

SUFFOLK COUNTY WATER AUTHORITY

Town Line Road Ground Water Storage Reservoir

LONG ENVIRONMENTAL ASSESSMENT FORM

Parts I, II and III

Location:

SCWA Property
Suffolk County Tax Map Number 300-180-1-8.9
Hamlet of Wainscott, Town of East Hampton

Lead Agency:

Suffolk County Water Authority
P.O. Box 38
4060 Sunrise Highway
Oakdale, New York 11769

Contact Person:

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(631) 563-0202

December 2020

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Full Environmental Assessment Form
Part 1 - Project and Setting

Instructions for Completing Part 1

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

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

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

A. Project and Applicant/Sponsor Information.

Name of Action or Project:		
Project Location (describe, and attach a general location map):		
Brief Description of Proposed Action (include purpose or need):		
Name of Applicant/Sponsor:		Telephone:
		E-Mail:
Address:		
City/PO:	State:	Zip Code:
Project Contact (if not same as sponsor; give name and title/role):		Telephone:
		E-Mail:
Address:		
City/PO:	State:	Zip Code:
Property Owner (if not same as sponsor):		Telephone:
		E-Mail:
Address:		
City/PO:	State:	Zip Code:

B. Government Approvals

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

Government Entity	If Yes: Identify Agency and Approval(s) Required	Application Date (Actual or projected)
a. City Counsel, Town Board, or Village Board of Trustees <input type="checkbox"/> Yes <input type="checkbox"/> No		
b. City, Town or Village Planning Board or Commission <input type="checkbox"/> Yes <input type="checkbox"/> No		
c. City, Town or Village Zoning Board of Appeals <input type="checkbox"/> Yes <input type="checkbox"/> No		
d. Other local agencies <input type="checkbox"/> Yes <input type="checkbox"/> No		
e. County agencies <input type="checkbox"/> Yes <input type="checkbox"/> No		
f. Regional agencies <input type="checkbox"/> Yes <input type="checkbox"/> No		
g. State agencies <input type="checkbox"/> Yes <input type="checkbox"/> No		
h. Federal agencies <input type="checkbox"/> Yes <input type="checkbox"/> No		
i. Coastal Resources. <i>i.</i> Is the project site within a Coastal Area, or the waterfront area of a Designated Inland Waterway? <input type="checkbox"/> Yes <input type="checkbox"/> No <i>ii.</i> Is the project site located in a community with an approved Local Waterfront Revitalization Program? <input type="checkbox"/> Yes <input type="checkbox"/> No <i>iii.</i> Is the project site within a Coastal Erosion Hazard Area? <input type="checkbox"/> Yes <input type="checkbox"/> No		

C. Planning and Zoning

C.1. Planning and zoning actions.

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

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

C.2. Adopted land use plans.

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

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

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

If Yes, identify the plan(s):

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

If Yes, identify the plan(s):

C.3. Zoning

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

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

c. Is a zoning change requested as part of the proposed action? ☐ Yes ☐ No

If Yes,

i. What is the proposed new zoning for the site? _____

C.4. Existing community services.

a. In what school district is the project site located? _____

b. What police or other public protection forces serve the project site?

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

d. What parks serve the project site?

D. Project Details

D.1. Proposed and Potential Development

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

b. a. Total acreage of the site of the proposed action? _____ acres

b. Total acreage to be physically disturbed? _____ acres

c. Total acreage (project site and any contiguous properties) owned
or controlled by the applicant or project sponsor? _____ acres

c. Is the proposed action an expansion of an existing project or use? ☐ Yes ☐ No

i. If Yes, what is the approximate percentage of the proposed expansion and identify the units (e.g., acres, miles, housing units, square feet)? % _____ Units: _____

d. Is the proposed action a subdivision, or does it include a subdivision? ☐ Yes ☐ No

If Yes,

i. Purpose or type of subdivision? (e.g., residential, industrial, commercial; if mixed, specify types)

ii. Is a cluster/conservation layout proposed? ☐ Yes ☐ No

iii. Number of lots proposed? _____

iv. Minimum and maximum proposed lot sizes? Minimum _____ Maximum _____

e. Will the proposed action be constructed in multiple phases? ☐ Yes ☐ No

i. If No, anticipated period of construction: _____ months

ii. If Yes:

- Total number of phases anticipated _____
- Anticipated commencement date of phase 1 (including demolition) _____ month _____ year
- Anticipated completion date of final phase _____ month _____ year

• Generally describe connections or relationships among phases, including any contingencies where progress of one phase may determine timing or duration of future phases: _____

f. Does the project include new residential uses? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, show numbers of units proposed.				
	<u>One Family</u>	<u>Two Family</u>	<u>Three Family</u>	<u>Multiple Family (four or more)</u>
Initial Phase	_____	_____	_____	_____
At completion	_____	_____	_____	_____
of all phases	_____	_____	_____	_____

g. Does the proposed action include new non-residential construction (including expansions)? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes,	
i. Total number of structures _____ ii. Dimensions (in feet) of largest proposed structure: _____ height; _____ width; and _____ length iii. Approximate extent of building space to be heated or cooled: _____ square feet	

h. Does the proposed action include construction or other activities that will result in the impoundment of any liquids, such as creation of a water supply, reservoir, pond, lake, waste lagoon or other storage? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes,	
i. Purpose of the impoundment: _____ ii. If a water impoundment, the principal source of the water: <input type="checkbox"/> Ground water <input type="checkbox"/> Surface water streams <input type="checkbox"/> Other specify: _____ iii. If other than water, identify the type of impounded/contained liquids and their source. _____ iv. Approximate size of the proposed impoundment. Volume: _____ million gallons; surface area: _____ acres v. Dimensions of the proposed dam or impounding structure: _____ height; _____ length vi. Construction method/materials for the proposed dam or impounding structure (e.g., earth fill, rock, wood, concrete): _____	

D.2. Project Operations

a. Does the proposed action include any excavation, mining, or dredging, during construction, operations, or both? <input type="checkbox"/> Yes <input type="checkbox"/> No (Not including general site preparation, grading or installation of utilities or foundations where all excavated materials will remain onsite) If Yes:	
i. What is the purpose of the excavation or dredging? _____ ii. How much material (including rock, earth, sediments, etc.) is proposed to be removed from the site? • Volume (specify tons or cubic yards): _____ • Over what duration of time? _____ iii. Describe nature and characteristics of materials to be excavated or dredged, and plans to use, manage or dispose of them. _____ _____ _____ iv. Will there be onsite dewatering or processing of excavated materials? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe. _____ _____ _____ v. What is the total area to be dredged or excavated? _____ acres vi. What is the maximum area to be worked at any one time? _____ acres vii. What would be the maximum depth of excavation or dredging? _____ feet viii. Will the excavation require blasting? <input type="checkbox"/> Yes <input type="checkbox"/> No ix. Summarize site reclamation goals and plan: _____ _____ _____ _____	

b. Would the proposed action cause or result in alteration of, increase or decrease in size of, or encroachment into any existing wetland, waterbody, shoreline, beach or adjacent area? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes:	
i. Identify the wetland or waterbody which would be affected (by name, water index number, wetland map number or geographic description): _____ _____ _____	

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

iii. Will the proposed action cause or result in disturbance to bottom sediments? Yes ☐ No ☐
 If Yes, describe: _____

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

- acres of aquatic vegetation proposed to be removed: _____
- expected acreage of aquatic vegetation remaining after project completion: _____
- purpose of proposed removal (e.g. beach clearing, invasive species control, boat access): _____
- proposed method of plant removal: _____
- if chemical/herbicide treatment will be used, specify product(s): _____

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

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

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

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

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

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

- Describe extensions or capacity expansions proposed to serve this project: _____
- Source(s) of supply for the district: _____

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

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

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

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

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

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

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

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

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

<ul style="list-style-type: none"> • Do existing sewer lines serve the project site? _____ • Will a line extension within an existing district be necessary to serve the project? _____ <p>If Yes:</p> <ul style="list-style-type: none"> • Describe extensions or capacity expansions proposed to serve this project: _____ _____ _____ 	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No	
<p>iv. Will a new wastewater (sewage) treatment district be formed to serve the project site? _____</p> <p>If Yes:</p> <ul style="list-style-type: none"> • Applicant/sponsor for new district: _____ • Date application submitted or anticipated: _____ • What is the receiving water for the wastewater discharge? _____ 	<input type="checkbox"/> Yes <input type="checkbox"/> No	
<p>v. If public facilities will not be used, describe plans to provide wastewater treatment for the project, including specifying proposed receiving water (name and classification if surface discharge or describe subsurface disposal plans): _____ _____</p>		
<p>vi. Describe any plans or designs to capture, recycle or reuse liquid waste: _____ _____ _____</p>		
<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>i. How much impervious surface will the project create in relation to total size of project parcel? _____ Square feet or _____ acres (impervious surface) _____ Square feet or _____ acres (parcel size)</p> <p>ii. Describe types of new point sources. _____ _____</p> <p>iii. Where will the stormwater runoff be directed (i.e. on-site stormwater management facility/structures, adjacent properties, groundwater, on-site surface water or off-site surface waters)? _____ _____</p> <ul style="list-style-type: none"> • If to surface waters, identify receiving water bodies or wetlands: _____ _____ • Will stormwater runoff flow to adjacent properties? _____ 	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No	
<p>iv. Does the proposed plan minimize impervious surfaces, use pervious materials or collect and re-use stormwater? _____</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>i. Mobile sources during project operations (e.g., heavy equipment, fleet or delivery vehicles) _____</p> <p>ii. Stationary sources during construction (e.g., power generation, structural heating, batch plant, crushers) _____</p> <p>iii. Stationary sources during operations (e.g., process emissions, large boilers, electric generation) _____ _____</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No	
<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>i. Is the project site located in an Air quality non-attainment area? (Area routinely or periodically fails to meet ambient air quality standards for all or some parts of the year) _____</p> <p>ii. In addition to emissions as calculated in the application, the project will generate:</p> <ul style="list-style-type: none"> • _____ Tons/year (short tons) of Carbon Dioxide (CO₂) • _____ Tons/year (short tons) of Nitrous Oxide (N₂O) • _____ Tons/year (short tons) of Perfluorocarbons (PFCs) • _____ Tons/year (short tons) of Sulfur Hexafluoride (SF₆) • _____ Tons/year (short tons) of Carbon Dioxide equivalent of Hydrofluorocarbons (HFCs) • _____ Tons/year (short tons) of Hazardous Air Pollutants (HAPs) 		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No

<p>h. Will the proposed action generate or emit methane (including, but not limited to, sewage treatment plants, landfills, composting facilities)? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If Yes:</p> <p>i. Estimate methane generation in tons/year (metric): _____</p> <p>ii. Describe any methane capture, control or elimination measures included in project design (e.g., combustion to generate heat or electricity, flaring): _____</p>			
<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? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If Yes: Describe operations and nature of emissions (e.g., diesel exhaust, rock particulates/dust): _____</p>			
<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? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If Yes:</p> <p>i. When is the peak traffic expected (Check all that apply): <input type="checkbox"/> Morning <input type="checkbox"/> Evening <input type="checkbox"/> Weekend <input type="checkbox"/> Randomly between hours of _____ to _____.</p> <p>ii. For commercial activities only, projected number of truck trips/day and type (e.g., semi trailers and dump trucks): _____</p> <p>iii. Parking spaces: Existing _____ Proposed _____ Net increase/decrease _____</p> <p>iv. Does the proposed action include any shared use parking? Yes No</p> <p>v. If the proposed action includes any modification of existing roads, creation of new roads or change in existing access, describe: _____</p> <p>vi. Are public/private transportation service(s) or facilities available within ½ mile of the proposed site? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>vii. Will the proposed action include access to public transportation or accommodations for use of hybrid, electric or other alternative fueled vehicles? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>viii. Will the proposed action include plans for pedestrian or bicycle accommodations for connections to existing pedestrian or bicycle routes? <input type="checkbox"/> Yes <input type="checkbox"/> No</p>			
<p>k. Will the proposed action (for commercial or industrial projects only) generate new or additional demand for energy? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If Yes:</p> <p>i. Estimate annual electricity demand during operation of the proposed action: _____</p> <p>ii. Anticipated sources/suppliers of electricity for the project (e.g., on-site combustion, on-site renewable, via grid/local utility, or other): _____</p> <p>iii. Will the proposed action require a new, or an upgrade, to an existing substation? <input type="checkbox"/> Yes <input type="checkbox"/> No</p>			
<p>l. Hours of operation. Answer all items which apply.</p> <table style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> <p>i. During Construction:</p> <ul style="list-style-type: none"> • Monday - Friday: _____ • Saturday: _____ • Sunday: _____ • Holidays: _____ </td> <td style="width: 50%; vertical-align: top;"> <p>ii. During Operations:</p> <ul style="list-style-type: none"> • Monday - Friday: _____ • Saturday: _____ • Sunday: _____ • Holidays: _____ </td> </tr> </table>		<p>i. During Construction:</p> <ul style="list-style-type: none"> • Monday - Friday: _____ • Saturday: _____ • Sunday: _____ • Holidays: _____ 	<p>ii. During Operations:</p> <ul style="list-style-type: none"> • Monday - Friday: _____ • Saturday: _____ • Sunday: _____ • Holidays: _____
<p>i. During Construction:</p> <ul style="list-style-type: none"> • Monday - Friday: _____ • Saturday: _____ • Sunday: _____ • Holidays: _____ 	<p>ii. During Operations:</p> <ul style="list-style-type: none"> • Monday - Friday: _____ • Saturday: _____ • Sunday: _____ • Holidays: _____ 		

<p>m. Will the proposed action produce noise that will exceed existing ambient noise levels during construction, operation, or both? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If yes:</p> <p>i. Provide details including sources, time of day and duration:</p> <p>_____</p> <p>_____</p>	
<p>ii. Will the proposed action remove existing natural barriers that could act as a noise barrier or screen? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Describe: _____</p> <p>_____</p>	
<p>n. Will the proposed action have outdoor lighting? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If yes:</p> <p>i. Describe source(s), location(s), height of fixture(s), direction/aim, and proximity to nearest occupied structures:</p> <p>_____</p> <p>_____</p>	
<p>ii. Will proposed action remove existing natural barriers that could act as a light barrier or screen? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Describe: _____</p> <p>_____</p>	
<p>o. Does the proposed action have the potential to produce odors for more than one hour per day? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If Yes, describe possible sources, potential frequency and duration of odor emissions, and proximity to nearest occupied structures: _____</p> <p>_____</p> <p>_____</p>	
<p>p. Will the proposed action include any bulk storage of petroleum (combined capacity of over 1,100 gallons) or chemical products 185 gallons in above ground storage or any amount in underground storage? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If Yes:</p> <p>i. Product(s) to be stored _____</p> <p>ii. Volume(s) _____ per unit time _____ (e.g., month, year)</p> <p>iii. Generally, describe the proposed storage facilities: _____</p> <p>_____</p>	
<p>q. Will the proposed action (commercial, industrial and recreational projects only) use pesticides (i.e., herbicides, insecticides) during construction or operation? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If Yes:</p> <p>i. Describe proposed treatment(s):</p> <p>_____</p> <p>_____</p> <p>_____</p>	
<p>ii. Will the proposed action use Integrated Pest Management Practices? <input type="checkbox"/> Yes <input type="checkbox"/> No</p>	
<p>r. Will the proposed action (commercial or industrial projects only) involve or require the management or disposal of solid waste (excluding hazardous materials)? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If Yes:</p> <p>i. Describe any solid waste(s) to be generated during construction or operation of the facility:</p> <ul style="list-style-type: none"> • Construction: _____ tons per _____ (unit of time) • Operation : _____ tons per _____ (unit of time) <p>ii. Describe any proposals for on-site minimization, recycling or reuse of materials to avoid disposal as solid waste:</p> <ul style="list-style-type: none"> • Construction: _____ _____ • Operation: _____ _____ <p>iii. Proposed disposal methods/facilities for solid waste generated on-site:</p> <ul style="list-style-type: none"> • Construction: _____ _____ • Operation: _____ _____ 	

s. Does the proposed action include construction or modification of a solid waste management facility? ☐ Yes ☐ No
 If Yes:
 i. Type of management or handling of waste proposed for the site (e.g., recycling or transfer station, composting, landfill, or other disposal activities): _____
 ii. Anticipated rate of disposal/processing:
 • _____ Tons/month, if transfer or other non-combustion/thermal treatment, or
 • _____ Tons/hour, if combustion or thermal treatment
 iii. If landfill, anticipated site life: _____ years

t. Will the proposed action at the site involve the commercial generation, treatment, storage, or disposal of hazardous waste? ☐ Yes ☐ No
 If Yes:
 i. Name(s) of all hazardous wastes or constituents to be generated, handled or managed at facility: _____

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

 iii. Specify amount to be handled or generated _____ tons/month
 iv. Describe any proposals for on-site minimization, recycling or reuse of hazardous constituents: _____

 v. Will any hazardous wastes be disposed at an existing offsite hazardous waste facility? ☐ Yes ☐ No
 If Yes: provide name and location of facility: _____

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

E. Site and Setting of Proposed Action

E.1. Land uses on and surrounding the project site			
a. Existing land uses. i. Check all uses that occur on, adjoining and near the project site. <input type="checkbox"/> Urban <input type="checkbox"/> Industrial <input type="checkbox"/> Commercial <input type="checkbox"/> Residential (suburban) <input type="checkbox"/> Rural (non-farm) <input type="checkbox"/> Forest <input type="checkbox"/> Agriculture <input type="checkbox"/> Aquatic <input type="checkbox"/> Other (specify): _____ ii. If mix of uses, generally describe: _____ _____			
b. Land uses and covertypes on the project site.			
Land use or Covertypes	Current Acreage	Acreage After Project Completion	Change (Acres +/-)
• Roads, buildings, and other paved or impervious surfaces			
• Forested			
• Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural)			
• Agricultural (includes active orchards, field, greenhouse etc.)			
• Surface water features (lakes, ponds, streams, rivers, etc.)			
• Wetlands (freshwater or tidal)			
• Non-vegetated (bare rock, earth or fill)			
• Other Describe: _____ _____			

<p>c. Is the project site presently used by members of the community for public recreation? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>i. If Yes: explain: _____</p>	
<p>d. Are there any facilities serving children, the elderly, people with disabilities (e.g., schools, hospitals, licensed day care centers, or group homes) within 1500 feet of the project site? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If Yes,</p> <p>i. Identify Facilities: _____</p> <p>_____</p>	
<p>e. Does the project site contain an existing dam? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If Yes:</p> <p>i. Dimensions of the dam and impoundment:</p> <ul style="list-style-type: none"> • Dam height: _____ feet • Dam length: _____ feet • Surface area: _____ acres • Volume impounded: _____ gallons OR acre-feet <p>ii. Dam's existing hazard classification: _____</p> <p>iii. Provide date and summarize results of last inspection: _____</p> <p>_____</p>	
<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? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If Yes:</p> <p>i. Has the facility been formally closed? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <ul style="list-style-type: none"> • If yes, cite sources/documentation: _____ <p>ii. Describe the location of the project site relative to the boundaries of the solid waste management facility: _____</p> <p>_____</p> <p>iii. Describe any development constraints due to the prior solid waste activities: _____</p> <p>_____</p>	
<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? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If Yes:</p> <p>i. Describe waste(s) handled and waste management activities, including approximate time when activities occurred: _____</p> <p>_____</p>	
<p>h. Potential contamination history. Has there been a reported spill at the proposed project site, or have any remedial actions been conducted at or adjacent to the proposed site? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If Yes:</p> <p>i. Is any portion of the site listed on the NYSDEC Spills Incidents database or Environmental Site Remediation database? Check all that apply: <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> Yes – Spills Incidents database <input type="checkbox"/> Yes – Environmental Site Remediation database <input type="checkbox"/> Neither database </div> <div> Provide DEC ID number(s): _____ Provide DEC ID number(s): _____ </div> </div> <p>ii. If site has been subject of RCRA corrective activities, describe control measures: _____</p> <p>_____</p> <p>iii. Is the project within 2000 feet of any site in the NYSDEC Environmental Site Remediation database? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If yes, provide DEC ID number(s): _____</p> <p>iv. If yes to (i), (ii) or (iii) above, describe current status of site(s): _____</p> <p>_____</p>	

v. Is the project site subject to an institutional control limiting property uses? <input type="checkbox"/> Yes <input type="checkbox"/> No <ul style="list-style-type: none"> • If yes, DEC site ID number: _____ • Describe the type of institutional control (e.g., deed restriction or easement): _____ • Describe any use limitations: _____ • Describe any engineering controls: _____ • Will the project affect the institutional or engineering controls in place? <input type="checkbox"/> Yes <input type="checkbox"/> No • Explain: _____ _____ 	
E.2. Natural Resources On or Near Project Site	
a. What is the average depth to bedrock on the project site? _____ feet	
b. Are there bedrock outcroppings on the project site? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, what proportion of the site is comprised of bedrock outcroppings? _____ %	
c. Predominant soil type(s) present on project site: _____ % _____ % _____ %	
d. What is the average depth to the water table on the project site? Average: _____ feet	
e. Drainage status of project site soils: <input type="checkbox"/> Well Drained: _____ % of site <input type="checkbox"/> Moderately Well Drained: _____ % of site <input type="checkbox"/> Poorly Drained _____ % of site	
f. Approximate proportion of proposed action site with slopes: <input type="checkbox"/> 0-10%: _____ % of site <input type="checkbox"/> 10-15%: _____ % of site <input type="checkbox"/> 15% or greater: _____ % of site	
g. Are there any unique geologic features on the project site? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, describe: _____ _____	
h. Surface water features. i. Does any portion of the project site contain wetlands or other waterbodies (including streams, rivers, ponds or lakes)? <input type="checkbox"/> Yes <input type="checkbox"/> No ii. Do any wetlands or other waterbodies adjoin the project site? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes to either <i>i</i> or <i>ii</i> , continue. If No, skip to E.2.i. iii. Are any of the wetlands or waterbodies within or adjoining the project site regulated by any federal, state or local agency? <input type="checkbox"/> Yes <input type="checkbox"/> No iv. For each identified regulated wetland and waterbody on the project site, provide the following information: <ul style="list-style-type: none"> • Streams: Name _____ Classification _____ • Lakes or Ponds: Name _____ Classification _____ • Wetlands: Name _____ Approximate Size _____ • Wetland No. (if regulated by DEC) _____ 	
v. Are any of the above water bodies listed in the most recent compilation of NYS water quality-impaired waterbodies? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, name of impaired water body/bodies and basis for listing as impaired: _____ _____	
i. Is the project site in a designated Floodway? <input type="checkbox"/> Yes <input type="checkbox"/> No	
j. Is the project site in the 100-year Floodplain? <input type="checkbox"/> Yes <input type="checkbox"/> No	
k. Is the project site in the 500-year Floodplain? <input type="checkbox"/> Yes <input type="checkbox"/> No	
l. Is the project site located over, or immediately adjoining, a primary, principal or sole source aquifer? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes: <ul style="list-style-type: none"> i. Name of aquifer: _____ 	

<p>m. Identify the predominant wildlife species that occupy or use the project site: _____</p> <p>_____</p> <p>_____</p>	
<p>n. Does the project site contain a designated significant natural community? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If Yes:</p> <p style="margin-left: 20px;">i. Describe the habitat/community (composition, function, and basis for designation): _____</p> <p style="margin-left: 20px;">ii. Source(s) of description or evaluation: _____</p> <p style="margin-left: 20px;">iii. Extent of community/habitat:</p> <ul style="list-style-type: none"> • Currently: _____ acres • Following completion of project as proposed: _____ acres • Gain or loss (indicate + or -): _____ acres 	
<p>o. Does project site contain any species of plant or animal that is listed by the federal government or NYS as endangered or threatened, or does it contain any areas identified as habitat for an endangered or threatened species? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If Yes:</p> <p style="margin-left: 20px;">i. Species and listing (endangered or threatened): __NYSDEC letter dated March 18, 2019 _____</p> <p style="margin-left: 100px;">_____ NY State and Federally regulated Threatened species _____</p>	
<p>p. Does the project site contain any species of plant or animal that is listed by NYS as rare, or as a species of special concern? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If Yes:</p> <p style="margin-left: 20px;">i. Species and listing: __NY State Species of Special Concern _____</p> <p>_____</p>	
<p>q. Is the project site or adjoining area currently used for hunting, trapping, fishing or shell fishing? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If yes, give a brief description of how the proposed action may affect that use: _____</p> <p>_____</p>	
<p>E.3. Designated Public Resources On or Near Project Site</p>	
<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? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If Yes, provide county plus district name/number: _____</p>	
<p>b. Are agricultural lands consisting of highly productive soils present? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p style="margin-left: 20px;">i. If Yes: acreage(s) on project site? _____</p> <p style="margin-left: 20px;">ii. Source(s) of soil rating(s): _____</p>	
<p>c. Does the project site contain all or part of, or is it substantially contiguous to, a registered National Natural Landmark? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If Yes:</p> <p style="margin-left: 20px;">i. Nature of the natural landmark: <input type="checkbox"/> Biological Community <input type="checkbox"/> Geological Feature</p> <p style="margin-left: 20px;">ii. Provide brief description of landmark, including values behind designation and approximate size/extent: _____</p> <p>_____</p> <p>_____</p>	
<p>d. Is the project site located in or does it adjoin a state listed Critical Environmental Area? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If Yes:</p> <p style="margin-left: 20px;">i. CEA name: _____</p> <p style="margin-left: 20px;">ii. Basis for designation: _____</p> <p style="margin-left: 20px;">iii. Designating agency and date: _____</p>	

e. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district which is listed on the National or State Register of Historic Places, or that has been determined by the Commissioner of the NYS Office of Parks, Recreation and Historic Preservation to be eligible for listing on the State Register of Historic Places?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If Yes: <ul style="list-style-type: none"> i. Nature of historic/archaeological resource: <input type="checkbox"/> Archaeological Site <input type="checkbox"/> Historic Building or District ii. Name: _____ iii. Brief description of attributes on which listing is based: _____ 	
f. Is the project site, or any portion of it, located in or adjacent to an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
g. Have additional archaeological or historic site(s) or resources been identified on the project site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If Yes: <ul style="list-style-type: none"> i. Describe possible resource(s): _____ ii. Basis for identification: NYSHPO letter dated March 8, 2019 	
h. Is the project site within five miles of any officially designated and publicly accessible federal, state, or local scenic or aesthetic resource?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
If Yes: <ul style="list-style-type: none"> i. Identify resource: Wainscott Scenic Area of Local Significance ii. Nature of, or basis for, designation (e.g., established highway overlook, state or local park, state historic trail or scenic byway, etc.): _____ iii. Distance between project and resource: _____ 1.1+/- miles. 	
i. Is the project site located within a designated river corridor under the Wild, Scenic and Recreational Rivers Program 6 NYCRR 666?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If Yes: <ul style="list-style-type: none"> i. Identify the name of the river and its designation: _____ ii. Is the activity consistent with development restrictions contained in 6NYCRR Part 666? <input type="checkbox"/> Yes <input type="checkbox"/> No 	

F. Additional Information

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

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

G. Verification

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

Applicant/Sponsor Name Suffolk County Water Authority Date January 11, 2021

Signature  Title Deputy CEO for Operations

PRINT FORM



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



B.i.i [Coastal or Waterfront Area]	No
B.i.ii [Local Waterfront Revitalization Area]	Yes
C.2.b. [Special Planning District]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h [DEC Spills or Remediation Site - Potential Contamination History]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h.i [DEC Spills or Remediation Site - Listed]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h.i [DEC Spills or Remediation Site - Environmental Site Remediation Database]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h.iii [Within 2,000' of DEC Remediation Site]	No
E.2.g [Unique Geologic Features]	No
E.2.h.i [Surface Water Features]	No
E.2.h.ii [Surface Water Features]	No
E.2.h.iii [Surface Water Features]	No
E.2.h.v [Impaired Water Bodies]	No
E.2.i. [Floodway]	No
E.2.j. [100 Year Floodplain]	No
E.2.k. [500 Year Floodplain]	No
E.2.l. [Aquifers]	Yes
E.2.l. [Aquifer Names]	Sole Source Aquifer Names:Nassau-Suffolk SSA
E.2.n. [Natural Communities]	Yes
E.2.n.i [Natural Communities - Name]	Coastal Oak-Heath Forest, Pitch Pine-Oak Forest
E.2.n.i [Natural Communities - Acres]	2129.96, 871.66

E.2.o. [Endangered or Threatened Species]	Yes
E.2.o. [Endangered or Threatened Species - Name]	Northern Long-eared Bat
E.2.p. [Rare Plants or Animals]	Yes
E.2.p. [Rare Plants or Animals - Name]	Coastal Barrens Buckmoth
E.3.a. [Agricultural District]	No
E.3.c. [National Natural Landmark]	No
E.3.d [Critical Environmental Area]	Yes
E.3.d [Critical Environmental Area - Name]	Aquifer Overlay District, SGPA, Water Recharge
E.3.d.ii [Critical Environmental Area - Reason]	Preserve pure water quality, Protect groundwater, Protect groundwater & drinking water
E.3.d.iii [Critical Environmental Area – Date and Agency]	Agency:Southampton, Town of, Agency:Long Island Regional Planning, Agency:East Hampton, Date:6-20-84, Date:3-19-93, Date:2-12-88
E.3.e. [National Register of Historic Places]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.3.f. [Archeological Sites]	No
E.3.i. [Designated River Corridor]	No

Full Environmental Assessment Form
Part 2 - Identification of Potential Project Impacts

Project :

Date :

Part 2 is to be completed by the lead agency. Part 2 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.

If the lead agency is a state agency **and** the action is in any Coastal Area, complete the Coastal Assessment Form before proceeding with this assessment.

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 question.
- 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 Proposed action may involve construction on, or physical alteration of, the land surface of the proposed site. (See Part 1. D.1) <i>If “Yes”, answer questions a - j. If “No”, move on to Section 2.</i>				<input type="checkbox"/> NO	<input type="checkbox"/> YES
	Relevant Part I 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.	E2d	<input type="checkbox"/>	<input type="checkbox"/>		
b. The proposed action may involve construction on slopes of 15% or greater.	E2f	<input type="checkbox"/>	<input type="checkbox"/>		
c. The proposed action may involve construction on land where bedrock is exposed, or generally within 5 feet of existing ground surface.	E2a	<input type="checkbox"/>	<input type="checkbox"/>		
d. The proposed action may involve the excavation and removal of more than 1,000 tons of natural material.	D2a	<input type="checkbox"/>	<input type="checkbox"/>		
e. The proposed action may involve construction that continues for more than one year or in multiple phases.	D1e	<input 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).	D2e, D2q	<input type="checkbox"/>	<input type="checkbox"/>		
g. The proposed action is, or may be, located within a Coastal Erosion hazard area.	B1i	<input 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) <input type="checkbox"/> NO <input type="checkbox"/> YES <i>If "Yes", answer questions a - c. If "No", move on to Section 3.</i>			
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. Identify the specific land form(s) attached: _____	E2g	<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: _____	E3c	<input type="checkbox"/>	<input type="checkbox"/>
c. Other impacts: _____		<input type="checkbox"/>	<input type="checkbox"/>

3. Impacts 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) <input type="checkbox"/> NO <input type="checkbox"/> YES <i>If "Yes", answer questions a - l. If "No", move on to Section 4.</i>			
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may create a new water body.	D2b, D1h	<input 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.	D2b	<input 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.	D2a	<input 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.	E2h	<input type="checkbox"/>	<input type="checkbox"/>
e. The proposed action may create turbidity in a waterbody, either from upland erosion, runoff or by disturbing bottom sediments.	D2a, D2h	<input type="checkbox"/>	<input type="checkbox"/>
f. The proposed action may include construction of one or more intake(s) for withdrawal of water from surface water.	D2c	<input 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).	D2d	<input 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.	D2e	<input 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.	E2h	<input type="checkbox"/>	<input type="checkbox"/>
j. The proposed action may involve the application of pesticides or herbicides in or around any water body.	D2q, E2h	<input type="checkbox"/>	<input type="checkbox"/>
k. The proposed action may require the construction of new, or expansion of existing, wastewater treatment facilities.	D1a, D2d	<input type="checkbox"/>	<input type="checkbox"/>

I. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>
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4. Impact on groundwater The proposed action may result in new or additional use of ground water, or may have the potential to introduce contaminants to ground water 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>			
	<input type="checkbox"/> NO	<input type="checkbox"/> YES	
	Relevant Part I 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.	D2c	<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: _____	D2c	<input type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may allow or result in residential uses in areas without water and sewer services.	D1a, D2c	<input type="checkbox"/>	<input type="checkbox"/>
d. The proposed action may include or require wastewater discharged to groundwater.	D2d, E2l	<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.	D2c, E1f, E1g, E1h	<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.	D2p, E2l	<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.	E2h, D2q, E2l, D2c	<input type="checkbox"/>	<input type="checkbox"/>
h. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>

5. Impact on Flooding The proposed action may result in development on lands subject to flooding. (See Part 1. E.2) <i>If “Yes”, answer questions a - g. If “No”, move on to Section 6.</i>			
	<input type="checkbox"/> NO	<input type="checkbox"/> YES	
	Relevant Part I 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.	E2i	<input type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may result in development within a 100 year floodplain.	E2j	<input type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may result in development within a 500 year floodplain.	E2k	<input type="checkbox"/>	<input type="checkbox"/>
d. The proposed action may result in, or require, modification of existing drainage patterns.	D2b, D2e	<input type="checkbox"/>	<input type="checkbox"/>
e. The proposed action may change flood water flows that contribute to flooding.	D2b, E2i, E2j, E2k	<input type="checkbox"/>	<input type="checkbox"/>
f. If there is a dam located on the site of the proposed action, is the dam in need of repair, or upgrade?	E1e	<input type="checkbox"/>	<input type="checkbox"/>

g. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>
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6. Impacts on Air The proposed action may include a state regulated air emission source. <input type="checkbox"/> NO <input type="checkbox"/> YES (See Part 1. D.2.f., D.2.h, D.2.g) <i>If “Yes”, answer questions a - f. If “No”, move on to Section 7.</i>			
	Relevant Part I 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 (CO ₂)	D2g	<input type="checkbox"/>	<input type="checkbox"/>
ii. More than 3.5 tons/year of nitrous oxide (N ₂ O)	D2g	<input type="checkbox"/>	<input type="checkbox"/>
iii. More than 1000 tons/year of carbon equivalent of perfluorocarbons (PFCs)	D2g	<input type="checkbox"/>	<input type="checkbox"/>
iv. More than .045 tons/year of sulfur hexafluoride (SF ₆)	D2g	<input type="checkbox"/>	<input type="checkbox"/>
v. More than 1000 tons/year of carbon dioxide equivalent of hydrochloroflourocarbons (HFCs) emissions	D2g	<input type="checkbox"/>	<input type="checkbox"/>
vi. 43 tons/year or more of methane	D2h	<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 air pollutants.	D2g	<input type="checkbox"/>	<input type="checkbox"/>
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.	D2f, D2g	<input type="checkbox"/>	<input type="checkbox"/>
d. The proposed action may reach 50% of any of the thresholds in “a” through “c”, above.	D2g	<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.	D2s	<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. (See Part 1. E.2. m.-q.) <input type="checkbox"/> NO <input type="checkbox"/> YES <i>If “Yes”, answer questions a - j. If “No”, move on to Section 8.</i>			
	Relevant Part I 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.	E2o	<input 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.	E2o	<input 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.	E2p	<input 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.	E2p	<input 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.	E3c	<input 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: _____	E2n	<input 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.	E2m	<input 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: _____	E1b	<input type="checkbox"/>	<input type="checkbox"/>
i. Proposed action (commercial, industrial or recreational projects, only) involves use of herbicides or pesticides.	D2q	<input type="checkbox"/>	<input type="checkbox"/>
j. Other impacts: _____		<input type="checkbox"/>	<input type="checkbox"/>

8. Impact on Agricultural Resources The proposed action may impact agricultural resources. (See Part 1. E.3.a. and b.) <input type="checkbox"/> NO <input type="checkbox"/> YES <i>If "Yes", answer questions a - h. If "No", move on to Section 9.</i>			
	Relevant Part I 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.	E2c, E3b	<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).	E1a, E1b	<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.	E3b	<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.	E1b, E3a	<input type="checkbox"/>	<input type="checkbox"/>
e. The proposed action may disrupt or prevent installation of an agricultural land management system.	E1 a, E1b	<input type="checkbox"/>	<input type="checkbox"/>
f. The proposed action may result, directly or indirectly, in increased development potential or pressure on farmland.	C2c, C3, D2c, D2d	<input type="checkbox"/>	<input type="checkbox"/>
g. The proposed project is not consistent with the adopted municipal Farmland Protection Plan.	C2c	<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. (Part 1. E.1.a, E.1.b, E.3.h.) <i>If "Yes", answer questions a - g. If "No", go to Section 10.</i>			
		<input type="checkbox"/> NO	<input type="checkbox"/> YES
	Relevant Part I 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.	E3h	<input type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may result in the obstruction, elimination or significant screening of one or more officially designated scenic views.	E3h, C2b	<input type="checkbox"/>	<input type="checkbox"/>
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	E3h	<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	E3h E2q, E1c	<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.	E3h	<input type="checkbox"/>	<input type="checkbox"/>
f. There are similar projects visible within the following distance of the proposed project: 0-1/2 mile 1/2 -3 mile 3-5 mile 5+ mile	D1a, E1a, D1f, D1g	<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 a historic or archaeological resource. (Part 1. E.3.e, f. and g.) <i>If "Yes", answer questions a - e. If "No", go to Section 11.</i>			
		<input type="checkbox"/> NO	<input type="checkbox"/> YES
	Relevant Part I 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.	E3e	<input 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.	E3f	<input 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: _____	E3g	<input type="checkbox"/>	<input type="checkbox"/>

d. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>
<p>If any of the above (a-d) are answered “Moderate to large impact may occur”, continue with the following questions to help support conclusions in Part 3:</p> <p>e.</p> <p>i. The proposed action may result in the destruction or alteration of all or part of the site or property.</p> <p>ii. The proposed action may result in the alteration of the property’s setting or integrity.</p> <p>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.</p>	<p>E3e, E3g, E3f</p> <p>E3e, E3f, E3g, E1a, E1b</p> <p>E3e, E3f, E3g, E3h, C2, C3</p>	<p><input type="checkbox"/></p> <p><input type="checkbox"/></p> <p><input type="checkbox"/></p>	<p><input type="checkbox"/></p> <p><input type="checkbox"/></p> <p><input type="checkbox"/></p>

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.q.) <i>If “Yes”, answer questions a - e. If “No”, go to Section 12.</i>			
		<input type="checkbox"/> NO	<input type="checkbox"/> YES
	Relevant Part I 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, wildlife habitat.	D2e, E1b E2h, E2m, E2o, E2n, E2p	<input type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may result in the loss of a current or future recreational resource.	C2a, E1c, C2c, E2q	<input type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may eliminate open space or recreational resource in an area with few such resources.	C2a, C2c E1c, E2q	<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.	C2c, E1c	<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) <i>If “Yes”, answer questions a - c. If “No”, go to Section 13.</i>			
		<input type="checkbox"/> NO	<input type="checkbox"/> YES
	Relevant Part I 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.	E3d	<input 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.	E3d	<input 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. <input type="checkbox"/> NO <input type="checkbox"/> YES (See Part 1. D.2.j) <i>If "Yes", answer questions a - f. If "No", go to Section 14.</i>			
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. Projected traffic increase may exceed capacity of existing road network.	D2j	<input type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may result in the construction of paved parking area for 500 or more vehicles.	D2j	<input type="checkbox"/>	<input type="checkbox"/>
c. The proposed action will degrade existing transit access.	D2j	<input type="checkbox"/>	<input type="checkbox"/>
d. The proposed action will degrade existing pedestrian or bicycle accommodations.	D2j	<input type="checkbox"/>	<input type="checkbox"/>
e. The proposed action may alter the present pattern of movement of people or goods.	D2j	<input 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. <input type="checkbox"/> NO <input type="checkbox"/> YES (See Part 1. D.2.k) <i>If "Yes", answer questions a - e. If "No", go to Section 15.</i>			
	Relevant Part I 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.	D2k	<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.	D1f, D1q, D2k	<input type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may utilize more than 2,500 MWhrs per year of electricity.	D2k	<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.	D1g	<input type="checkbox"/>	<input type="checkbox"/>
e. Other Impacts: _____ _____			

15. Impact on Noise, Odor, and Light The proposed action may result in an increase in noise, odors, or outdoor lighting. <input type="checkbox"/> NO <input type="checkbox"/> YES (See Part 1. D.2.m., n., and o.) <i>If "Yes", answer questions a - f. If "No", go to Section 16.</i>			
	Relevant Part I 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.	D2m	<input 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.	D2m, E1d	<input type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may result in routine odors for more than one hour per day.	D2o	<input type="checkbox"/>	<input type="checkbox"/>

d. The proposed action may result in light shining onto adjoining properties.	D2n	<input type="checkbox"/>	<input type="checkbox"/>
e. The proposed action may result in lighting creating sky-glow brighter than existing area conditions.	D2n, E1a	<input type="checkbox"/>	<input type="checkbox"/>
f. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>

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. f. g. and h.)

☐ NO

☐ YES

If "Yes", answer questions a - m. If "No", go to Section 17.

	Relevant Part I 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.	E1d	<input type="checkbox"/>	<input type="checkbox"/>
b. The site of the proposed action is currently undergoing remediation.	E1g, E1h	<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.	E1g, E1h	<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 or deed restriction).	E1g, E1h	<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.	E1g, E1h	<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.	D2t	<input type="checkbox"/>	<input type="checkbox"/>
g. The proposed action involves construction or modification of a solid waste management facility.	D2q, E1f	<input type="checkbox"/>	<input type="checkbox"/>
h. The proposed action may result in the unearthing of solid or hazardous waste.	D2q, E1f	<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.	D2r, D2s	<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.	E1f, E1g E1h	<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.	E1f, E1g	<input type="checkbox"/>	<input type="checkbox"/>
l. The proposed action may result in the release of contaminated leachate from the project site.	D2s, E1f, D2r	<input type="checkbox"/>	<input type="checkbox"/>
m. Other impacts: _____ _____			

17. Consistency with Community Plans The proposed action is not consistent with adopted land use plans. (See Part 1. C.1, C.2. and C.3.) <i>If “Yes”, answer questions a - h. If “No”, go to Section 18.</i>			
		<input type="checkbox"/> NO	<input type="checkbox"/> YES
	Relevant Part I 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).	C2, C3, D1a E1a, E1b	<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%.	C2	<input type="checkbox"/>	<input type="checkbox"/>
c. The proposed action is inconsistent with local land use plans or zoning regulations.	C2, C2, C3	<input type="checkbox"/>	<input type="checkbox"/>
d. The proposed action is inconsistent with any County plans, or other regional land use plans.	C2, C2	<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.	C3, D1c, D1d, D1f, D1d, E1b	<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.	C4, D2c, D2d D2j	<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)	C2a	<input type="checkbox"/>	<input type="checkbox"/>
h. Other: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>

18. Consistency with Community Character The proposed project is inconsistent with the existing community character. (See Part 1. C.2, C.3, D.2, E.3) <i>If “Yes”, answer questions a - g. If “No”, proceed to Part 3.</i>			
		<input type="checkbox"/> NO	<input type="checkbox"/> YES
	Relevant Part I 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.	E3e, E3f, E3g	<input type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may create a demand for additional community services (e.g. schools, police and fire)	C4	<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.	C2, C3, D1f D1g, E1a	<input type="checkbox"/>	<input type="checkbox"/>
d. The proposed action may interfere with the use or enjoyment of officially recognized or designated public resources.	C2, E3	<input type="checkbox"/>	<input type="checkbox"/>
e. The proposed action is inconsistent with the predominant architectural scale and character.	C2, C3	<input type="checkbox"/>	<input type="checkbox"/>
f. Proposed action is inconsistent with the character of the existing natural landscape.	C2, C3 E1a, E1b E2g, E2h	<input type="checkbox"/>	<input type="checkbox"/>
g. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>

II. Environmental Assessment Form - Part 3, Evaluation of the Importance of Impacts

A. Public Need for the Action

Suffolk County Water Authority (“SCWA”), to ensure reliability and increase resiliency in its public water supply system serving its customers in the Town of East Hampton and to meet peak customer demand, proposes to construct a two million gallon ground level water storage reservoir (the “Project”) at its Town Line Road property in the Town of East Hampton. Exhibit A contains an aerial photograph of the SCWA property indicating the location of the Project.

SCWA is the primary supplier of public drinking water in the Town of East Hampton. The Project is an important improvement to the SCWA South Fork Low pressure zone that will increase storage within the zone thereby improving SCWA’s ability to respond to instantaneous demand for water in it. Currently, there are five large storage facilities in the South Fork Low pressure zone with a total storage capacity of approximately 6 million gallons including: Spring Close Highway, Division Street, West Prospect Street, Edge of Woods Road, and Cross Highway. The Project will add significant storage to the west end of the pressure zone thereby helping to equalize system pressures, enhancing reliability and providing much needed instantaneous system capacity to the system.

Once installed, the water storage reservoir will be filled during off peak periods with water that is pumped from SCWA wells in the area. During peak periods, booster pumps located at the Town Line Road pump station and installed as part of the Project will be used to pump water from the reservoir into the system to help meet peak system demand. The capacity of three booster pumps each rated at 500, 1000, and 1000 gallons per minute will be significantly larger than any of the wells in the area and their presence together with the wells will effectively increase the pumping capacity of the overall water system without the installation of any new wells. The Project will also help reduce the need to continuously pump wells during peak periods in the South Fork Low system and will allow SCWA operations personnel more flexibility in managing the use of the wells. The additional storage together with the ability to boost water into the system will decrease the reliance on wells to meet peak demand. The Project will also provide an extra degree of redundancy that will help make the South Fork Low pressure zone more resilient during emergency situations such as water main breaks, firefighting operations or brief periods when wells are out of service due to power failures or equipment problems.

Two unique events increased demand in the area. The first resulted from the actual or threatened contamination of private wells in the Wainscott area. The contamination emanating from areas near the East Hampton area. In 2018, SCWA initiated plans and completed construction of the installation of 45,000 feet of new water main in the hamlet of Wainscott in the Town of East Hampton and Village of East Hampton. SCWA established approximately 520 new connections under this Project with a projected additional 128 customers in the future.

Additionally, in 2020, the SCWA experienced increased demand on its system in the area caused by the large scale migration of individuals fleeing COVID hot spots to less densely populated and open areas including Suffolk County, especially to the North and South Forks of

Long Island, to socially distance and reduce the spread of the virus. As a result, SCWA observed a greater and more steady demand on the public water supply system beyond the peak summer period and through the “shoulder” seasons in early spring, late fall and now entering winter 2020/2021. The Project supports demand that exists on the water supply system in the post-COVID era and the expected continued increases in local and year-round consumption. See Exhibit B for a supplemental report prepared by SCWA addressing justification for the project.

B. Description of the Project

The Project, construction of a two million gallon concrete ground storage reservoir, will occur on approximately 2.83 acres of SCWA’s Town Line property (the “Project Site”), which contains approximately 30.8 acres. Exhibit A contains a site plan for the Project.

The reservoir will be 40 feet tall at its tallest element in the middle of its domed roof with a center venter. Ten feet of the structure will be underground. It has a wall height of 13 feet and a diameter of 130.6 feet. Its footprint contains approximately 13,503.9 square feet of area. Exhibit A contains a cross section of the reservoir.

A water main extension will be constructed from the east side, via the gun club driveway access from Daniels Hole Road. The water main will follow the northerly property boundary. No water main exists in Town Line Road.

C. Existing Conditions

SCWA’s Town Line Road property (the “Project Site”) is comprised of one 31 acre parcel located in the unincorporated hamlet of Wainscott, in the Town of East Hampton. The tax parcel is designated as Suffolk County Tax Map Number 300-180-1-8.9. It is in the Town of East Hampton PC (Parks and Conservation) Zoning District. The Project Site is located north of New York State Route 27, north of the Long Island Rail Road train tracks and East Hampton Airport, and west of Daniels Hole Road.

A wellfield, built in 2002, is accessible via a dirt road. It has a 1.28 acre footprint and contains water distribution facilities and structures including a chemical control and treatment building, three public water supply wells, and two blowoff basins.

The Project Site is generally flat with no significant steep or sloping topography. Exhibit C contains photographs of the Project Site. The site’s southern boundary adjoins a 200-foot wide scenic easement that also shares a boundary with the East Hampton Airport property.

Correspondence from the Natural Heritage Program (NHP), dated March 18, 2019, contains a Report on State Listed Animals and a Report on Rare Animals, Rare Plants, and Significant Natural Communities. The NHP reports the Northern Long-eared Bat (NLEB) (*Myotis septentrionalis*), a Federal and State-listed Threatened species, is documented within 1.25 miles of the Project Site. It lists that the site is a “non-winter location” for this species. It continues, “Individual animals may travel 1.5 miles from documented locations. The main

impact of concern is the cutting or removal of potential roost trees.” Exhibit D contains the NHP letter.

The ecological community present on the Project Site is a coastal oak-heath forest. The NHP reports, “This is a very large mature occurrence with several large intact cores lacking exotic plants and well recovered from historical cutting. The community is located in a forested landscape that is relatively large for the coastal region.” The report lists that the community is a “high quality occurrence of an uncommon community type.” The community’s State Conservation Status is classified as S3, which is ranked as a vulnerable community in New York State.

To characterize the site’s existing conditions and natural resources, five field inspections were performed including two in 2019, May 6 and 31, and three in 2020 including March 4, June 19 and September 17. Approximately 96 percent of the SCWA Town Line property is wooded. The habitat is composed of native hardwoods including white oak and scarlet oak. Pitch pine, hickory, sassafras, cherry, and American Holly are also present. The dense heath layer understory contains native shrubs including lowbush blueberry and huckleberry as well as intermittent stands of Mountain Laurel. Bracken fern and other fern species, flowering plants including native Solomon’s Seal, native herbaceous perennial plant Indian pipe, striped and common wintergreen, grasses including Pennsylvania Sedge, and a variety of fungi, mosses, and lichens are also present. Wildlife observed on site include avian and amphibian species. Avian species recorded include wild turkeys including a female and chick, woodpeckers and at least eight Baltimore Orioles. A spring peeper was observed in the leaf litter on the Project Site.

The NHP report states the “[n]atural communities are considered significant from a statewide perspective by the NY Natural Heritage Program. Each community is either an example of a community type that is rare in the state, or a high-quality example of a more common community type. By meeting specific, documented criteria, the NY Natural Heritage Program considers these community occurrences to have high ecological and conservation value.” NHP reports a high quality pitch pine oak forest is “Documented adjacent to and surrounding the eastern half of the project site.”

The NHP identifies other rare animals and significant natural communities documented at the Project Site, or in its vicinity. It states that the animals, while not listed by New York State as Endangered or Threatened, are rare in New York and are of conservation concern, including a State-listed species of Special Concern the Coastal Barrens Buckmoth (*Hemileuca maia* ssp. 5), and the Aureolaria Seed Borer (*Pyrrhia aurantiago*), whose State listing is Uncertain.

The SCWA acquired the parcel in 1992. In the conveyance deed, Schedule B, Section 4(d), the Covenants and Restrictions (C&Rs), dated July 15, 1992, state that development shall be accomplished in a manner that minimizes or avoids to the maximum extent practicable potential damage to plant and animal species. It lists four plant species: *Salix Tristis*, Lupine, Bicknell’s Panic Grass, and *Stipa Avarella*. Eastern Bluebird is the one animal species listed in the C&Rs. Research on the species habitat description and on-site inspections concluded none of the species were present and therefore, none will be adversely impacted.

On June 19, 2020, staff surveyed the Project Site to identify the species listed in the deed and to identify the potential presence or absence of species and habitats listed by the New York State Department of Environmental Conservation Natural Heritage Program (NHP) in the March 18, 2019 letter. An additional inspection was performed on September 17, 2020 to confirm the presence or absence of Federal and State-listed plant and animal species and ecological communities.

Eastern Bluebirds are expected to utilize the Airport property where meadow and open habitats exist surrounded by trees that offer suitable nest holes. Additionally, lupine is present in the dirt road right of way of Town Line Road, adjacent to the Airport property fenceline. No lupine was identified on the Project Site.

Other than adjoining open space lands, land uses in the vicinity of the SCWA Town Line property include the East Hampton Airport and low-density residential uses. The unincorporated hamlet of Wainscott is located more than one mile southeast of the site.

The Town Line property is situated among properties owned and managed by Suffolk County, the Town of Southampton, and the Town of East Hampton. Passive hiking trails available for public use traverse open spaces, except for the developed wellfield, which is enclosed by a chain link fence for security purposes.

III. Potential Environmental Impacts of the Project

A. Impacts to the Project Site

SCWA clusters the Project adjacent to its existing well field structures on the west side of the property, accessible directly to Town Line Road. Although the water main extension will be constructed from the east side, via the Maidstone Gun Club driveway access from Daniels Hole Road, the development is clustered on the west side of the site minimize fragmentation of the forest habitat on the property.

No change would occur directly to non-SCWA facilities off site, to adjacent properties, or to existing public open space. The character of the open space surrounding the Project Site would not be compromised or reduced in quality by the Project. The area was selected for its generally flat topography, which will reduce the amount of cut and fill activity including grading operations for the Project.

B. Impacts to Natural Resources

SCWA will adhere to regional guidance on protection of the NLEB and its habitat including avoiding tree clearing during seasonal windows.

SCWA will clear vegetation from 3.75 acres of the Project Site. An area of 0.85 acre will be reclaimed as natural area. After the Project, approximately 4.11 acres of the property will be developed with public water supply facilities, and approximately 84 percent of the property will be retained in its existing natural condition. A direct loss of an estimated 12% of the coastal oak

heath forest habitat will occur as a result of the Project. Aside from the existing well field developed on 1.28 acres (4%), the remainder of the site will continue to support flora and fauna characteristic of the coastal oak-heath forest ecological community. None of the plant species listed in the deed were present on the Project Site.

The NYSDEC's rules restrict clearing of forest trees within a quarter mile of known NLEB hibernacula and tree removal within 150 feet of a known occupied maternity roost tree during pup season April 1 through October 31. The site may serve as a potential nonwinter roost site providing suitable habitat for roosting NLEB in summer months. Since the Project Site would be considered suitable summer foraging habitat for this species, no tree clearing activities will occur when NLEB may be present.

No large stands of scrub oak, habitat of the coastal barrens buckmoth, are present on the Project Site. Therefore, the Project is not likely to adversely impact this species or local populations of this species.

C. Impacts to Historic and Cultural Resources

Correspondence from New York State Office of Parks, Recreation, and Historic Preservation (OPRHP) dated March 8, 2019 states no impacts will occur on historic or cultural resources as a result of the Project. See Exhibit D for the OPRHP letter.

D. Impacts to Visual Resources

The Project is not expected to adversely alter the visual character of the area. The tallest elements in the immediate area are large trees that exist on the south side of the Project Site. The Project may be visible from the northerly adjacent gun club, leased and owned by the Town of East Hampton. However, the well field and gun club, both nonresidential uses, are not incompatible with each other. Moreover, the gun club is north of the site and its shooting facilities face in a northerly direction. The reservoir's color will be sand colored to visually blend into the existing environment and setting. The visual appearance of the Project will not substantially alter the setting in which the Project Site is situated, will not be significantly out of contrast of the current condition, and views of the Project will not result in significant adverse environmental impacts.

Other than passive hiking activity on public lands, public views of the Project are not expected by routine daily travel by residents and others.

E. County of Monroe v. City of Rochester Analysis

Under the balancing of public interests approach adopted by the New York Court of Appeals in Matter of the County of Monroe v. City of Rochester (72 N.Y.2d 338 (1988)) if proposed SCWA activities are consistent with SCWA's legislative purpose and are in furtherance of SCWA's essential governmental function of operating a public water supply system, SCWA need not receive land use approval from the Town prior to undertaking the activities.

When a public benefit corporation proposes a project the balancing of interests approach established in *Monroe* is utilized to determine whether the public benefit corporation must receive local land use approval for the project. “This balancing approach subjects the encroaching governmental unit in the first instance, in the absence of an expression of the contrary legislative intent, to the zoning requirements of the host governmental unit where the extraterritorial land use would be employed.” (*Monroe* at 343 (citations omitted)). The *Monroe* factors are then weighed to determine whether subjecting the encroaching governmental unit would unnecessarily restrict the encroaching unit from performing its statutory duties. If so, the public benefit corporation’s proposal is free of the land use oversight of the host governmental unit. The Court did not specify which entity is responsible for applying the approach. In Incorporated Vil. Of Munsey Park v. Manhasset-Lakeville Water District, the Second Department approved of a Water District’s review of the balancing approach to determine that the District’s proposed construction of a replacement elevated water tank was “immune” from a Village’s zoning regulations and review. (150 AD3d 969, 2017). Thus by extension, SCWA can apply the *Monroe* factors to determine whether it must apply to the Town for local land use approval of the proposed ground level water storage facility.

SCWA is a New York State public benefit corporation pursuant to Title 4 of Article 5 of the New York State Public Authorities Law (PAL). Moreover, pursuant to its governing legislation, SCWA and the “carrying out of its powers, purposes and duties are in all respects for the benefit of the people of the county of Suffolk and the state of New York, for the improvement of their health, welfare and prosperity and that the said purposes are public purposes and that the [SCWA] is and will be performing an essential governmental function in the exercise of the powers conferred upon it by [title 4].” PAL §1077.

To further its essential governmental function, SCWA has the power and duty to “construct, develop and operate any water supply system, water distribution system, including plants, works, instrumentalities, or parts thereof, and appurtenances thereto, . . . , pumping stations and equipment, or any other property incidental to or included in such system or part thereof within the county of Suffolk, . . . , and to own and operate, maintain, repair, improve, reconstruct, enlarge and extend, subject to the provisions of [title 4] any of its properties acquired or constructed under this title, all of which, together with the acquisition of such properties are hereby declared to be public purposes. (PAL §1078).

East Hampton defines a public utility as a “governmental or privately owned . . . water well or pump house; water tank; water ... treatment plant . . . for the distribution or supply to East Hampton residents of utility-type . . . services.” Such uses are permitted on parcels within the Park and Conservation District upon a grant of a special permit if the “public safety or convenience will be served [and] placement of the use in the Park and Conservation District is the only feasible location for the use.” (East Hampton Code §255-5-45(B)(3)). Application of the *Monroe* standards determines whether SCWA must apply for such special permit.

SCWA operates a public water supply and distribution system that provides potable water to its customers in portions of the Town. A water supply facility is located on Town Line Road in the hamlet of Wainscott on a SCWA owned parcel in the Town’s Park and Conservation

zoning district. Currently, the site is developed with three wells, a chemical treatment building and associated infrastructure.

SCWA acquired the property in 1992 and developed the well field facilities and placed them into service in 2002. The deed provided that the parcel's use was for "production, treatment, distribution and storage of water, together with the storage of materials, equipment and facilities directly in furtherance of the production, treatment, distribution and storage of water."

The proposed ground level storage reservoir is a structure necessary for the public safety or convenience of the Town because it allows SCWA to store water on the site and to serve this zone. Its primary purpose is to enhance SCWA's "distribution or delivery of utility service to some or all of the residents of East Hampton." (East Hampton Code §255-5-50). As further noted in the Supplemental Report, a ground storage reservoir at Town Line Road will remedy the episodic deficit conditions SCWA experiences in East Hampton when demand for public water approaches the combined SCWA storage and pumpage capacity.

Town Line was chosen as the site for the ground level storage facility to meet peak demand consumption. The well field is large enough for this ground storage tank. It contains a relatively flat area that is close to existing infrastructure and will require a relatively small amount of clearing.

Application of the factors identified in *Monroe* provides the framework for determining whether SCWA must apply to the Town for permission to undertake the Project or if so doing would be inconsistent with the exercise of the SCWA legislative responsibilities. The factors to be applied are (1) the nature and scope of the instrumentality seeking immunity, (2) the kind of land use involved, (3) the extent of the public interest to be served thereby, (4) the effect local land use regulation would have upon the enterprise concerned, (5) the impact that requiring SCWA obtain Town approval will have upon legitimate public interests, (6) SCWA's legislative grant of authority, (7) alternative locations for the facility in less restrictive zoning areas, and (8) alternative methods of providing the facility, must be analyzed. The Court of Appeals identified two additional "important" factors to consider in applying the *Monroe* test which are the intergovernmental participation in the development process and the ability of the public to be heard on the Project. Lastly it noted that one factor could be more influential than another or "may be so significant as to completely overshadow" the other elements. (*Monroe* at 343).

Applying the factors set down by the Court indicates that SCWA need not apply to the Town for permission and the Project is "immune" from the Town's local law for the following reasons. First, SCWA's purpose is to develop a public water supply and distribution system for the residents of Suffolk County. The "carrying out of [the SCWA's] powers, purposes and duties are in all respects for the benefit of the people of the county of Suffolk, and the state of New York, for the improvement of their health, welfare and prosperity and that the said purposes are public purposes and that the authority is and will be performing an essential governmental function in the exercise of the powers conferred upon it by this title." (PAL §1077(3)). SCWA engineers have determined that the SCWA's East Hampton system requires the Project to continue to adequately serve the SCWA's customers in East Hampton.

Second, development of the Project may be authorized by special permit. In considering whether to grant a special permit the Town must specifically find and determine that: the proposed use will be in harmony and promote the general purposes of the Town's zoning code, the lot area is sufficient, appropriate and adequate for the use, and any reasonably anticipated operation and expansion, the use will not prevent the orderly and reasonable use of the adjacent property, particularly if they are in a different district, whether the site of the proposed use is a suitable one and if the proposed use will be compatible with its surroundings and with the character of the neighborhood and of the community in general, particularly with regard to visibility, scale and overall appearance, whether the special use would be unsuitability near to a church, school, theater, recreational area or other place of public assembly, whether the use conforms to the definition of a special use in the Town Code, whether the site can adequately carry the estimated traffic associated with the use to avoid traffic congestion and entrances and exits are clearly visible and not within 75 feet of a street intersection, whether there is adequate parking for the use, that adequate buffering and screening can and will be provided to protect adjacent properties from detrimental impacts, that runoff and waste generated by the use will be properly captured and disposed of, that the use will not cause an undue disturbance or disruption of important nature features, systems or processes and without significant negative impact to ground or surface waters, the use will comply with other provisions of the Town Code and conform with the general standards for special permit uses in a particular district and provides the specific safeguards required for the use. (East Hampton Code §255-5-40).

Analysis of the special permit considerations reveals that the Project is consistent with them. SCWA proposes to construct the tank on its property that is already developed with public water supply facilities. Developing a water tank on the property will be consistent with its existing uses and not introduce a new use into an area without public water facilities. The use is to promote the general purposes of the Town's zoning code in keeping like uses together. The project site contains 30.8 acres. The proposed facility will fully comply with all of the deed restrictions. No change in the character or intensity of use of the site will occur since after construction the use will not generate or require any additional vehicle trips. SCWA personnel currently visit the site daily, this will not change after the tank is placed in service.

Depictions of the proposed construction indicate that the tank will be visible from the adjacent property and perhaps from Town Line Road. However, it is anticipated that as the screenings mature the tank will become less visible from adjacent properties. The use will not be unsuitability near a church, school, theater, recreational area or other public assembly. It is adjacent to a gun club, but more than 0.8 mile from other public (tennis) recreational facilities. By co-locating the use on the existing well field, there will be no change in this type of impact as both uses, the pump station facilities and the proposed tank, conform to the special use definition. There will be no traffic impacts or parking needs because the use will not generate any additional vehicle trips. No waste will be generated and all runoff will be captured and recharged on site. Natural systems and features will not be significantly impacted.

To minimize the impacts to the surrounding neighborhood, the tank will be partially buried to reduce the visible height. It will be 29 feet at its peak above ground, which is below the 30 foot height limit of structures pursuant to the Town Code. It will have a domed roof. The tank

will cover less than 1% of the Project Site. It will be painted a sand color designed to blend in the surrounding environment. There will be no antennas on the reservoir. As a means of further harmonizing the Project with the “appearance” and “character” of the community and the neighborhood, the SCWA will construct 10 feet of the 39 foot tall reservoir below ground. No new noise impacts are anticipated from the Project.

Analyzing the third Monroe element, indicates that the Project will foster the public interest in several ways: first, the new reservoir will provide added capacity to the SCWA public water distribution system that will be available for fire protection purposes, and the extra capacity will also provide the SCWA the ability to meet periods of peak demand in the South Fork Low system while maintaining adequate fire pressure. The reservoir will support the post-COVID demands on SCWA public water supply facilities and continued service in Wainscott advanced by the water main project in 2018 as a result of contamination in the surrounding area.

Fourth, given that the Project is consistent with the Town’s standards, subjecting the SCWA to the Town’s review process will have nominal effect on the enterprise concerned since it is likely that the Town would approve the Project. Subjecting the SCWA to the Town’s review processes when the SCWA proposes to undertake activities expressly related to its purpose of supplying water to the customers throughout the County, including the residents of the Town, is inconsistent with the SCWA’s “essential governmental function” and could create impediments hindering the SCWA from performing its statutory obligations.

There are 10 towns and 33 villages in Suffolk County. Requiring the SCWA to obtain local land use approval for every one of its actions could unnecessarily restrict and constrain SCWA in performing its statutory duties. In this instance, such review is unwarranted because SCWA has designed the Project to comply, to the extent practicable, with the Town’s standards.

Fifth, development of the Project will have minimal impact on legitimate public interests advanced by the Code’s provisions given its consistency, to the extent practicable, with the standards in the Town Code. The public interest to be served by the Project is the provision of potable water to the residents of East Hampton served by SCWA. Subjecting the Project to Town review to determine consistency with the Town Code will not advance this public interest given that the Code expressly permits the Project by issuance of a special permit. Determining whether the Project protects and promotes the appearance and character of the community is a legitimate Town concern, but, in designing the Project, the SCWA has taken these factors into consideration and selected from a range of alternatives, the one that most efficiently achieves these goals.

Sixth, SCWA has wide ranging powers and duties to perform its essential governmental purpose. (PAL §1078). These powers and duties include, the power and duty to “construct, develop and operate any water supply system, water distribution system, including plants, works, instrumentalities, or parts thereof, and appurtenances thereto, . . . , pumping stations and equipment.” SCWA may also do “all things necessary or convenient to carry out the powers expressly given or necessarily implied” by its authorizing act. (PAL §1078). Implicit within the power to operate a water supply system is the right to develop water tanks and pumps.

Monroe's seventh factor is to determine whether the proposed use can be constructed in a less restrictive zoning area in the Town. Public utilities on lands within the Parks and Conservation District require a special permit no matter the location, unless as in this instance, the Monroe factor analysis indicates that the proposed activity is exempt from Town review. This site was selected by SCWA because of its remote location, its proximity to Wainscott, its size allows development of the reservoir, and it allows the reservoir to be collocated with an existing SCWA wellfield and pump station.

Eighth, the Supplemental Report analyzes a range of options prior to selecting the components of Project. This design was chosen because it provides the required water capacity while minimizing the impacts to the surrounding area.

Analysis of the two additional "important" factors identified by the Court in Monroe also supports SCWA determination that the Project is immune from local review. Intergovernmental participation in the review of the Project occurred in two ways. First SCWA coordinated its SEQRA review of the Project with Suffolk County Department of Health Services as the Department must approve the storage facility design. Second, SCWA shared with the Town a copy of the LEAF with the Town prior to the public hearing on the Project. This allowed the Town to review and provide guidance on the proposal.

SCWA will hold a hearing on the project to receive public input, notwithstanding that the total height above grade is less than 30 feet. Public notice will be published in accordance with PAL §1078. The hearing will be noticed in accordance the requirements in the PAL. Notice will be also be posted on SCWA's website along with copies of the LEAF. Comments received at the public hearing will be considered by SCWA as part of its review of the project.

The Monroe factors indicate that the proposed Project is within SCWA's statutory authority for the express purpose of performing its essential governmental function. In sum, the Project does not materially conflict with the Town's officially adopted plans or goals and is immune from the Town of East Hampton's local laws.

IV. Alternatives

Alternatives considered for the Project include the No Action Alternative and an On-Site Location Alternative. The supplemental report in Exhibit B contains an expanded discussion on the alternatives analysis.

A. No Action Alternative

In the No Action Alternative, the storage reservoir would not be constructed. The No Action Alternative would not accomplish the goal to provide storage capacity of public water in the western end of the South Fork Low pressure zone to ensure reliability and resiliency in the water supply system and meet customer demand particularly during peak periods. The Project accomplishes the goal to achieve optimal operations and provide reliable public water service to communities, providing an extra degree of redundancy that will help make the South Fork Low pressure zone more resilient during emergency situations, firefighting operations or power

failures. In the No Action Alternative, SCWA reduces efficiency and reliability to meet its operating objectives to provide reliable public water service.

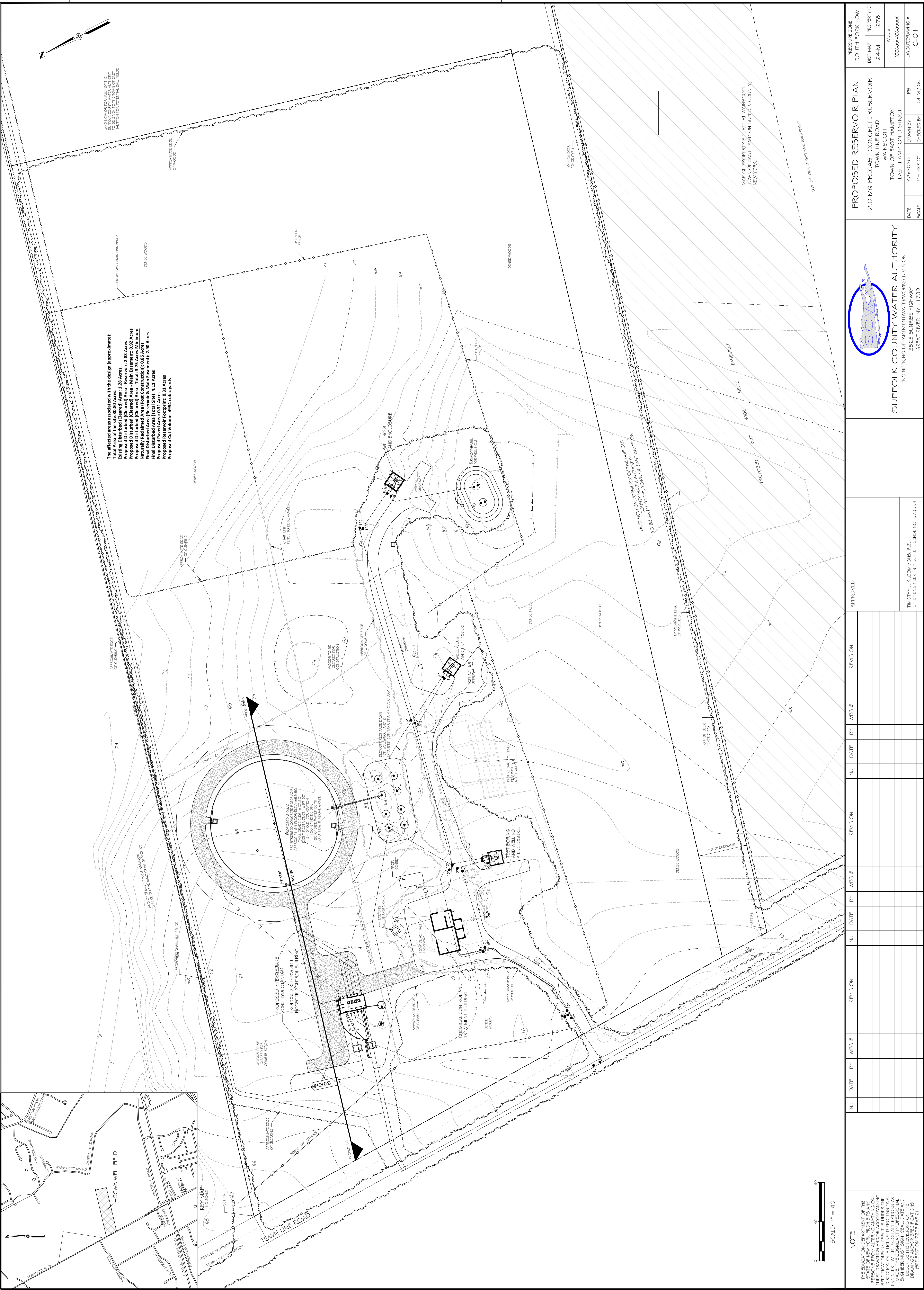
The No Action Alternative does not realize the current and long-term demands on SCWA facilities that emerged in the post-COVID response and service to 520 customers through the Wainscott water main installation project with an additional projected 128 customers in the future. Therefore, the No Action Alternative is not a viable alternative.

B. On-Site Location Alternative

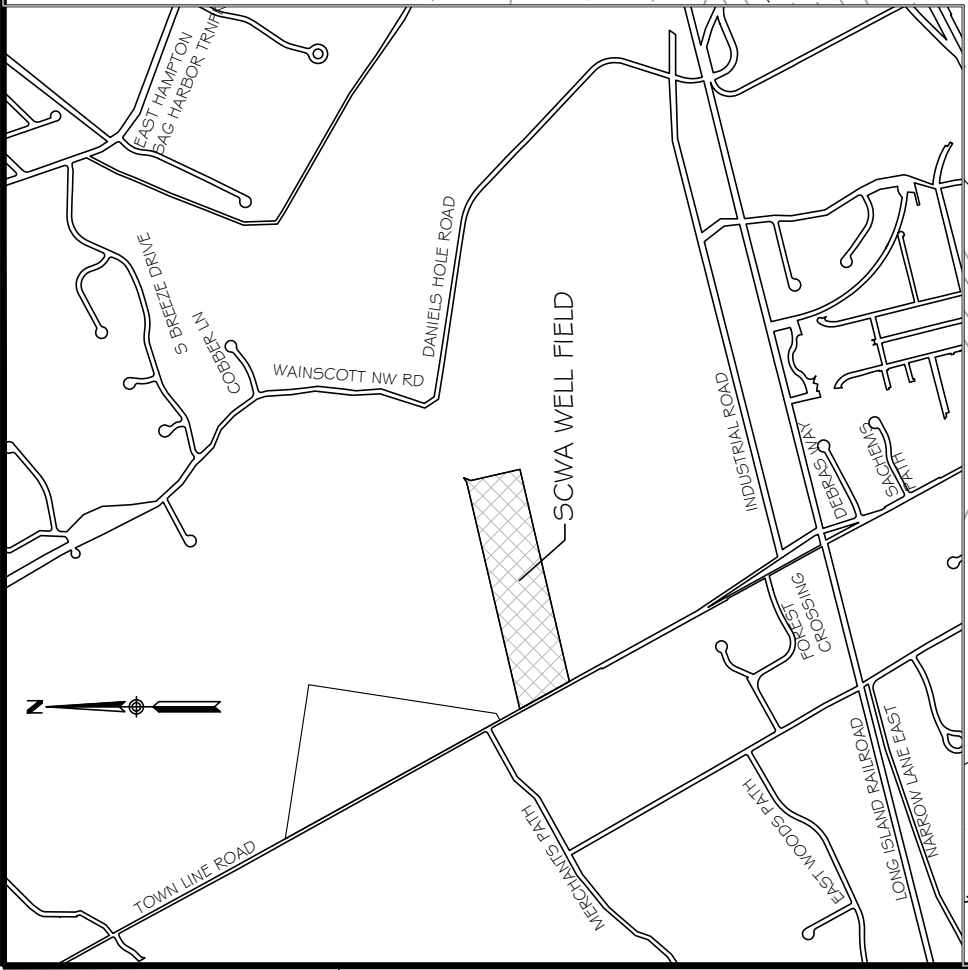
A potential alternative on site location was reviewed in the northeast corner of the site. However, the deed dictated the location of facilities in the northwest corner. Moreover, placing facilities in the northwesterly portion of the site achieves greater clustering, is a more efficient use of space, results in less paved area compared to sprawling uses in an unclustered pattern, reduces habitat fragmentation and infrastructure extensions since the preferred location is more directly accessible to Town Line Road, is less visible from the closest developed use of the gun club, and minimizes cut and fill during construction since the preferred location has more uniformly flat topographic features. The northeast corner contains slightly more undulating topographic features. Although hikers may use Town Line Road and have direct view of the storage reservoir, cars also travel on this unpaved, dirt road. Therefore, it is not a pristine corridor.

The alternative site may have resulted in potential adverse impacts to environmental subjects including ecological habitat, flora and fauna, soils, natural topographic features, and fragmentation habitat. Therefore, the alternative on site location was determined to be the less preferred location for the Project.

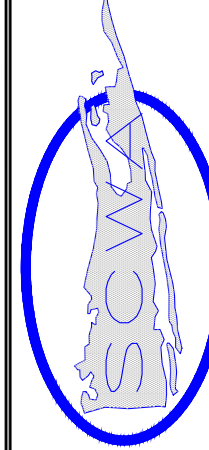
Exhibit A



The affected area associated with the design (approximate):
Total Area of the site: 30.80 Acres
Existing Disturbed (Cleared) Area: 1.28 Acres
Proposed Disturbed (Cleared) Area - Reservoir: 2.83 Acres
Proposed Disturbed (Cleared) Area - Buildings: 0.31 Acres
Proposed Disturbed (Cleared) Area - Total: 3.75 Acres Minimum
Naturally Reclaimed Area (Post Construction): 0.85 Acres
Final Disturbed Area (Reservoir & Main Easement): 2.90 Acres
Proposed Paved Area: 0.31 Acres
Proposed Paved Area: 0.31 Acres
Proposed Reservoir Footprint: 0.31 Acres
Proposed Cut Volume: 8954 cubic yards



<p>LAND NOW OR FORMERLY OF THE TOWN OF EAST HAMPTON TO BE GIVEN TO THE TOWN OF EAST HAMPTON FOR POTENTIAL BALL FIELDS</p> <p>APPROXIMATE EDGE OF WOODS</p> <p>(10 FOOT DEER FENCE (NY))</p> <p>MAP OF PROPERTY SITE AT WAINSCOTT TOWN OF EAST HAMPTON SUFFOLK COUNTY, NEW YORK</p> <p>LAND OF TOWN OF EAST HAMPTON REPORT</p>					PRESSURE ZONE SOUTH FORK LOW	
PROPOSED RESERVOIR PLAN 2.0 MG PRECAST CONCRETE RESERVOIR TOWN LINE ROAD WAINSCOTT TOWN OF EAST HAMPTON EAST HAMPTON DISTRICT			DIST MAP 24-M	PROPERTY ID 278	WBS # XXX-XX-XX-XXXX	
DATE 4/8/2020	DRAWN BY PS	CHECKED BY SHM / GC	LAYOUT/DRAWING # C-01			



SUFFOLK COUNTY WATER AUTHORITY
ENGINEERING DEPARTMENT/WATERWORKS DIVISION
3525 SURPRISE HIGHWAY
GREAT RIVER, NY 11739

MAP OF PROPERTY SITUATE AT WAINSCOTT
TOWN OF EAST HAMPTON SUFFOLK COUNTY,
NEW YORK

LAND NOW OR FORMERLY OF THE SUFFOLK
COUNTY WATER AUTHORITY
TO BE GIVEN TO THE TOWN OF EAST HAMPTON

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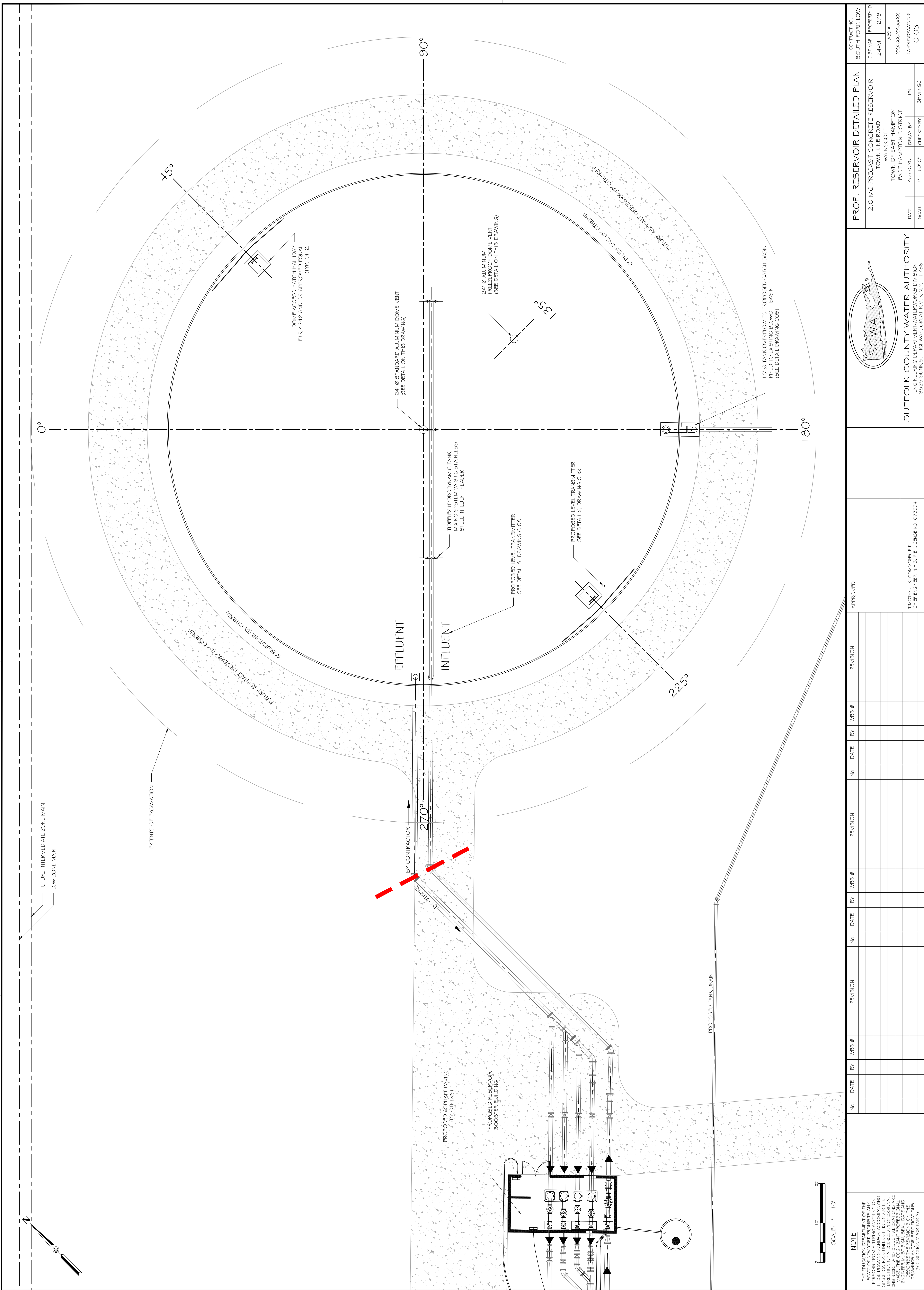
LAND NOW OR FORMERLY OF THE SUFFOLK
COUNTY WATER AUTHORITY
TO BE GIVEN TO THE TOWN OF EAST HAMPTON

NOTE

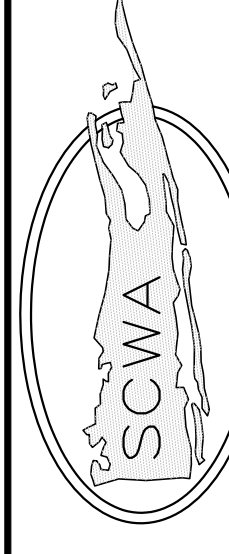
THE EDUCATION DEPARTMENT OF THE
SUFFOLK COUNTY WATER AUTHORITY
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FOR OBTAINING ALL NECESSARY PERMITS AND
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AGENCIES. (SEE SECTION 7203 PAR 2)

1"= 40'

0 40 80



NOTE										APPROVED										PROP. RESERVOIR DETAILED PLAN				CONTRACT NO.	
THE EDUCATION DEPARTMENT OF THE STATE OF NEW YORK HAS REVIEWED THESE DRAWINGS AND/OR ACCOMPANYING SPECIFICATIONS AND FINDS THAT THEY COMPLY WITH THE REQUIREMENTS OF THE ENGINEER, WHERE SUCH ALTERATIONS ARE NECESSARY TO BRING THEM INTO CONFORMANCE WITH THE REQUIREMENTS OF THE ENGINEER. MUST SIGN, SEAL DATE AND DESCRIBE THE REVISIONS ON THE DRAWING. (SEE SECTION 7209.1.6.2)																				2.0 MG PRECAST CONCRETE RESERVOIR		SOUTH FORK LOW		CONTRACT NO.	
																				TOWN LINE ROAD		DIST. MAP		PROPERTY ID	
																				WAINSCOTT		24-M		275	
																				EAST HAMPTON DISTRICT		DATE		WEB #	
																				TOWN OF EAST HAMPTON		4/7/2020		XXX-XX-XX-XXXX	
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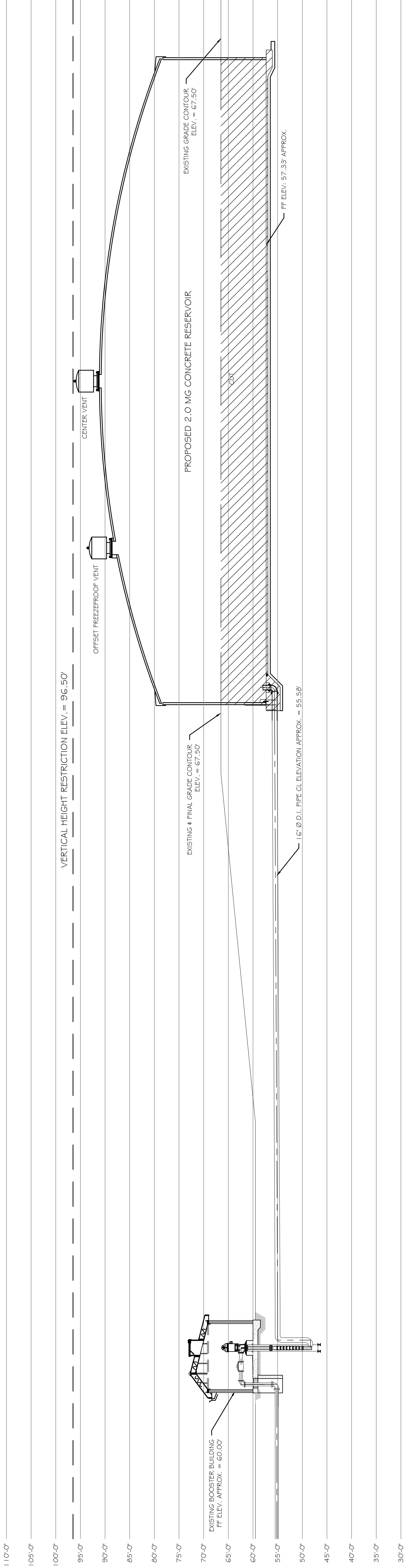


SUFFOLK COUNTY WATER AUTHORITY
ENGINEERING DEPARTMENT/WATERWORKS DIVISION
3525 SUNRISE HIGHWAY, GREAT RIVER, N.Y. 11739

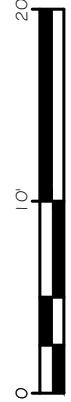
DATE: 4/7/2020
DRAWN BY: P5
CHECKED BY: SIN / GC

2.0 MG PRECAST CONCRETE RESERVOIR
TOWN LINE ROAD
WAINSCOTT
TOWN OF EAST HAMPTON
EAST HAMPTON DISTRICT

CONTRACT NO. SOUTH FORK LOW
DIST. MAP 24-M
PROPERTY ID 275
WEB # XXX-XX-XX-XXXX
LAYOUT/DRAWING # C-03



PROPOSED 2.0 MG CONCRETE RESERVOIR PROFILE WITH EXISTING BOOSTER BUILDING



SCALE: 1" = 10'

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AND EXPIRATION DATE OF THE LICENSE (SEE SECTION 72.09 PAR 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1.	Seasonal Peak Demand	2
2.	Fire Flows.....	2
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A.	Population	12
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A. Establishment of Need

1. Seasonal Peak Demand

The hot dry weather experienced throughout the region during the summer of 2010 resulted in record water use throughout Suffolk County. The East Hampton area was particularly prone to low pressure problems, so additional capacity is necessary to help meet the current and future water demand in the area. This problem is exacerbated by the huge seasonal population influx. Existing facilities that make up the South Fork Low water supply system is shown in Table 1 and Table 2 shows water demand for the South Fork Low water supply system from 2015 to 2019. Table 3 provides data for future peak demand calculations. The analysis shown in Table 2 and Table 3 describes the current and estimated 2024 population in the South Fork service area, and the predicted corresponding upward water services trend. The additional capacity and pressure from the reservoir are an attempt by Suffolk County Water Authority (SCWA) to deliver quality water to the existing population of the area and to intercede proactively to prevent any water supply emergency in the future.

Two unique events increased demand in the area. The first resulted from the actual or threatened contamination of private wells in the Wainscott area. The contamination emanating from areas near the East Hampton area. In 2018, SCWA initiated plans and completed construction of the installation of 45,000 feet of new water main in the hamlet of Wainscott in the Town of East Hampton and Village of East Hampton. SCWA established approximately 520 new connections under this Project with an additional 128 customers in the future.

Additionally, in 2020, the SCWA experienced increased demand on its system in the area caused by the large scale migration of individuals fleeing COVID hot spots to less densely populated and open areas including Suffolk County, especially to the North and South Forks of Long Island, to socially distance and reduce the spread of the virus. As a result, SCWA observed a greater and more steady demand on the public water supply system beyond the peak summer period and through the “shoulder” seasons in early spring, late fall and now entering winter 2020/2021. The Project supports demand that exists on the water supply system in the post-COVID era and the expected continued increases in local and year-round consumption.

2. Fire Flows

Prudent engineering practice is to provide a minimum of 1,500 GPM available to fight fire for residential customers and business requirements are typically higher. The proposed reservoir would tie into the existing SCWA distribution system and improve water availability for fire flow protection in the area. As previously mentioned, the record high water demand experienced during the summer of 2010, and the low distribution system pressure that occurred indicates additional water supply is needed to ensure adequate water is available to serve both domestic and fire protection needs. The added capacity of the reservoir will bring additional fire flow protection to the immediate area of the Town Line Road well field.

3. Replacement of Lost Capacity

While no major losses in capacity have occurred to date within this water supply area, the age of some wells is cause for concern. The SCWA is updating the existing infrastructure. Of the 58 wells within the South Fork Low water supply system only 16 were placed in service within the last 10 years. In contrast there are 18 wells in the water supply system that are more than 20 years old. These aging wells should not be considered as a reliable future source of water for the South Fork Low system since they are more susceptible to mechanical failure. The Authority will eventually replace all or some of these wells in addition to developing new facilities and water sources to maintain the stability of the South Fork Low system.

TABLE 1 - EXISTING FACILITIES: South Fork Low Water Supply System (Data as of November 2020)

WELLS	S#	WSA#	Decision		Depth	Aq.	Date		Authorized	
			Date	Dia.			In Service	Structure	Pump	Cap. (GPM)
Accabonac Rd 1	123717	10700	12/1/2004	20 x 14	163	G	3/22/06	Bldg.	DWT	1,000
Accabonac Rd 2	123718	10700	12/01/2004	20 x 14	153	G	3/22/06	Bldg.	DWT	1,000
Blank Ln 1	128774	10935	8/15/2006	12 x 10	118	G	10/13/11	Bldg.	SUB	350
Blank Ln 2	130299	10935	8/15/2006	12 x 10	118	G	8/10/11	Bldg.	SUB	350
Blank Ln 3	134150	10935	8/15/2006	12 x 10	118	G	6/28/16	Bldg.	SUB	350
Bridgehampton Rd 2A	83707	7557	1/23/1986	12	123	G	5/10/82	Vault	DWT	500
Bridgehampton Rd 3A	120485	10403	10/18/2002	20 x 14	120	G	10/3/03	Bldg.	DWT	1,020
Bridgehampton Rd 4	49422	6259	5/1/1973	16 x 12	148	G	7/2/74	Vault	DWT	700
Bridgehampton Rd 5A	131191	11553	1/10/2012	16 x 14	134	G	10/15/12	Bldg.	DWT	1,000
Cross Highway 1	30227	6532	5/1/1975	12	151	G	5/28/05	Bldg.	DWT	750
Cross Highway 2	30228	6748	5/5/1977	12	151	G	4/24/78	None	Sub	350
Division St. #1A	128139	11172	7/28/2008	20 x 14	163	G	5/27/09	Bldg.	DWT	500
Division St. #2A	132776	5722	2/24/2014	20 x 10	170	G	3/3/15	Bldg.	DWT	1,000
Division St. #3	62855	6733	4/18/1977	20 x 10	167	G	3/13/80	Vault	DWT	700
Division St. #4	96352	8253	8/1/1989	16 x 10	272	M	5/28/92	Vault	DWT	700
Edge of Woods Rd. #1	69511	7017	12/28/1979	20 x 10	268	M	5/10/82	Vault	DWT	1,000
Edge of Woods Rd. #2	71892	7156	8/17/1981	16 x 10	366	M	8/17/81	Vault	DWT	1,000
Edge of Woods Rd. #3	120091	10342	5/11/2004	20 x 14	258	M	8/12/02	Bldg.	DWT	1,000
EH Sag Harbor Tpke 1	102721	8789	1/19/1993	20 x 10	383	M	11/20/96	Bldg.	DWT	1,300
EH Sag Harbor Tpke 2	115545	9895	4/1/2000	20 x 10	293	M	1/26/01	Bldg.	DWT	1,300
EH Sag Harbor Tpke 3	135569	12460	10/1/2019	20 x 14	186	G	10/1/2019	Bldg.	DWT	1,388
Long Springs Rd. #1A	117831	10322	10/31/2002	20 x 14	100	G	3/18/02	Bldg.	DWT	800
Long Springs Rd. #3B	122603	10606	4/1/2004	20 x 14	99	G	2/18/05	Bldg.	DWT	500
Long Springs Rd. #4B	122602	10605	4/1/2004	20 x 14	108	G	2/18/05	Bldg.	DWT	500

Long Springs Rd. #5B	122601	10595	4/1/2004	20 x 14	99	G	2/18/05	Bldg	DWT	700
Long Springs Rd. #6	67819	6928	4/13/1979	16 x 10	284	M	6/26/80	Vault	DWT	700
Long Springs Rd. #7	112293	9584	11/20/1997	16	265	M	5/19/99	Bldg.	DWT	700
Lumber Lane #4A	131131	11549	10/14/2011	16 x 14	168	G	8/27/12	Bldg.	DWT	500
Lumber Lane #5	78612	8767	1985	12 x 8	250	M	5/15/92	Bldg.	DWT	1,000
Lumber Lane #6	123937	10712	3/17/2005	16	263	M	1/4/06	Bldg.	DWT	700
Lumber Lane #7	130044	11397	10/27/2010	16 x 14	263	M	7/13/11	Bldg.	DWT	1,000
N. Magee St. #1	74865	7318	8/22/1983	20 x 10	193	G	7/15/84	Vault	DWT	700
N. Magee St. #2	79293	7355	8/23/1983	16 x 12	158	G	7/18/86	Vault	DWT	1,000
N. Magee St. #3	115706	9967	4/5/2000	20 x 14	158	G	2000	Bldg.	DWT	1,000
N. Magee St #4	133926	11782	6/17/15	20 x14	209	G	6/16/16	Bldg	DWT	1,000
Oak View Highway 1A	99275	8621	4/16/1991	16 x 12	222	M	5/27/94	Bldg.	DWT	500
Oak View Highway 2A	119865	10327	5/01/2002	20 x 10	458	M	7/23/03	Bldg.	DWT	700
Oak View Highway 3	78310	7488	12/21/1984	16 x 12	303	M	8/27/86	Vault	DWT	500
Oak Highway 4	133799	11779	6/2/2015	20 x 10	226	G	7/5/16	Bldg.	DWT	500
Scuttle Hole Rd. # 1A	128458	11219	1/30/2009	20 x 10	458	M	12/1/09	Bldg.	DWT	1,000
Scuttle Hole Rd. #2	106977	9134	9/26/1994	20 x 10	480	M	5/1/97	Bldg.	DWT	1,300
Scuttle Hole Rd. #3	115975	9961	5/12/2000	20 x 10	453	M	7/6/02	Bldg.	DWT	1,300
Spring Close Hwy 1A	118818	10213	8/1/2001	20 x 14	125	G	7/6/02	Bldg.	DWT	1,000
Spring Close Hwy 2	66733	6844	8/29/1978	16 x 12	245	M	8/5/81	Vault	DWT	1,000
Spring Close Hwy 3	121048	10439	1/13/2002	20 x 14	128	G	12/3/03	Bldg.	DWT	1,300
Spring Close Hwy 4	134571	12207	3/28/2017	20 x 10	130	G	6/1/18	Bldg	DWT	500
Stephen Hands Path 1	135324	12396	5/5/2018	20 x 14	153	G	7/18/19	Bldg	DWT	650
Stephen Hands Path 2	135325	12396	5/5/2018	20 x 14	153	G	7/18/19	Bldg	DWT	650
Town Line Rd 1	118737	10398	1/9/2002	20 x 14	435	M	2003	Bldg.	DWT	1,000
Town Line Rd 2	120019	10398	1/9/2002	20 x 14	175	G	2003	Bldg.	DWT	1,000
Town Line Rd 3	130940	11506	6/23/2011	20 x 14	173	G	6/15/12	Bldg.	DWT	1,000
Tuckahoe Rd 1	25449	10218	1/15/2002	10	125	G	11/8/00	Bldg.	DWT	500
Tuckahoe Rd 2	31471	10218	1/15/2002	10	125	G	7/10/01	Pitless	SUB	500
W. Prospect St. #1	55028	6470	10/3/1974	10	160	G	4/30/76	Pitless	SUB	350
W. Prospect St. #2A	99014	8622	3/8/1991	12	252	M	5/25/94	Bldg.	DWT	350
W. Prospect St. #3	125974	10921	7/18/2006	12 x 10	158	G	8/1/07	Pitless	SUB	300
W. Prospect St. #4	125975	10921	7/18/2006	12 x 10	154	G	8/1/07	Pitless	SUB	300
W. Prospect St. #5	128475	11212	12/04/2008	12 x 10	153	G	8/12/09	Pitless	SUB	300
W. Prospect St. #6	131738	11596	7/20/2012	12 x 10	163	G	5/24/13	Pitless	SUB	300

CURRENT SYSTEM CAPACITY

44,858

TABLE 2 - PAST PEAK DEMAND DATA: South Fork Low

<u>Peak Demand, GPM</u>	<u>System Peak Rate (GPM)</u>				
	8/8/201 5	8/12/201 6	7/21/201 7	7/11/201 8	8/12/201 9
WELL FIELD PRODUCTION					
Accabonac Rd	1,387	1,302	1,913	1,883	1,933
Blank Ln	900	1229	1,221	1,166	1,231
Bridgehampton Rd	1,952	1,914	2,073	2,102	2,208
Cross Highway	590	547	444	591	467
Division St.	2,854	2,844	3,004	2,974	2,975
Edge of Woods Rd	2,646	2,562	2,808	2,773	2,907
Long Springs Rd	3,241	3,049	2,077	2,988	3,449
Lumber La	2,816	2,815	2,902	2,834	2,747
North Magee St	2,785	3,573	2,854	3,314	2,889
Oakview Highway	1,579	2,024	3,342	2,491	2,395
Sag Harbor Tpke	2,040	1,998	2,445	1,995	2,526
Scuttle Hole Rd	2,975	3,102	3,216	2,947	3,286
Stephen Hands Path					1,418
Spring Close Highway	3,457	2,882	2,769	2,265	3,325
Town Line Rd	2,492	2,436	2,687	2,525	2,670
Tuckahoe	731	879	883	829	896
West Prospect	2,072	2,071	1,910	2,078	2,050
<i>SUBTOTAL</i>	34,517	35,227	36,548	35,755	39,372
CONTRIBUTION FROM STORAGE					
Division St Standpipe	1,206	618	888	618	765
Edge of Woods Reservoir	1,410	1,923	1,410	1,282	1,282
Spring Close Highway Tank	1,146	1,042	1,458	1,458	625
West Prospect Elevated Tank	1,583	1,750	1,523	1,458	1,750
<i>SUBTOTAL</i>	5,345	5,333	5,279	5,279	4,422
TOTAL PEAK DEMAND, GPM	39,862	40,560	41,827	41,827	43,794

	2015	2016	2017	2018	2019
Number of SCWA Services					
South Fork Low	20,629	21,094	21,116	21,169	21,970
Peak Demand Rate per Service (GPM/Service)	8/8/2015	8/12/2016	7/21/2017	7/11/2018	8/12/2019
	1.93	1.92	1.98	1.98	1.99

TABLE 3 - FUTURE PEAK DEMAND : South Fork Low

	2020	2021	2022	2023	2024
Total. Projected - SCWA Services (assuming a .46% increase per year ESRI estimated annual rate of change)	22,560	22,664	22,768	22,873	22,978
Future Peak Demand Rate per Service Using Highest GPM/Service from Past 5-Years (Table 2 above)	1.99	1.99	1.99	1.99	1.99
Projected System Peak Demand Rate	44,894	45,101	45,308	45,517	45,726
Total system capacity (from Table 1)	44,858	44,858	44,858	44,858	44,858
Less fire flow	1,500	1,500	1,500	1,500	1,500
Difference	-1,536	-1,743	-1,950	-2,159	-2,368

2015 - 2020 Actual Services (Suffolk County Water Authority)

Other years assume .46% increase/year as per ESRI estimated annual rate change

An Increase/Decrease in the Number of Services is Due to Adjustments Made to Adjacent Pressure Zone Boundaries

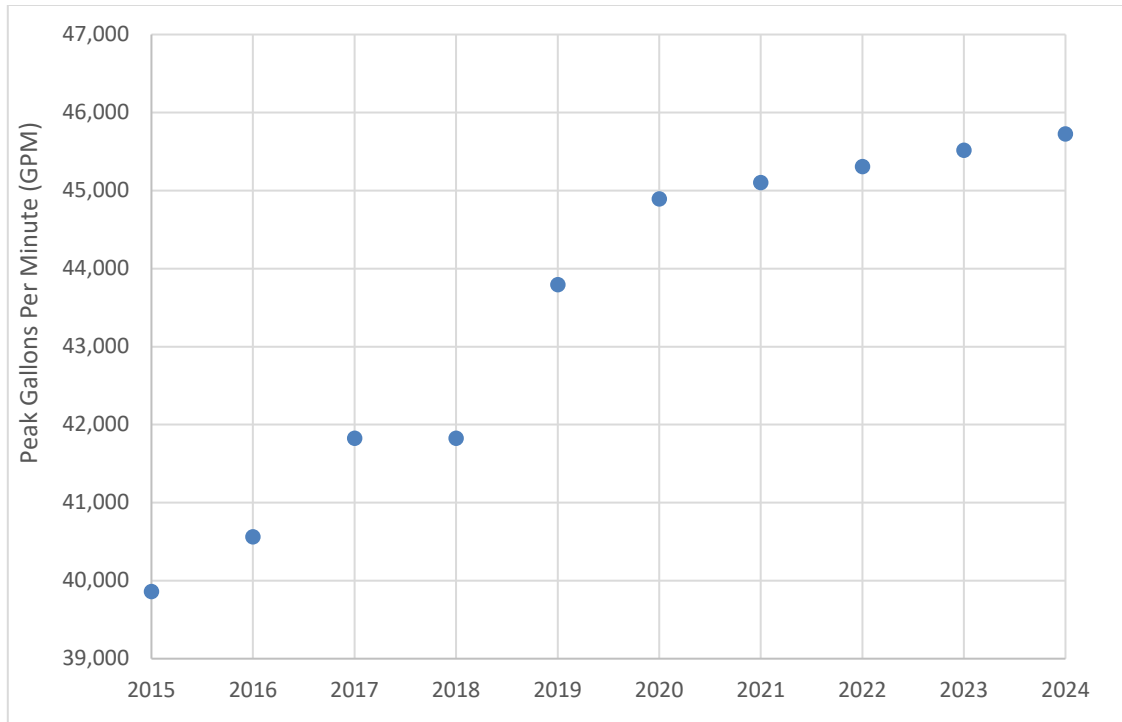


Figure 1- System Peak Demand Rate – South Fork Low

The following table is a list of the South Fork Low water supply system largest accounts for the period of January 1, 2019 through December 31, 2019.

Table 4
South Fork Low Largest Accounts

<u>Custom Name</u>	<u>Usage (gal.)</u>
RANDALL D SMITH	17,313,582.00
ST ANDREWS HOMEOWNERS ATTN: SANDRA M. BUDAY- ACCT	16,625,796.00
SOUTHAMPTON HOSPITAL ASSOCIATION	15,148,750.32
ICKENHAM LIMITED	14,850,492.80
BLUE TURTLES INC	13,392,192.00
COW NECK PRESERVE LLC	9,911,000.00
616 OXPASTURE LLC C/O KIM JOHNSON	9,832,534.80
ARTHUR KATZ	9,018,673.40
ERIC SEMLER	7,925,808.00
HELENE FELDMAN	7,800,443.20

The SCWA is making an effort to have customers reduce water use during peak periods throughout the East End of Suffolk (see Section III Alternatives to Proposed Action). The top 300 water users on the North and South Forks were contacted via mail, and it was recommended that they shift at least some of their discretionary water use (such as lawn irrigation) away from the peak hours of midnight to 6:00 AM. The goal of this effort is to reduce the peak pumpage by approximately 10% (which amounts to over 3,500 GPM), thereby lessening the need for capacity increases in the future. In addition, “odd-even” lawn watering and additional water saving incentives were suggested to all users on the East End. Similar peak water use reductions are anticipated because of their voluntary implementation.

4. Water Quality

Issues of water quality are a concern for the South Fork due to the historic agricultural land use of fertilizers and pesticides. These by-products would be affecting the upper Glacial aquifer and have impacted several well fields within the service area. In addition, the Suffolk County Department of Health Services confirmed the presence of PFOS and PFOA in private wells located south of the East Hampton Airport. Some of the collected samples levels exceed the United States Environmental Protection Agency Health Advisory Levels of 70 parts per trillion.

Spring Close Highway, West Prospect Street, Long Springs Road, North Magee, and Bridgehampton Road well fields utilize Granular Activated Carbon adsorption systems (see Figure 2). The SCWA has the experience and means to employ a multitude of measures and technologies that can be utilized to address water quality issues that may impact well fields in the future.



Figure 2 - Map of Well Fields with Usage of Remediation/Filtration Equipment in the South Fork Low Supply System

5. Resilience and Redundancy

Expanding water storage in East Hampton will greatly improve service redundancy by improving the pressure in the distribution system in the immediate area. The improvement will allow the SCWA to maintain water pressure more easily to areas in need especially during extended periods of power outages where only pump stations with auxiliary power provide the system with water and pressure. Table 5 shows those locations where standby generators are present.

Future physical climate risk due to sea-level rise, storm surge, and/or flooding was taken into consideration. The Town Line well field is not located in a designation flood zone (see Figure 3 Flood Insurance Rate Map 36103C0354H). However, if portions of the Town Line Road well field or surrounding distribution system were damaged by flooding the SCWA has the capability to isolate broken infrastructure and repair or retire system components as needed.

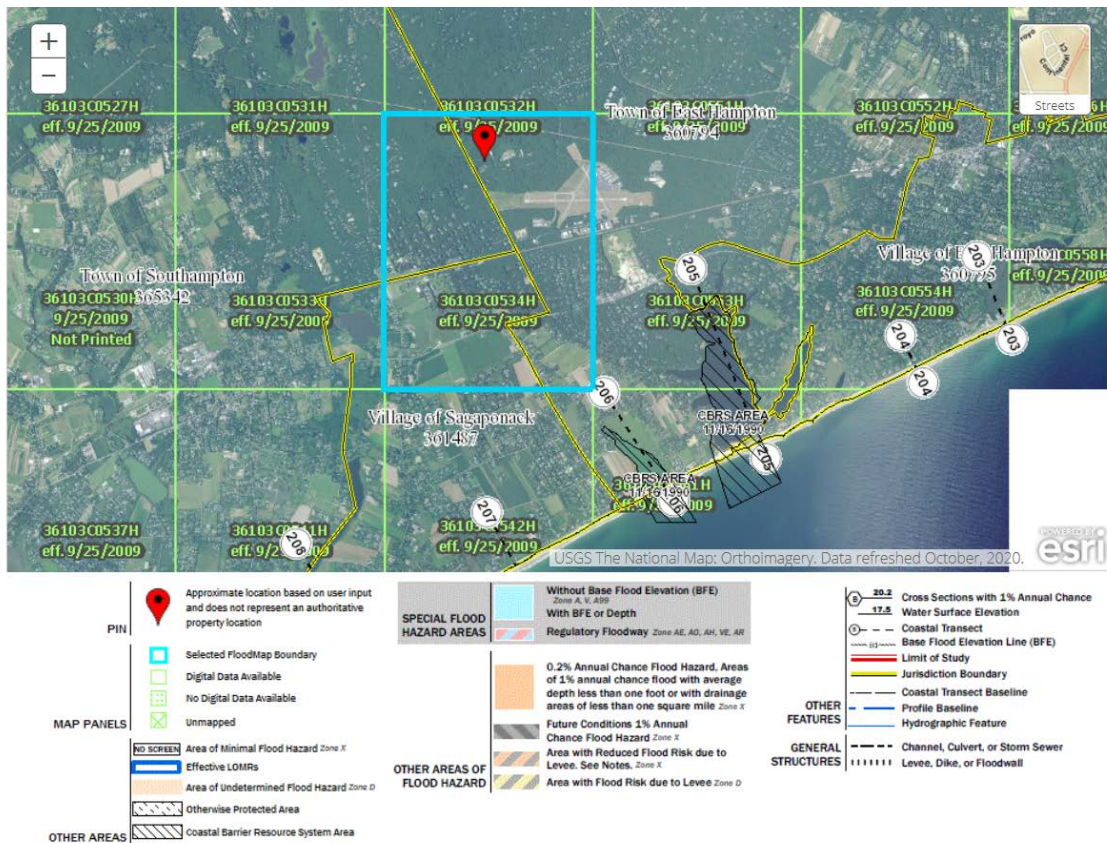


Figure 3 - Flood Insurance Rate Map 36103C0534H

Table 5**Stand-by Power in the Service Area**

STATION	AVAILABLE PUMPS	# OF WELLS GENERATOR WILL OPERATE	# OF WELLS AVAILABLE ON GENERATOR
BRIDGEHAMPTON RD	ALL	4	4
DIVISION ST	ALL	4	4
EDGE OF WOODS RD	ANY 2	2 + 3 BSTRS	3 + 3 BSTRS
LONG SPRINGS RD	ANY 4	4	6
LUMBER LANE STATION	ALL	4 + 1 BSTR	4 + 1 BSTR
OAKVIEW HY	ALL	4	4
ROSES GROVE RD	ALL	2	2
SCUTTLEHOLE RD	ALL	3 + 2 BSTR	3 + 3 BSTR
SPRING CLOSE HWY	ALL	3	4
WEST PROSPECT ST	ALL	6	6

II. GROWTH-INDUCING ASPECTS

A. Population

The Authority has been studying the population of its water supply systems since 1987, when the Suffolk County Department of Planning (SCDP) compiled its first report. Since that time, the boundaries of some SCWA systems have changed, and the population growth in Suffolk County has leveled off.

The data shown in Figure 4 is from Esri's 2018 Updated Demographic estimates using Census 2010 geographies. The map layer shows the estimated annual growth rate of population in the water supply system from 2018 to 2023 in a multiscale map by country, state, county, ZIP Code, tract, and block group. The current population in the South Fork Low water supply system is 22,123 and is estimated to be 22,696 in 2023. The estimated annual rate of change is .46%. Additionally, rural areas not currently served by public water are expected to hook up as service becomes available, resulting in an increase in overall percentage of total population supplied by public water. As mentioned above Table 2 shows the past peak demand pumpage for the South Fork Low water supply system, and Table 3 shows the anticipated future peak demand with the increase in net percentage accounted for.

The pop-up is configured to include the following information for each geography level:

- 2000 total population
- 2010 total population
- 2018 total population
- 2023 total population estimate
- 2018-2023 annual projected population growth rate

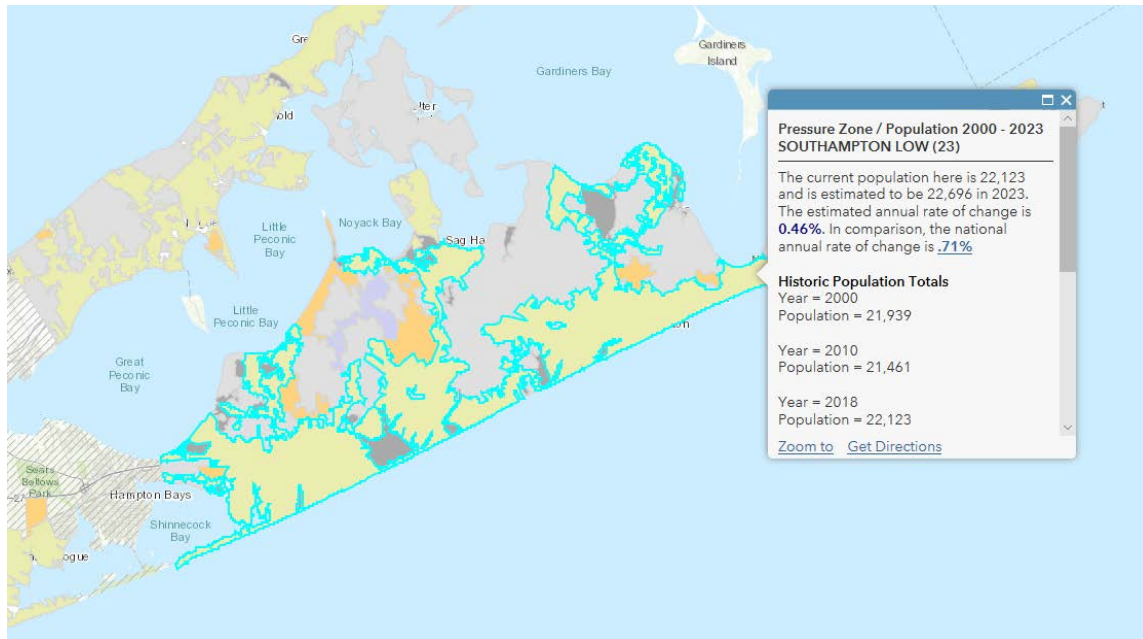


Figure 4 - Population in the South Fork Low Water Supply System

1. Expansion of Service - Wainscott Water Supply Area

The Town of East Hampton has created the Wainscott Water Supply Area that includes 512 potential new customers. The Wainscott Water Supply Area is the hamlet of Wainscott, in the Town of East Hampton, south of East Hampton Airport. The SCWA is in the process of installing approximately 45,000 feet of new water main throughout the Wainscott Water Supply Area for purposes of supplying public water to existing homes and businesses with private wells in this area that are threatened by contamination from perfluorinated chemicals (PFOS, PFOA). PFOS and PFOA have been found in several private wells in the Wainscott area, in some cases at concentrations above health advisory levels. To serve the impacted homes and businesses it will be necessary to extend the existing public water supply system of water mains into these areas. The Wainscott Water Supply Area is several miles to the west of the proposed Town Line Road reservoir location and additional well fields are being constructed in order to meet the demand that will result from the connection of these new customers. These well fields will be constructed within easement areas on Suffolk County Parkland property that had previously been secured for water supply purposes.

2. Commercial Expansion

There are some commercial properties in this area of East Hampton along Montauk Highway. No expansion is expected due to water supply issues alone.

3. Residential Expansion

Although the use of the wells may not directly increase development, increased public water supply may be viewed by some as a stimulant to population growth. However, lack of a sufficient public water supply is not necessarily an impediment to residential growth in Suffolk County, and significant new residential growth is already occurring in this area. As previously mentioned, Tables 2 and 3 show the predicted upward water services trend in this area. The additional capacity of a reservoir at the well field is an attempt by SCWA to deliver quality water to the existing population of the area and to intercede proactively to prevent any water supply emergency in the future.

4. Other

No other growth-inducing aspects of the project are presently anticipated

III - ALTERNATIVES TO PROPOSED ACTION

A. Water Conservation Program for Water Supply System

The official Suffolk County Water Authority Water Conservation Program was revised in 2018 and is on file at the New York State Department of Environmental Conservation (NYSDEC). Additional conservation efforts have been employed by the SCWA targeting East End customers.

1. East End Water Wise Club

In April 2016 SCWA created the East End Water Wise Club. The East End Water Wise Club is a water conservation-oriented initiative that offers East End residents served by the Suffolk County Water Authority the opportunity to apply for an account credit of up to \$50 per account for the purchase of low-flow showerheads and faucet fixtures and/or a rain sensor for lawn watering systems. Club members also have access to a web page at scwa.com that offers many tips on how to conserve water awareness program, to customers in targeted areas throughout the distribution system where conservation and efficiency measures are most needed. Customers are encouraged to purchase EPA WaterSense Devices. WaterSense, a United States Environmental Protection Agency (EPA) partnership program, seeks to protect the future of the nation's water supply by offering people a simple way to use less water with water-efficient products. In just five years, the program has saved 125 billion gallons of water and \$2 billion in water and energy bills nationally.

2. Water Wise Checkups

In December 2016, a pilot project known as Water Wise Checkups was created. Water Wise Checkups are one-on-one consultations between homeowners and SCWA water use experts. Through the consultation SCWA experts ask a series of questions about a customer's home to estimate the total daily water use. Water Wise Checkups identify each point of water use indoors and outdoors and estimates the quantity of water used at each of these points. The goal is to identify and quantify previously unaccounted for water losses. In addition, SCWA water experts offer recommendations to reduce and conserve water use. Through research into a customer's account history SCWA water experts determine exactly how much water was used in previous quarters and can compare that to historical usage numbers, as well as usage for the average customer in the area.

3. Direct Outreach

In January 2017, an initiative known as WaterTalk was launched. WaterTalk is intended to be a decade-long initiative corresponding with the timetable for SCWA Strategic Business Plan 2025. Through this campaign SCWA water experts have open conversations with customers and other members of the public about topics including potential threats to groundwater quality, the importance of water conservation, the water-quality-tracking database known as WaterTraq, the Automated Meter Reading (AMR) program and other important subjects.

IV. Alternatives Analysis

A. Reservoir at Another Location

The SCWA has a limited number of properties in the Wainscott area on which a water storage facility can be constructed. The Town Line Road location is considered to be ideal due to the large acreage of the parcel and available space for construction on the site.

B. Additional Wells

SCWA examined developing additional wells on other properties in the area instead of building the reservoir however since SCWA has limited holdings on the South Fork in the area of the Town Line Road facility and space is at a premium at those facilities, the reservoir is the preferable option. Multiple wells would be required to equal the capacity capabilities of the reservoir booster pumps, and this would necessitate the purchase of additional land. In addition, the construction of new wells on existing land would mean less space available for future replacement wells as existing wells age, thus decreasing SCWA's ability to ensure adequate future supply because there may not be space in which to develop a replacement well.

C. No Action

With no action taken the simultaneous operation of the booster pumps at Town Line Road will continue to create a water supply deficit in the East Hampton. As previously mentioned, this deficit is particularly pronounced during the early morning hours when residents in the East Hampton run their irrigation systems causing localized low-pressure conditions. The proposed construction of a storage reservoir at the Town Line Road pump station along with new boosters will be capable of being filled during off peak periods of water demand and then used to supplement the water supply to the South Fork Low water supply system. In addition to creating more water pressure via booster pumps on the property, the reservoir will provide a reserve of stored water available for fire protection during peak demand periods.

Exhibit C









Exhibit D

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

March 18, 2019

Julie Hargrave
Suffolk County Water Authority
624 Old Riverhead Road
Westhampton Beach, NY 11978

Re: Town Line Road Water Storage Tank
County: Suffolk Town/City: East Hampton

Dear Ms. Hargrave:

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.

Our database is continually growing as records are added and updated. If this proposed project is still under development one year from now, we recommend that you contact us again so that we may update this response with the most current information.

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, 631-444-0365.

Sincerely,



Heidi Krahling
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 1.25 miles of the project site. Individual animals may travel 1.5 miles from documented locations. The main impact of concern is the cutting or removal of potential roost trees.

COMMON NAME	SCIENTIFIC NAME	NY STATE LISTING	FEDERAL LISTING	
Mammals				
Northern Long-eared Bat Non-winter location	Myotis septentrionalis	Threatened	Threatened	15065

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 animals and significant natural communities
have been documented at the project site, or in its vicinity.

We recommend that potential impacts of the proposed project on these species or communities 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
Moths			
Aureolaria Seed Borer	<i>Pyrrhia aurantiago</i>	Unlisted	Status Uncertain
Documented within 0.2 mile northeast of the project site, 1987-10-29: The moth larvae were found along a powerline cut down morainal, dry hills. Low vegetation includes <i>Aureolaria pedicularia</i> , bracken, blueberry, and sweet-fern.			5972
Coastal Barrens Buckmoth	<i>Hemileuca maia</i> ssp. 5	Special Concern	Imperiled in NYS and Globally Uncommon
Documented near the project site at East Hampton Airport, 1983-autumn: The moths were observed in pine oak barrens disturbed by development.			8617

The following natural communities are considered significant from a statewide perspective by the NY Natural Heritage Program. Each community is either an example of a community type that is rare in the state, or a high-quality example of a more common community type. By meeting specific, documented criteria, the NY Natural Heritage Program considers these community occurrences to have high ecological and conservation value.

COMMON NAME	SCIENTIFIC NAME	NY STATE LISTING	HERITAGE CONSERVATION STATUS
Upland/Terrestrial Communities			
Coastal Oak-Heath Forest			High Quality Occurrence of Uncommon Community Type
Documented at the project site. This is a very large mature occurrence with several large intact cores lacking exotic plants and well recovered from historical cutting. The community is located in a forested landscape that is relatively large for the coastal region.			3021
Pitch Pine-Oak Forest			High Quality Occurrence
Documented adjacent to and surrounding the eastern half of the project site.			3983

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).

Information about many of the natural community types in New York, including identification, dominant and characteristic vegetation, distribution, conservation, and management, is available online in Natural Heritage's Conservation Guides at www.guides.nynhp.org. For descriptions of all community types, go to www.dec.ny.gov/animals/97703.html for Ecological Communities of New York State.



Parks, Recreation, and Historic Preservation

ANDREW M. CUOMO
Governor

ERIK KULLESEID
Commissioner

March 08, 2019

Ms. Julie Hargrave
Principal Environmental Planner
Suffolk County Water Authority
624 Old Riverhead Road
Westhampton Beach, NY 11978

Re: SEQRA
SCWA Town Line Road Water Storage Tank
Town Line Road, East Hampton, NY
19PR01280

Dear Ms. Hargrave:

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 New York State Office of Parks, Recreation and Historic Preservation's opinion that your project will have no impact on archaeological and/or historic resources listed in or eligible for the New York State and National Registers of Historic Places.

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

Sincerely,

Michael F. Lynch, P.E., AIA
Director, Division for Historic Preservation