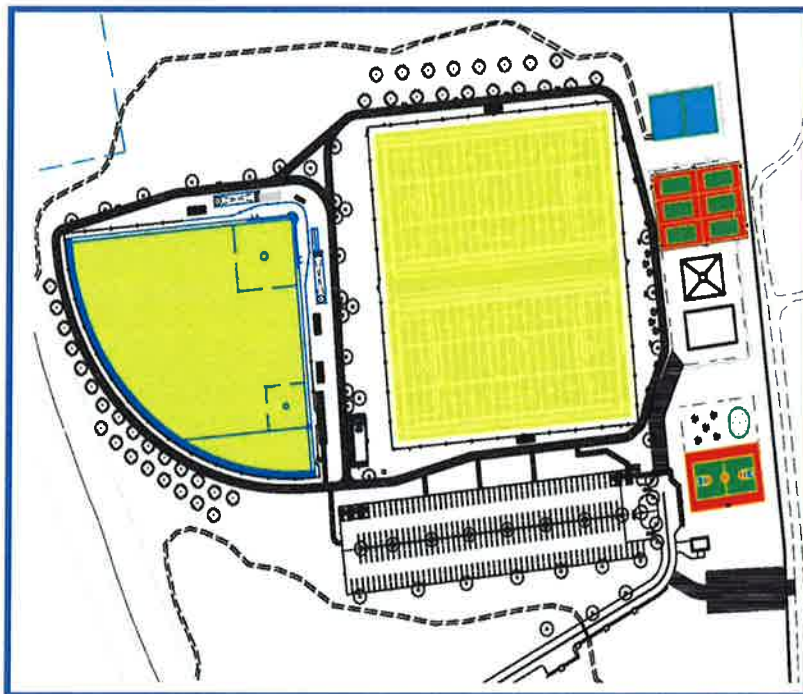


Town of Yorktown  
Parks & Recreation

**Granite Knolls Sports & Recreation Complex  
Stony Street – Town of Yorktown**

**Site Improvement Project**

Town of Yorktown Project No. 01-17



**Long Environmental Assessment Form**

June 13, 2017

**TOWN OF YORKTOWN  
NEW YORK**

**Long Environmental Assessment Form**

**FOR THE**

**Granite Knolls Sports Complex  
Site Improvement Project**

**Town of Yorktown Project No. 01-17**

**Michael Grace  
Supervisor**

**Diana L. Quast  
Town Clerk**

**June 13, 2017**

**PREPARED BY:**

**CORNERSTONE ASSOCIATES**

**AND**

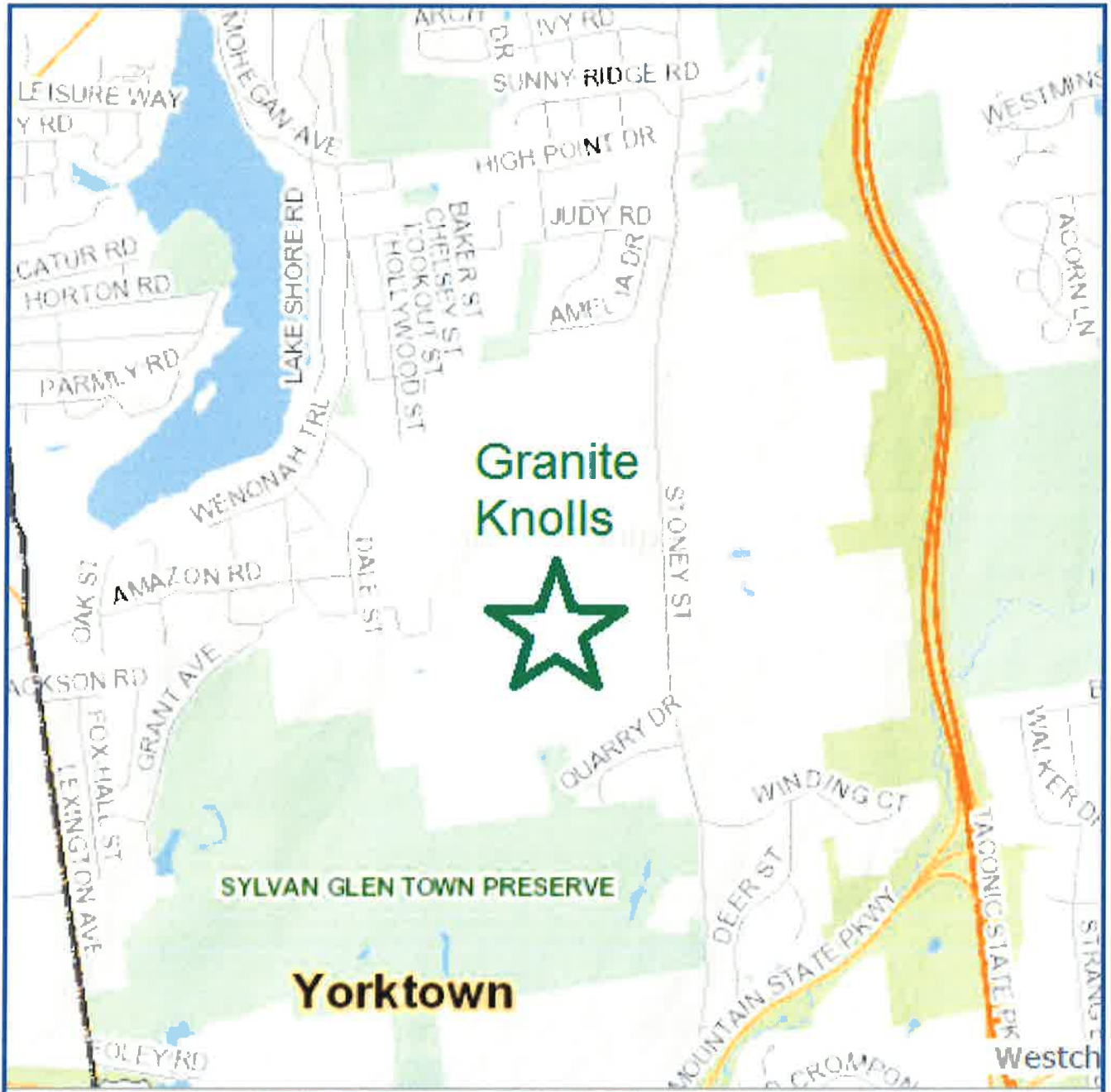
**SITE DESIGN CONSULTANTS**

# **LONG ENVIRONMENTAL ASSESSMENT FORM**

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# LOCATION MAP



**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 project sponsor to verify that the information contained in Part I is accurate and complete.

**A. Project and Sponsor Information.**

Name of Action or Project: Town of Yorktown Recreational Complex		
Project Location (describe, and attach a general location map): Parcel known as Granite Knolls, Stony Street, Yorktown Heights, New York		
Brief Description of Proposed Action (include purpose or need): The Town of Yorktown proposes to construct a recreational complex consisting of two full size, multi-purpose fields, a baseball field with press box and bleachers, a putting green, basketball courts, snack bar, restrooms, parking facilities, associated utilities, stormwater management practices and wetland mitigation on the westerly side of Stony Street on approximately a fifteen acre section of town-owned land known as Granite Knolls. The total size of the Granite Knolls parcel is 125.40+/- acres and is identified on the Town of Yorktown Tax Rolls as Section 26.09 Block 1 Lot 22.		
Name of Applicant/Sponsor: Town of Yorktown, Attn: Michael Grace, Town Supervisor		Telephone: 914-962-5722 x271
		E-Mail: supervisor@yorktownny.org
Address: 363 Underhill Avenue		
City/PO: Yorktown Heights	State: New York	Zip Code: 10598
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>B. Government Approvals, Funding, or Sponsorship.</b> (“Funding” includes grants, loans, tax relief, and any other forms of financial assistance.)		
<b>Government Entity</b>	<b>If Yes: Identify Agency and Approval(s) Required</b>	<b>Application Date (Actual or projected)</b>
a. City Council, Town Board, or Village Board of Trustees <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Town Board-Site Plan Approval, Wetland, Tree and Stormwater Permits	June 2017
b. City, Town or Village Planning Board or Commission <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
c. City Council, Town or Village Zoning Board of Appeals <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
d. Other local agencies <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Town Highway Department-Road Opening Permit	June 2017
e. County agencies <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	WCDOH Sewer Line Extension	June 2017
f. Regional agencies <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	NYCDEP-stormwater management	June 2017
g. State agencies <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
h. Federal agencies <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
i. Coastal Resources.		
i. Is the project site within a Coastal Area, or the waterfront area of a Designated Inland Waterway?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
ii. Is the project site located in a community with an approved Local Waterfront Revitalization Program?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
iii. Is the project site within a Coastal Erosion Hazard Area?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

**C. Planning and Zoning**

<b>C.1. Planning and zoning actions.</b>	
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?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<ul style="list-style-type: none"> <li>• If Yes, complete sections C, F and G.</li> <li>• If No, proceed to question C.2 and complete all remaining sections and questions in Part 1</li> </ul>	
<b>C.2. Adopted land use plans.</b>	
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?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
If Yes, does the comprehensive plan include specific recommendations for the site where the proposed action would be located?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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?)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
If Yes, identify the plan(s):	
East of Hudson Watershed.	
_____	
_____	
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?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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?  
Residential: R1-160

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? Yorktown Central School District

b. What police or other public protection forces serve the project site?  
Town of Yorktown Police Department

c. Which fire protection and emergency medical services serve the project site?  
Lake Mohegan Fire District

d. What parks serve the project site?  
Granite Knolls, Sylvan Glen parks.

**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)? Recreational complex.

b. a. Total acreage of the site of the proposed action? \_\_\_\_\_ 125.40 acres  
b. Total acreage to be physically disturbed? \_\_\_\_\_ 15 acres  
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? \_\_\_\_\_ 125.40 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 proposed action be constructed in multiple phases?  Yes  No  
i. If No, anticipated period of construction: \_\_\_\_\_ 10 months

- ii. If Yes:
- Total number of phases anticipated \_\_\_\_\_ 5
  - Anticipated commencement date of phase 1 (including demolition) \_\_\_\_\_ 08 month 2017 year
  - Anticipated completion date of final phase \_\_\_\_\_ 06 month 2018 year
  - Generally describe connections or relationships among phases, including any contingencies where progress of one phase may determine timing or duration of future phases: \_\_\_\_\_

Phasing is designed to ensure that areas of the site which have been previously disturbed due to construction are stable prior to commencing additional land disturbance as per NYCDEP requirements.

f. Does the project include new residential uses?  Yes  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)?  Yes  No  
 If Yes,

i. Total number of structures 4

ii. Dimensions (in feet) of largest proposed structure: 25 height; 50 width; and 70 length

iii. Approximate extent of building space to be heated or cooled: 800 square feet

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

i. Purpose of the impoundment: \_\_\_\_\_

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

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

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

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

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

**D.2. Project Operations**

a. Does the proposed action include any excavation, mining, or dredging, during construction, operations, or both?  Yes  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?  Yes  No  
 If yes, describe. \_\_\_\_\_

v. What is the total area to be dredged or excavated? \_\_\_\_\_ acres

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

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

viii. Will the excavation require blasting?  Yes  No

ix. Summarize site reclamation goals and plan: \_\_\_\_\_

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

i. Identify the wetland or waterbody which would be affected (by name, water index number, wetland map number or geographic description): Town of Yorktown jurisdictional wetlands and wetland buffer. There is a total of seven small isolated wetland areas which collectively represent a total area of 1.635 acres.



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:  
Grading and construction will disturb 0.823 acres of Town of Yorktown jurisdictional wetland and 8.714 acres of wetland buffer areas. Of the 8.714 acres of wetland buffer disturbance, 2.65 acres will be temporarily disturbed and restored after the completion of construction.

---

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

iv. Will 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: \_\_\_\_\_  
Mitigation will consist of 0.823 acres of wetland creation and functional buffer mitigation due to the permanent loss of 6.064 acres of wetland buffer.

---

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: \_\_\_\_\_ 1500+/- 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: Yorktown Consolidated Water District
- 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), 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: \_\_\_\_\_ 1500+/- gallons/day

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

---

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

- Name of wastewater treatment plant to be used: Westchester County Wastewater Treatment Facility-Peekskill
- Name of district: Stony Street Sewer District/Westchester County Peekskill Sanitary Sewer District
- Does the existing wastewater treatment plant have capacity to serve the project?  Yes  No
- Is the project site in the existing district?  Yes  No
- Is expansion of the district needed?  Yes  No

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

 If Yes:
 

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

 Sewer trunk line along Stony Street will require extension. \_\_\_\_\_

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

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

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

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

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

- i. How much impervious surface will the project create in relation to total size of project parcel?  
 \_\_\_\_\_ Square feet or \_\_\_\_\_ 1.5 acres (impervious surface)  
 \_\_\_\_\_ Square feet or \_\_\_\_\_ 125.4 acres (parcel size)
- ii. Describe types of new point sources. Access roads, building roofing. \_\_\_\_\_  
 \_\_\_\_\_
- 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)?  
 On-site stormwater management. \_\_\_\_\_  
 \_\_\_\_\_  
  - If to surface waters, identify receiving water bodies or wetlands: \_\_\_\_\_  
 \_\_\_\_\_
  - Will stormwater runoff flow to adjacent properties?  Yes  No

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

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

- i. Mobile sources during project operations (e.g., heavy equipment, fleet or delivery vehicles)  
 Trucks and equipment during construction. \_\_\_\_\_
- ii. Stationary sources during construction (e.g., power generation, structural heating, batch plant, crushers)  
 None \_\_\_\_\_
- iii. Stationary sources during operations (e.g., process emissions, large boilers, electric generation)  
 Building heating. \_\_\_\_\_

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

- i. Is the project site located in an Air quality non-attainment area? (Area routinely or periodically fails to meet ambient air quality standards for all or some parts of the year)  Yes  No
- ii. In addition to emissions as calculated in the application, the project will generate:
  - \_\_\_\_\_ Tons/year (short tons) of Carbon Dioxide (CO<sub>2</sub>)
  - \_\_\_\_\_ Tons/year (short tons) of Nitrous Oxide (N<sub>2</sub>O)
  - \_\_\_\_\_ Tons/year (short tons) of Perfluorocarbons (PFCs)
  - \_\_\_\_\_ Tons/year (short tons) of Sulfur Hexafluoride (SF<sub>6</sub>)
  - \_\_\_\_\_ Tons/year (short tons) of Carbon Dioxide equivalent of Hydrofluorocarbons (HFCs)
  - \_\_\_\_\_ Tons/year (short tons) of Hazardous Air Pollutants (HAPs)

h. Will the proposed action generate or emit methane (including, but not limited to, sewage treatment plants, landfills, composting facilities)?  Yes  No  
 If Yes:  
 i. Estimate methane generation in tons/year (metric): \_\_\_\_\_  
 ii. Describe any methane capture, control or elimination measures included in project design (e.g., combustion to generate heat or electricity, flaring): \_\_\_\_\_

---

i. Will the proposed action result in the release of air pollutants from open-air operations or processes, such as quarry or landfill operations?  Yes  No  
 If Yes: Describe operations and nature of emissions (e.g., diesel exhaust, rock particulates/dust): \_\_\_\_\_

---

j. Will the proposed action result in a substantial increase in traffic above present levels or generate substantial new demand for transportation facilities or services?  Yes  No  
 If Yes:  
 i. When is the peak traffic expected (Check all that apply):  Morning  Evening  Weekend  
 Randomly between hours of \_\_\_\_\_ to \_\_\_\_\_.  
 ii. For commercial activities only, projected number of semi-trailer truck trips/day: \_\_\_\_\_  
 iii. Parking spaces: Existing 0 Proposed 230 Net increase/decrease 230  
 iv. Does the proposed action include any shared use parking?  Yes  No  
 v. If the proposed action includes any modification of existing roads, creation of new roads or change in existing access, describe:  
Creation of new access road and turning lane from Stony Street.  
 \_\_\_\_\_  
 \_\_\_\_\_  
 vi. Are public/private transportation service(s) or facilities available within ½ mile of the proposed site?  Yes  No  
 vii. Will the proposed action include access to public transportation or accommodations for use of hybrid, electric or other alternative fueled vehicles?  Yes  No  
 viii. Will the proposed action include plans for pedestrian or bicycle accommodations for connections to existing pedestrian or bicycle routes?  Yes  No

---

k. Will the proposed action (for commercial or industrial projects only) generate new or additional demand for energy?  Yes  No  
 If Yes:  
 i. Estimate annual electricity demand during operation of the proposed action: \_\_\_\_\_  
50,000-75,000 kWh  
 ii. Anticipated sources/suppliers of electricity for the project (e.g., on-site combustion, on-site renewable, via grid/local utility, or other):  
Grid/local utility  
 iii. Will the proposed action require a new, or an upgrade to, an existing substation?  Yes  No

---

l. Hours of operation. Answer all items which apply.  
 i. During Construction:  
 • Monday - Friday: 8 am-5 pm  
 • Saturday: 8 am-5 pm  
 • Sunday: None  
 • Holidays: None  
 ii. During Operations:  
 • Monday - Friday: 3 pm -10 pm  
 • Saturday: 8 am- 10 pm  
 • Sunday: 8 am- 10 pm  
 • Holidays: 8 am- 8 pm

m. Will the proposed action produce noise that will exceed existing ambient noise levels during construction, operation, or both?  Yes  No  
 If yes:  
 i. Provide details including sources, time of day and duration:  
 Noise generated during construction activities: \_\_\_\_\_

ii. Will proposed action remove existing natural barriers that could act as a noise barrier or screen?  Yes  No  
 Describe: Vegetation removal. A tree planting plan has been developed which will mitigate the reduction in vegetation due to construction.

---

n.. Will the proposed action have outdoor lighting?  Yes  No  
 If yes:  
 i. Describe source(s), location(s), height of fixture(s), direction/aim, and proximity to nearest occupied structures:  
Complex will have lighting at fields, parking and concession/restroom areas.

ii. Will proposed action remove existing natural barriers that could act as a light barrier or screen?  Yes  No  
 Describe: Vegetation removal. A tree planting plan has been developed which will mitigate the reduction in vegetation due to construction. Lighting plan has included design elements to reduce light pollution and night sky impacts.

---

o. Does the proposed action have the potential to produce odors for more than one hour per day?  Yes  No  
 If Yes, describe possible sources, potential frequency and duration of odor emissions, and proximity to nearest occupied structures: \_\_\_\_\_

---

p. Will the proposed action include any bulk storage of petroleum (combined capacity of over 1,100 gallons) or chemical products 185 gallons in above ground storage or any amount in underground storage?  Yes  No  
 If Yes:  
 i. Product(s) to be stored \_\_\_\_\_  
 ii. Volume(s) \_\_\_\_\_ per unit time \_\_\_\_\_ (e.g., month, year)  
 iii. Generally describe proposed storage facilities: \_\_\_\_\_

---

q. Will the proposed action (commercial, industrial and recreational projects only) use pesticides (i.e., herbicides, insecticides) during construction or operation?  Yes  No  
 If Yes:  
 i. Describe proposed treatment(s): \_\_\_\_\_

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

---

r. Will the proposed action (commercial or industrial projects only) involve or require the management or disposal of solid waste (excluding hazardous materials)?  Yes  No  
 If Yes:  
 i. Describe any solid waste(s) to be generated during construction or operation of the facility:  
 • Construction: \_\_\_\_\_ 10 tons per \_\_\_\_\_ month (unit of time)  
 • Operation : \_\_\_\_\_ 2 tons per \_\_\_\_\_ month (unit of time)  
 ii. Describe any proposals for on-site minimization, recycling or reuse of materials to avoid disposal as solid waste:  
 • Construction: None  
 • Operation: Recycling  
 iii. Proposed disposal methods/facilities for solid waste generated on-site:  
 • Construction: Carting  
 • Operation: On-site containers, carting

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 proposed action at the site involve the commercial generation, treatment, storage, or disposal of hazardous waste?  Yes  No  
 If Yes:  
 i. Name(s) of all hazardous wastes or constituents to be generated, handled or managed at facility: \_\_\_\_\_  
 \_\_\_\_\_  
 ii. Generally describe processes or activities involving hazardous wastes or constituents: \_\_\_\_\_  
 \_\_\_\_\_  
 iii. Specify amount to be handled or generated \_\_\_\_\_ tons/month  
 iv. Describe any proposals for on-site minimization, recycling or reuse of hazardous constituents: \_\_\_\_\_  
 \_\_\_\_\_  
 v. Will any hazardous wastes be disposed at an existing offsite hazardous waste facility?  Yes  No  
 If Yes: provide name and location of facility: \_\_\_\_\_  
 \_\_\_\_\_  
 If No: describe proposed management of any hazardous wastes which will not be sent to a hazardous waste facility:  
 \_\_\_\_\_  
 \_\_\_\_\_

**E. Site and Setting of Proposed Action**

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

a. Existing land uses.  
 i. Check all uses that occur on, adjoining and near the project site.  
 Urban  Industrial  Commercial  Residential (suburban)  Rural (non-farm)  
 Forest  Agriculture  Aquatic  Other (specify): Open space/parkland  
 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	0.5	1.5	+1.0
• Forested	7.9	3.5	-4.4
• Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural)	5.0	8.4	+3.4
• Agricultural (includes active orchards, field, greenhouse etc.)			
• Surface water features (lakes, ponds, streams, rivers, etc.)			
• Wetlands (freshwater or tidal)	1.6	1.6	0
• Non-vegetated (bare rock, earth or fill)			
• Other Describe: _____ _____			

c. Is the project site presently used by members of the community for public recreation?  Yes  No  
*i. If Yes: explain: Open space-passive recreation*

---

d. Are there any facilities serving children, the elderly, people with disabilities (e.g., schools, hospitals, licensed day care centers, or group homes) within 1500 feet of the project site?  Yes  No  
 If Yes,  
*i. Identify Facilities:*  
 School \_\_\_\_\_  
 \_\_\_\_\_

---

e. Does the project site contain an existing dam?  Yes  No  
 If Yes:  
*i. Dimensions of the dam and impoundment:*  

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

*ii. Dam's existing hazard classification:* \_\_\_\_\_  
*iii. Provide date and summarize results of last inspection:*  
 \_\_\_\_\_  
 \_\_\_\_\_

---

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

- If yes, cite sources/documentation: \_\_\_\_\_

*ii. Describe the location of the project site relative to the boundaries of the solid waste management facility:*  
 \_\_\_\_\_  
 \_\_\_\_\_  
*iii. Describe any development constraints due to the prior solid waste activities:* \_\_\_\_\_  
 \_\_\_\_\_

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g. Have hazardous wastes been generated, treated and/or disposed of at the site, or does the project site adjoin property which is now or was at one time used to commercially treat, store and/or dispose of hazardous waste?  Yes  No  
 If Yes:  
*i. Describe waste(s) handled and waste management activities, including approximate time when activities occurred:*  
 \_\_\_\_\_  
 \_\_\_\_\_

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h. Potential contamination history. Has there been a reported spill at the proposed project site, or have any remedial actions been conducted at or adjacent to the proposed site?  Yes  No  
 If Yes:  
*i. Is any portion of the site listed on the NYSDEC Spills Incidents database or Environmental Site Remediation database? Check all that apply:*  Yes  No  
 Yes – Spills Incidents database Provide DEC ID number(s): \_\_\_\_\_  
 Yes – Environmental Site Remediation database Provide DEC ID number(s): \_\_\_\_\_  
 Neither database  
*ii. If site has been subject of RCRA corrective activities, describe control measures:* \_\_\_\_\_  
 \_\_\_\_\_  
*iii. Is the project within 2000 feet of any site in the NYSDEC Environmental Site Remediation database?*  Yes  No  
 If yes, provide DEC ID number(s): \_\_\_\_\_  
*iv. If yes to (i), (ii) or (iii) above, describe current status of site(s):*  
 \_\_\_\_\_  
 \_\_\_\_\_

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

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

**E.2. Natural Resources On or Near Project Site**

a. What is the average depth to bedrock on the project site? \_\_\_\_\_ > 6 feet

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

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

Paxton	_____	89.7 %
Woodbridge	_____	7.7 %
Ridgebury	_____	2.6 %

d. What is the average depth to the water table on the project site? Average: \_\_\_\_\_ 2-4 feet

e. Drainage status of project site soils:  Well Drained: \_\_\_\_\_ 89.7 % of site  
 Moderately Well Drained: \_\_\_\_\_ 7.7 % of site  
 Poorly Drained \_\_\_\_\_ 2.6 % of site

f. Approximate proportion of proposed action site with slopes:  0-10%: \_\_\_\_\_ 84 % of site  
 10-15%: \_\_\_\_\_ 10 % of site  
 15% or greater: \_\_\_\_\_ 6 % of site

g. Are there any unique geologic features on the project site?  Yes  No  
 If Yes, describe: \_\_\_\_\_

h. Surface water features.

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

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

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

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

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

- Streams: Name \_\_\_\_\_ Classification \_\_\_\_\_
- Lakes or Ponds: Name \_\_\_\_\_ Classification \_\_\_\_\_
- Wetlands: Name Town of Yorktown Approximate Size 1.635+/- acres
- Wetland No. (if regulated by DEC) \_\_\_\_\_

v. Are any of the above water bodies listed in the most recent compilation of NYS water quality-impaired waterbodies?  Yes  No  
 If yes, name of impaired water body/bodies and basis for listing as impaired: \_\_\_\_\_

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

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

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

l. Is the project site located over, or immediately adjoining, a primary, principal or sole source aquifer?  Yes  No  
 If Yes:  
 i. Name of aquifer: \_\_\_\_\_

<p>m. Identify the predominant wildlife species that occupy or use the project site:</p>		
<p>Deer _____</p> <p>Black snakes, garter snakes _____</p> <p>Crows _____</p>	<p>Racoons _____</p> <p>Squirrels _____</p> <p>Chipmunk _____</p>	<p>Sparrow _____</p> <p>Blue Jay _____</p> <p>Nuthatch _____</p>
<p>n. Does the project site contain a designated significant natural community? <span style="float: right;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</span></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"> <li>• Currently: _____ acres</li> <li>• Following completion of project as proposed: _____ acres</li> <li>• Gain or loss (indicate + or -): _____ acres</li> </ul>		
<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? <span style="float: right;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</span></p> <p>As per NYSDEC Environmental Assessment Mapper Summary Report. The Sylvan Glen/Granite Knolls complex is included in the Metropolitan Conservation Alliance Croton to Highlands Biodiversity Study. The subject site is located in the northeastern section of the biodiversity designation. Field investigations revealed substantial historical site disturbance and significant areas of invasive species within the proposed limits of disturbance.</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? <span style="float: right;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</span></p> <p>As per NYSDEC Environmental Assessment Mapper Summary Report</p>		
<p>q. Is the project site or adjoining area currently used for hunting, trapping, fishing or shell fishing? <span style="float: right;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</span></p> <p>If yes, give a brief description of how the proposed action may affect that use: _____</p>		
<p><b>E.3. Designated Public Resources On or Near Project Site</b></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? <span style="float: right;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</span></p> <p>If Yes, provide county plus district name/number: _____</p>		
<p>b. Are agricultural lands consisting of highly productive soils present? <span style="float: right;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</span></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? <span style="float: right;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</span></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? <span style="float: right;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</span></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, or has been nominated by the NYS Board of Historic Preservation for inclusion on, the State or National Register of Historic Places?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If Yes:	
<i>i.</i> Nature of historic/archaeological resource: <input type="checkbox"/> Archaeological Site <input type="checkbox"/> Historic Building or District	
<i>ii.</i> Name: _____	
<i>iii.</i> 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No
g. Have additional archaeological or historic site(s) or resources been identified on the project site?	
If Yes:	
<i>i.</i> Describe possible resource(s): _____	
<i>ii.</i> Basis for identification: _____	
h. Is the project site within five miles of any officially designated and publicly accessible federal, state, or local scenic or aesthetic resource?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If Yes:	
<i>i.</i> Identify resource: _____	
<i>ii.</i> Nature of, or basis for, designation (e.g., established highway overlook, state or local park, state historic trail or scenic byway, etc.): _____	
<i>iii.</i> Distance between project and resource: _____ 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:	
<i>i.</i> Identify the name of the river and its designation: _____	
<i>ii.</i> 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 Michael Grace Date \_\_\_\_\_

Signature \_\_\_\_\_ Title Town of Yorktown Supervisor

**PRINT FORM**

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

Agency Use Only [If applicable]

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.

	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES	
<b>1. Impact on Land</b>			
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>			
	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 checked="" type="checkbox"/>
b. The proposed action may involve construction on slopes of 15% or greater.	E2f	<input checked="" 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 checked="" 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 checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>
f. The proposed action may result in increased erosion, whether from physical disturbance or vegetation removal (including from treatment by herbicides).	D2e, D2q	<input type="checkbox"/>	<input checked="" type="checkbox"/>
g. The proposed action is, or may be, located within a Coastal Erosion hazard area.	B1i	<input checked="" type="checkbox"/>	<input type="checkbox"/>
h. Other impacts: _____ _____		<input checked="" 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)

NO

YES

*If "Yes", answer questions a - c. If "No", move on to Section 3.*

	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)

NO

YES

*If "Yes", answer questions a - l. If "No", move on to Section 4.*

	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 checked="" type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may result in an increase or decrease of over 10% or more than a 10 acre increase or decrease in the surface area of any body of water.	D2b	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may involve dredging more than 100 cubic yards of material from a wetland or water body.	D2a	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. The proposed action may involve construction within or adjoining a freshwater or tidal wetland, or in the bed or banks of any other water body.	E2h	<input type="checkbox"/>	<input checked="" 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 checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>
g. The proposed action may include construction of one or more outfall(s) for discharge of wastewater to surface water(s).	D2d	<input checked="" type="checkbox"/>	<input type="checkbox"/>
h. The proposed action may cause soil erosion, or otherwise create a source of stormwater discharge that may lead to siltation or other degradation of receiving water bodies.	D2e	<input type="checkbox"/>	<input checked="" 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 checked="" 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 checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>

l. 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.  NO  YES  
 (See Part 1. D.2.a, D.2.c, D.2.d, D.2.p, D.2.q, D.2.t)  
*If "Yes", answer questions a - h. If "No", move on to Section 5.*

	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.  NO  YES  
 (See Part 1. E.2)  
*If "Yes", answer questions a - g. If "No", move on to Section 6.*

	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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<b>6. Impacts on Air</b> The proposed action may include a state regulated air emission source. <input checked="" 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>			
	<b>Relevant Part I Question(s)</b>	<b>No, or small impact may occur</b>	<b>Moderate to large impact may occur</b>
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 <sub>2</sub> )	D2g	<input type="checkbox"/>	<input type="checkbox"/>
ii. More than 3.5 tons/year of nitrous oxide (N <sub>2</sub> 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 <sub>6</sub> )	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"/>

<b>7. Impact on Plants and Animals</b> The proposed action may result in a loss of flora or fauna. (See Part 1. E.2. m.-q.) <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <i>If "Yes", answer questions a - j. If "No", move on to Section 8.</i>			
	<b>Relevant Part I Question(s)</b>	<b>No, or small impact may occur</b>	<b>Moderate to large impact may occur</b>
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"/>

<b>8. Impact on Agricultural Resources</b>			
The proposed action may impact agricultural resources. (See Part 1. E.3.a. and b.)		<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES
<i>If "Yes", answer questions a - h. If "No", move on to Section 9.</i>			
	<b>Relevant Part I Question(s)</b>	<b>No, or small impact may occur</b>	<b>Moderate to large impact may occur</b>
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.)

If "Yes", answer questions a - g. If "No", go to Section 10.

NO       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 checked="" 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 checked="" 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 checked="" 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 checked="" 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 checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>
g. Other impacts: _____ _____		<input checked="" 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.)

If "Yes", answer questions a - e. If "No", go to Section 11.

NO       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 checked="" type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may occur wholly or partially within, or substantially contiguous to, an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory.	E3f	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may occur wholly or partially within, or substantially contiguous to, an archaeological site not included on the NY SHPO inventory. Source: _____	E3g	<input checked="" type="checkbox"/>	<input type="checkbox"/>

d. Other impacts: <u>Archaeological sensitive site is located adjacent to proposed road cut at Stony Street. This area was excavated and highly disturbed by the pipeline activity.</u>		<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. If any of the above (a-d) are answered "Yes", continue with the following questions to help support conclusions in Part 3:			
i. The proposed action may result in the destruction or alteration of all or part of the site or property.	E3e, E3g, E3f	<input type="checkbox"/>	<input type="checkbox"/>
ii. The proposed action may result in the alteration of the property's setting or integrity.	E3e, E3f, E3g, E1a, E1b	<input type="checkbox"/>	<input type="checkbox"/>
iii. The proposed action may result in the introduction of visual elements which are out of character with the site or property, or may alter its setting.	E3e, E3f, E3g, E3h, C2, C3	<input type="checkbox"/>	<input type="checkbox"/>

<b>11. Impact on Open Space and Recreation</b>			
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 checked="" type="checkbox"/> YES
	<b>Relevant Part I Question(s)</b>	<b>No, or small impact may occur</b>	<b>Moderate to large impact may occur</b>
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 checked="" 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 checked="" 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 checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>
e. Other impacts: _____		<input checked="" type="checkbox"/>	<input type="checkbox"/>

<b>12. Impact on Critical Environmental Areas</b>			
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 checked="" type="checkbox"/> NO	<input type="checkbox"/> YES
	<b>Relevant Part I Question(s)</b>	<b>No, or small impact may occur</b>	<b>Moderate to large impact may occur</b>
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.

 NO YES

(See Part 1. D.2.j)

*If "Yes", answer questions a - g. If "No", go to Section 14.*

	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: <u>Increase in traffic to the recreational facility to be mitigated as per traffic study.</u>		<input checked="" type="checkbox"/>	<input type="checkbox"/>

**14. Impact on Energy**

The proposed action may cause an increase in the use of any form of energy.

 NO YES

(See Part 1. D.2.k)

*If "Yes", answer questions a - e. If "No", go to Section 15.*

	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 checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may utilize more than 2,500 MWhrs per year of electricity.	D2k	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>
e. Other Impacts: <u>Increased energy use due predominately to use of field lighting.</u>		<input checked="" type="checkbox"/>	<input type="checkbox"/>

**15. Impact on Noise, Odor, and Light**

The proposed action may result in an increase in noise, odors, or outdoor lighting.

 NO YES

(See Part 1. D.2.m., n., and o.)

*If "Yes", answer questions a - f. If "No", go to Section 16.*

	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 checked="" type="checkbox"/>	<input type="checkbox"/>
b. The site of the proposed action is currently undergoing remediation.	E1g, E1h	<input checked="" 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 checked="" 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 checked="" 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 checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>
g. The proposed action involves construction or modification of a solid waste management facility.	D2q, E1f	<input checked="" type="checkbox"/>	<input type="checkbox"/>
h. The proposed action may result in the unearthing of solid or hazardous waste.	D2q, E1f	<input checked="" 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 checked="" 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 checked="" 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 checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>
m. Other impacts: <u>Area of site formerly used for agriculture.</u> _____		<input checked="" type="checkbox"/>	<input type="checkbox"/>

**17. Consistency with Community Plans**

The proposed action is not consistent with adopted land use plans.  
(See Part 1. C.1, C.2. and C.3.)

NO

YES

*If "Yes", answer questions a - h. If "No", go to Section 18.*

	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)

NO

YES

*If "Yes", answer questions a - g. If "No", proceed to Part 3.*

	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"/>

**PRINT FULL FORM**

Supplemental Environmental Narrative  
Prepared for  
The Town of Yorktown  
Granite Knolls Sports and Recreational Complex  
Stony Street  
Town of Yorktown - Westchester County, NY

1. **Impact on Land:** *Proposed action may involve construction on, or physical alteration of, the land surface of the proposed site*

The proposed action;

- a. Will involve construction on land where depth to water table is less than 3 feet.

***During soil investigations at the site groundwater was encountered between 2' and 4'. During construction groundwater will be mitigated. The majority of the earthwork portion of the project are expected during the season where it is most likely to be at the lowest elevation. Where encountered the effects of the groundwater will be offset with channeling to the sediment basins designed to be in place during and until the very end of the construction. Similarly, if groundwater is interfering with other aspects of the construction such as trench work, groundwater can be pumped to the sediment traps. Where necessary areas that may be unstable due to groundwater conditions can be temporarily stabilized with trap rock and filter fabric. A Stormwater Pollution Prevention Plan has been prepared for the project which provides a sequence of construction and details for standard practices to prevent the contamination of surface and groundwater during construction.***

- b. Will involve construction on slopes of 15% or greater.

***Of the total disturbance, 6% of the disturbance will occur in slopes greater than 15%. The 15% slopes are narrow bands and the disturbance of these narrow bands will have little impact and are contained mostly in areas of fill. An Erosion and Sediment Control Plan has been prepared for this project. This in conjunction with a Construction Sequence will provide***

***specific means and methods to the contractor to prevent excessive erosion which will cause the transport of sediment off-site.***

- c. Will not involve construction on land where bedrock is exposed, or generally within 5 feet of existing ground surface.

***Soil tests performed at the project site did not indicate the presence of ledge rock.***

- d. Will involve the excavation and removal of more than 1,000 tons of natural material.

***The amount of earthwork to construct the project will require more than 1,000 tons of soil. The project has been designed as a balanced cut and fill with the likelihood that some fill material may need to be imported into the site. Areas have been designated for soil stockpiling with adequate protection.***

- e. Will not involve construction that continues for more than one year or in multiple phases.

***The project is not expected to extend beyond one year. There are multiple phases with the project only to properly sequence the construction.***

- f. Will result in increased erosion, whether from physical disturbance or vegetation removal (including from treatment by herbicides).

***The disturbance related to the project can create the potential for erosion. To mitigate any potential impacts that may result from soil disturbance, a Stormwater Pollution Prevention Plan has been prepared for the project. The Stormwater Pollution Plan provides the contractor with the means and methods to construct the project minimizing the potential for erosion issues and the transport of sediment off-site. The proper construction of the site starts with a Construction Sequence followed in conjunction with the Erosion and Sediment Control Plan. Prior to the start of the project, a pre-construction meeting will be held involving the contractor and involved agencies so that all parties understand the plan, sequence, and the level of vigilance required to maintain a controlled construction operation. There will be no use of herbicides.***

- g. Is not located within a Coastal Erosion hazard area. ***N/A***

- 3. **Impacts on Surface Water:** *Proposed action may affect one or more wetlands or other surface water bodies (e.g. streams, rivers, ponds or lakes).*

The proposed action;

- (a) Will not create a new water body; **N/A**
- (b) Will not result in an increase or decrease in the surface area of any water body; **N/A**
- (c) Will not involve dredging of more than 100 cubic yards of material from a wetland or water body; **N/A**
- (d) Will not involve construction within or adjoining a freshwater or tidal wetland, or in the bed or banks of any water body;

***There are a total of seven small, depressional wetland areas on the site which are regulated by the Town of Yorktown. The wetlands have a collective total area of approximately 1.6 acres. Due to construction activities, approximately 0.82 acres of wetland area will be disturbed. The impacts will be mitigated by the creation of a minimum of 0.82 acres of wetlands to the east of the proposed parking area. The hydrology of the mitigation wetlands will be provided by the existing ground water as well as surface water flow. The functions of the mitigation wetlands will replicate those that have been impacted due to the construction but will also be designed in such a way as to increase vegetation diversity and provide greater habitat to increase biodiversity and provide enhanced educational opportunities.***

- (e) Will not create turbidity in a water body; **N/A**
- (f) Will not involve construction of one or more intake(s) for withdrawal of water from surface water; **N/A**
- (g) Will not involve construction of one or more outfall(s) for discharge of wastewater to surface waters; **N/A**
- (h) Will not cause soil erosion, or otherwise create a source of stormwater discharge that may lead to siltation or degradation of receiving water bodies;

***A Stormwater Management Plan which includes a SWPPP and Erosion and Sediment Control Plan have been provided for the project which will mitigate any potential impacts as explained in the following summary.***

- (i) Will not affect the water quality of any water bodies within or downstream of the site of the proposed action;

***A Stormwater Management Plan which includes a SWPPP and Erosion and Sediment Control Plan have been provided for the project which will mitigate any potential impacts as explained in the following summary.***

- (j) Will not involve a change in the application of pesticides or herbicides in or around any water body; *N/A*
- (k) Will not require the construction of new or expansion of existing wastewater treatment facilities; *N/A*

***A Stormwater Management Plan (SMP) has been prepared for the proposed project in compliance with the stormwater regulations of the New York State Department of Environmental Conservation (NYS DEC), New York City Department of Environmental Protection, and the Town of Yorktown. The SMP consists of a Stormwater Pollution Prevention Plan (SWPPP) which manages potential pollutants carried by stormwater during and after construction including an Erosion and Sediment Control Plan, and controlling the peak runoff generated by the project. The SMP provides the design basis, controls, and maintenance measures to insure the proposed project will not create any additional impacts or improve conditions as related to stormwater runoff that is currently generated.***

#### **Project Stormwater Management**

***The site as it currently exists is a Town recreational facility consisting of a natural turf area equivalent in size to about two Lacrosse fields, abandoned tennis courts which currently serves as a parking area, abandoned basketball courts, and abandoned handball courts. The area of the proposed sports and recreational facilities was farmed and orchard to as far back as the 1940's and probably earlier. Much of the land was occupied by buildings and open field into the 1970's when some of the southern part of the site began to become populated with natural vegetation such as brush and trees. Later less of the site was maintained and some of the existing buildings abandoned, becoming overgrown by native and invasive vegetation. It appears that when the Seminary was built on the adjoin property in the 1950's recreational facilities were constructed on the subject parcel including a playing field, tennis courts, basketball courts, and handball courts. As stated these are still in place. In more recent years the Town of Yorktown has taken ownership of the property and revitalized the playing fields. It is proposed to construct a state of the art public sports and recreational facility for team sports and other forms of active and passive recreation which will consist of two multi-purpose and one baseball field. All with synthetic turf surfaces. In addition, the facility will have other amenities such as sport courts, pavilion, comfort stations, and parking area. Stormwater runoff from the project will managed on site with various green infrastructure and standard stormwater treatment practices. Further, the project is located within the NYC DEP Watershed which requires meeting additional phosphorous removal standards.***

***The use of Green Infrastructure (GI) practices or standard practices with Runoff Reduction (RRv) capabilities, are an integral part of stormwater management for the reduction of typical pollutants transported by stormwater runoff. The use of these practices is a holistic approach to dealing with Runoff Reduction from impervious surfaces. Since the project considered a redevelopment, the practices are sized to accommodate 25% of the water quality volume. This volume is determined by measure of the 90% rainfall event which is commonly referred to as the "first flush." This is the initial part of the storm event which collects and transports the pollutants deposited on the impervious surfaces.***

***The project will utilize both Green Infrastructure and Standard Stormwater Practices as defined in the New York State DEC SWDM. One of the Green Infrastructure practices considered is the Tree Pit Bio-Retention, Tree Planting, vegetated swales, and grass pavers. These practices provide one or all of the following benefits including decreasing impervious area, provides runoff reduction, and reduces the heating of some of the impervious surfaces which in turn keeps the runoff cooler. There are a series of landscape islands proposed within the parking area. The tree pit is a means to provide water quality treatment of surface runoff generated from impervious surfaces such as parking area. A specific soil media is mixed and placed around the ball of the newly planted trees. This soil media mix provides filtering of stormwater before exfiltrating into the surrounding soil. Openings in the curb provide a point of entry of surface water into the depressed planting beds. Once capacity is reached, surface flow will continue as it currently does to the nearby catch basin. Trees are being planted throughout the site adjacent to impervious areas which provide a reduction of impervious footprint as well as treatment. Other parts of the site have vegetated surface swales which convey runoff and simultaneously provide treatment of stormwater runoff. Grass pavers are being proposed for an overflow parking area and an access drive.***

***The main treatment practices being implemented are Pocket Wetland Basins. These are considered to standard practices in the NYS DEC Stormwater Management Design Manual. These basins provide water quality treatment as well as attenuate higher volume storm events. The Pocket Wetlands are designed to meet the Enhanced Phosphorous Standards due to the project being in the NYC DEP Watershed providing treatment for the one year storm event. The design for treatment involves the placement of forebays, deep pools, channels, and aquatic shelves that are selectively planted with vegetation. The combination of these features will provide treatment of the one year storm event. Above that storage volume is provided to allow for attenuation of increase in the storm volumes between the one year and one hundred year storm events. Under normal conditions the Pocket Wetland will maintain the wetland character and will provide visual and habitat benefits.***

***Soil tests were performed in several areas of the site to determine the ability of the soil to absorb water and filter it through the soil column and identify any constraints due to the soil properties. The testing determined that there was no possibility to consider infiltration. The soils which are mainly moderately compact silts have a high groundwater table. The groundwater table was encountered between 2' and 4' making it impossible to consider any type of infiltration. However, the presence of ground water is conducive to some stormwater practices such as the Pocket Wetland. The design of each practice takes into consideration the elevation of the groundwater level which is needed to sustain the wetland. The groundwater elevation was determined to be eight feet below the site ground surface.***



*The following table provides the projections and comparison to the existing rates of flow.*

**Design Point 1:**

<b>Storm Event (year)</b>	<b>Pre-Developed Peak Flow (cfs)</b>	<b>Post-Developed Peak Flow (cfs)</b>	<b>Net Change of Peak Flow (cfs)</b>	<b>Percent Reduction</b>
<b>1</b>	<b>15.52</b>	<b>12.82</b>	<b>-2.7</b>	<b>17.4%</b>
<b>2</b>	<b>22.17</b>	<b>20.71</b>	<b>-1.46</b>	<b>6.6%</b>
<b>10</b>	<b>47.45</b>	<b>47.47</b>	<b>+0.02</b>	<b>0.04%</b>
<b>25</b>	<b>69.85</b>	<b>65.25</b>	<b>-4.6</b>	<b>6.6%</b>
<b>100</b>	<b>112.75</b>	<b>99.55</b>	<b>-13.2</b>	<b>11.7%</b>

**Design Point 2:**

<b>Storm Event (year)</b>	<b>Pre-Developed Peak Flow (cfs)</b>	<b>Post-Developed Peak Flow (cfs)</b>	<b>Net Change of Peak Flow (cfs)</b>	<b>Percent Reduction</b>
<b>1</b>	<b>15.83</b>	<b>13.72</b>	<b>-2.01</b>	<b>1.3%</b>
<b>2</b>	<b>23.35</b>	<b>20.92</b>	<b>-2.43</b>	<b>10.4%</b>
<b>10</b>	<b>53.41</b>	<b>52.95</b>	<b>-0.46</b>	<b>0.9%</b>
<b>25</b>	<b>81.00</b>	<b>78.74</b>	<b>-2.26</b>	<b>2.8%</b>
<b>100</b>	<b>134.74</b>	<b>127.32</b>	<b>-7.42</b>	<b>5.5%</b>

*As can be seen for all instances there is a measurable decrease in the rate of runoff from the 1-year to the 100-year storm event. In the instance of one storm, there is an insignificant increase.*

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.*

The proposed action;

- a. Will be visible from any officially designated federal, state, or local scenic or aesthetic resource. **N/A**
- b. Will not result in the obstruction, elimination or significant screening of one or more officially designated scenic views. **N/A**
- c. Will not be visible from publicly accessible vantage points:

- i. Seasonally (e.g., screened by summer foliage, but visible during other seasons).

***The proposed recreational complex will be used for active and passive and is intended to be developed as a park. Due to the proposed construction, trees and vegetation will be removed. An extensive planting plan will be implemented which will mitigate the reduction in vegetation due to the proposed development. The existing second growth forested areas which are located at the perimeter of the property (with the exception of the northern property boundary) are proposed to be preserved and enhanced by the implementation of a forestry management plan which shall augment and enhance existing screening.***

- ii. Year round

***The significant buffer between the proposed facility and adjoining viewpoints will soften the visual impacts during seasons where foliage doesn't exist. Some of the proposed plantings will be evergreen providing a constant visual buffer. For approximately one half of the year, the use of the facility will be significantly decreased specifically to the field sports which in turn will eliminate the need for any lighting of the fields.***

- 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.

***The park will be partially visible from Stony Street during leaf off times of the year.***

- ii. Recreational or tourism based activities. *N/A*

- e. Will not cause a diminishment of the public enjoyment and appreciation of the designated aesthetic resource. *N/A*

- f. There are similar projects visible within the following distance of the proposed project:

***0-1/2 mile – none***

***½ -3 miles - FDR Park***

***3-5 miles - Downing Park***

***5+ miles -***

- 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.

The proposed action;

- 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.

***Up until the 1980’s the central section of the site was utilized for recreational and agricultural purposes. Upon abandonment, these areas have experienced early successional growth as evidenced by a substantial herbaceous layer with some moderate shrub and tree components. The majority of the vegetation which has colonized these areas are invasive, non-native species and as a result, there is not a great diversity of habitat for wildlife opportunities. The north-central section of the site is presently a practice field which is covered with turf grass. The areas above are considered to be previously developed with little ecological services. The majority of the proposed development is located in these previously disturbed areas. An extensive mitigation and landscaping plan has been developed which will involve the removal of invasive species and the creation of wetland meadow and native grass/shrub areas located predominately between the access road and Stony Street. This will provide greater vegetative diversity which will create greater nesting and foraging opportunities and increase biodiversity in this area. The perimeter of the site, with the exception of the northern property border, exhibits second growth forest characteristics and consists predominately of a variety of native hardwood species. These areas are wildlife corridors which provide access as well as refugium for a variety of avian, reptile, amphibians and mammals. There is however, very little supportive shrub of herbaceous components due to extensive deer browse in these locations. The proposed construction will encroach into the southwest perimeter of the site. This will not greatly impact the corridor as there is substantial open space immediately adjacent to this area. The implementation of recommendations included in a forestry management plan developed for the adjoining Sylvan Glen Park will be implemented to create opportunities for forest regeneration and increased diversity.***

- b. Will result in the loss of a current or future recreational resource. **N/A**
- c. Will not eliminate open space or recreational resource in an area with few such resources. **N/A**
- d. Will result in loss of an area now used informally by the community as an open space resource. **N/A**

13. **Impacts on Transportation:** *The proposed action may result in a change to the existing transportation system.*

The proposed action:

- a. Proposed traffic increase may exceed capacity of the existing road network.

***We refer to the Traffic Study prepared for the adjacent International School titled "Traffic Impact Analysis for Proposed Shrub Oak International School" dated April 27, 2017 prepared by H2M . Any traffic impacts will be mitigated.***

- b. Will not result in the construction of paved parking area for 500 or more vehicles.

***The project will provide 230 gravel or grass paver parking spaces.***

- c. Will not degrade existing transit access.

***No transit access exists.***

- d. Will not degrade existing pedestrian or bicycle accommodations.

***The project will provide pedestrian access and bicycle parking.***

- e. Will not alter the present pattern of movement of people or goods.

***There is no present pattern of movement of people or goods.***

14. **Impact on Energy:** *The proposed action may cause an increase in the use of any form of energy.*

The proposed action;

- a. The proposed action will require a new, or an upgrade to an existing, substation. ***N/A***

- 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. ***N/A***

- c. The proposed action may utilize more than 2,500 MWh per year of electricity.

***The projected electricity usage for the project will exceed 50,000 KWh per year.***

- d. The proposed action may involve heating and/or cooling of more than 100,000 square feet of building area when completed. ***N/A***

15. **Impacts on Noise, Odor, and Light:** *The proposed action will result in an increase in noise, odors, or outdoor lighting.*

The proposed action;

- a. Will produce sound levels established by local regulation.

***During construction it can be expected that noise associated with typical construction activity can be expected. This will only be during the permitted hours for construction activity to occur.***

- b. Will not result in blasting within 1,500 feet of any residence, hospital, school, licensed day care center, or nursing home.

***This project will not result in blasting occurring.***

- c. Will not result in routine odors for more than one hour per day.

***The project will not produce odors.***

- d. The proposed action may result in light shining onto adjoining properties.

***The project will require the installation of new lighting fixtures which will be state of the art and designed with shielding so as not to shed additional light onto adjacent properties. All new lighting will be LED to provide the most efficient energy usage. There are no adjoining properties within close proximity of the lighting reach.***

- e. The proposed action may result in lighting creating sky-glow brighter than existing area conditions.

***The lighting will be night sky compliant.***

16. **Impact on Human Health:** The proposed action may have an impact on human health from exposure to new or existing sources of contaminants.

The proposed action;

- a. Is located within 1500 feet of a school, hospital, licensed day care center, group home, nursing home or retirement community.

***The site is adjacent to the former Phoenix Academy.***

- b. There is no completed emergency spill remediation, or a completed environmental site remediation on, or adjacent to, the site of the proposed action. **As per NYSDEC website.**

- c. Is not subject to an institutional control limiting the use of the property (e.g., easement or deed restriction). **N/A**

- d. Will not affect institutional control measures that were put in place to ensure that the site remains protective of the environment and human health. **N/A**

- e. 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.

***No hazardous waste will be generated from this project.***

- f. Will not involve construction or modification of a solid waste management facility. ***N/A***
- g. Will not result in the unearthing of solid or hazardous waste. ***N/A***
- h. Will result in an increase in the rate of disposal, or processing, of solid waste.

***Yes. During construction solid waste will be generated by demolition of an abandoned cottage. Miscellaneous construction debris may be generated throughout construction. During normal operations, post-construction, typical waste and litter will be disposed of by licensed trash and waste hauler as per customary practice and standard recycling practices will be observed.***

- i. Will not result in excavation or other disturbance within 2000 feet of a site used for the disposal of solid or hazardous waste. ***N/A***
- j. Will not result in the migration of explosive gases from a landfill site to adjacent off site structures. ***N/A***
- k. Will not result in the release of contaminated leachate from the project site. ***N/A***
- l. Will not result in the release of contaminated leachate from the project site. ***N/A***

17. **Consistency with Community Plans:** *The proposed action is consistent with adopted land use plans.*

The proposed action:

- a. Will be a land use components not different from, or in sharp contrast to, current surrounding land use pattern(s).

***The project site has a history of being used as a recreational facility for what was initially the Jesuit Seminary starting in the 1950's. At some point the facility was no long in use until recently the property was acquired by the Town of Yorktown and the grass playing field was re-established. The proposed project is consistent with this use.***

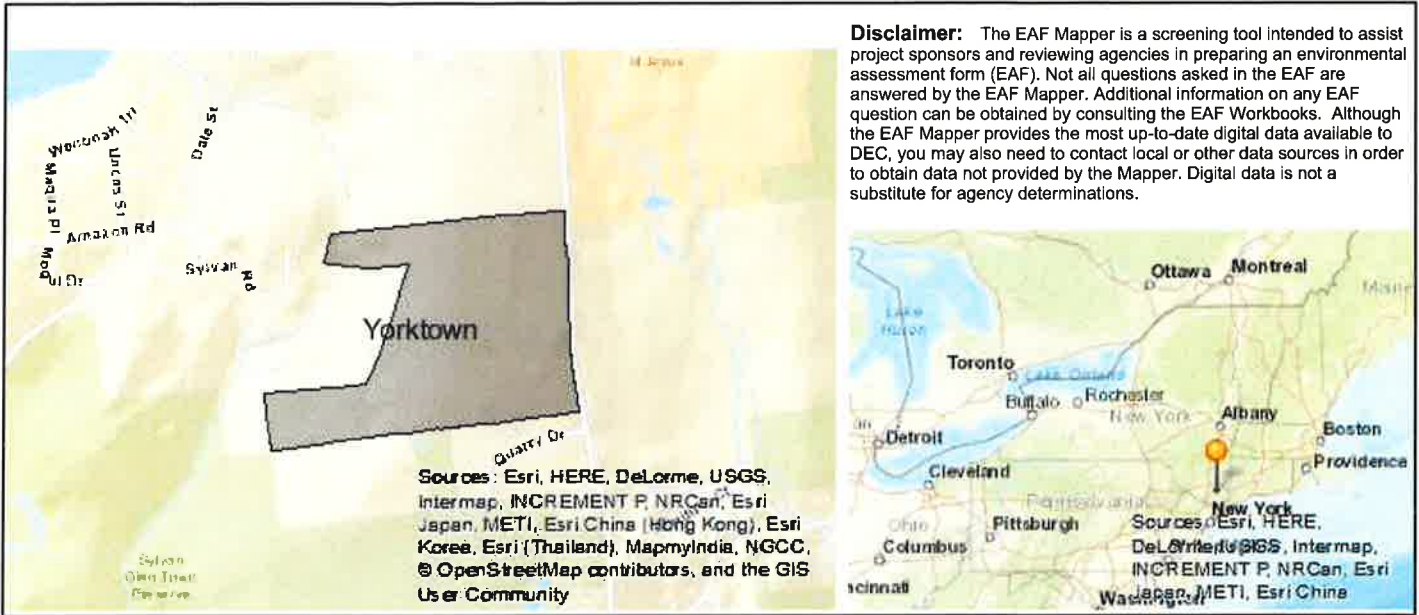
- b. Will not cause the permanent population of the city, town or village in which the project is located to grow by more than 5%. ***N/A***
- c. Is consistent with local land use plans or zoning regulations.

***Yes this site has been targeted as a recreational facility by the Town of Yorktown.***

- d. Is consistent with any County plans, or other regional land use plans. **N/A**
  - e. Will not cause a change in the density of development that is not supported by existing infrastructure or is distant from existing infrastructure. **N/A**
  - f. Is not located in an area characterized by low density development that will require new or expanded public infrastructure. **N/A**
  - g. Will not induce secondary development impacts (e.g., residential or commercial development not included in the proposed action) **N/A**
- 18. Consistency with Community Character:** *The proposed project is inconsistent with the existing community character.*

The proposed action;

- a. Will not replace or eliminate existing facilities, structures, or areas of historic importance to the community. **N/A**
- b. Will not create a demand for additional community services (e.g. schools, police and fire) **N/A**
- c. Will not may displace affordable or low-income housing in an area where there is a shortage of such housing. **N/A**
- d. May interfere with the use or enjoyment of officially recognized or designated public resources. **N/A**
- e. Is inconsistent with the predominant architectural scale and character. **N/A**
- f. Is not inconsistent with the character of the existing natural landscape. **N/A**



**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]	No
C.2.b. [Special Planning District]	Yes - Digital mapping data are not available for all Special Planning Districts. Refer to EAF Workbook.
C.2.b. [Special Planning District - Name]	NYC Watershed Boundary
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]	Yes
E.2.h.iii [Surface Water Features]	Yes - Digital mapping information on local and federal wetlands and waterbodies is known to be incomplete. Refer to EAF Workbook.
E.2.h.v [Impaired Water Bodies]	No
E.2.i. [Floodway]	No
E.2.j. [100 Year Floodplain]	No
E.2.k. [500 Year Floodplain]	No
E.2.l. [Aquifers]	No
E.2.n. [Natural Communities]	No
E.2.o. [Endangered or Threatened Species]	No



E.2.p. [Rare Plants or Animals]	No
E.3.a. [Agricultural District]	No
E.3.c. [National Natural Landmark]	No
E.3.d [Critical Environmental Area]	No
E.3.e. [National Register of Historic Places]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.3.f. [Archeological Sites]	Yes
E.3.i. [Designated River Corridor]	No

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

# Environmental Resource Mapper

Base Map: Topographical



- 
- 
- Layers and Legend**
- All Layers
- ★ Unique Geological Features
- Waterbody Classifications for Rivers/Streams
- Waterbody Classifications for Lakes
- Other Wetland Layers**
- Reference Layers**
- Tell Me More...**
- Need A Permit?**
- Contacts**



HOME SUBMIT SEARCH COMMUNICATE

Welcome Guest User | CRIS

Criteria Spatial Results

Lookup USN Survey National Register Library

USN Number: ex: 00101.001001

National Register Number: ex: 94NR00710

Survey Number: ex: 14SR00001

Submission Token: ex: ABCDEF012345

Search [Reset]



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Delaware Park, New York State

HOME SUBMIT SEARCH COMMUNICATE

Welcome Guest User | Log Out

Criteria Spatial Results

Lookup USN Survey National Register Library

**USN Number:** ex: 00101.001001

**National Register Number:** ex: 94NR00710

**Survey Number:** ex: 14SR00001

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Search

Reset

**Criteria**

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**Results**

**USN Number:** ex: 00101.001001

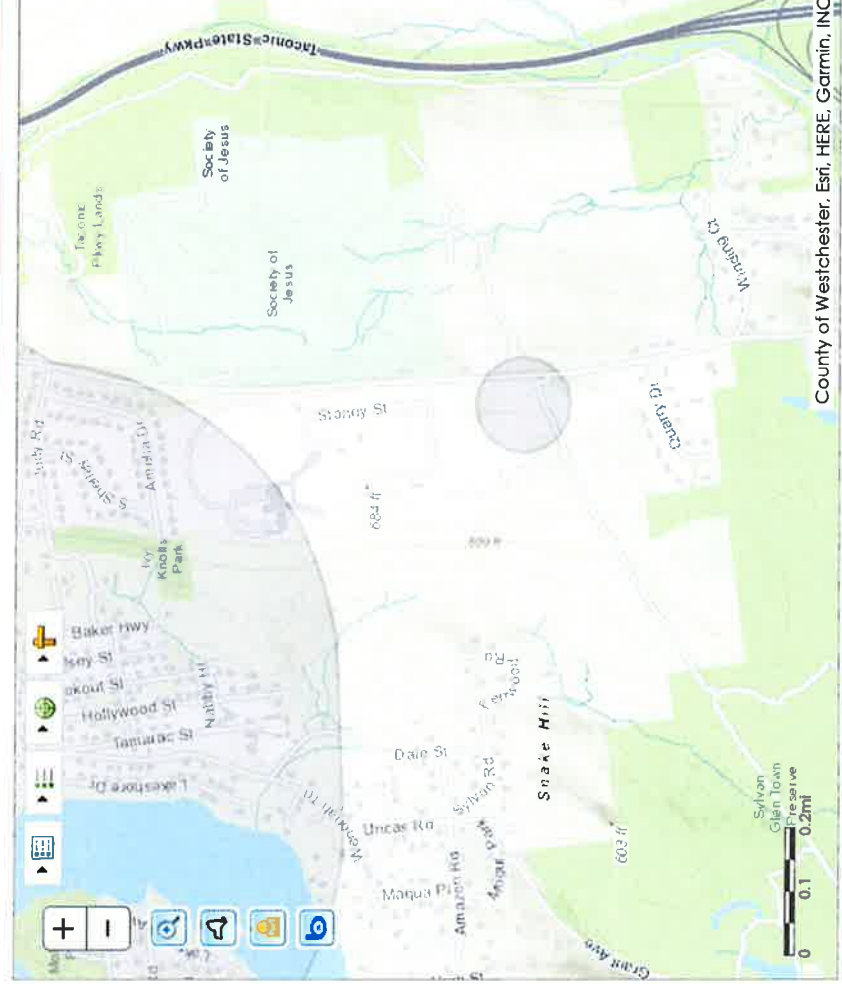
**National Register Number:** ex: 94NR00710

**Survey Number:** ex: 14SR00001

**Submission Token:** ex: ABCDEF012345

Search

Reset



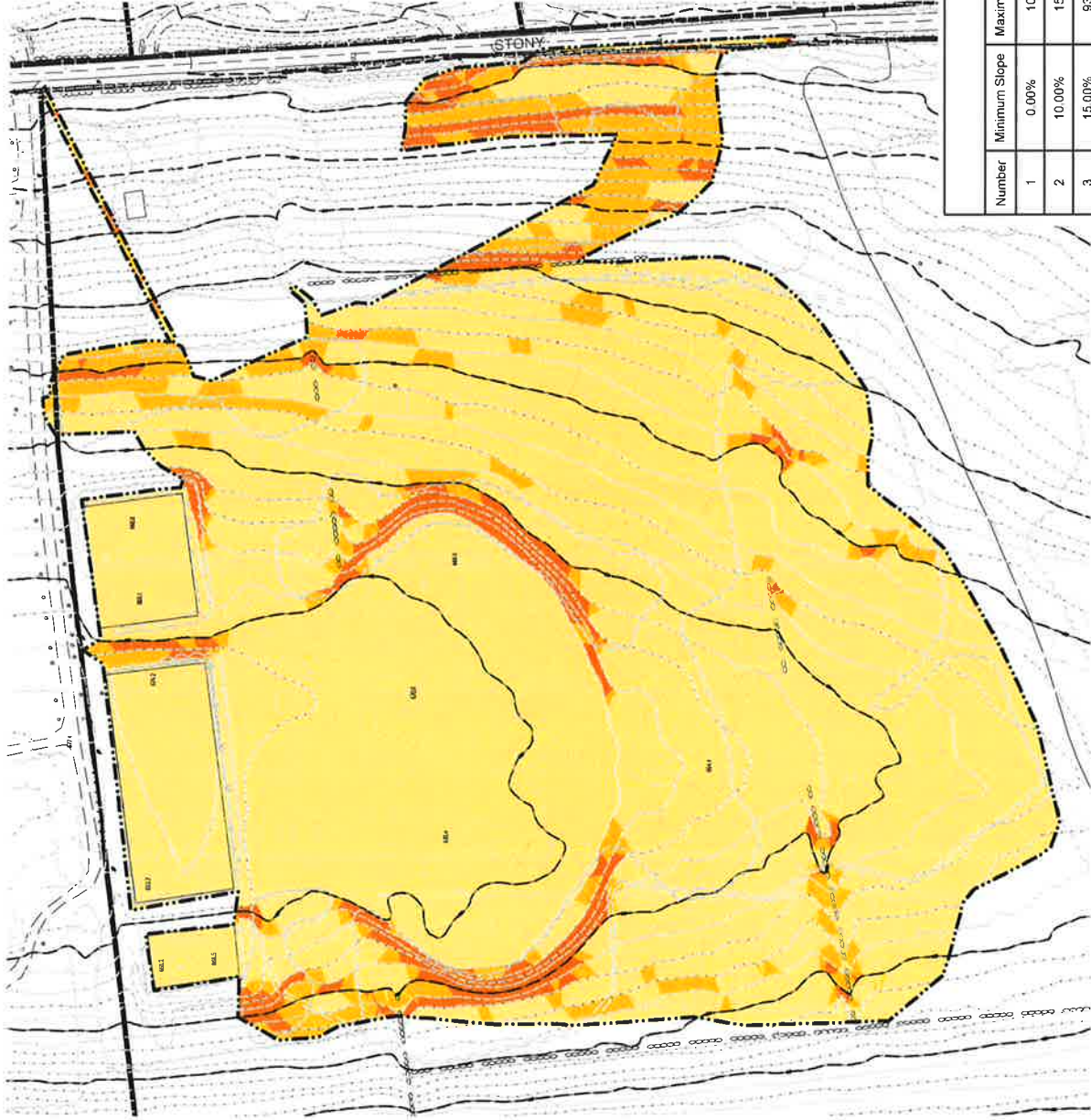
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# GRANITE KNOLLS SPORTS & RECREATIONAL COMPLEX

TOWN OF YORKTOWN  
WESTCHESTER COUNTY, NY  
TAX MAP # 26.09-1-22

## SLOPE MAP



Slopes Table

Number	Minimum Slope	Maximum Slope	Color	AREA (sf)	AREA (AC)	% SLOPE DIST.
1	0.00%	10.00%	Yellow	729930	16.76	84
2	10.00%	15.00%	Orange	83026	1.91	10
3	15.00%	83.15%	Red	52941	1.22	6

PREPARED BY:

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JUNE 2017