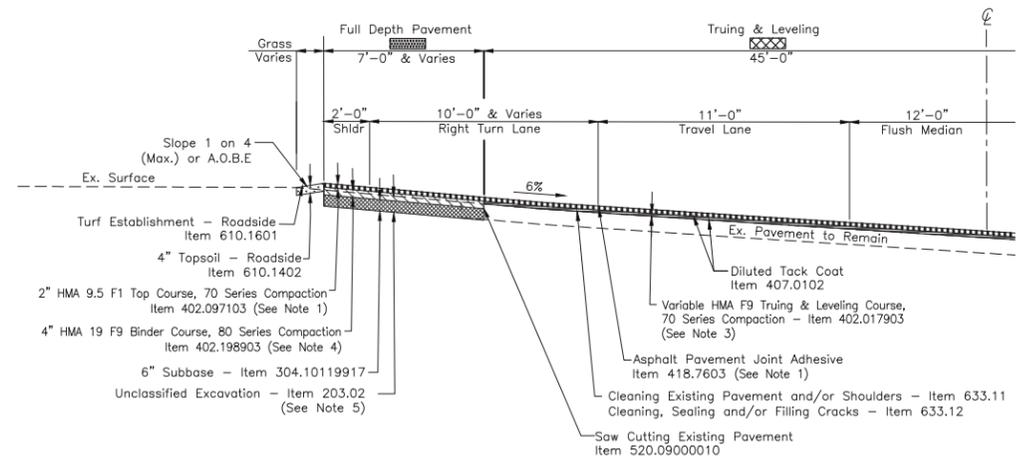
COMPLETION DATE: _____

NYS EDUCATION LAW NOTE:
IT IS VIOLATION OF NYS EDUCATION LAW FOR ANY PERSON TO ALTER A DOCUMENT IN ANY WAY, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. IF A DOCUMENT BEARING THE SEAL OF AN ENGINEER IS ALTERED, THE ALTERING ENGINEER SHALL AFFIX TO THE DOCUMENT THEIR SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

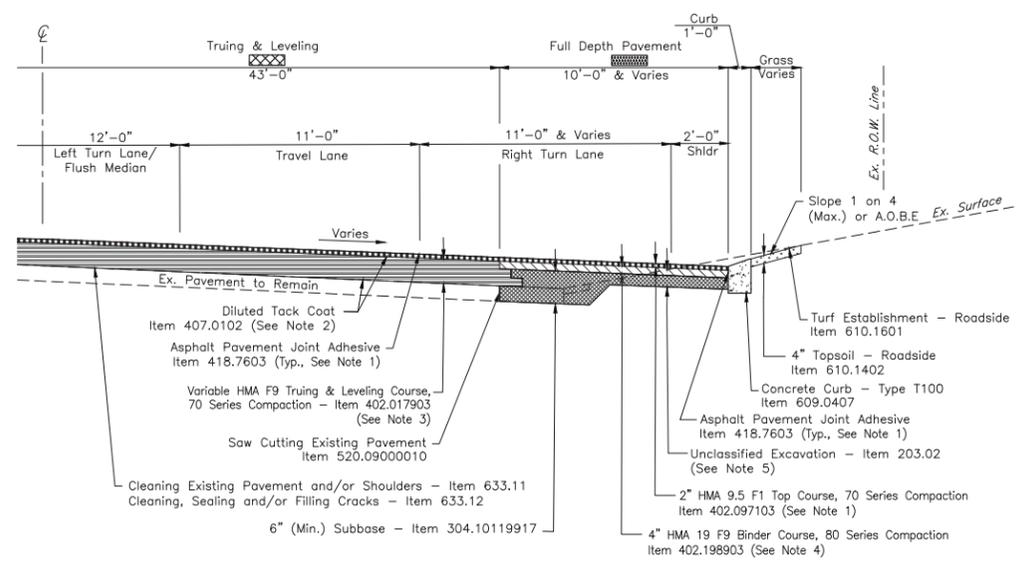


APPROVED BY: _____ DATE: _____
WILLIAM HILLMAN, P.E., CHIEF ENGINEER

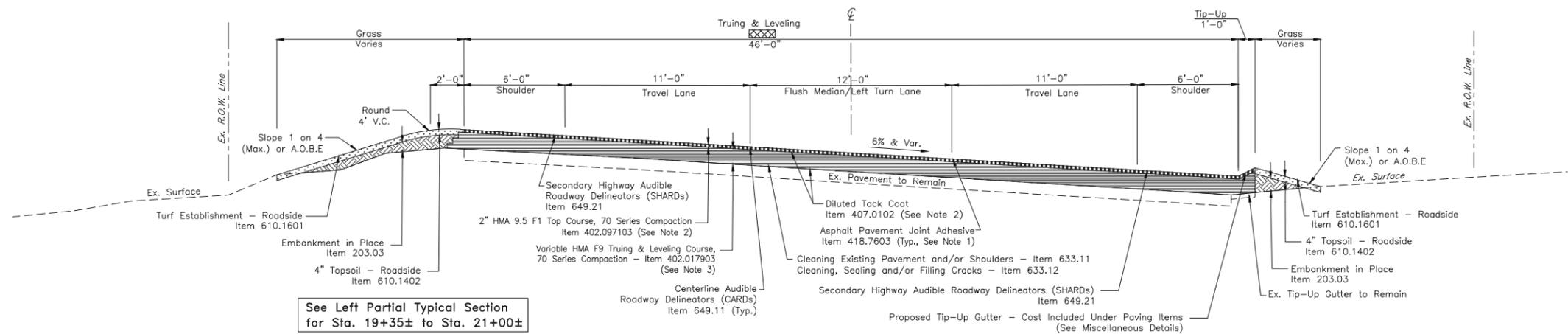
APPROVED BY: _____ DATE: _____
JOSEPH T. BROWN, P.E., COMMISSIONER OF PUBLIC WORKS



CR 21 Left Partial Typical Section
Sta. 19+35± to Sta. 21+00±
Not to Scale



CR 21 Right Partial Typical Section
Sta. 25+00± to Sta. 28+40±
Not to Scale

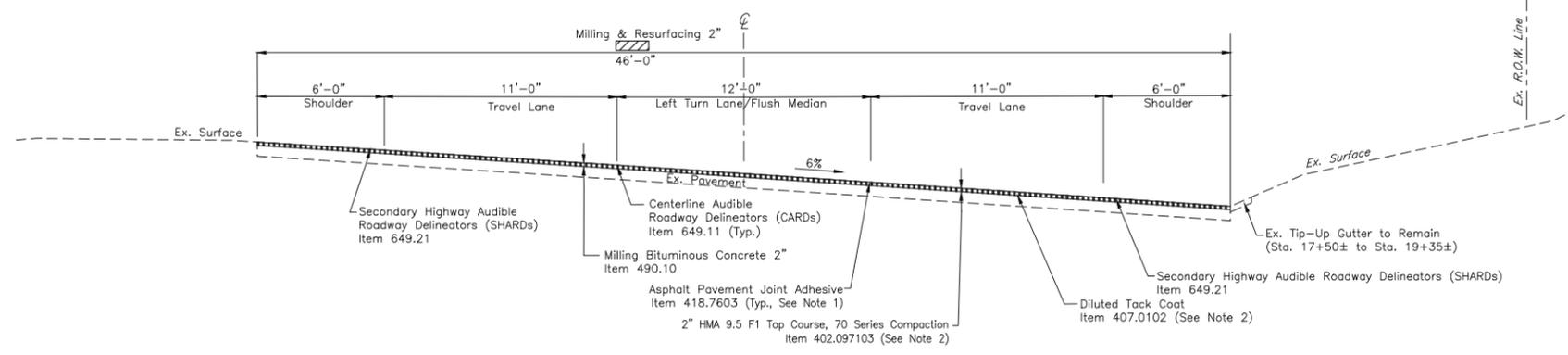


CR 21 Typical Section
Sta. 19+35± to Sta. 28+40±
Not to Scale

See Right Partial Typical Section for Sta. 25+00± to Sta. 28+40±

NOTES:

1. ASPHALT PAVEMENT JOINT ADHESIVE (ITEM 418.7603) SHALL BE USED ON VERTICAL FACES FOR ALL JOINTS ON THE SURFACE COURSE SUCH AS LONGITUDINAL, TRANSVERSE, CURBS OR OTHER JOINTS BUTTING AGAINST THE NEW ASPHALT PAVEMENT.
2. TACK COAT SHALL BE APPLIED WHENEVER RESURFACING ANY EXISTING PAVEMENT INCLUDING ANY MILLED PAVEMENT. IN ADDITION, TACK COAT SHALL BETWEEN ALL LIFTS OF HMA PAVEMENT REGARDLESS OF TIME PERIOD BETWEEN LIFTS OR CONSTRUCTION VEHICLE USE.
3. MAXIMUM LIFT THICKNESS FOR TRUING AND LEVELING COURSE SHALL BE 3 INCHES.
4. MAXIMUM LIFT THICKNESS FOR BINDER COURSE SHALL BE 2 INCHES.
5. UNCLASSIFIED EXCAVATION LIMITS SHALL EXTEND BELOW TO THE REMOVAL OF ALL TOPSOIL OR AS ORDERED BY THE ENGINEER.



CR 21 Typical Section
Sta. 17+50± to Sta. 19+35± (Superelevated Right)
Sta. 35+50± to Sta. 36+00± (Superelevated Left)
Not to Scale

Preliminary Plan



COUNTY OF SUFFOLK
DEPARTMENT OF PUBLIC WORKS
YAPHANK, NEW YORK

JOSEPH T. BROWN, P.E., COMMISSIONER

SYMBOL REVISIONS

APPROVED DATE

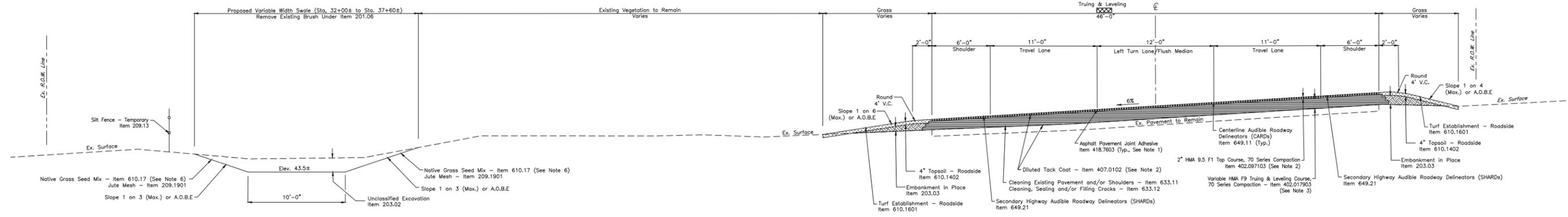
IMPROVEMENTS TO C.R. 21, MIDDLE ISLAND-YAPHANK ROAD IN THE VICINITY OF LONGWOOD ROAD

SCALE: NONE	
DATE PREPARED	MAY 2020
PROJECT NO.	5138
DRAWING NO.	TS-1
SHEET NO.	X OF xx

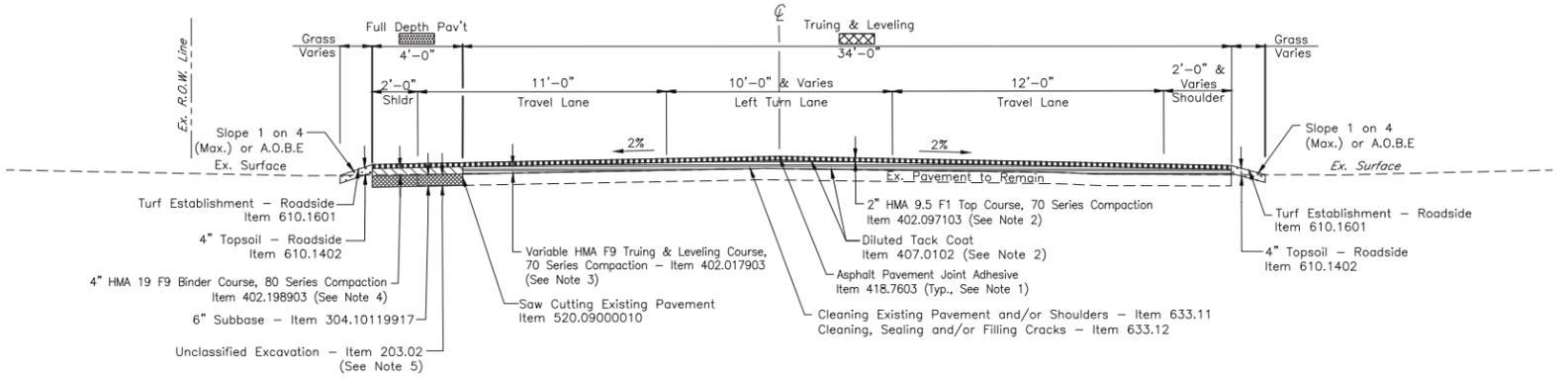
TYPICAL SECTIONS - 1

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

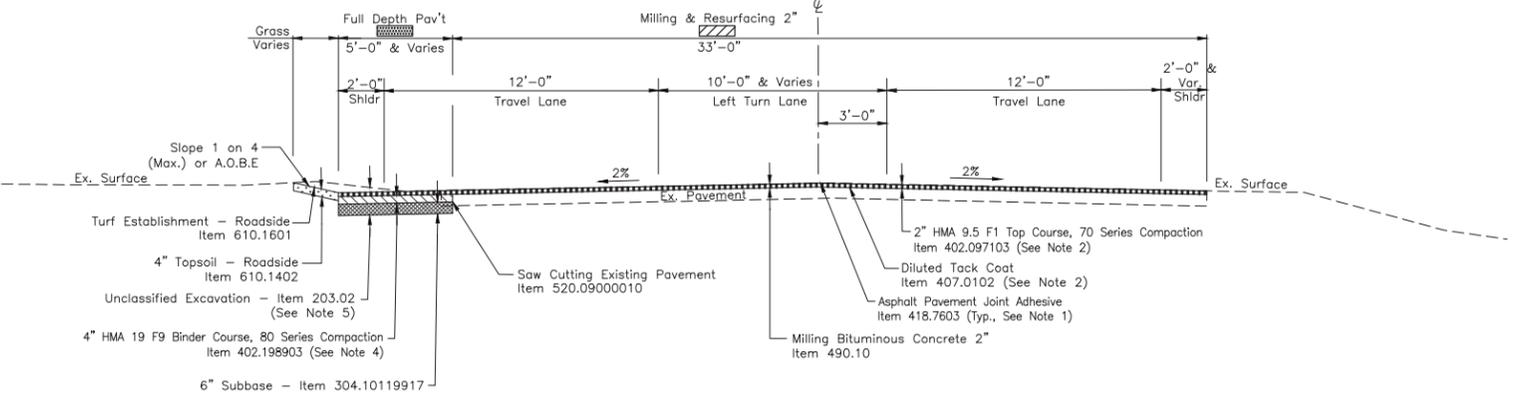
DRAWN BY: FF
CHECKED BY: AG
DESIGNED BY: AG



CR 21 Typical Section
Sta. 30+50± to Sta. 35+25±
Not to Scale



Longwood Road Typical Section
Sta. L11+00± to Sta. L12+50±
Not to Scale



East Bartlett Road Typical Section
Sta. B10+90± to Sta. B12+50±
Not to Scale

NOTES:

1. ASPHALT PAVEMENT JOINT ADHESIVE (ITEM 418.7603) SHALL BE USED ON VERTICAL FACES FOR ALL JOINTS ON THE SURFACE COURSE SUCH AS LONGITUDINAL, TRANSVERSE, CURBS OR OTHER JOINTS BUTTING AGAINST THE NEW ASPHALT PAVEMENT.
2. TACK COAT SHALL BE APPLIED WHENEVER RESURFACING ANY EXISTING PAVEMENT INCLUDING ANY MILLED PAVEMENT. IN ADDITION, TACK COAT SHALL BETWEEN ALL LIFTS OF HMA PAVEMENT REGARDLESS OF TIME PERIOD BETWEEN LIFTS OR CONSTRUCTION VEHICLE USE.
3. MAXIMUM LIFT THICKNESS FOR TRUING AND LEVELING COURSE SHALL BE 3 INCHES.
4. MAXIMUM LIFT THICKNESS FOR BINDER COURSE SHALL BE 2 INCHES.
5. UNCLASSIFIED EXCAVATION LIMITS SHALL EXTEND BELOW TO THE REMOVAL OF ALL TOPSOIL OR AS ORDERED BY THE ENGINEER.
6. NATIVE GRASS SEED MIX SHALL BE A LONG ISLAND ECO-TYPE MIXTURE CONSISTING OF SPECIES SUCH AS "SWITCHGRASS" AND "BLUESTEM" AND SHALL BE AS APPROVED BY THE ENGINEER.

DRAWN BY: FF

CHECKED BY: AG

DESIGNED BY: AG

AFFIX SEAL: ON:	ALTERED BY: ON:
Preliminary Plan	



COUNTY OF SUFFOLK
DEPARTMENT OF PUBLIC WORKS
YAPHANK, NEW YORK

JOSEPH T. BROWN, P.E., COMMISSIONER

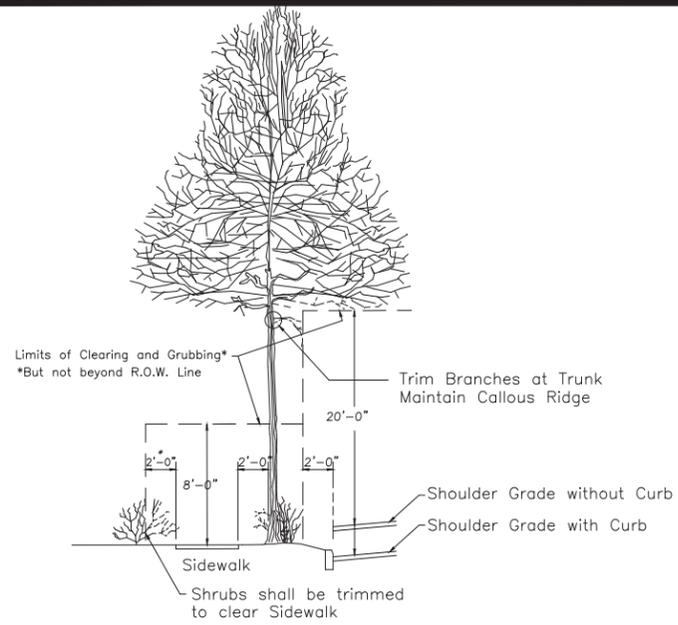
SYMBOL	REVISIONS	APPROVED	DATE

IMPROVEMENTS TO C.R. 21, MIDDLE ISLAND-YAPHANK ROAD IN THE VICINITY OF LONGWOOD ROAD

TYPICAL SECTIONS - 2

DATE PREPARED	MAY 2020
PROJECT NO.	5138
DRAWING NO.	TS-2
SHEET NO.	X OF XX

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.



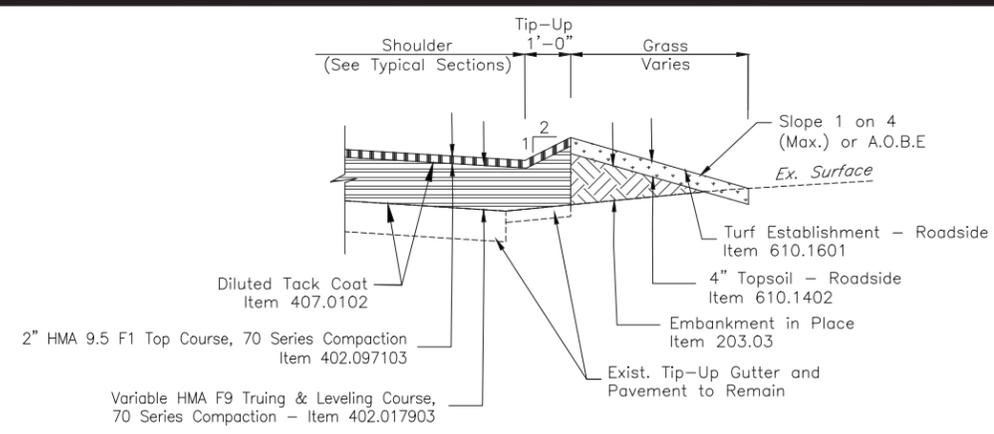
Notes:

Trees and shrubs are to be pruned & trimmed in accordance with the specifications for Item No. 201.06 and with the following requirements. The cost is to be included in the price bid for Item No. 201.06.

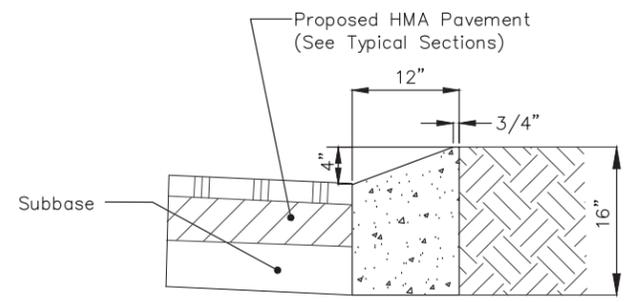
Pruning & trimming may be required beyond the limits indicated in order to maintain adequate sight distance for all traffic signs and signals. Additional branch pruning & trimming will be required on existing trees and shrubs in the vicinity of the proposed landscaping as shown on the landscaping plans or as ordered by the Engineer.

All work shall be done according to acceptable horticultural and pruning practices.

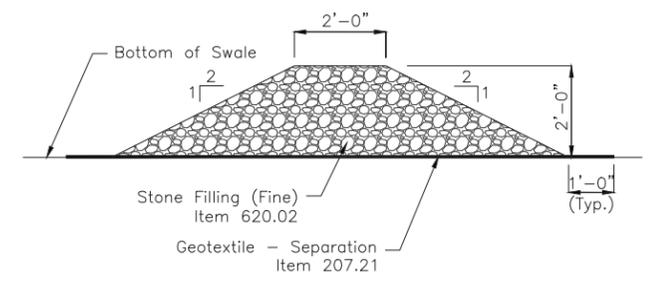
All trees located within 2'-0" of the face of curb/edge of pavement are to be removed, unless otherwise directed by the engineer.



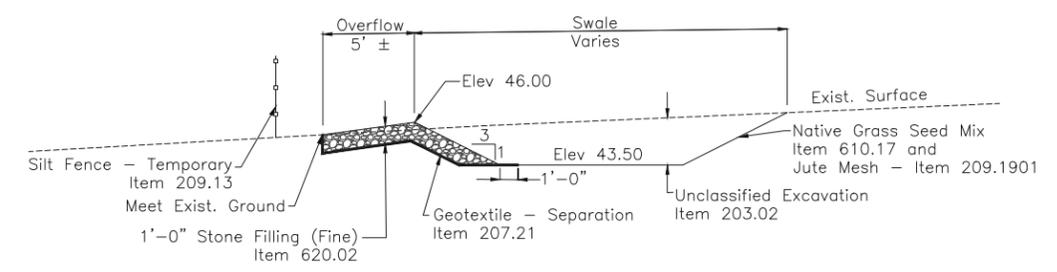
Tip-Up Gutter Detail
Not to Scale



Concrete Curb Type T100 Detail
Item 609.0407
Not to Scale

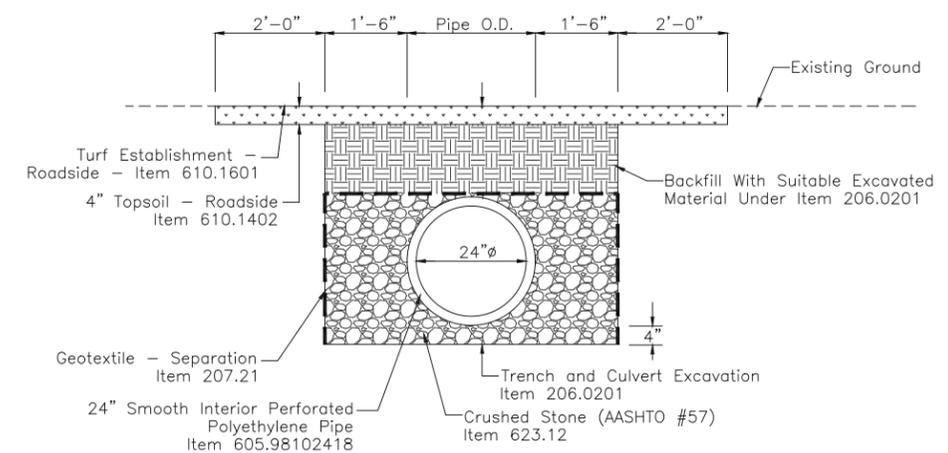


Rip-Rap Berm Detail
Not to Scale

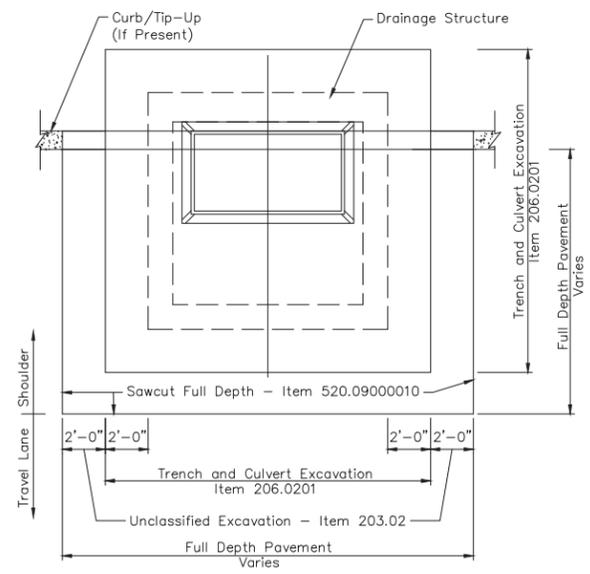


Swale Overflow Detail
Not to Scale

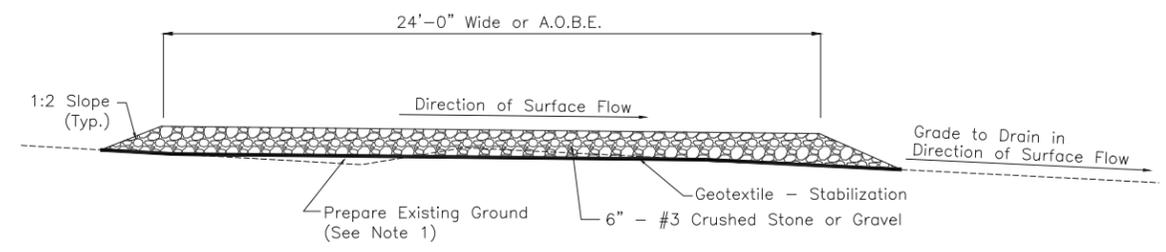
Clearing and Grubbing Detail
Item 201.06
Not to Scale



Perforated Pipe Drainage System Detail
Not to Scale



Full Depth Asphalt Pavement Repair Detail at Drainage Structures
Not to Scale



Stabilized Construction Entrance Detail
Item 209.22
Not to Scale

Stabilized Construction Entrance General Notes:

1. The contractor shall grade to prepare and smooth original ground for placement of geotextile and 6" layer of #3 crushed stone or gravel entrance material up to the edge of the existing pavement.
2. The entrance shall be flared at the pavement edge to allow for turning movements of vehicles entering and exiting the roadway.
3. Inspect the entrance weekly for sediment accumulation within the stone surface and for general surface condition.
4. Periodic maintenance is required if sediment is tracked onto the pavement and the cost of this maintenance, including pavement cleaning, will be included in the unit price bid for this item.

DRAWN BY: FF

CHECKED BY: AG

DESIGNED BY: AG

AFFIX SEAL ON:	ALTERED BY ON:

Preliminary Plan



COUNTY OF SUFFOLK
DEPARTMENT OF PUBLIC WORKS
YAPHANK, NEW YORK

JOSEPH T. BROWN, P.E., COMMISSIONER

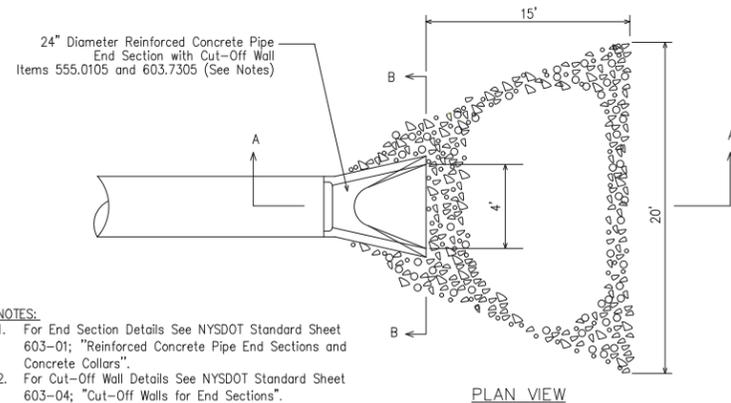
SYMBOL	APPROVED	DATE
REVISIONS		

IMPROVEMENTS TO C.R. 21, MIDDLE ISLAND-YAPHANK ROAD IN THE VICINITY OF LONGWOOD ROAD

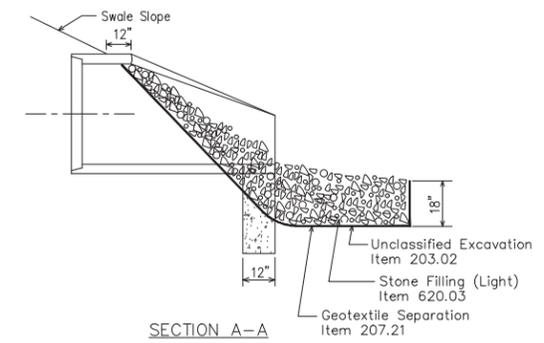
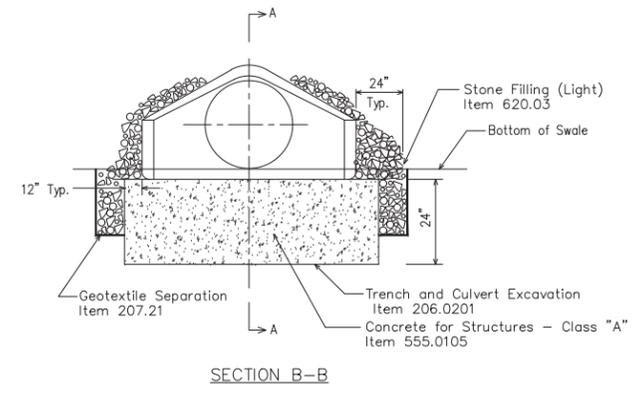
MISCELLANEOUS DETAILS - 1

SCALE: NONE
DATE PREPARED MAY 2020
PROJECT NO. 5138
DRAWING NO. MD-1
SHEET NO. X OF xx

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.



- NOTES:**
1. For End Section Details See NYSDOT Standard Sheet 603-01; "Reinforced Concrete Pipe End Sections and Concrete Collars".
 2. For Cut-Off Wall Details See NYSDOT Standard Sheet 603-04; "Cut-Off Walls for End Sections".



24" RCP End Section and Rip Rap Apron Details
Not to Scale

DRAWN BY: FF

CHECKED BY: AG

DESIGNED BY: AG

AFFIX SEAL: ON:	ALTERED BY: ON:	Preliminary Plan



COUNTY OF SUFFOLK
DEPARTMENT OF PUBLIC WORKS
YAPHANK, NEW YORK

JOSEPH T. BROWN, P.E., COMMISSIONER

SYMBOL	APPROVED	DATE
REVISIONS		

IMPROVEMENTS TO C.R. 21, MIDDLE ISLAND-YAPHANK ROAD IN THE VICINITY OF LONGWOOD ROAD

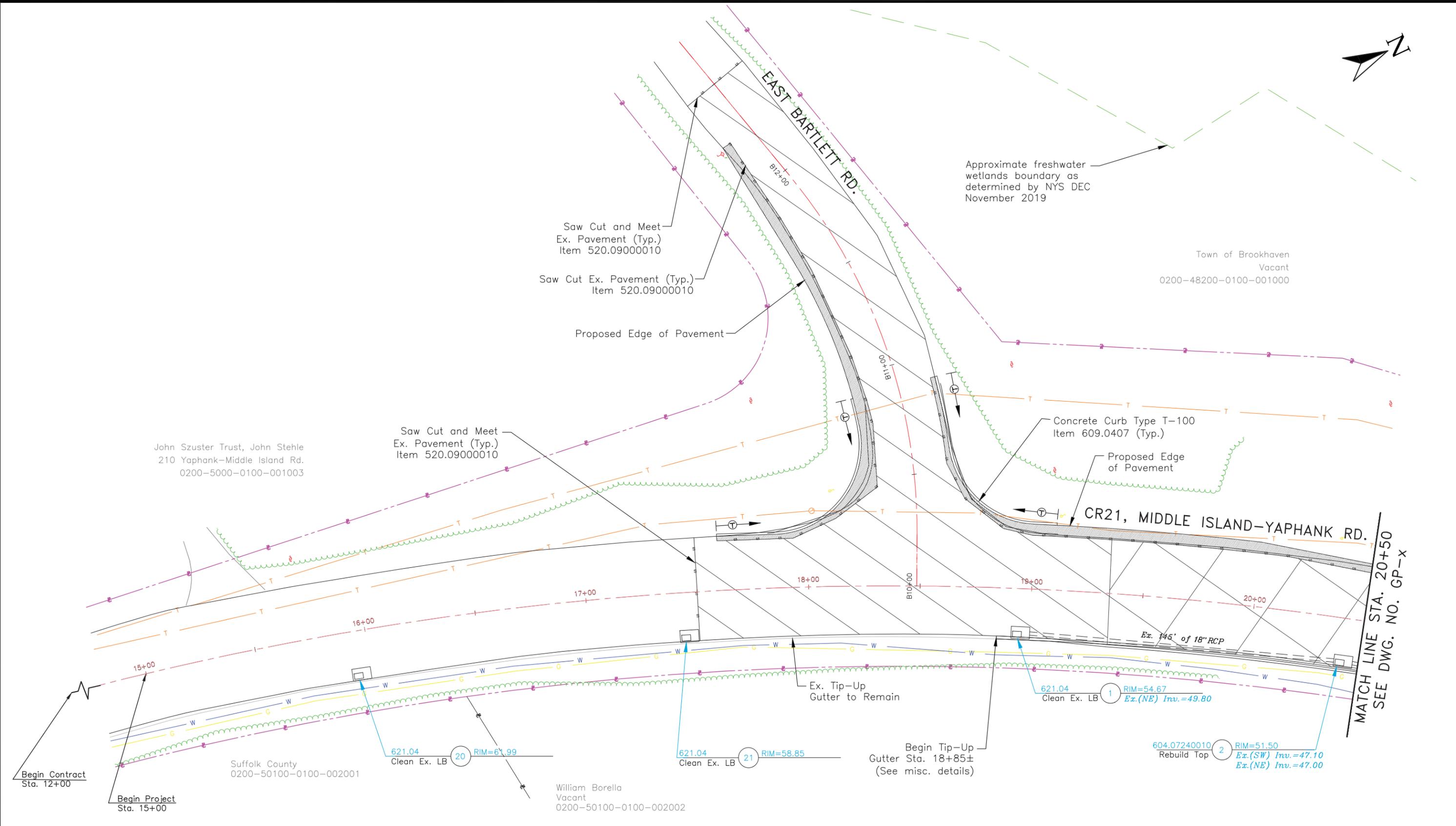
MISCELLANEOUS DETAILS - 2

SCALE: NONE
DATE PREPARED: MAY 2020
PROJECT NO. 5138
DRAWING NO. MD-2
SHEET NO. X OF xx

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DRAWN BY: FF
CHECKED BY: AG
DESIGNED BY: AG



Preliminary Plan



COUNTY OF SUFFOLK
DEPARTMENT OF PUBLIC WORKS
YAPHANK, NEW YORK

JOSEPH T. BROWN, P.E., COMMISSIONER

SYMBOL	REVISIONS	APPROVED	DATE

IMPROVEMENTS TO C.R. 21, MIDDLE ISLAND-YAPHANK ROAD IN THE VICINITY OF LONGWOOD ROAD

GENERAL PLAN
STA. 12+00 TO STA. 20+50

SCALE: 1"=20'	
DATE PREPARED	MAY 2020
PROJECT NO.	5138
DRAWING NO.	GP-1
SHEET NO.	2 OF XX

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED. THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

DRAWN BY: FF

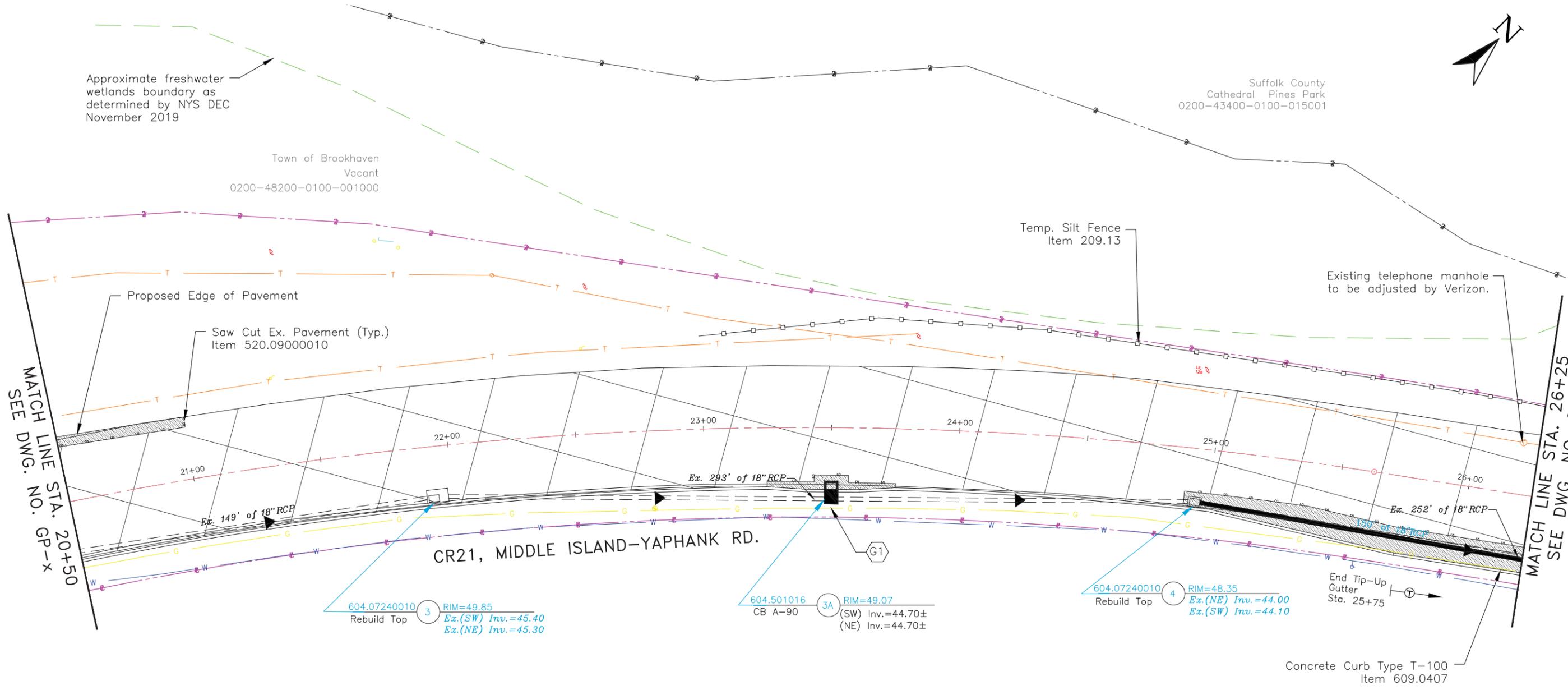
CHECKED BY: AG

DESIGNED BY: AG

Approximate freshwater wetlands boundary as determined by NYS DEC November 2019

Town of Brookhaven
Vacant
0200-48200-0100-001000

Suffolk County
Cathedral Pines Park
0200-43400-0100-015001



CR21, MIDDLE ISLAND-YAPHANK RD.

William Borella
Vacant
0200-50100-0100-002002

Preliminary Plan



COUNTY OF SUFFOLK
DEPARTMENT OF PUBLIC WORKS
YAPHANK, NEW YORK

JOSEPH T. BROWN, P.E., COMMISSIONER

SYMBOL REVISIONS

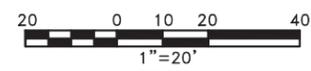
APPROVED DATE

IMPROVEMENTS TO C.R. 21, MIDDLE ISLAND-YAPHANK ROAD IN THE VICINITY OF LONGWOOD ROAD

GENERAL PLAN
STA. 20+50 TO STA. 26+25

SCALE: 1"=20'	
DATE PREPARED	MAY 2020
PROJECT NO.	5138
DRAWING NO.	GP-2
SHEET NO.	2 OF xx

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

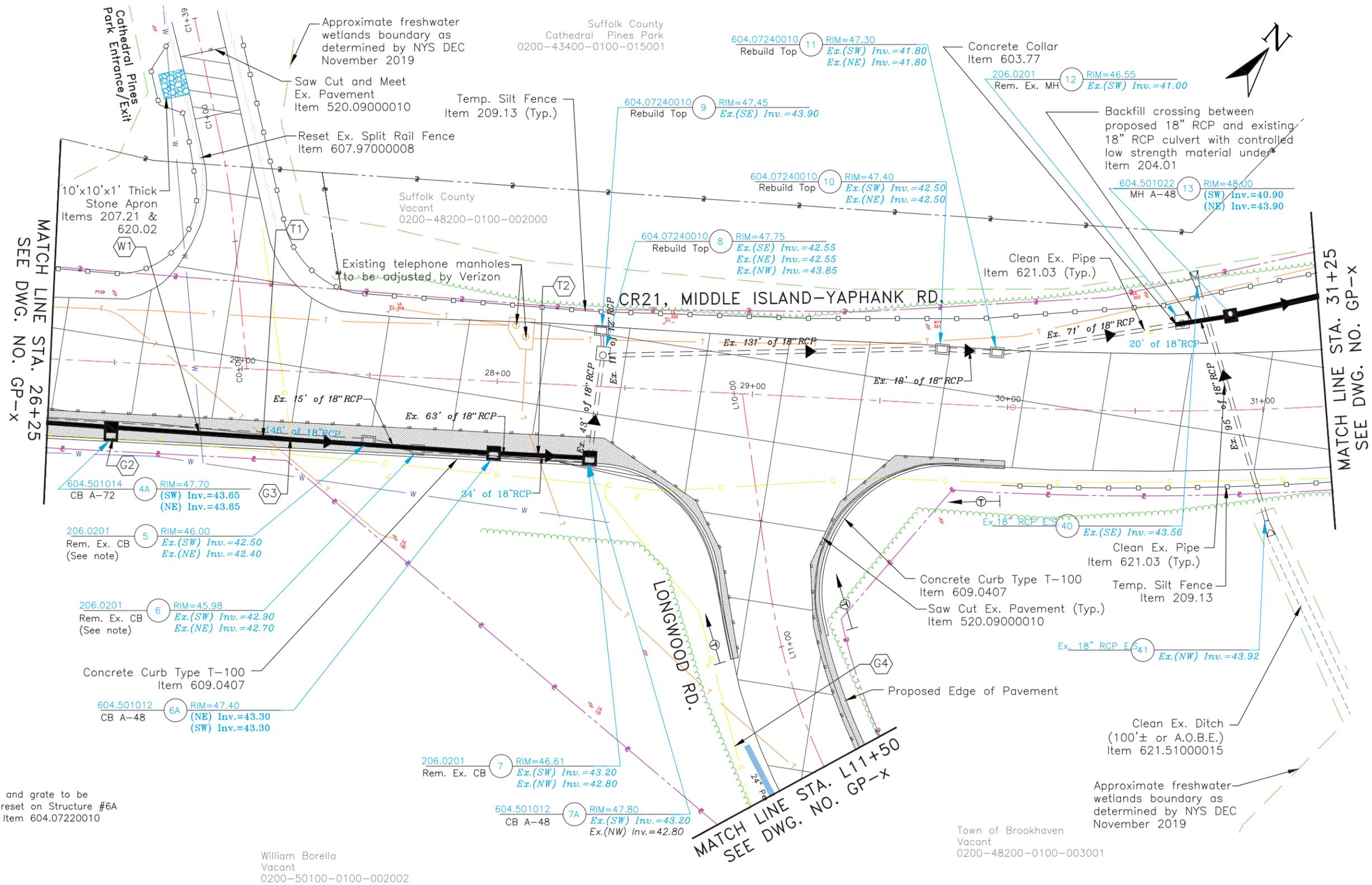


DRAWN BY: FF

CHECKED BY: AG

DESIGNED BY: AG

H:\HIGHWAYS\NEWCR.021\CR.021 at Longwood Rd.GP.dwg, GP-3, 8/24/2020 1:17:05 PM, Fabricante



Note:
Existing frame and grate to be salvaged and reset on Structure #6A or #7A under Item 604.07220010

William Borella
Vacant
0200-50100-0100-002002

Town of Brookhaven
Vacant
0200-48200-0100-003001

Preliminary Plan



COUNTY OF SUFFOLK
DEPARTMENT OF PUBLIC WORKS
YAPHANK, NEW YORK

JOSEPH T. BROWN, P.E., COMMISSIONER

SYMBOL REVISIONS

APPROVED DATE

IMPROVEMENTS TO C.R. 21, MIDDLE ISLAND-YAPHANK ROAD IN THE VICINITY OF LONGWOOD ROAD

GENERAL PLAN
STA. 26+25 TO STA. 31+25

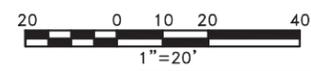
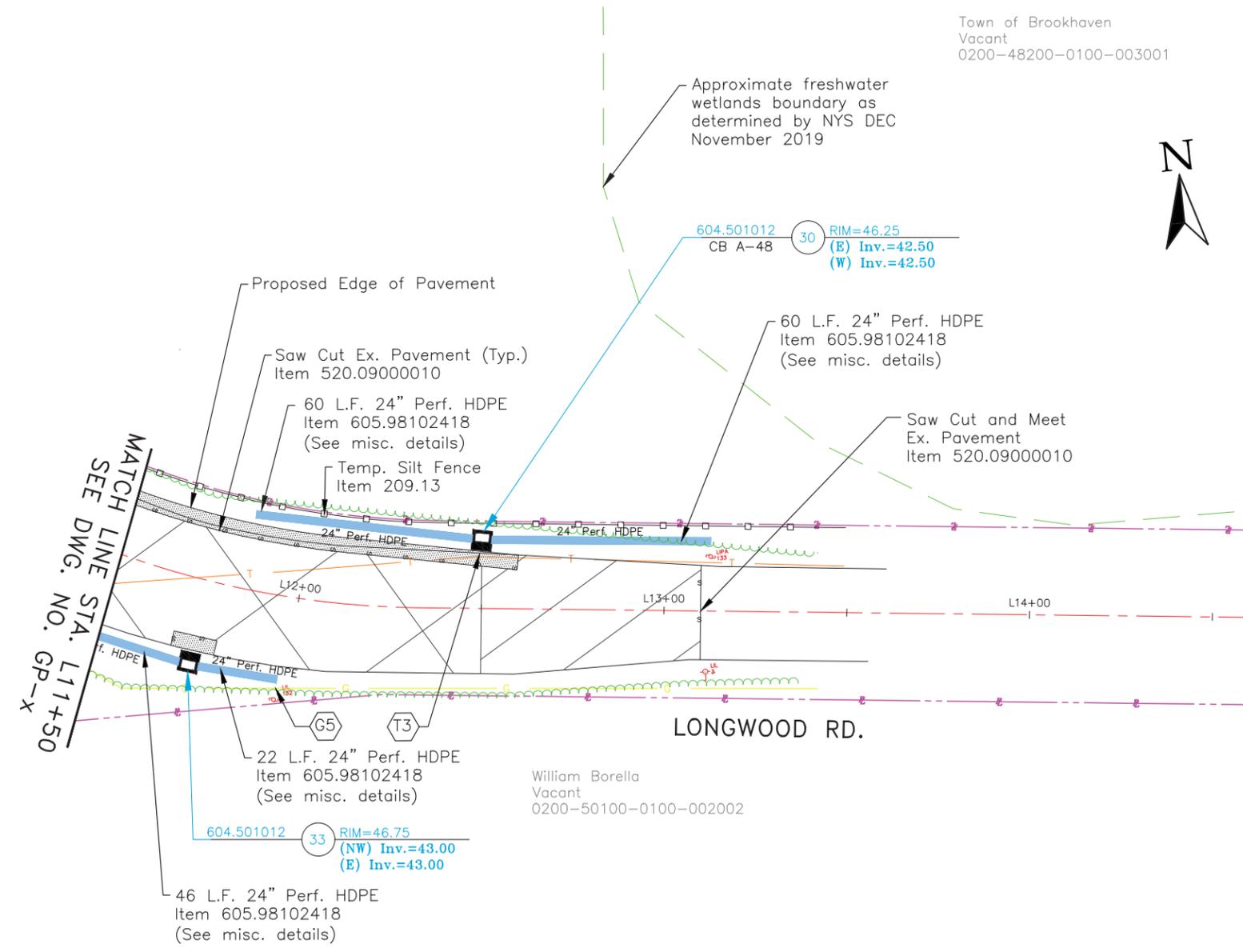
SCALE: 1"=20'	
DATE PREPARED	MAY 2020
PROJECT NO.	5138
DRAWING NO.	GP-3
SHEET NO.	2 OF xx

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DRAWN BY: FF

CHECKED BY: AG

DESIGNED BY: AG



Preliminary Plan

AFFIX SEAL: ON:	ALTERED BY: ON:



COUNTY OF SUFFOLK
DEPARTMENT OF PUBLIC WORKS
YAPHANK, NEW YORK

JOSEPH T. BROWN, P.E., COMMISSIONER

SYMBOL	REVISIONS	APPROVED	DATE

IMPROVEMENTS TO C.R. 21, MIDDLE
ISLAND-YAPHANK ROAD IN THE
VICINITY OF LONGWOOD ROAD

GENERAL PLAN
STA. L11+50 TO STA. L14+50

SCALE: 1"=20'	
DATE PREPARED	MAY 2020
PROJECT NO.	5138
DRAWING NO.	GP-4
SHEET NO.	2 OF xx

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Suffolk County
Cathedral Pines Park
0200-43400-0100-015001

Suffolk County
Vacant
0200-48200-0100-002000



Stabilized Construction
Entrance - Item 209.22
(See misc. detail sheets)

Rip Rap Berm
Items 207.21 & 620.02 (Typ.)
(See misc. detail sheets)

603.7305
24" End Sect. (NE) Inv.=43.50
(See note)

18" Thick Rip Rap Apron
Items 207.21 & 620.03
(See misc. detail sheets)

Approximate freshwater
wetlands boundary as
determined by NYS DEC
November 2019

Temp. Silt Fence
Item 209.13

Bottom of Proposed Swale
Elev. 43.50

Approximate Top of Proposed
Swale and Grading Limit

96' of 24" RCP

MATCH LINE STA. 31+25
SEE DWG. NO. GP-X

SEE DWG. NO. GP-X
MATCH LINE STA. 37+00

CR21, MIDDLE ISLAND-YAPHANK RD.

Salvador Real Estate Partners LLC
Vacant
0200-48200-0100-004000

Saw Cut and Meet
Ex. Pavement
Item 520.09000010

Note:
End section to be installed with cut-off
wall per NYSDOT Std. Sheet 603-04 under
Item 555.0105 (See misc. detail sheets)

Town of Brookhaven
Vacant
0200-48200-0100-003001

DRAWN BY: FF

CHECKED BY: AG

DESIGNED BY: AG

Preliminary Plan



COUNTY OF SUFFOLK
DEPARTMENT OF PUBLIC WORKS
YAPHANK, NEW YORK

JOSEPH T. BROWN, P.E., COMMISSIONER

SYMBOL
REVISIONS

APPROVED DATE

IMPROVEMENTS TO C.R. 21, MIDDLE
ISLAND-YAPHANK ROAD IN THE
VICINITY OF LONGWOOD ROAD

GENERAL PLAN
STA. 31+25 TO STA. 37+00

SCALE: 1"=20'

DATE PREPARED	MAY 2020
PROJECT NO.	5138
DRAWING NO.	GP-5
SHEET NO.	2 OF XX

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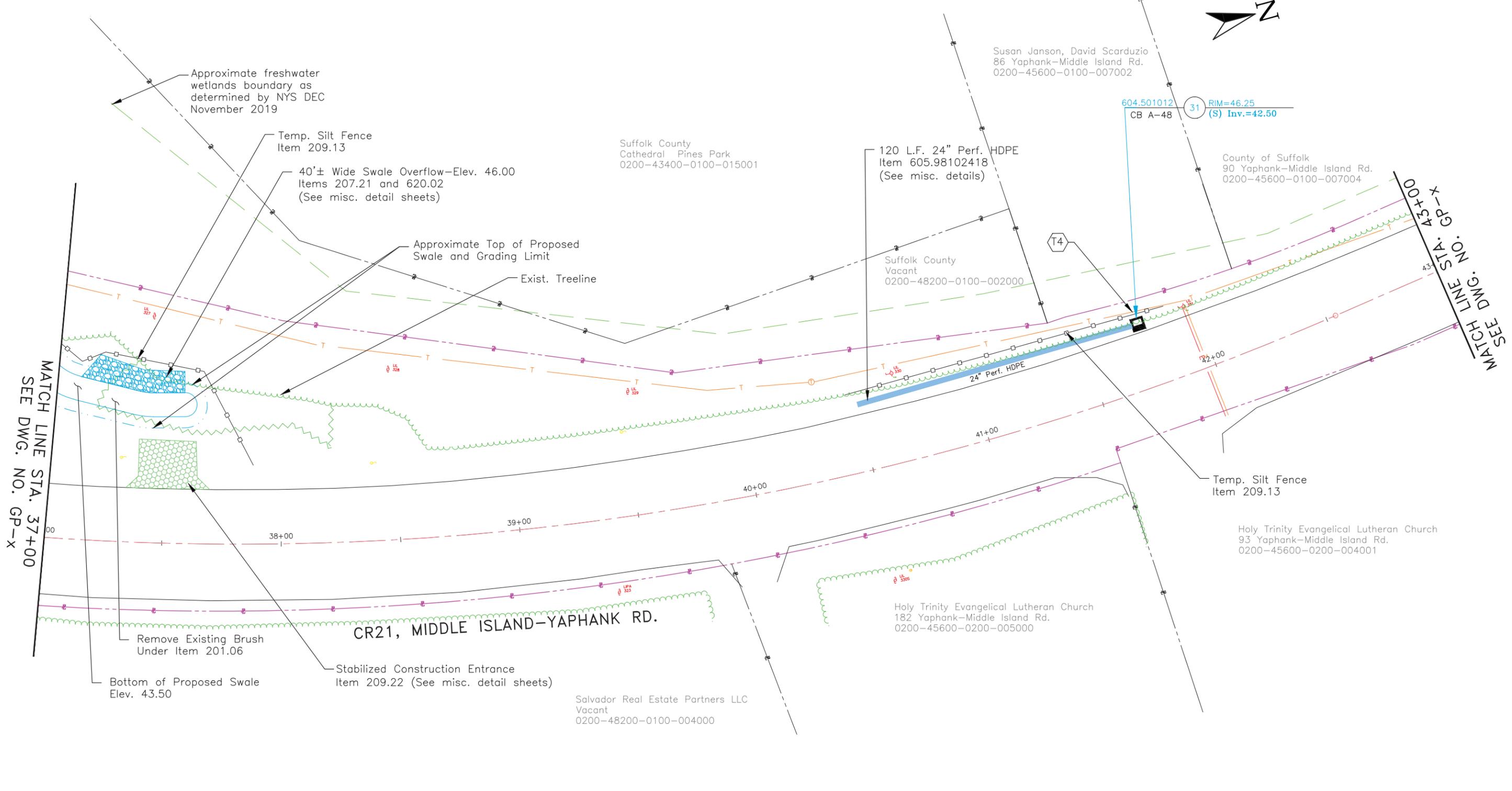


H:\HIGHWAYS\NEWCR\021\CR 021 at Longwood Road\GP.dwg, GP-5, 8/24/2020 1:43:31 PM, ffrabricante

DRAWN BY: FF

CHECKED BY: AG

DESIGNED BY: AG



AFFIX SEAL: ON:	ALTERED BY: ON:
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Preliminary Plan



COUNTY OF SUFFOLK
DEPARTMENT OF PUBLIC WORKS
YAPHANK, NEW YORK

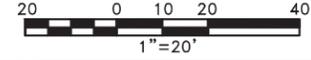
JOSEPH T. BROWN, P.E., COMMISSIONER

SYMBOL	REVISIONS	APPROVED	DATE

IMPROVEMENTS TO C.R. 21, MIDDLE ISLAND-YAPHANK ROAD IN THE VICINITY OF LONGWOOD ROAD

GENERAL PLAN
STA. 37+00 TO STA. 43+00

SCALE: 1"=20'	
DATE PREPARED	MAY 2020
PROJECT NO.	5138
DRAWING NO.	GP-6
SHEET NO.	x OF xx



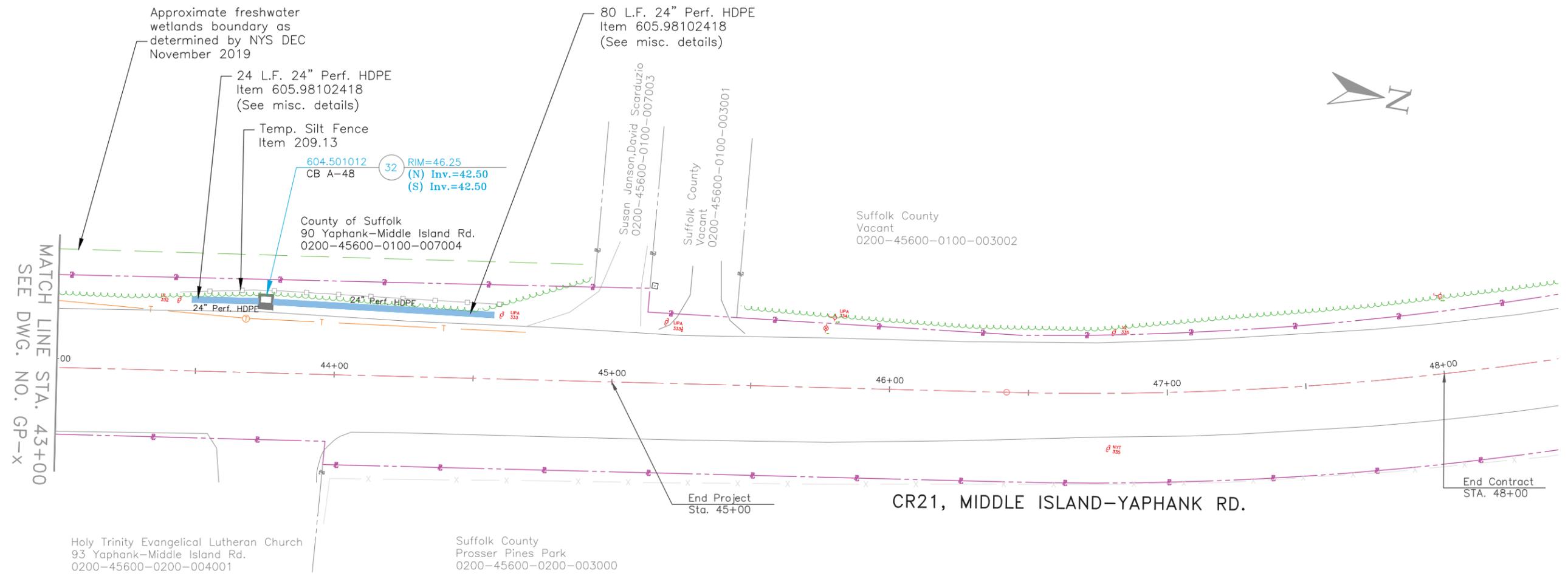
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DRAWN BY: FF

CHECKED BY: AG

DESIGNED BY: AG

H:\HIGHWAYS NEW\CR 21\CR 21 at Longwood Rd.GP.dwg, GP-7, 8/24/2020 1:16:51 PM, ffrabricante



MATCH LINE STA. 43+00
SEE DWG. NO. GP-X

End Contract STA. 48+00

End Project Sta. 45+00

CR21, MIDDLE ISLAND-YAPHANK RD.

Holy Trinity Evangelical Lutheran Church
93 Yaphank-Middle Island Rd.
0200-45600-0200-004001

Suffolk County
Prosser Pines Park
0200-45600-0200-003000

Approximate freshwater wetlands boundary as determined by NYS DEC November 2019

24 L.F. 24" Perf. HDPE
Item 605.98102418
(See misc. details)

Temp. Silt Fence
Item 209.13

604.501012 CB A-48
RIM=46.25
(N) Inv.=42.50
(S) Inv.=42.50

County of Suffolk
90 Yaphank-Middle Island Rd.
0200-45600-0100-007004

80 L.F. 24" Perf. HDPE
Item 605.98102418
(See misc. details)

Susan Janson David Scarduzio
0200-45600-0100-007003

Suffolk County
Vacant
0200-45600-0100-003001

Suffolk County
Vacant
0200-45600-0100-003002

AFFIX SEAL: ON:	ALTERED BY: ON:

Preliminary Plan



COUNTY OF SUFFOLK
DEPARTMENT OF PUBLIC WORKS
YAPHANK, NEW YORK

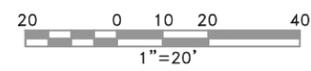
JOSEPH T. BROWN, P.E., COMMISSIONER

SYMBOL	REVISIONS	APPROVED	DATE

IMPROVEMENTS TO C.R. 21, MIDDLE ISLAND-YAPHANK ROAD IN THE VICINITY OF LONGWOOD ROAD

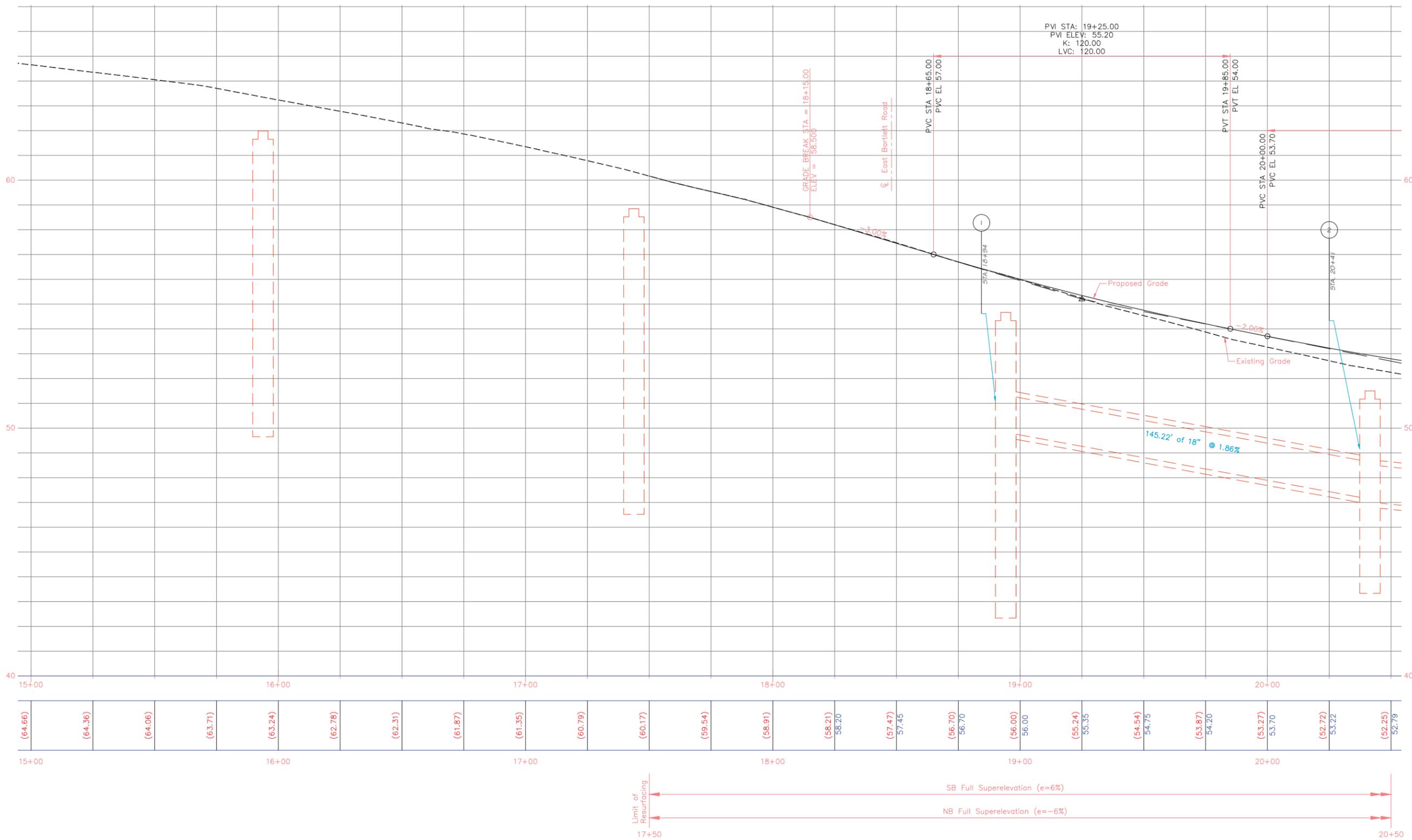
GENERAL PLAN
STA. 43+00 TO STA. 48+00

SCALE: 1"=20'	
DATE PREPARED	MAY 2020
PROJECT NO.	5138
DRAWING NO.	GP-7
SHEET NO.	x OF xx

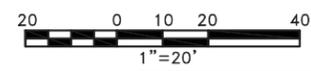


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DRAWN BY: FF
CHECKED BY: AG
DESIGNED BY: AG



CR 21 Profile
Sta. 15+00 to Sta. 20+50
Scale H: 1"=20'
V: 1"=2'



AFFIX SEAL: ON:	ALTERED BY: ON:	Preliminary Plan
		 <p>COUNTY OF SUFFOLK DEPARTMENT OF PUBLIC WORKS YAPHANK, NEW YORK</p> <p>JOSEPH T. BROWN, P.E., COMMISSIONER</p>

SYMBOL	APPROVED	DATE
REVISIONS		

IMPROVEMENTS TO C.R. 21, MIDDLE ISLAND-YAPHANK ROAD IN THE VICINITY OF LONGWOOD ROAD

PROFILE
STA. 15+00 TO STA. 20+50

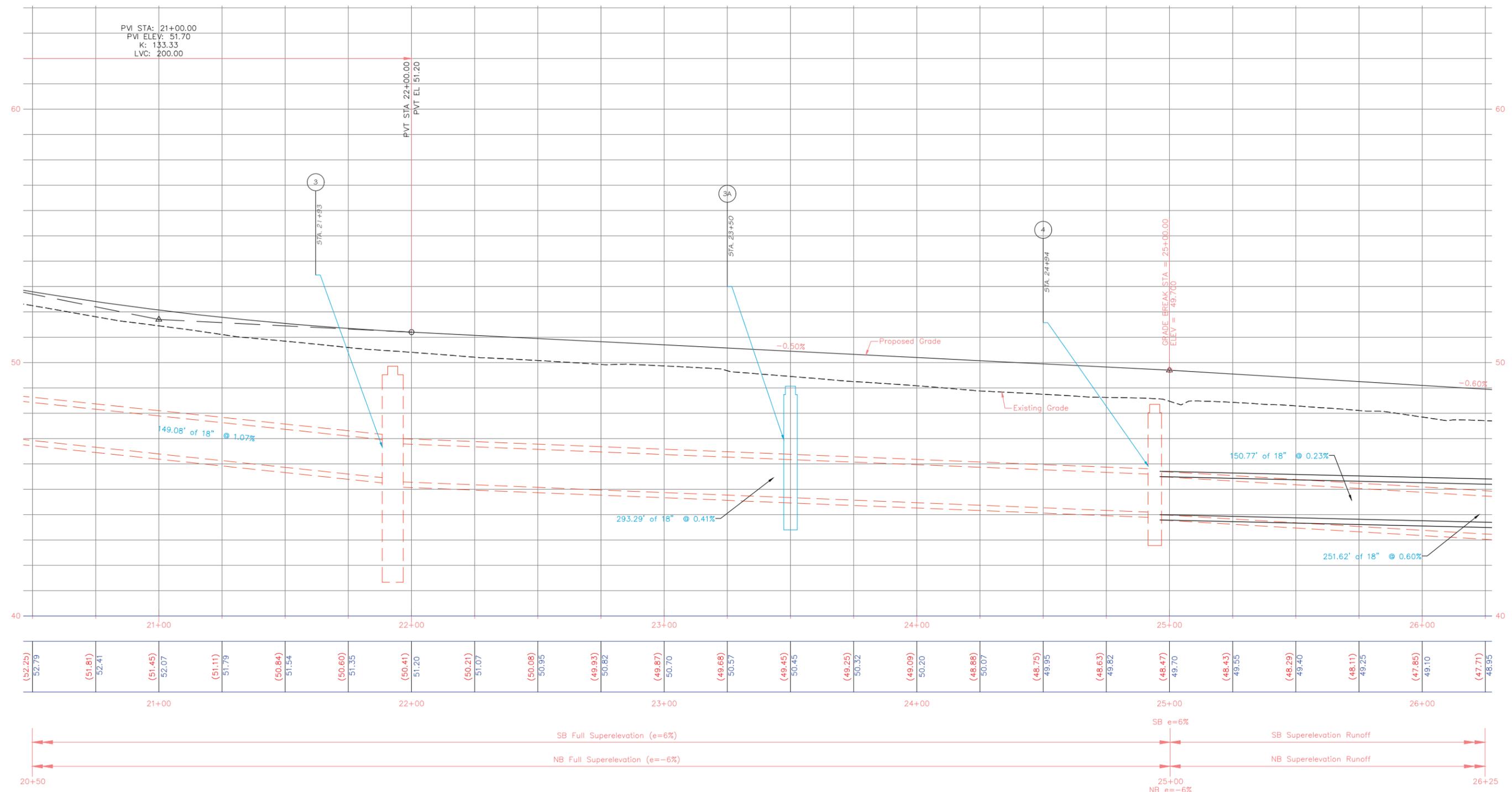
SCALE: 1"=20'	
DATE PREPARED	MAY 2020
PROJECT NO.	5138
DRAWING NO.	PR-1
SHEET NO.	2 OF xx

IT IS A VIOLATION OF LAW FOR ANY PERSON UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED. THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

DRAWN BY: FF

CHECKED BY: AG

DESIGNED BY: AG



Preliminary Plan



COUNTY OF SUFFOLK
DEPARTMENT OF PUBLIC WORKS
YAPHANK, NEW YORK

JOSEPH T. BROWN, P.E., COMMISSIONER

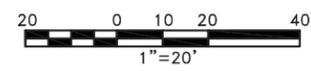
SYMBOL REVISIONS

APPROVED DATE

IMPROVEMENTS TO C.R. 21, MIDDLE
ISLAND-YAPHANK ROAD IN THE
VICINITY OF LONGWOOD ROAD

PROFILE
STA. 20+50 TO STA. 26+25

SCALE: 1"=20'	
DATE PREPARED	MAY 2020
PROJECT NO.	5138
DRAWING NO.	PR-2
SHEET NO.	2 OF XX

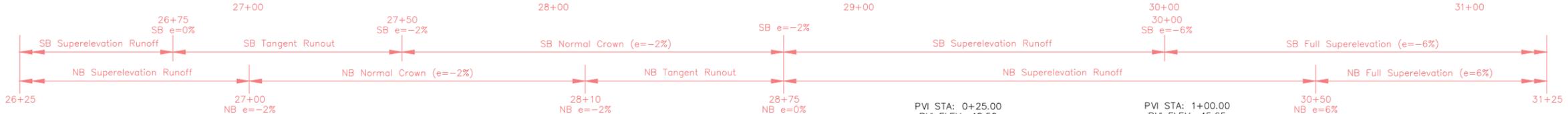
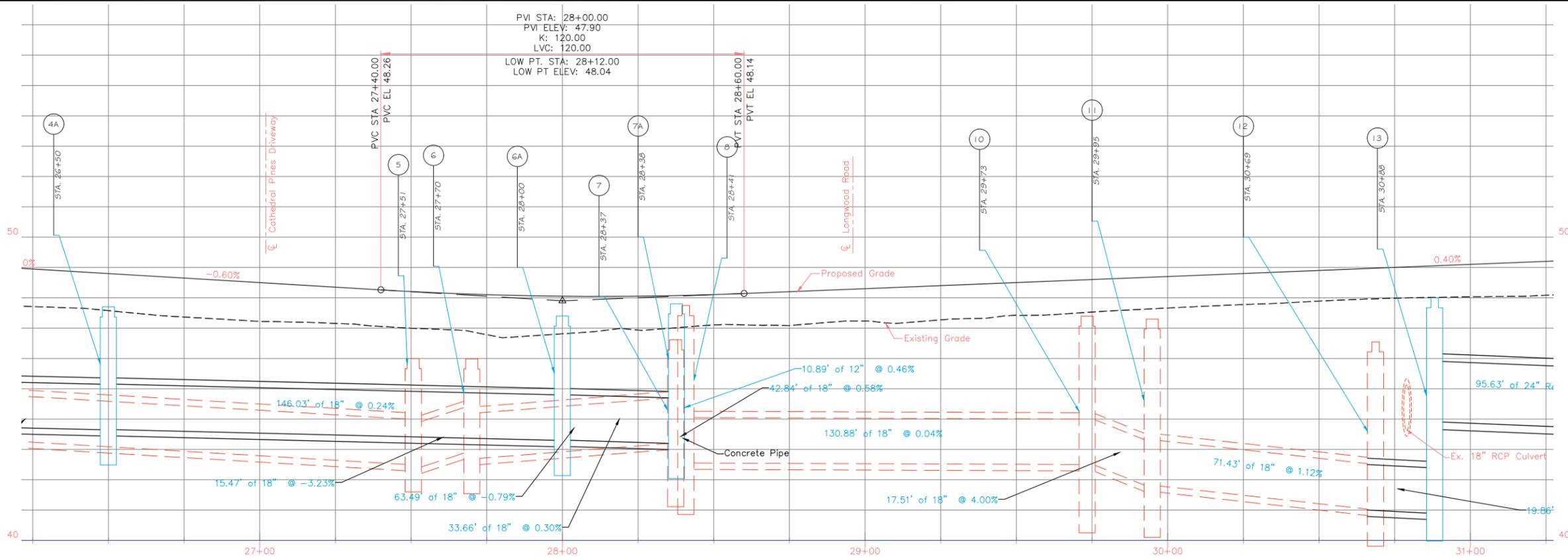


IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

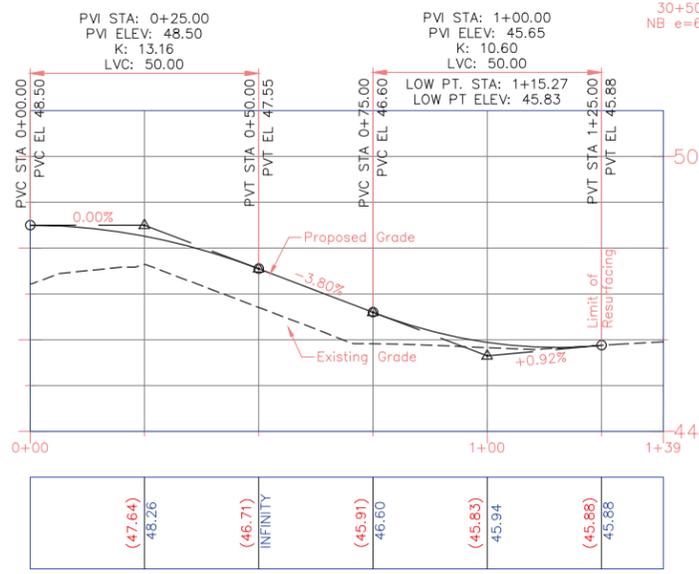
DRAWN BY: FF

CHECKED BY: AG

DESIGNED BY: AG



CR 21 Profile
Sta. 26+25 to Sta. 31+25
Scale H: 1"=20' V: 1"=2'



Cathedral Pines Driveway Profile
Scale H: 1"=20' V: 1"=2'

For Longwood Road Profile
See Drawing No. PR-5

Preliminary Plan



COUNTY OF SUFFOLK
DEPARTMENT OF PUBLIC WORKS
YAPHANK, NEW YORK

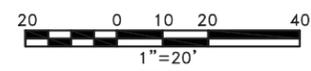
JOSEPH T. BROWN, P.E., COMMISSIONER

SYMBOL REVISIONS

APPROVED DATE

IMPROVEMENTS TO C.R. 21, MIDDLE ISLAND-YAPHANK ROAD IN THE VICINITY OF LONGWOOD ROAD

PROFILE
STA. 26+25 TO STA. 31+25



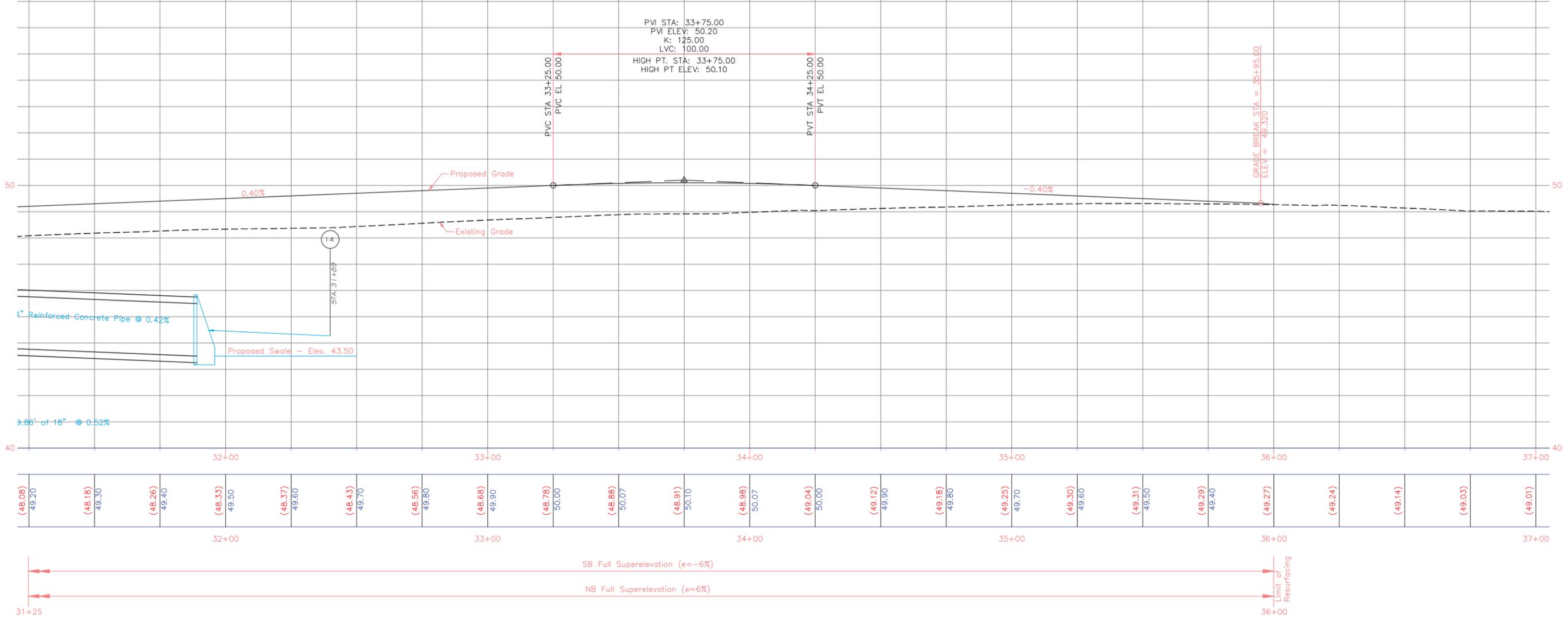
SCALE: 1"=20'	
DATE PREPARED	MAY 2020
PROJECT NO.	5138
DRAWING NO.	PR-3
SHEET NO.	2 OF xx

IT IS A VIOLATION OF LAW FOR ANY PERSON UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION ALTERED BY FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

DRAWN BY: FF

CHECKED BY: AG

DESIGNED BY: AG



CR 21 Profile
 Sta. 31+25 to Sta. 37+00
 Scale H: 1"=20'
 V: 1"=2'

Preliminary Plan



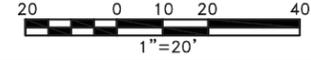
COUNTY OF SUFFOLK
 DEPARTMENT OF PUBLIC WORKS
 YAPHANK, NEW YORK

JOSEPH T. BROWN, P.E., COMMISSIONER

SYMBOL	APPROVED	DATE

IMPROVEMENTS TO C.R. 21, MIDDLE
 ISLAND-YAPHANK ROAD IN THE
 VICINITY OF LONGWOOD ROAD

PROFILE
 STA. 31+25 TO STA. 37+00



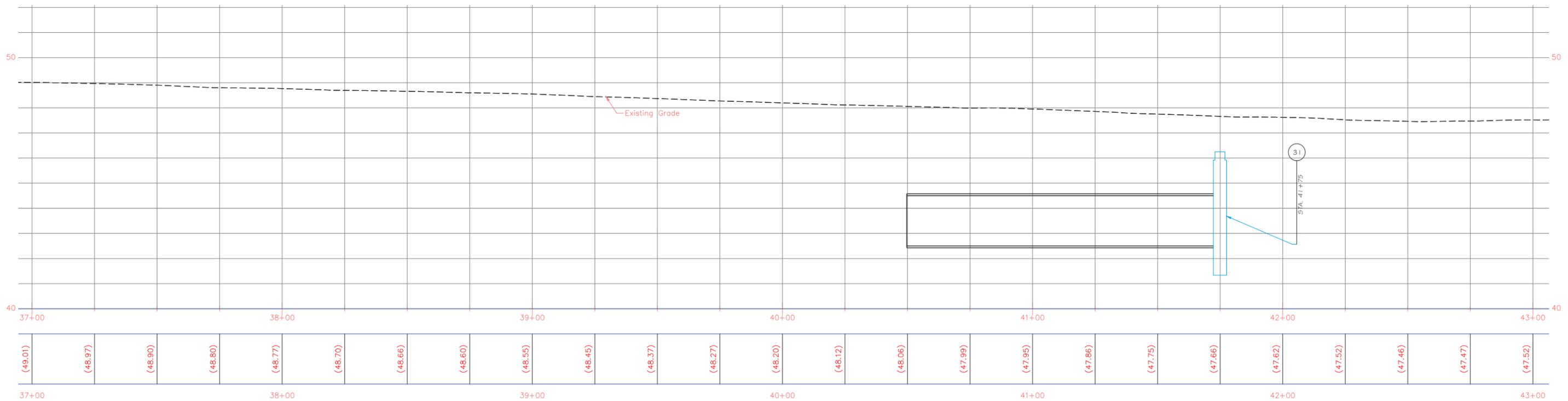
SCALE: 1"=20'	
DATE PREPARED	MAY 2020
PROJECT NO.	5138
DRAWING NO.	PR-4
SHEET NO.	2 OF xx

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

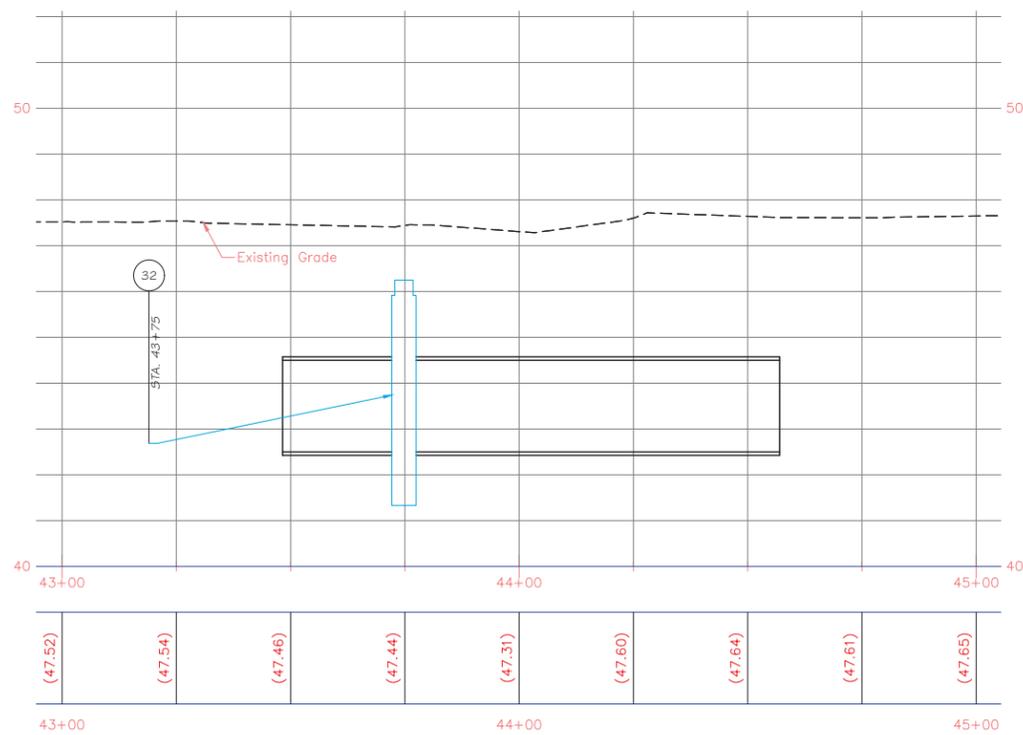
DRAWN BY: FF

CHECKED BY: AG

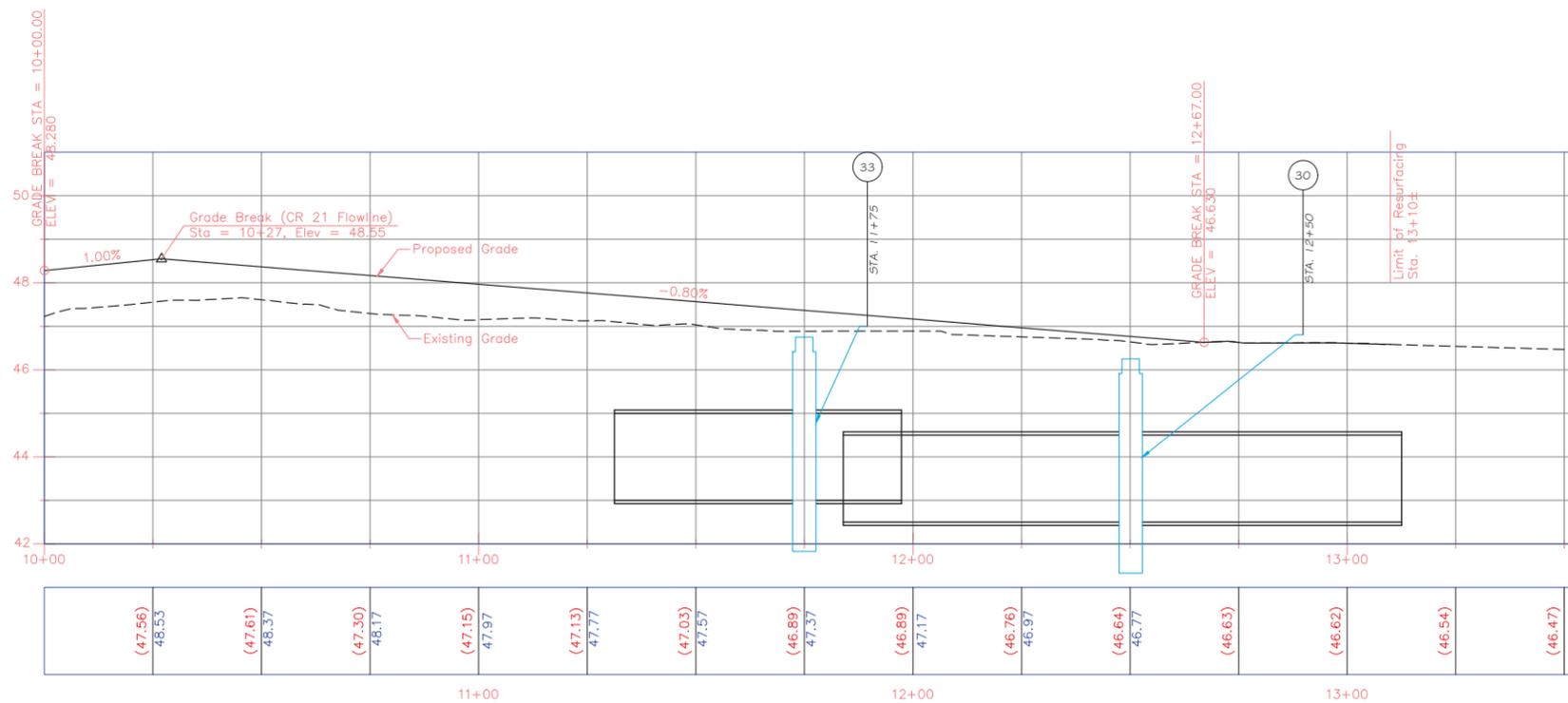
DESIGNED BY: AG



CR 21 Profile
 Sta. 37+00 to Sta. 43+00
 Scale H: 1"=20'
 V: 1"=2'



CR 21 Profile
 Sta. 43+00 to Sta. 45+00
 Scale H: 1"=20'
 V: 1"=2'



Longwood Road Profile
 Scale H: 1"=20'
 V: 1"=2'



Preliminary Plan



COUNTY OF SUFFOLK
 DEPARTMENT OF PUBLIC WORKS
 YAPHANK, NEW YORK

JOSEPH T. BROWN, P.E., COMMISSIONER

SYMBOL REVISIONS

APPROVED DATE

IMPROVEMENTS TO C.R. 21, MIDDLE
 ISLAND-YAPHANK ROAD IN THE
 VICINITY OF LONGWOOD ROAD

PROFILE
 STA. 37+00 TO STA. 45+00

SCALE: 1"=20'

DATE PREPARED	MAY 2020
PROJECT NO.	5138
DRAWING NO.	PR-5
SHEET NO.	2 OF xx

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY, IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION ALTERED BY FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

Environmental Resource Mapper



The coordinates of the point you clicked on are:

UTM 18 **Easting:** 673873.5589740346 **Northing:** 4525990.993352828

Longitude/Latitude **Longitude:** -72.93679782811318 **Latitude:** 40.86655084525425

The approximate address of the point you clicked on is:

Cathedral Pines County Park

County: Suffolk

Town: Brookhaven

USGS Quad: BELLPORT

DEC Region

Region 1:

(Long Island) Nassau and Suffolk counties. For more information visit <http://www.dec.ny.gov/about/603.html>.

Old or Potential Records (Not displayed on the map)

Common Name: Silvery Aster

Scientific Name: *Symphotrichum concolor* var. *concolor*

Date Last Documented: 1911-09-28

Location: Yaphank

NYS Protected: Endangered

Common Name: Weak Rush

Scientific Name: *Juncus debilis*

Date Last Documented: 1936-06-30

Location: Artist Lake

NYS Protected: Endangered

Common Name: Three-ribbed Spikerush

Scientific Name: Eleocharis tricostata

Date Last Documented: 1921-09-19

Location: Artist Lake

NYS Protected: Endangered

Common Name: Silvery Aster

Scientific Name: Symphyotrichum concolor var. concolor

Date Last Documented: 1933-10-08

Location: Middle Island

NYS Protected: Endangered

Common Name: American Ipecac

Scientific Name: Euphorbia ipecacuanhae

Date Last Documented: 1923-08-15

Location: Middle Island

NYS Protected: Endangered

Common Name: Three-ribbed Spikerush

Scientific Name: Eleocharis tricostata

Date Last Documented: 1921-09-19

Location: Middle Island

NYS Protected: Endangered

Common Name: Slender Pinweed

Scientific Name: Lechea tenuifolia

Date Last Documented: 1923-08-14

Location: Middle Island

NYS Protected: Threatened

State Regulated Freshwater Wetlands

ID: B-2

Class: 1

Size (Acres): 1065.3

Freshwater Wetlands Checkzone

This location is in the vicinity of one or more Regulated Freshwater Wetlands.

Rare Plants and Rare Animals

This location is in the vicinity of Rare Plants Listed as Endangered, Threatened, or Rare by NYS

This location is in the vicinity of Rare Moths – Not Listed by NYS

This location is in the vicinity of Eastern Pirate Perch – Not Listed by NYS

If your project or action is within or near an area with a rare animal, a permit may be required if the species is listed as endangered or threatened and the department determines the action may be harmful to the species or its habitat.

If your project or action is within or near an area with rare plants and/or significant natural communities, the environmental impacts may need to be addressed.

The presence of a unique geological feature or landform near a project, unto itself, does not trigger a requirement for a NYS DEC permit. Readers are advised, however, that there is the chance that a unique feature may also show in another data layer (ie. a wetland) and thus be subject to permit jurisdiction.

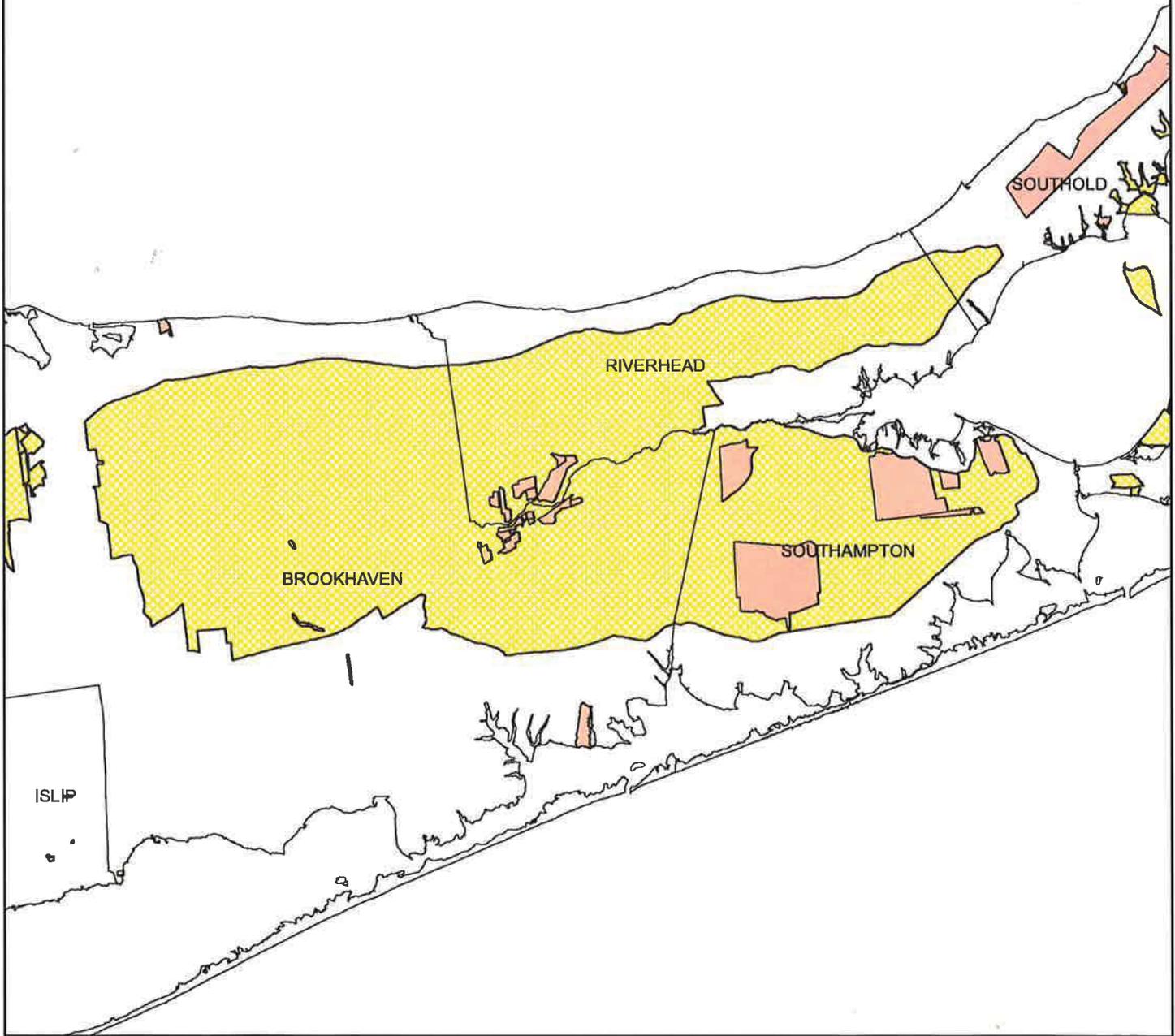
Please refer to the "Need a Permit?" tab for permit information or other authorizations regarding these natural resources.

Disclaimer: If you are considering a project or action in, or near, a wetland or a stream, a NYS DEC permit may be required. The Environmental Resources Mapper does not show all natural resources which are regulated by NYS DEC, and for which permits from NYS DEC are required. For example, Regulated Tidal Wetlands, and Wild, Scenic, and Recreational Rivers, are currently not included on the maps.

Special Groundwater Protection Area (Central Suffolk) Critical Environmental Area (CEA) Map #2

Effective Date of Designation: 2-10-88

Designating Agency: Suffolk County



Legend

 Adjacent CEAs

 Special Groundwater Protection Area CEA Map # 2



1 inch equals 4.5 miles

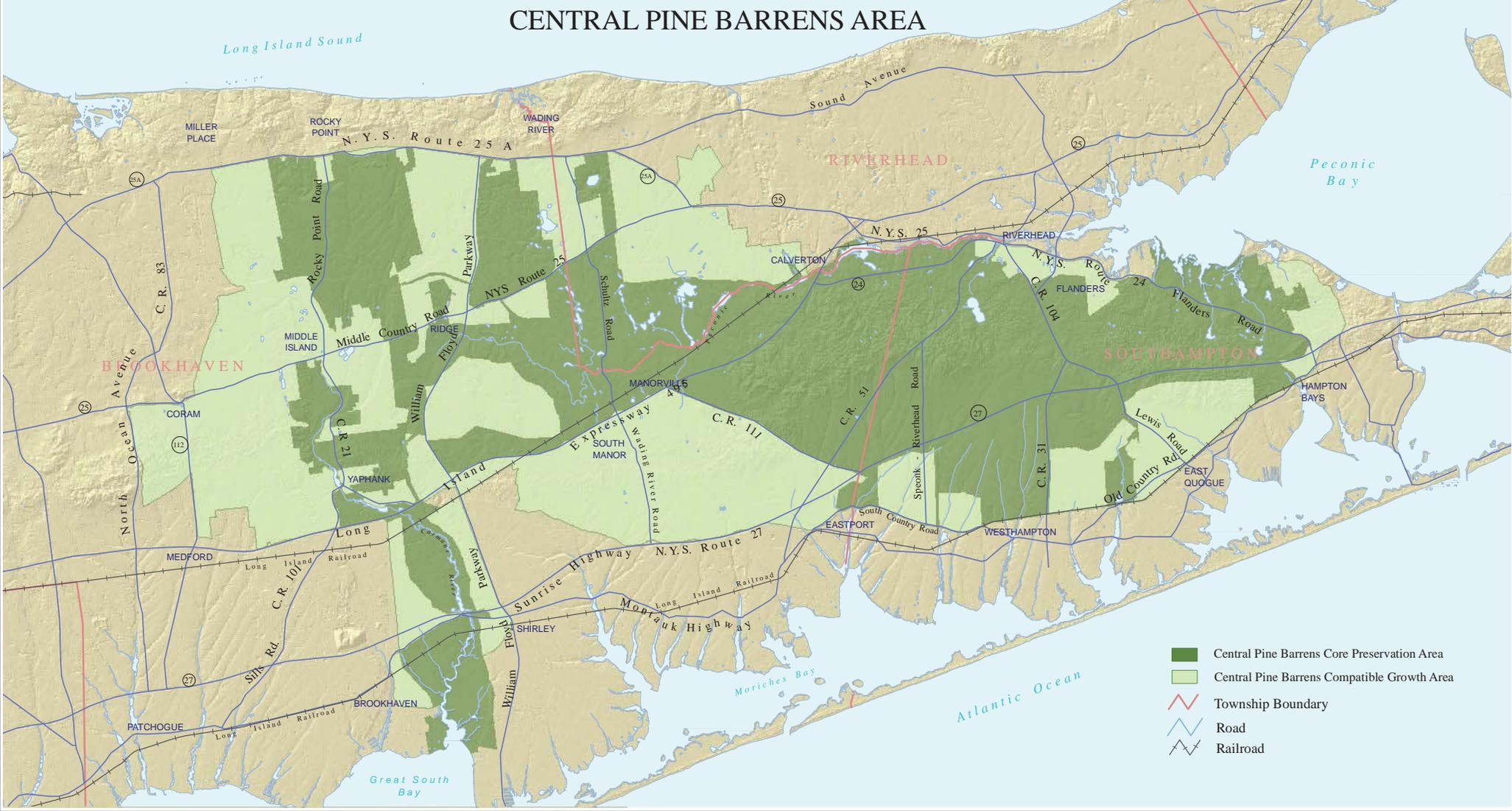
Base Map: Town or City Boundary for NYS

Disclaimer: This map was prepared by the New York State Department of Environmental Conservation using the most current data available. It is deemed accurate but is not guaranteed. NYS DEC is not responsible for any inaccuracies in the data. Please contact the designating authority for additional information regarding legal boundary descriptions. SGPA Maps 1 through 9 represent a portion of the SGPA designated as a Critical Environmental Area.

For Adjacent CEAs see Maps: SGPA Map # 3, Robins Island, Scallop Pond, Dwarf Pine Forest, Sears Bellow, Pine Barrens, Maple Swamp, Terrels River, South Setauket Woods, Richmond Creek and Beach, Cutchogue Harbor, Downs Creek, West Creek, Brush Creek, Little Creek, Goldsmith Inlet, Shinnecock Fort, Sugar Loaf Hill, Halls Creek, and Deep Hole Creek



CENTRAL PINE BARRENS AREA



- Central Pine Barrens Core Preservation Area
- Central Pine Barrens Compatible Growth Area
- Township Boundary
- Road
- Railroad

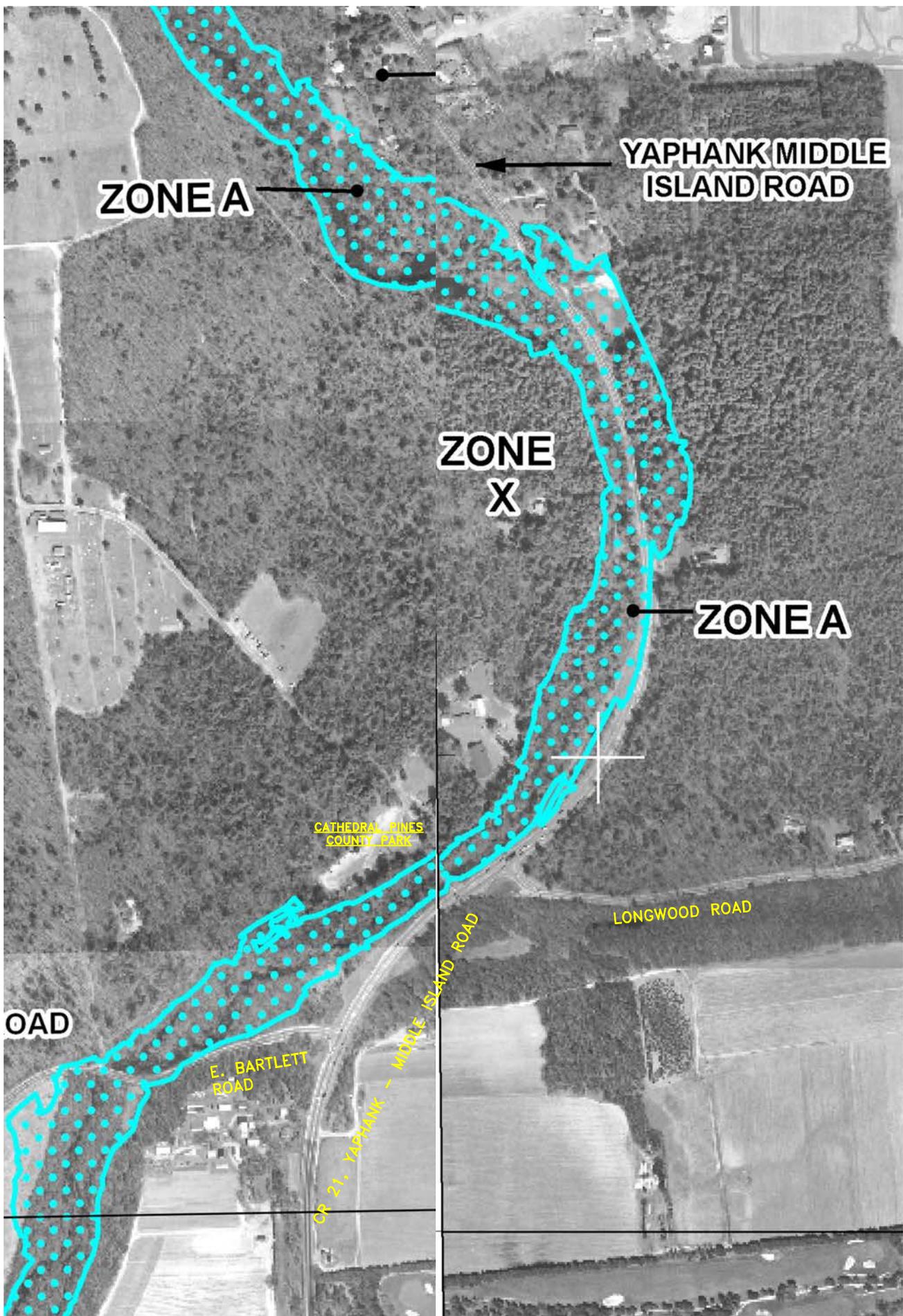


Note: This map is intended for general reference only and is not to be used for surveying, legal interpretation of jurisdictional boundaries, or other precise purposes. Information shown on this map may contain defects, errors, and/or omissions. Refer to NYS ECL Article 57-0107 (10), (11), and (12) for the official description of the Central Pine Barrens boundaries. Prepared by Commission Staff (ac), January 25, 2016.

CENTRAL PINE BARRENS JOINT PLANNING AND POLICY COMMISSION

- Carrie Meek Gallagher, Chairwoman
- Steven Bellone, Member
- Edward P. Romaine, Member
- Jay H. Schneiderman, Member
- Sean M. Walter, Member





ATTACHMENT - 7
FEMA FLOOD INSURANCE RATE MAP

SCALE: 1"=500'



Wild, Scenic and Recreational Rivers

Wild Rivers

1. Cedar River: (a) Approximately seven miles from the southwest boundary of lot 82, Township 17, Totten and Crossfield's Purchase to the Hamilton County line; and
(b) Approximately seven and three-tenths miles from the outlet of Cedar Lakes to a point where a road crosses the river approximately one and one-half miles upstream of Cedar River flow.
2. Cold River: Approximately fourteen miles from the Duck Hole to the confluence with the Raquette River and the entire three-mile length of Ouluska Pass Brook.
3. Hudson River: Approximately ten and one-half miles from the confluence of the Cedar River to the confluence with the Boreas River.
4. Indian River: Approximately thirteen miles from Brook Trout lake to the confluence with the South Branch of the Moose River.
5. Kunjamuk River: Approximately eight miles from the outlet of South Pond to a fish barrier dam near the southwest boundary of Lot 9, Township 31, Gorton Tract.
6. Opalescent River: Approximately eleven miles from Flowed Lands to the confluence with the Hudson River.
7. Oswegatchie River, Main Branch: Approximately eighteen and one-half miles from the Partlow Mill Dam to the southernmost boundary between private and state land at Inlet.
8. Oswegatchie River, Middle Branch: Approximately fourteen and one-half miles from the north boundary of Lot 27, Watson's East Triangle to a point one mile downstream of the confluence with Wolf Creek.
9. Piseco Outlet: Approximately four and one fifth miles from a point one-half mile east of the Route 10 bridge crossing to the confluence with the West Branch of the Sacandaga River.
10. Sacandaga River, East Branch: Approximately eleven and one-half miles from Botheration Pond to a point one-half mile above the confluence with Cook Brook.
11. Sacandaga River, West Branch: (a) Approximately seven miles from the confluence of the Piseco Lake outlet to the confluence with Dugway Creek;
(b) Approximately nine miles from the source near Silver Lake Mountain to the Silver Lake wilderness boundary near Route 10; and
(c) Approximately two and seven-tenths miles from the confluence with Cow Creek to the confluence with Piseco outlet.
12. West Canada Creek: Approximately eight miles from Mud Lake to the Old Mitchell dam site.
13. West Canada Creek, South Branch: Approximately five and nine-tenths miles from the headwaters near T-Lake Falls to a footbridge crossing located approximately one mile upstream of the Floe.

Scenic Rivers

1. Ampersand Brook: Approximately eight miles from Ampersand Pond to the confluence with the Raquette River.
2. Ausable River: Approximately nine miles from Marcy swamp to St. Hubert's.

3. Black River: Approximately seven and eight-tenths miles from the point where Farr Road crosses the river to the point where the river intersects the Adirondack Park boundary.
4. Blue Mountain Stream: Approximately nine miles from the outlet of Clear Pond to the confluence with Pleasant Lake stream.
5. Bog River: Approximately seven and three-tenths miles from the dam below Hitchens Pond to Big Tupper Lake.
6. Boreas River: Approximately eleven and one-half miles from Cheney Pond to the confluence with the Hudson River.
7. Bouquet River: (a) Approximately six miles of the North Fork from the headwaters on Dial Mountain to the bridge on Route 73; and
(b) Approximately five and one-half miles of the South Fork from the headwaters to the bridge on Route 73.
8. Carmens River: (a) Approximately two and one-quarter miles from its headwaters at the north boundary of Cathedral Pines Park (formerly Camp Wilderness), Suffolk County, southerly to its intersection with the southern boundary of Camp Sobaco (Girl Scout Camp);
(b) Approximately two and one-half miles from Yaphank Avenue, Suffolk County, southerly to the Concrete Wing Dam in Southaven Park; and
(c) Approximately two and one-half miles from the south side of Sunrise Highway, Suffolk County, southerly to the mouth of the river (a line between Long Point and Sandy Point) at its confluence with Great South Bay.
9. Cedar River: (a) Approximately five miles from the Hamilton County line to the confluence with the Hudson River; and
(b) Approximately ten miles from a point where a road crosses the river one and one-half miles pstream of Cedar River flow to a point where a southerly extension of the northeast state land boundary of Lot 96, Township 33, Totten and Crossfield's Purchase, would intersect the river.
10. Deer River: Approximately six and two-tenths miles from the outlet of Deer River flow to a point where the river intersects the Adirondack Park boundary.
11. East Canada Creek: Approximately twenty and nine-tenths miles from Powley Place to a point at which the creek intersects the Adirondack Park boundary near Sprite Creek at the southwest corner of Lot 45, Town of Oppenheim, Lott and Low's Patent.
12. Genesee River: Within Letchworth State Park.
13. Grasse River, Middle Branch: Approximately fourteen and one-half miles from the confluence of Blue Mountain stream and Pleasant Lake stream to the confluence of the South Branch of the Grasse River.
14. Grasse River, North Branch: Approximately twentyfive and four-tenths miles from the outlet of Church Pond to a point where the North Branch intersects the Adirondack Park boundary.
15. Grasse River, South Branch: (a) Approximately thirtyfive and two-tenths miles from the outlet of Center Pond to the confluence with the outlet of Allen Pond; and
(b) Approximately three and seven-tenths miles from the most southerly point where the South Branch of the Grasse River intersects the Adirondack Park boundary, north to the confluence with the Middle Branch of the Grasse River.
16. Hudson River: (a) Approximately nine miles from the hamlet of Newcomb to the confluence with the Cedar River; and
(b) Approximately four miles from the confluence with the Boreas River to a point one mile north of the hamlet of North River.



United States
Department of
Agriculture

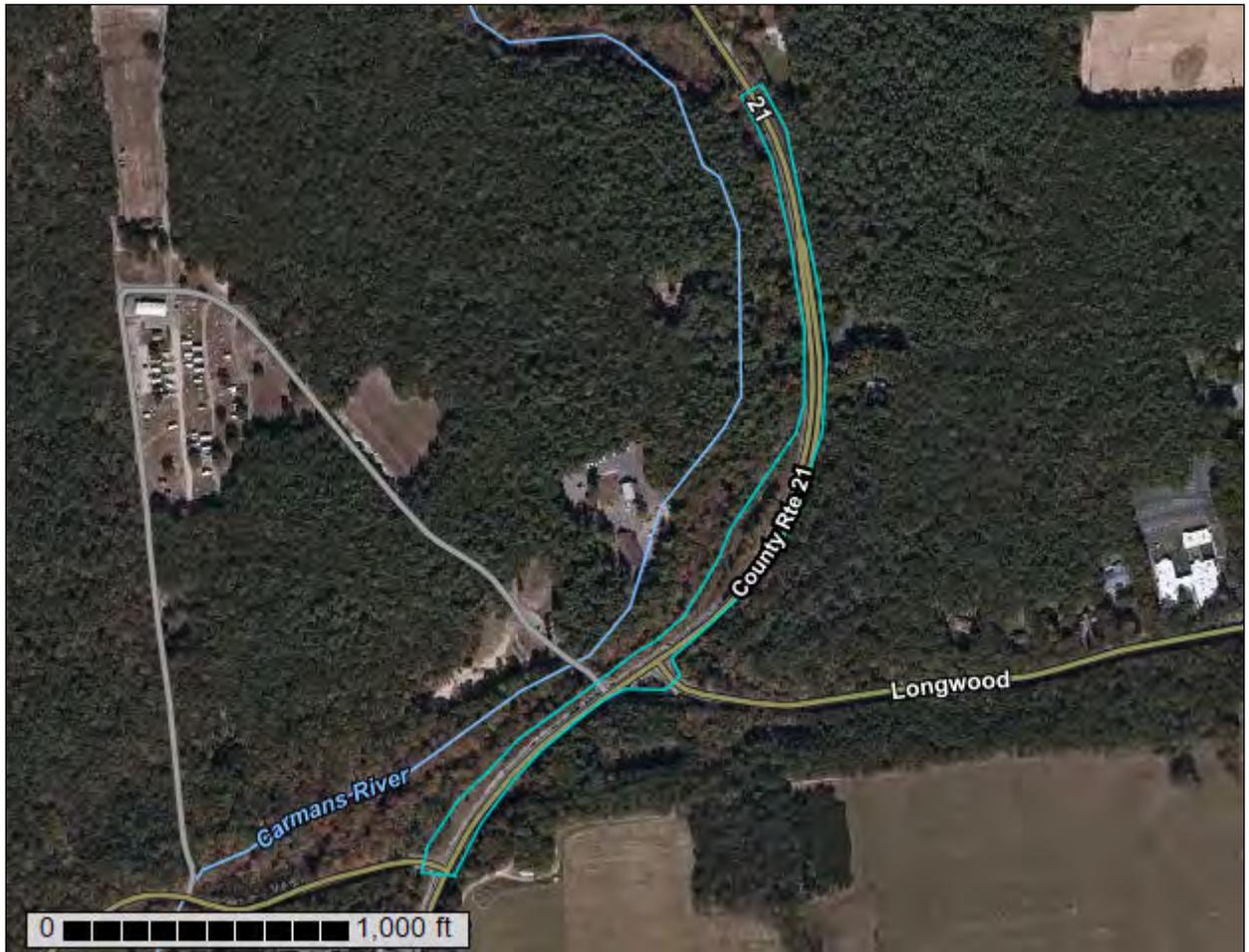
NRCS

Natural
Resources
Conservation
Service

A product of the National
Cooperative Soil Survey,
a joint effort of the United
States Department of
Agriculture and other
Federal agencies, State
agencies including the
Agricultural Experiment
Stations, and local
participants

Custom Soil Resource Report for Suffolk County, New York

CR 21 at Longwood Road

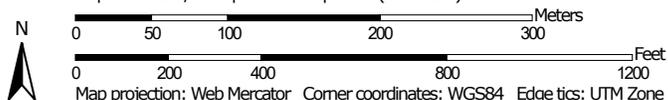


Custom Soil Resource Report Soil Map



Soil Map may not be valid at this scale.

Map Scale: 1:4,940 if printed on A portrait (8.5" x 11") sheet.



Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 18N WGS84

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
At	Atsion sand	3.1	42.3%
CpC	Carver and Plymouth sands, 3 to 15 percent slopes	3.1	41.6%
CpE	Carver and Plymouth sands, 15 to 35 percent slopes	1.2	16.1%
Totals for Area of Interest		7.4	100.0%

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The



LOOKING NORTHEAST ON NORTHBOUND SIDE OF CR 21
AT EXISTING LOW POINT SOUTH OF LONGWOOD ROAD



FLOODING ON SOUTHBOUND SIDE OF CR 21 NORTH OF
LONGWOOD ROAD LOOKING SOUTH



FLOODING ON WESTBOUND SIDE OF LONGWOOD ROAD EAST OF CR 21
LOOKING WEST



EXISTING CLOGGED DRAINAGE DITCH EAST OF CR 21
LOOKING SOUTHEAST FROM UPSTREAM END SECTION



DISCHARGE FROM EXISTING BUBBLER BASIN ON WESTERLY SIDE OF CR 21
LOOKING NORTHWEST



FLOW FROM EXISTING BUBBLER BASIN ON WESTERLY SIDE OF CR 21 TO CARMANS RIVER
LOOKING NORTHWEST



EXISTING SWALE AREA ON WESTERLY SIDE OF CR 21 LOOKING NORTHEAST



EXISTING SWALE AREA ON WESTERLY SIDE OF CR 21 LOOKING SOUTHWEST

CR 21 Looking North at Cathedral Pines

Write a description for your map.

Legend



Google Earth

© 2020 Google

7.58 ft

Cathedral Pines Driveway Looking Northwest

Write a description for your map.

Legend



Google Earth

© 2020 Google



5.51 ft

CR 21 Looking Northeast at Longwood Road

Write a description for your map.

Legend



Google Earth

© 2020 Google



5.75 ft

CR 21 Looking North from Bubbler Basin

Write a description for your map.

Legend



Google Earth

© 2020 Google

9.21 ft

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Fish and Wildlife, New York Natural Heritage Program
625 Broadway, Fifth Floor, Albany, NY 12233-4757
P: (518) 402-8935 | F: (518) 402-8925
www.dec.ny.gov

July 7, 2020

Alex Gimpelman
Suffolk County Department of Public Works
335 Yaphank Avenue
Yaphank, NY 11980

Re: Improvements to CR 21 in the Vicinity of Longwood Road
County: Suffolk Town/City: Brookhaven

Dear Alex Gimpelman:

In response to your recent request, we have reviewed the New York Natural Heritage Program database with respect to the above project.

Enclosed is a report of rare or state-listed animals and plants, and significant natural communities that our database indicates occur in the vicinity of the project site.

For most sites, comprehensive field surveys have not been conducted; the enclosed report only includes records from our database. We cannot provide a definitive statement as to the presence or absence of all rare or state-listed species or significant natural communities. Depending on the nature of the project and the conditions at the project site, further information from on-site surveys or other sources may be required to fully assess impacts on biological resources.

The presence of the plants and animals identified in the enclosed report may result in this project requiring additional review or permit conditions. For further guidance, and for information regarding other permits that may be required under state law for regulated areas or activities (e.g., regulated wetlands), please contact the NYS DEC Region 1 Office, Division of Environmental Permits, at dep.r1@dec.ny.gov.

Sincerely,



Heidi Kraehling
Environmental Review Specialist
New York Natural Heritage Program



The following state-listed animal has been documented in the vicinity of the project site.

The following list includes animals that are listed by NYS as Endangered, Threatened, or Special Concern; and/or that are federally listed or are candidates for federal listing.

For information about any permit considerations for the project, please contact the Permits staff at the NYSDEC Region 1 Office at dep.r1@dec.ny.gov, 631-444-0365.

The following species has been documented within 1.5 miles of the project site. Individual animals may travel 1.5 miles from documented locations. An impact of concern is the cutting or removal of potential roost trees.

<i>COMMON NAME</i>	<i>SCIENTIFIC NAME</i>	<i>NY STATE LISTING</i>	<i>FEDERAL LISTING</i>	
Mammals				
Northern Long-eared Bat <i>Non-winter location</i>	<i>Myotis septentrionalis</i>	Threatened	Threatened	14540

This report only includes records from the NY Natural Heritage database.

If any rare plants or animals are documented during site visits, we request that information on the observations be provided to the New York Natural Heritage Program so that we may update our database.

Information about many of the listed animals in New York, including habitat, biology, identification, conservation, and management, are available online in Natural Heritage’s Conservation Guides at www.guides.nynhp.org, and from NYSDEC at www.dec.ny.gov/animals/7494.html.



The following rare plants and rare animals have been documented in the vicinity of the project site.

We recommend that potential impacts of the proposed project on these species be addressed as part of any environmental assessment or review conducted as part of the planning, permitting and approval process, such as reviews conducted under SEQR. Field surveys of the project site may be necessary to determine the status of a species at the site, particularly for sites that are currently undeveloped and may still contain suitable habitat. Final requirements of the project to avoid, minimize, or mitigate potential impacts are determined by the lead permitting agency or the government body approving the project.

The following animals, while not listed by New York State as Endangered or Threatened, are rare in New York and are of conservation concern.

COMMON NAME	SCIENTIFIC NAME	NY STATE LISTING	HERITAGE CONSERVATION STATUS
Fish			
Eastern Pirate Perch	<i>Aphredoderus sayanus sayanus</i>	Unlisted	Critically Imperiled in NYS
Documented in the Carman's River within 300 yards west of the project site.		2013-07-16.	15630
Moths			
Packard's Lichen Moth	<i>Cisthene packardii</i>	Unlisted	Status Uncertain
Documented within 0.5 mile west of the project site. 2013-08-27: The area where the moth was trapped is mixed woods with oak and pine species and a scrubby understory. This substrate is sandy with leaf litter.			14137

The following plant is listed as Threatened by New York State, and so is a vulnerable natural resource of conservation concern.

COMMON NAME	SCIENTIFIC NAME	NY STATE LISTING	HERITAGE CONSERVATION STATUS
Vascular Plants			
Veined Thoroughwort	<i>Eupatorium subvenosum</i>	Threatened	Imperiled in NYS
Documented at the southern end of the project site at East Bartlett and Middle Island Roads.		1985-08-06: This is a mowed pine barren roadside.	5931

This report only includes records from the NY Natural Heritage database. For most sites, comprehensive field surveys have not been conducted, and we cannot provide a definitive statement as to the presence or absence of all rare or state-listed species. Depending on the nature of the project and the conditions at the project site, further information from on-site surveys or other sources may be required to fully assess impacts on biological resources.

If any rare plants or animals are documented during site visits, we request that information on the observations be provided to the New York Natural Heritage Program so that we may update our database.

Information about many of the rare animals and plants in New York, including habitat, biology, identification, conservation, and management, are available online in Natural Heritage's Conservation Guides at www.guides.nynhp.org, from NatureServe Explorer at www.natureserve.org/explorer, and from USDA's Plants Database at <http://plants.usda.gov/index.html> (for plants).



**Parks, Recreation,
and Historic Preservation**

ANDREW M. CUOMO
Governor

ERIK KULLESEID
Commissioner

September 04, 2020

Alex Gimpelman
Civil Engineer
Suffolk County DPW
335 Yaphank Avenue
Yaphank, NY 11980

Re: SEQRA
Improvements to CR 21
Yaphank-Middle Island Road, Brookhaven Suffolk County, NY
20PR05308

Dear Alex Gimpelman:

Thank you for requesting the comments of the Office of Parks, Recreation and Historic Preservation (OPRHP). We have reviewed the project in accordance with the New York State Historic Preservation Act of 1980 (Section 14.09 of the New York Parks, Recreation and Historic Preservation Law). These comments are those of the OPRHP and relate only to Historic/Cultural resources. They do not include potential environmental impacts to New York State Parkland that may be involved in or near your project. Such impacts must be considered as part of the environmental review of the project pursuant to the State Environmental Quality Review Act (New York Environmental Conservation Law Article 8) and its implementing regulations (6 NYCRR Part 617).

Based upon this review, it is the opinion of OPRHP that no properties, including archaeological and/or historic resources, listed in or eligible for the New York State and National Registers of Historic Places will be impacted by this project.

If further correspondence is required regarding this project, please be sure to refer to the OPRHP Project Review (PR) number noted above.

Sincerely,

R. Daniel Mackay

Deputy Commissioner for Historic Preservation
Division for Historic Preservation