

**BRENNAN RESIDENCE, LLC
2200 Saw Mill River Rd
Yorktown Heights, NY**

**STORMWATER
POLLUTION PREVENTION
PLAN**

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TABLE OF CONTENTS

1.0 OBJECTIVE	4
2.0 OWNER’S RESPONSIBILITIES	4
3.0 CONTRACTOR’S RESPONSIBILITIES	4
4.0 PRE-DEVELOPMENT CONDITIONS	5
4.1 Existing Soil Conditions	5
4.2 Watercourses.....	6
4.3 Wetlands	6
5.0 PROPOSED PROJECT DESCRIPTION	6
5.1 Anticipated Permits.....	7
5.1.1 New York State Department of Environmental Conservation	7
5.1.2 Town of Yorktown –MS4 Approval – (Pending).....	8
5.1.3 NOI Application Permit	8
(Refer to attached Appendix)	
5.1.4 Army Corp of Engineers (ACOE).....	8
5.2 NOI Application Outline	8
6.0 TEMPORARY EROSION AND SEDIMENT CONTROLS.....	8
6.1 Erosion and Sediment Control Practices	8
6.1.1 Stabilized Construction Entrance (SCE) /Exit.....	8
6.1.2 Silt Fence.....	8
6.1.3 Temporary Seeding and Stabilization.....	8
6.1.4 Materials Handling	8
6.1.5 Turbidity Curtain	9
6.1.6 Erosion Control Blanket.....	9
7.0 SEQUENCE OF CONSTRUCTION.....	10
8.0 INSPECTION AND MAINTENANCE	16
8.1 Inspections and Record Keeping During Construction	16
8.1.1 Record Forms.....	16
8.1.2 Inspections.....	17
8.1.3 Erosion and Sediment Control Maintenance Measures	18
8.1.4 Stabilized Construction Entrance/Exit.....	19
8.1.5 Silt Fence	19
8.1.6 Soil Stabilization.....	19
8.1.7 Turbidity Curtain	20
8.1.8 Erosion Control Blanket	20
8.2 Maintenance Requirements.....	20
8.2.1 Responsible Entity.....	20
8.3 Post-Construction Operation and Maintenance	20

APPENDIX A

- A: Certifications
- B: Construction Inspection Logs
- C: Maintenance Schedule – Temporary & Permanent
- D: NOI Application -NYSDEC
- E: MS-4 SWPPP Acceptance Form filed with Town of Southeast
- F: Long Form EAF
- G: DEC mapper
- H: Geotube® Specifications

DRAWINGS **(attached)**

- DRAWING SY1: Site Plan
- DRAWING SY2: Erosion Control Plan
- DRAWING SY3: Details & Sequence of Construction

1.0 Objective

P.W. Scott Engineering & Architecture, P.C. (PWSE&A, PC) prepared this Stormwater Pollution Prevention Plan (SWPPP) in accordance with the following applicable rules, regulations, and guidance documents:

- New York State Stormwater Management Design Manual, latest version produced by NYSDEC;
- New York State Standards and Specifications for Erosion and Sediment Control, latest version produced by NYSDEC;
- City of New York, Rules and Regulations for the Protection from Contamination, Degradation and Pollution of the New York City Water Supply and its Sources;
- Town of Yorktown, Stormwater Management and Erosion and Sediment Control, Section 248-6A (1).

The objectives of this SWPPP are to:

1. Outline Owner and Contractor responsibilities to maintain compliance with SPDES GP-0-15-002, including required inspections, maintenance, forms, and certifications.
2. Outline measures to install, inspect, and maintain erosion and sediment control measures for the proposed project. The objective of these measures is to eliminate or significantly minimize pollutant discharges to the adjacent surface water bodies during construction activities.
3. Post construction water quality practices are not required due to the scope of the project,

2.0 Owner's Responsibilities

Mr. Brennan, the "Owner," is responsible to ensure that the Contractor installs and maintains the erosion and sediment control measures in accordance with this SWPPP. The Owner is also responsible to ensure that the appropriate forms and certifications contained herein are completed prior to and throughout the duration of demolition and construction activities. The Owner shall keep a copy of this document, associated attachments, and any inspection reports generated on-site for the duration of the project and for a minimum of 5 years from the date that the site achieves final stabilization. The Owner should ensure that the provisions of the SWPPP are implemented from the commencement of construction activity until all areas of disturbance have achieved final stabilization and the Notice of Termination (NOT) has been submitted to the appropriate NYSDEC office. The Owner should maintain a copy of the SPDES GP-0-15-002, Notice of Intent (NOI), NOI acknowledgement letter, SWPPP, MS4 SWPPP Acceptance Form and inspection reports at the construction site until all disturbed areas have achieved final stabilization and the Notice of Termination (NOT) has been submitted to NYSDEC. The documents must be maintained in a secure location, such as a job trailer, on site construction office, or mailbox with lock that is accessible during normal working hours to an individual performing a compliance inspection. The owner can retain the services of Qualified Storm- water Management Firm for supervision and compliance.

Refer to Appendix A for certification.

3.0 Contractor's Responsibilities

The Contractor is responsible for reading this entire SWPPP and related project specifications and reviewing all forms, certifications, and contract drawings to become familiar with all aspects related to the SPDES GP-0-15-002. The Contractor shall retain a signed copy of this SWPPP and all associated attachments onsite from the initiation of the dredging and proposed fill activities to the date of final stabilization. The Contractor is responsible for completing the certification contained herein prior to the commencement of demolition and proposed construction activities. The certification shall be signed by a president or any person who performs similar decision making functions and by the on-site individual having responsibility for the firm. Each of the subcontractors involved in the implementation of erosion and sediment control measures must also complete a certification. The Contractor is responsible for each of the subcontractors

employed by the Contractor that are involved in the implementation of erosion and sediment controls.

It is the duty of the Contractor to properly install and maintain all erosion and sediment control measures on the site as per this SWPPP. The Contractor shall also be responsible for the inspection of all erosion and sediment control measures for the proposed project site by a qualified inspector as per this SWPPP. Should the Owner, an owner's representative, or any local authority having jurisdiction deem that the SWPPP or the Contractor's implementation of the SWPPP proves to be ineffective in eliminating or significantly minimizing the pollutants or achieving the goals of the SPDES GP-0-15-002, the Contractor shall take any necessary action to conform to the objectives of the permit at no additional cost to the Owner.

The Contractor shall inspect and report the disturbed and stabilized areas for the duration of the project as indicated on the Record of Stabilization and Demolition and Construction Activities form contained herein. It is the duty of the Contractor to properly inspect and maintain all erosion and sediment control measures installed on the site as per this SWPPP. Any revision to the SWPPP in design, demolition and construction activities, inspection, or maintenance shall be reflected by the Contractor in the on-site copy of the SWPPP in a timely manner. At the beginning of this work, the Contractor must designate a qualified inspector. The Contractor shall coordinate with the Engineer of Record to ensure that all of the inspection requirements are in conformance with this SWPPP and the requirements of the SPDES GP-0-15-002. On a weekly basis, copies of all inspection forms and maintenance records shall be organized and filed accordingly by the Contractor.

Refer to Appendix A for certification.

4.0 Pre-Development Conditions

Project Summary

Project Description

The subject property is located at 2200 Sawmill River Road near the intersection with Broad Street in the Town of Yorktown. The subject parcel consist of two tax lots, identified as **Tax Map: 37.10, Block: 2, Lot: 66 of 3.5 acres and Tax Map: 37.10, Block: 2, Lot: 67 of 7.81 acres**. The existing pond is proposed to be dredged to return to pre-sedimentation levels.

Existing Condition

The existing site consists of a sporadically wooded site that extends from Broad Street, down a slope west to the pond. The land slopes steeply on the west side up to the neighboring property. The soils within the site consist of:

<u>Soil</u>	<u>Hydrogeological Classification</u>
Fluvaquents (Ff) - 15 to 25 percent slopes	D
Leicester Loam (LcB) - 3 to 8 percent slopes	C
Paxton Fine Sandy Loam (PnB) - 2 to 8 percent slopes	C
Paxton Fine Sandy Loam (PnD) - 15 to 25 percent slopes	C

4.1 Existing Soil Conditions

The following soils are found on the property or adjacent sites based on the United States Department of Agriculture (USDA) Natural Resource Conservation Service Soil Survey of Putnam and Westchester Counties, New York.

**Table 4-1
Project Site Soil Types**

Symbol	Soil Series Name	Hydrologic Soil Group	Drainage Characteristics
Ff	Fluvaquents-Udifluents	D	This unit consists of very deep, well drained to very poorly drained, nearly level soils that are formed in recent alluvial deposits. The soils are frequently flooded which results in stream scouring, lateral erosion and shifting of the soil from place to place. Slopes range from 0 to 3%. Individual areas are mostly long and narrow and adjacent to streams.
LcA	Leicester Loam	C	This soil is nearly level, very deep and somewhat poorly drained and poorly drained. It is in the uplands and along small drainage ways in bedrock-controlled areas. Stones larger than 10 inches in diameter cover .01 – 0.1 percent of the surface and are about 25 to 75 feet apart. Individual areas of this unit are irregularly shaped or occur as long and narrow strips about 2 to 10 acres in size.
PnB	Paxton Fine Sandy Loam	C	This soil is gently sloping, very deep, and well drained. It is on broad ridges and small hills. Individual areas are irregularly shaped or are long and narrow. They have 2 to 8% slope. They range from about 2 to 75 acres in size.
PnD	Paxton Fine Sandy Loam	C	This soil is Moderately sloped, very deep, and well drained. It is on the sides and tops of broad ridges and small hills. Individual areas are irregularly shaped or are long and narrow. They have 15 to 25% slope. They range from about 2 to 75 acres in size.

5. Source: Soil Survey of Putnam and Westchester Counties, New York, USDA Soil Conservation Service.

Note: * indicates soil unit is within the proposed footprint of disturbance. "K" Factor given indicates the erosion potential of each soil type. This indicates the susceptibility of a soil to sheet and rill erosion by water. Values of "K" range from 0.05 to 0.69. The higher the value the more susceptible the soil to erosion.

4.2 Watercourses

The site has been inspected by representative of the town. The buffer required for the pond extends 100 feet beyond the edge of the high water mark.

NYSDEC – The stream is bisected in the north/south direction by Hallocks Mill Brook, NYSDEC Water Index # H-31-P44-14-1 with a Class C (T) designation. Since the pond is within this watercourse it is under the Class C (T) designation.

4.3 Wetlands

The pond is considered the wetland area. This requires a 100' wetland buffer. The wetlands are not within the New York State protected freshwater wetlands.

5.0 Proposed Project Description

The project consists of Phase II of the overall dam rehabilitation. The general steps are as follows.

The overall project includes excavation of a dam diversion channel, movement of excavated material to the Phase I disposal area as a temporary holding location until the channel is backfilled. Downstream of the diversion channel, an existing channel must be cleaned.

Minor dredging of the pond in the wet is required to set the Portadam on suitable sub-base, moving this dredged material to the disposal area, and excavating the material beneath the new dam in the dry and again moving the excavated material to the disposal area.

With the completion of the project, the channel areas are restored with a grass finish, and any material not used remains in the Disposal area with a grass finish. The paved driveway is replaced across the dam to the remainder of the driveway. The access lane to the disposal

area is marked on the site plan with arrows indicating truck traffic, with the trucks returning to the site in the opposite direction. The concrete trucks service the mass pour from the south driveway entering from Saw Mill River Road with concrete wash-out pits indicated on the site plan. The overall disturbance for the project is under 1.0 acres.

Limits of Disturbance

The plans outline the project limit of disturbance on Dwg. SY1:

Phase II Impact Areas

Excavation of Diversion Channel & Drain Down pipe

Surface Area: 0.25 acres

Material: 1807 cy X 1.5 swell = 2711 cy/20cy = 135 truck trips(excavation & fill)

Material Storage Area (from channel)

Storage at Depth of 6' max.: 452 sf = .01 acres

Additional Pond Excavation (suction harvesting) for Portadam Anchoring

Surface Area = 0.16 acres

Material (est. @ 2') = 775 cy.

Portadam Disturbance Limited to Area of Excavation

Above – Consists of wood framing/rubber liner.

Dam Footing Excavation (in the dry)

Surface Area: 3500 sf = 0.08 acres

Material Volume (est. @ 24" – relocated to storage area): 260 cy.

Existing channel Cleanup

Downstream removal of wood debris: Surface Area: 0.23 acres

Repair the driveway at the diversion channel: 0.06 acres

Overall Disturbances for Stream Diversion and Dam Construction: 0.78 acres

Additional Impacts:

Existing Driveway – Material Transportation Corridor

900 lf x 12' wide = 0.25 acres (limited to debris cleanup from truck traffic)

Net area of disturbance under 1.0 acres.

5.1 Anticipated Permits

The following is a list of anticipated permits for the construction activities associated with the proposed project.

5.1.1 New York State Department of Environmental Conservation

Coverage under the SPDES GP-0-15-002 will be required as part of the proposed development. The hydraulic section harvesting is not considered a NYSDEC definition of "construction activity" since exposed soils are not disturbed. Under Table B – Disturbances: Under 1 acre requires only erosion control plans.

The SWPPP is being prepared in compliance with the requirements of the New York State Stormwater Management Design Manual.

NYSDEC Protection of Waters Permit is required (Part 608.8) Joint Application for Permit Form to be filed.

NYSDEC Dam Safety: A dam permit is required for the renovation and replacement of the dam.

5.1.2 Town of Yorktown

- Stormwater, Soil Erosion and Sediment Control Permit(Town Code Chapter 178)
- The Town of Yorktown, as a regulated land use MS4 agent, is responsible to review the SWPPP and complete the MS4 acceptance form prior to filing the Notice of Intent with the NYSDEC.

5.1.3 New York City Department of Environmental Protection

The project is exempt from DEP as the disturbance is under one acre.

5.1.4 Army Corp. of Engineers (ACOE)

The ACOE requires a NWP3 Permit for maintenance within navigable waters.

5.2 NOI Application Outline

Attached in Appendix D is the NYSDEC Application Outline form prepared by PWSE&A PC, which shall be filed with the Town of Yorktown and subsequent issuance of an MS-4 permit number (pending). This basic data was used to register the scope of the project within the NYSDEC database.

6.0 Temporary Erosion and Sediment Controls

The proposed dredged materials will be in close proximity to the pond to minimize impact on the site. In this way, significant impacts to topography and slopes will be avoided. The chosen project location will result in the least potential for erosion and sedimentation impacts and the slope is approximately 15% to 20%. The existing and proposed grading plan is shown on Drawing SY1.

6.1 Erosion and Sediment Control Practices

The following are specific erosion control measures as identified in the drawings prepared for this project.

6.1.1 Stabilized Construction Entrance (SCE) /Exit

The construction entrance shall have a stabilized aggregate pad underlain with filter cloth to prevent construction vehicles from tracking sediment off-site.

6.1.2 Silt Fence

Silt fence shall be installed on the down gradient edge of disturbed areas parallel to existing or proposed contours. Silt fence are to be used where stakes can be properly driven into the ground as per the Silt Fence Barrier Detail in the New York State Standards and Specifications for Erosion and Sediment Control and as shown on the Drawings. Hay bales will be installed down slope of the silt fence as an added barrier to the water leaving the geo-tubes and returning to the pond.

Silt fence controls sediment runoff where the soil has been disturbed by slowing the flow of water and encouraging the deposition of sediment before the water passes through the straw bale or silt fence. Built-up sediment shall be removed from silt fences when it has reached one-third the height of the bale/fence and properly disposed.

6.1.3 Temporary Seeding and Stabilization

In areas where dredging and construction activities have ceased, temporary seeding or permanent landscaping shall be performed to control sediment-laden runoff and provide stabilization to control erosion during storm events. This temporary seeding/stabilization or permanent landscaping shall be in place no later than 14 days after demolition and construction activity has ceased.

6.1.4 Materials Handling

The Contractor must store the geo-tubes in the noted areas. Once the material is well-drained, after a period of several months, the bags will be opened and the

material spread from south to north across the material depository area to a height of approximately two feet, levelly out some of the existing topography. Prior to commencing any construction activities the contractor shall obtain all necessary permits or verify that all permits have been obtained.

6.1.5 Turbidity Curtain

To contain the sediment from release over the dam spillway a curtain is proposed extending across the pond. The curtain shall be in place during all Suction Harvesting activities. The contractor shall submit a manufacturer's specification sheet to the EOR prior to placement to approve the product.

6.1.6 Erosion Control Blanket

Any slopes greater than 15% shall be stabilized with a geotextile slope erosion control blanket. Blanket shall be placed per manufacturer's specifications.

EROSION AND SEDIMENT CONTROL SEQUENCE OF CONSTRUCTION

INTRODUCTION

This narrative describes the erosion and sediment controls proposed for this project, discusses the construction sequence and states the requirements for inspection and maintenance of the erosion and sediment controls. The plan has been designed in accordance with the State of New York "Standards and Specifications for Erosion and Sediment Control."

The sequences provided include anticipated start dates, which are predicated on municipal and state agency approvals.

GENERAL SPECIFICATIONS

2. Prior to construction, all existing utility line locations must be verified in field (Call Before You Dig) 1-800-962-7962 or 811
3. Surveyor to stake out the location of proposed structures prior to start of construction.
4. A pre-construction conference is to be held on the site with the design engineer, the owner, the construction contractor, the zoning enforcement officer, the town engineer, and the NYSDEC to review the Erosion and Sediment Control Plan.
5. During construction, if storm event over a 1" storm takes place: contractor personnel must be on site with machinery and additional materials to address any erosion issues. The Engineer of Record (EOR) must be contacted of any such event.
5. Erosion and sediment control measures are the responsibility of the developer of record. The responsibility includes installation and maintenance of all control measures, informing all parties involved in site construction of the plans objectives and requirements, notification of the Town of Yorktown of any transfer of this responsibility, and transferring a copy of the certified erosion and sediment control plan, should the title of all or part of the land be transferred, to respective parties.
6. NYSDEC shall be notified of construction through filing of NOI with inspections under NYSDEC regulations. Individual lot NOI shall be coordinated with the Building Inspector.

NYSDEC Inspections

All erosion control measures are to be inspected and maintained on a regular basis throughout the construction period and until all disturbed land has been stabilized by vegetation.

In compliance with the NOI, twice per week inspection report and inspection before and after any storm events greater than 1" in depth are required by NYS Certified Erosion Control Inspectors or a Licensed Professional Engineer. Results of said inspection on NYSDEC Inspection forms shall be maintained within a Large Mail Box posted at the entrance to the site by the Contractor, available for inspection by NYSDEC personnel.

Refer to specific structures for required inspection schedules

For all items noted in the sequence refer to drawings SY2, and details provided on SY3.

SCOPE OF WORK

The project consists of Phase II of the overall dam rehabilitation. The general steps are as follows.

The overall project includes excavation of a dam diversion channel, movement of excavated material to the Phase I disposal area as a temporary holding location until the dam is constructed and the diversion channel is backfilled. Downstream of the diversion channel, an existing channel must be cleaned to accept the brook flow.

Minor dredging of the pond in the wet is required to set the Portadam on suitable sub-base, with moving of this dredged material to the disposal area, and excavating the material beneath the new dam in the dry and again moving the excavated material to the disposal area.

With the completion of the project, the channel areas are restored with a grass finish, and any material not used remains in the Disposal area with a grass finish. The paved driveway is replaced across the dam and the remainder of the driveway cleaned with a road sweeper of any material residue. The access lane to the disposal area is marked on the site plan with arrows indicating truck traffic, with the trucks returning to the site in the opposite direction. The concrete trucks service the mass pour from the south driveway entering from Saw Mill River Road with concrete wash-out pits indicated on the site plan. Upon completion of the dam, the wash out areas are backfilled.

The overall disturbance for the project is under 1.0 acres as noted on drawing SY1.

The Brook Diversion procedure is as follows:

Step 1: Dredge along area of Portadam structure to remove sediments above the hard bottom level, an additional excavation of 3.0 feet.

Step 2: Install a drain down pipe and valve. Drain down pond.

Step 3: Excavate a diversion channel from the down stream end up to the existing earthen dam and maintain watertight integrity of the dam.

Step 4: Install the Portadam from the west side to the east side past the diversion channel.

Step 5: Break through the dam with the diversion channel behind the Portadam structure.

Step 6: The Portadam company will line the channel with a rubber membrane and mold it to the Portadam liner from the back side to create one integral liner.

Step 7: Open up the Portadam section above the channel, and the flow is now diverted around the dam work area.

Step 8: The new dam foundation is excavated to rock elevation: 403 to 408 per boring data.

Step 9: The dam is poured, cured and completed in the dry up stream of the existing dam, effectively trapping any concrete which could discharge from the forms.

Step 10: After the new dam is cured; 28 days, the channel is again closed off with the Portadam cofferdam and the channel is backfilled for incorporation into the earthen portion of the dam. A concrete wall extends across the diversion channel for additional protection of the installed material.

Step 11: The water level is controlled by the valve which is incorporated into the dam to ensure the cofferdam is not overtopped. Once the channel is filled and stabilized, water is permitted to drain across the dam crest and the final portion of the Portadam is removed.

Each step includes an erosion control sequence to ensure no sediment leaves the site. The following sequence of construction is proposed to ensure this site integrity.

Site mobilization and Erosion Control installation

Duration - Approximately 0.5 Months (Jan 15 to Feb 1, 2019)

Area of Disturbance – Access Area; Accessway and Material Storage	0.60 Acres
Total:	0.60 Acres

Construction Activity – Install of erosion control devices, preparation for material movement to the disposal area.

Installation of Erosion Control Structures

1. All existing utility line locations to be verified in field prior to start of construction. (Call Before You Dig) 1-800-962-7962 OR 811
2. Contractor to photograph the entire area of disturbance to establish a base line for lawn remediation once the project is complete.
3. Install limit of disturbance construction fence around the area of work at the channel excavation. (ref 4/SY3) Ensure south entry is closed to traffic.
4. Install silt fence along the limit of disturbance per the approved plans for the access drive to the disposal area(ref 2/SY3)
5. Install tree protection fencing around the access road trees, if required. (ref 6/SY4)
6. Install construction entrance off the driveway as shown. (ref 1/SY3)
7. Install the temporary accessway with Typar 3400 Base with 3” of wood chips and proceed to the terminus point on the plan. (ref 3/SY3)
8. Install turbidity curtain 10.0 feet from existing dam and extend to pond bottom. Allow gap on west side to permit flow across undisturbed pond bottom to spillway. (ref 5/SY3).
9. Install silt fence with hay bale backing along the pond side of the Material Depository Area. (ref 2/SY3).
10. The Town Engineer must inspect the erosion control devices prior to any pond hydraulic harvesting.
11. Any area disturbed for a period of over 14 days shall be seeded and mulched for stability.

Step 1: Site Plan construction includes: dredging of pond sediments.

Duration - Approximately 0.5 Months (Feb 1 to Feb 15, 2019)

Area of Disturbance – Access Area; Accessway and Material Storage	0.60 Acres
Pond Dredging(not considered NYSDEC disturbance)	<u>0.20 Acres</u>
Total:	0.80 Acres

Construction Activity –Dredging of the pond base for the Cofferdam (Portadam).

Dredging of Pond

The contractor shall coordinate with the E.O.R. on start date. If inclement weather is anticipated, the contractor shall delay work accordingly to minimize the potential of pond bottom sediment migration over the existing spillway. The pond is to be monitored for turbidity during each day of the dredging operation. If the pond turbidity allows material to exit the spillway, all work must cease for that day to allow settlement of the bottom. All wood and debris recovered from the pond shall be deposited within the silt fence area for removal off site on a weekly basis.

Carefully suction dredge within the area located on the site plan. The procedure is place a small Geotube within a truck, suction the material into the geo-tube and then drop the Geotube at the disposal area for dewatering. The dredging continues only if adequate capacity is present within the geo-tubes on the site. Add additional Geo-tubes as necessary.

The contractor shall ensure that adequate pond base is reached for Porto-dam to locate their equipment. Portadam must send in a diver to verify the subsoil integrity to achieve closure of this step. Excessive dredging is the responsibility of the contractor and cannot be construed as an extra to the client. A daily chart must be maintained to document the dredging zone (40'x40') grid, completed each day and the depths achieved when work is stopped for the day. The contractor shall monitor any migration of silt/muck between suction zones.

Dewatering of Material

The contractor shall monitor the stability of the Geo-tubes as the work continues. During long periods of inclement weather, the contractor can cover the material with tarps to, with the best effort, maintain the moisture content. Prior to the opening of any Geotubes and depositing of material on-site, the E.O.R. shall inspect the material for proper consistency and authorization to spread on the site.

Step 2-4: Excavation of the Diversion Channel and transport to disposal area.

Duration - Approximately 0.50 Month (Feb 15-March 1, 2019 or after adequate dewatering)

Area of Disturbance – Cleaning of Downstream Channel	0.23Acres
Excavation of Channel	0.25Acres
Installation of drain down valve and piping	incl. above
Transportation to Disposal Area	0.25 Acres
Total:	0.73 Acres

Excavation of material cannot take place during a rain or snow event to limit runoff. The material must be removed promptly since there is no room for stockpiling at the site. The truck travel path has to be swept once per week of any sediment. Any open excavation must be covered with tarps if inclement weather is predicted. Once the channel has been

excavated, the Portadam must be installed promptly, so the contractor must coordinate the ordering of the liner.

Step 8-9: Concrete pour of the new Dam.

Duration - Approximately 1.00 Month (March 1, to April 1, 2019)

Area of Disturbance – Dam base excavation 0.08 Acres

The site is excavated with soil moved to the Disposal Area. The Dam has to be placed on ledge rock for proper anchoring and support. Slope stabilization of the excavation may require steel boxes or structural cribbing which shall be designed and installed by the contractor or a third party contractor hired by the contractor. The office of P.W. Scott Engineering and Architecture P.C. is not responsible for the design and implementation of the excavation stability cribbing.

Install the concrete wash out pits along the concrete truck access lane per detail:8/SY3.

Step 10: Backfilling of the dam

Duration - Approximately 0.2 Month (April 1, to April 15, 2019)

Area of Disturbance – Dam base excavation 0.08 Acres

All material backfilling must be completed in lifts with the material of sufficient moisture content to ensure 95% proctor levels. The EOR must inspect the material and if necessary, a moisture analysis may be required by a testing laboratory.

The gap between the existing dam and the new dam is closed with a concrete slurry and a poured in place concrete spillway shelf extending from the new dam across the existing dam. The flow will extend across the spillway and fall to the channel as takes place on the site.

The dam includes an earthen dam component which is installed per the sectionals provided. The surface includes a grass surface outlined as follows:

1. All material shall be deposited in 12” lifts and compacted to ensure stability.
2. All exposed areas shall be seeded and mulched within 7 days. All embankments are to be graded and seeded immediately upon being laid back and stabilized as follows:

Graded to finished slopes

- A. Scarified with debris clean-ups
- B. Top soiled with not less than four (4) inches of suitable topsoil material
- C. Temporarily seeded with the following mixture:

<u>Mix</u>	<u>Lbs./Acre</u>
Rye Grass	30
Winter Condition: Cert (Aroostok Winter Rye, Coral Rye)	100

- D. Mulched with not less than one (1) inch and not more than three (3) inches of straw or hay [two (2) tons/acre].

3. The pond shall require topsoil on the sides to ensure adequate vegetation cover in areas of disturbance which shall be installed at this time.
4. The pond shall be inspected by Town of Yorktown personnel and EOR for construction compliance.
5. Only after the areas permanent seeding has achieved a complete vegetation cover shall the erosion control fencing and hay bales be removed and deposited off site.

This completes the common element of the construction.

PORTADAM SEQUENCE OF CONSTRUCTION

The following is the specific installation criteria for the Portadam Cofferdam

PHASE I

Refer to Portadam Schematic.

6. Install drain down valve box
7. Install drain down pipe – 36” SCH 80 PVC
8. Install leading edge pipe
Approximately 30’ long steel or PVC: Ensure solid supports under pipe at joints since extends across clay & pond muck.
4. Excavate approximately 5’ prior to installation of pond silt in area of Portadam Phase I.
5. Portadam installs Phase I frames and sealing membrane (20 oz / sy) and Portadam structure.
6. With stream sealed and lowered with drain down pipe complete test boring with excavator at 30’ increments to verify rock depth.
Excavate channel from lower section extending to opening elevation at max. 3% grade.
7. Complete the channel excavation. Soil material can be moved to Brennan rear yard since exiting culvert bridge crossing is not required.
The soil must be placed in 15’ wide rows perpendicular to grade for dewatering.
8. Once the channel is excavated the Contractor shall roll out the channel liner along the bottom, unfold the liner up along the side slopes. Liner is 40 oz / sy as specified by Portadam.
9. Install precast concrete liner anchors at entrance and discharge end-anchor through pre-cast holes with rebar and welded caps as noted.
10. As noted on Phase II diagram, place additional membrane on east side of the bank connected to the channel liner to cover concrete entrance pad and overlap main sealing membrane.

Phase II

1. Remove Phase I Portadam and initiate relocation to the west side. The channel is now flowing.
2. Excavate 5’ check into the west bank for the membrane seal.
3. Remove 5’ + sediments along Phase II Portadam orientation.
4. Install Portadam frames and install sealing membrane. Note: Portadam membrane section through which the drain down pipe extends does not move.
5. At the corner of the channel add clay material as a berm and seal at the channel membrane and Portadam intersection.
6. Extend Portadam to the western shore.

7. Once base seal is verified along membrane and pond bottom interface, concrete dam excavation can commence.
8. Contractor to ensure dam excavation does not impact integrity of the Portadam up stream by either undermining or contact with the membrane with construction equipment.

Phase III

1. Once dam is inspected and cured the channel can be removed.
2. Note: Top of Portadam is relocated again across leading edge of the channel to elevation 411.5 minimum. Discharge across the dam established at 414.0 at the spillway so time is of the essence to complete channel closure with suitable fill to prevent Portadam overtopping.
3. Remove channel liner at entrance to channel.
4. Install earth across an 85' wide section from elevation 404 to 416.5 which with 3 to 1 slope equals a bottom width of (3) (12.5) (2) + 10' min. top width equal to 85 feet along the channel. Note: Lifts are 12" thick and require 95% proctor level compaction. Testing lab can establish the moisture content to achieve this level of compaction.
5. Once the earth berm is in place – remove the remainder of the channel liner and backfill.
6. Item #4 is placed for the driveway. The soils may dictate TYPAR 3400 Geotech Fabric for stability.
7. Remove Phase III Portadam to clear the pond site.

8.0 Inspection and Maintenance

8.1 Inspections and Record Keeping During Construction

Once the contract has been let, the name, address, and phone number of responsible parties for maintenance will be provided to the NYSDEC. The following is a description of the maintenance and inspection practices that will be implemented as part of the project. Maintenance and inspection is important to ensure that the stabilization and structural practices that are part of the SWPPP continue to be effective in preventing sediment and other pollutants from entering the stormwater system. It is the responsibility of the owner or operator to ensure that inspections are completed in accordance with NYSDEC regulations.

8.1.1 Record Forms

Inspection and maintenance is important to ensure that the erosion and sediment control practices that are part of the SWPPP continue to be effective in preventing sediment and other pollutants from entering the stormwater system. It is the responsibility of the owner to ensure that inspections are completed in accordance with SPDES GP-0-15-002.

As a part of the SWPPP inspection and maintenance activities during construction, forms shall be updated and kept on-site, including:

- Erosion and Sediment Control Inspection Report
- Monthly Summary of Inspection Activities

Inspections would be conducted by the qualified inspector periodically according to the schedule required by the SPDES GP 0-15-002 twice per week. During each inspection, the qualified inspector would record the areas of disturbance, deficiencies in erosion and sediment control practices, required maintenance, and areas of temporary or permanent stabilization. The need for modifications to the Erosion and Sediment Control Plan would be identified and implemented immediately.

The Erosion and Sediment Control Inspection Report will be completed by a qualified inspector to fully document each inspection. A qualified inspector is a person knowledgeable in the principles and practices of erosion and sediment control, such as a licensed Professional Engineer, Certified Professional in Erosion and Sediment Control (CPESC), licensed Landscape Architect, or other NYSDEC endorsed individual(s). It also means someone working under the direct supervision of the licensed Professional engineer or licensed Landscape Architect, provided the person has training in the principles and practices of erosion and sediment control. Training in the principles and practices of erosion and sediment control means that an individual performing the site inspection has received four hours of training, which has been endorsed by the NYSDEC, from a Soil and Water Conservation District, CPESC, Inc., or other NYSDEC endorsed entity, in proper erosion and sediment control principles no later than two years from the date SPDES GP-0-15-002 is issued. After receiving the initial training, an individual working under the direct supervision of the licensed Professional Engineer or licensed Landscape Architect shall receive four hours of training every three years.

8.1.2 Inspections

Inspections shall be conducted by the qualified inspector periodically according to the following schedule:

1. When construction activities are ongoing, the qualified inspector shall conduct a site inspection at least Twice Per Week per NYSDEC regulations.
2. If soil disturbance activities have been temporarily suspended (e.g. winter shutdown) and temporary stabilization measures have been applied to all disturbed areas, the qualified inspector shall conduct a site inspection at least once every thirty (30) calendar days. The owner or operator shall notify the Regional Office stormwater contact person in writing prior to reducing the frequency of inspections.
3. If soil disturbance activities have been shut down with partial project completion, the qualified inspector can stop conducting inspections if all areas disturbed as of the project shutdown date have achieved final stabilization and all post-construction stormwater management practices required for the completed portion of the project have been constructed in conformance with the SWPPP and are operational. The owner or operator shall notify the Regional Office stormwater contact person in writing prior to the shutdown. If soil disturbance activities have not resumed within 2 years from the date of shutdown, the owner or operator shall have the qualified inspector(s) perform a final inspection and certify that all disturbed areas have achieved final stabilization, and all temporary, structural erosion and sediment control measures have been removed, and that all post-construction stormwater management practices have been constructed in conformance with the SWPPP by signing the "Final Stabilization" and "Post-Construction Stormwater Management Practice" certification statements on the Notice of Termination (NOT). The owner or operator shall then submit the completed NOT form in accordance with NYSDEC regulations.

During each inspection, the qualified inspector should fill out the Erosion and Sediment Control Inspection Report as directed below:

On the Erosion and Sediment Control Inspection Report site map show the following:

- Disturbed site areas and drainage pathways.

- Site areas that are expected to undergo initial disturbance or significant site work within the next 14-day period.
- Site areas that have undergone temporary or permanent stabilization.
- In areas where soil disturbance activity has been temporarily or permanently ceased, temporary and/or permanent soil stabilization measures shall be installed and/or implemented within seven (7) days from the date the soil disturbance activity ceased. The soil stabilization measures selected shall be in conformance with the most current version of the technical standard, New York State Standards and Specifications for Erosion and Sediment Control.

Record the following information on the Erosion and Sediment Control Inspection Report:

- For each structural measure, circle YES, NO, or N/A (not applicable) to indicate if the pollutant control measure is in conformance with specifications.
- For each structural measure, circle YES, NO, or N/A to indicate whether the structural measure is performing effectively in minimizing stormwater pollution.
- Inspect all sediment control practices and record the approximate degree of sediment accumulation as a percentage of the sediment storage volume in the allocated location on the Inspection Form Chart (i.e., 10 percent, 20 percent, and 50 percent).
- A description of the condition of the runoff at all points of discharge from the construction site. This shall include identification of any discharges of sediment from the construction site. Include discharges from conveyance systems (i.e., pipes, culverts, ditches, etc.) and overland flow;
- A description of the condition of all natural surface water bodies located within, or immediately adjacent to, the property boundaries of the construction site, which receive runoff from, disturbed areas. This shall include identification of any discharges of sediment to the surface water body;

The qualified inspector will give a brief explanation for all locations where he/she has noted that the structural practice was either not in conformance with specifications or in need of repair. This should be noted in the Erosion and Sediment Control Inspection Report. The qualified inspector will then give a brief recommendation for soil erosion and sediment control practices that were not installed properly or are not functioning as designed and need to be reinstalled or replaced.

8.1.3 Erosion and Sediment Control Maintenance Measures

All maintenance described below shall be completed in accordance with the New York State Standards and Specifications for Erosion and Sediment Control. Any material removed from erosion and sediment control measure shall be properly disposed.

All measures will be maintained in good working order; if repairs are found to be necessary, the qualified inspector shall notify the owner or operator and appropriate contractor (and subcontractor) of any corrective actions needed within one business day. The contractor (or subcontractor) shall begin implementing the corrective actions within one business day of this notification and shall complete the corrective actions in a reasonable time frame.

A maintenance inspection report, titled "Erosion and Sediment Control Inspection Report," will be made after each inspection conducted by a qualified inspector.

Disturbed areas and materials storage areas will be inspected for evidence of potential pollutants entering stormwater systems. Within one business day of the completion of

the inspection, the qualified inspector shall notify the owner or operator and the appropriate contractor (or subcontractor) of any corrective actions that need to be taken.

The contractor (or subcontractor) shall begin implementing the corrective actions within one business day of this notification and shall complete the corrective actions in a reasonable time frame.

A Monthly Summary of Site Inspection Activities will be prepared and kept on file with completed Erosion and Sediment Control Inspection Report. A Record of Stabilization and Construction Activities will be prepared and kept on file with the completed Construction Duration Inspection Forms.

The following are the maintenance requirements for each practice that will be implemented at the site.

8.1.4 Stabilized Construction Entrance/Exit

The stabilized construction entrance shall be maintained in a condition that will prevent the tracking or flow of sediment onto public rights-of-way. All sediment spilled, dropped, washed or tracked onto public rights-of-way must be removed immediately; streets shall be swept as needed, on a daily basis. The gravel pad shall be replaced as necessary.

8.1.5 Silt Fence

Maintenance of all silt fences shall be performed as needed. If a silt fence is knocked down, it shall be replaced immediately. When a silt fence appears deteriorated or ineffective and/or built up sediment reaches one-third the height of the fence, the silt fence shall be replaced and/or cleaned accordingly. When "bulges" of material develop on the fence, they shall be removed.

Silt fence control sediment runoff where the soil has been disturbed by slowing the flow of water and encouraging the deposition of sediment before the water passes through the silt fence. Built-up sediment shall be removed from silt fences when it has reached one-third the height of the fence and properly disposed.

Hay bales will be located on the down slope side of the silt fence as an added layer of protection. If the bale deteriorates or breaks down, replace the bale.

8.1.6 Soil Stabilization

To ensure that the site is properly seeded and stabilized, the Contractor must initiate stabilization measures as soon as practicable in areas of the site where construction activities have permanently ceased and in no case more than 14 days after the construction activity in that portion of the site has temporarily or permanently ceased. The Contractor will be responsible for the maintenance of the vegetated cover for the duration of construction activities. The areas shall be monitored to ensure that vegetation achieves good coverage over the entire disturbed section. Additional seeding shall be completed as needed. Watering shall be provided as needed.

In areas where soil disturbance activity has been temporarily or permanently ceased, temporary and/or permanent soil stabilization measures shall be installed and/or implemented within seven days from the date the soil disturbance activity ceased. The soil stabilization measures selected shall be in conformance with the most current version of the technical standard, New York State Standards and Specifications for Erosion and Sediment Control.

8.1.7 Turbidity Curtain

The curtain shall be inspected for proper anchoring, sediment collection, flow over the curtain break, and integrity of curtain. Tension adjustment and anchor placement shall take place on a weekly basis.

8.1.8 Erosion Control Blanket

Any rilling and erosion of the basin side slopes should be evaluated and adequate stabilization should be provided. Rolled erosion control blankets or other stabilization practices should be installed on the side slopes. The outlet structure should be inspected for damages, accumulation of sediment, trash and debris, and overall performance. If sediment-laden stormwater is leaving the basin then additional erosion and sediment control practices may be required.

8.2 Maintenance Requirements

The responsibility for the implementation of long term operation and maintenance of a post-construction storm water management practice shall be vested with the property owner: Brennan Residence LLC or their successors, by a legally binding and enforceable mechanism as prepared by the project attorney and approved by the NYCDEP legal department. The following items are provided in compliance with Section 3.5 of the NYSSMDM, 2010 Manual.

8.2.1 Responsible Entity

Identity of the entity responsible for long-term operation and maintenance of the storm water practices:

Brennan Residence, LLC
2200 Saw Mill River Road
Yorktown Heights, New York 10589
Tel #: 646-496-8193

8.3 Post-Construction Operation and Maintenance

Following completion of construction, a long-term inspection and maintenance program will be implemented to ensure the proper function of the stormwater management system. The program will be carried out by the Owner of the pond. The maintenance program is located in Appendix A.

APPENDIX A

A: Certifications

B: Construction Inspection Logs

C: Maintenance Schedule – Temporary & Permanent

D: NOI Application -NYSDEC

E: MS-4 SWPPP Acceptance Form filed with Town of Yorktown

F: Long Form EAF

G: DEC Mapper

H: Geotube® Specifications

Preparer's Certification

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that false statements made herein are punishable as a class A misdemeanor pursuant to Section 210.45 of the Penal Law."

Signed _____ Date _____

Name Peder W. Scott, PE, RA.

Company PW Scott Engineering and Architecture P.C.

Address 3871 Danbury Road, Brewster, NY 10509

Phone 845-278-2110

Document SWPPP

Site Brennan Residence - 2200 Saw Mill River Rd, Yorktown Heights, NY 10598

* The SPPP Implementer must be a trainer contractor responsible for SPPP implementation, an employee of the firm who has received training in accordance with SPEDES GP-0-10-001.



Owner/Operator Certification Form

SPDES General Permit For Stormwater Discharges From Construction Activity (GP-0-15-002)

Project/Site Name: Brennan Residence, LLC

eNOI Submission Number: DEC ID# 3-5554-00330/00001

eNOI Submitted by: Owner/Operator SWPPP Preparer Other

Certification Statement - Owner/Operator

I have read or been advised of the permit conditions and believe that I understand them. I also understand that, under the terms of the permit, there may be reporting requirements. I hereby certify that this document and the corresponding documents were prepared under my direction or supervision. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further understand that coverage under the general permit will be identified in the acknowledgment that I will receive as a result of submitting this NOI and can be as long as sixty (60) business days as provided for in the general permit. I also understand that, by submitting this NOI, I am acknowledging that the SWPPP has been developed and will be implemented as the first element of construction, and agreeing to comply with all the terms and conditions of the general permit for which this NOI is being submitted.

Murray
Owner/Operator First Name

Brennan
M.I. Last Name

Signature

1/4/17

Date

Contractor's Certification

"I hereby certify that I understand and agree to comply with the terms and conditions of the SWPPP and agree to implement any corrective actions identified by the qualified inspector during a site inspection. I also understand that the owner or operator must comply with the terms and conditions of the most current version of the New York State Pollutant Discharge Elimination System ("SPDES") general permit for stormwater discharges from construction activities and that it is unlawful for any person to cause or contribute to a violation of water safety quality standards. Furthermore, I understand that certifying false, incorrect or inaccurate information is a violation of the referenced permit and the laws of the state of New York and could be subject me to criminal, civil and/or administrative proceedings."

Signed _____ Date _____

Name Tom Alfredo

Company Alfredo LDC

Address PO Box 250

Armonk, NY 10604

Phone (914) 666-3950

Site Brennan Residence, LLC, 2220 Saw Mill River Rd, Yorktown, NY

SWPPP Implementer's Name _____

SWPPP Implementer's Title _____

Contractor's Scope _____

Trained Contractor's Name _____

Trained Contractor's Title _____

* The SWPPP Implementer must be a trainer contractor responsible for SPPP implementation, an employee of the firm who has received training in accordance with SPEDES GP-0-15-002.



SWPPP Preparer Certification Form

*SPDES General Permit for Stormwater Discharges
From Construction Activity (GP-0-15-002)*

Project Site Information

Project/Site Name

Brennan Residence Pond Dredging/Repair

Owner/Operator Information

Owner/Operator (Company Name/Private Owner/Municipality Name)

Sir Murray Brennan, M.D.

Certification Statement – SWPPP Preparer

I hereby certify that the Stormwater Pollution Prevention Plan (SWPPP) for this project has been prepared in accordance with the terms and conditions of the GP-0-15-002. Furthermore, I understand that certifying false, incorrect or inaccurate information is a violation of this permit and the laws of the State of New York and could subject me to criminal, civil and/or administrative proceedings.

Peder

First name

W

MI

Scott, P.E., R.A.

Last Name

Signature

1/4/17

Date

INSPECTION FORM

RECORD OF STABILIZATION, DEMOLITION, AND CONSTRUCTION ACTIVITIES

A record of dates when major grading activities occur, when construction activities temporarily or permanently cease on a portion of the site, and when stabilization measures are initiated shall be maintained until final site stabilization is achieved and the notice of termination is filed. Maintain this form in log book at the project site.

MAJOR GRADING, CONSTRUCTION OR STABILIZATION ACTIVITIES

Description of Activity: _____
Begin Date: _____ Site Contractor: _____
Location: _____
End Date: _____

Description of Activity: _____
Begin Date: _____ Site Contractor: _____
Location: _____
End Date: _____

Description of Activity: _____
Begin Date: _____ Site Contractor: _____
Location: _____
End Date: _____

Description of Activity: _____
Begin Date: _____ Site Contractor: _____
Location: _____
End Date: _____

Description of Activity: _____
Begin Date: _____ Site Contractor: _____
Location: _____
End Date: _____

EROSION AND SEDIMENT CONTROL INSPECTION REPORT

Page 1 of ____

SITE PLAN/SKETCH

Provide a concise sketch indicating construction activities, location and description of stormwater runoff from the site, stabilization activities, and soil erosion and sediment control BMPs. Indicate BMPs improperly installed or in need of repair. The inspector shall notify the contractor(s) and subcontractor(s) of necessary repairs of BMPs required within one business day of this inspection.

Provide a brief description of soil and weather conditions:

Qualified Inspector (print name)

Date of Inspection

Qualified Professional (print name)

Qualified Professional Signature

The above signed acknowledges that, to the best of his/her knowledge, all information provided on the forms is accurate and complete.

EROSION AND SEDIMENT CONTROL INSPECTION REPORT

Maintaining Water Quality

- | Yes | No | NA | |
|--------------------------|--------------------------|--------------------------|-------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Is there an increase in turbidity causing a substantial visible contrast to natural conditions? |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Is there residue from oil and floating substances, visible oil film, or globules or grease? |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | All disturbance is within the limits of the approved plans. |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Have receiving lake/bay, stream, and/or wetland been impacted by silt from project? |

Housekeeping

1. General Site Conditions

- | Yes | No | NA | |
|--------------------------|--------------------------|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Is construction site litter and debris appropriately managed? |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Are facilities and equipment necessary for implementation of erosion and sediment control in working order and/or properly maintained? |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Is construction impacting the adjacent property? |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Is dust adequately controlled? |

2. Temporary Stream Crossing

- | Yes | No | NA | |
|--------------------------|--------------------------|--------------------------|--------------------------------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Maximum diameter pipes necessary to span creek without dredging are installed. |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Installed non-woven geotextile fabric beneath approaches. |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Is fill composed of aggregate (no earth or soil)? |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Rock on approaches is clean enough to remove mud from vehicles & prevent sediment from entering stream during high flow. |

Runoff Control Practices

1. Excavation Dewatering

Yes	No	NA	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Upstream and downstream berms (sandbags, inflatable dams, etc.) are installed per plan.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Clean water from upstream pool is being pumped to the downstream pool.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sediment laden water from work area is being discharged to a silt-trapping device.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Constructed upstream berm with one-foot minimum freeboard.

2. Level Spreader

Yes	No	NA	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Installed per plan.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Constructed on undisturbed soil, not on fill, receiving only clear, non-sediment laden flow.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Flow sheets out of level spreader without erosion on downstream edge.

3. Interceptor Dikes and Swales

Yes	No	NA	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Installed per plan with minimum side slopes 2H:1V or flatter.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Stabilized by geotextile fabric, seed, or mulch with no erosion occurring.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sediment-laden runoff directed to sediment trapping structure

4. Stone Check Dam

Yes	No	NA	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Is channel stable? (flow is not eroding soil underneath or around the structure).
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Check is in good condition (rocks in place and no permanent pools behind structure).
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Has accumulated sediment been removed?

5. Rock Outlet Protection

Yes No NA

Installed per plan.

Installed concurrently with pipe installation.

Soil Stabilization

1. Topsoil and Spoil Stockpiles

Yes No NA

Stockpiles are stabilized with vegetation and/or mulch.

Sediment control is installed at the toe of the slope.

2. Revegetation

Yes No NA

Temporary seeding and mulch have been applied to idle areas.

4 inches minimum of topsoil has been applied under permanent seeding

Sediment Control

1. Stabilized Construction Entrance

Yes No NA

Stone is clean enough to effectively remove mud from vehicles.

Installed per standards and specifications?

Does all traffic use the stabilized entrance to enter and leave site?

Is adequate drainage provided to prevent ponding at entrance?

2. Silt Fence

- | Yes | No | NA | |
|--------------------------|--------------------------|--------------------------|-----------------------------------------------------------------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Installed on Contour, 10 feet from toe of slope (not across conveyance channels). |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Joints constructed by wrapping the two ends together for continuous support. |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Fabric buried 6 inches minimum. |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Posts are stable, fabric is tight and without rips or frayed areas. |
| | | | Sediment accumulation is ____% of design capacity. |

3. Storm Drain Inlet Protection (Use for Stone & Block; Filter Fabric; Curb; or, Excavated practices)

- | Yes | No | NA | |
|--------------------------|--------------------------|--------------------------|--------------------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Installed concrete blocks lengthwise so open ends face outward, not upward. |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Placed wire screen between No. 3 crushed stone and concrete blocks. |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Drainage area is 1acre or less. |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Excavated area is 900 cubic feet. |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Excavated side slopes should be 2:1. |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 2" x 4" frame is constructed and structurally sound. |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Posts 3-foot maximum spacing between posts. |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Fabric is embedded 1 to 1.5 feet below ground and secured to frame/posts with staples at max 8-inch spacing. |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Posts are stable, fabric is tight and without rips or frayed areas. |
| | | | Sediment accumulation ____% of design capacity. |

4. Temporary Sediment Trap

- | Yes | No | NA | |
|--------------------------|--------------------------|--------------------------|-------------------------------------------------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Outlet structure is constructed per the approved plan or drawing. |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Geotextile fabric has been placed beneath rock fill. |
| | | | Sediment accumulation is ____% of design capacity. |

5. Temporary Sediment Basin

Yes	No	NA	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Basin and outlet structure constructed per the approved plan.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Basin side slopes are stabilized with seed/mulch.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Drainage structure flushed and basin surface restored upon removal of sediment basin facility.
			Sediment accumulation is ____% of design capacity.

Note: Not all erosion and sediment control practices are included in this listing. Add additional pages to this list as required by site specific design.

Construction inspection checklists for post-development stormwater management practices can be found in Appendix C of this document and Appendix F of the New York State Stormwater Management Design Manual.

Maintenance Schedule – During Construction – Temporary Structures

	Component	MINIMUM Inspection Required	After Every Storm Event	Item to Inspect	Sediment Removal Req'd	Special Inspection Items Inspect the following:	Maintenance and sediment removal
1	Construction Entrance	Weekly	X	Stone Placement	None	Stone Placement & soil deposit between stones	Repair Top Dressing with additional aggregate and correct stone placement.
2	Silt Fence	Bi-Weekly		Woven Wire Fence Alignment	Yes	Woven Wire & Fence Stability	Remove material when a "bulge" develops, ensure fence extends into soil and fence upright, staple fencing
3	Construction Fence	Bi-Weekly		Fence woven wire condition	None	Fence posts and grid	Fix fence upright and staple as required to ensure integrity.
4	Topsoil Stockpile Area	Bi-Weekly	X	Soil Pile Condition	None	Silt Fence at Base of Pile to be inspected and seeding reviewed.	Remove material when a "bulge" develops, ensure fence extends into soil and fence is upright, staple fencing
5	Turbidity Curtain	Weekly	X	Curtain integrity Clogging of Fabric	Yes	Anchoring of Curtain to Shore	Weekly scrape curtain and remove collected sediments behind curtain

Maintenance Schedule - Permanent Structures

<u>Erosion Control #</u>	<u>Component</u>	<u>Inspections Required</u>		<u>Items to Inspect</u>	<u>Planting Inspection & Maintenance</u>	<u>Planting Schedule Supplemental</u>		<u>Erosion or Task Displacement</u>		
		<u>Upon Permanent Installation</u>	<u>Schedule</u>			<u>1st year</u>	<u>2nd year</u>	<u>Annual</u>	<u>Inspect</u>	<u>Task</u>
1	Slope Stability Maintenance	X	Monthly*	Pond perimeter lawn area	Inspect plants, remove invasives	Spring & Fall	Verify grass cover >80% Repair Berm	1 st year 2 nd year Annually	Bi-annual inspect	Repair area & Replant Seed

NOTICE OF INTENT

New York State Department of Environmental Conservation



Division of Water

625 Broadway, 4th Floor

Albany, New York 12233-3505

NYR
(for DEC use only)

Stormwater Discharges Associated with Construction Activity Under State Pollutant Discharge Elimination System (SPDES) General Permit # GP-0-15-002
All sections must be completed unless otherwise noted. Failure to complete all items may result in this form being returned to you, thereby delaying your coverage under this General Permit. Applicants must read and understand the conditions of the permit and prepare a Stormwater Pollution Prevention Plan prior to submitting this NOI. Applicants are responsible for identifying and obtaining other DEC permits that may be required.

- IMPORTANT -

RETURN THIS FORM TO THE ADDRESS ABOVE

OWNER/OPERATOR MUST SIGN FORM

Owner/Operator Information

Owner/Operator (Company Name/Private Owner Name/Municipality Name)

B r e n n a n R e s i d e n c e , L L C

Owner/Operator Contact Person Last Name (NOT CONSULTANT)

B r e n n a n

Owner/Operator Contact Person First Name

M u r r a y

Owner/Operator Mailing Address

2 2 0 0 S a w M i l l R i v e r R d

City

Y o r k t o w n H e i g h t s

State

N Y

Zip

1 0 5 9 8 -

Phone (Owner/Operator)

9 1 4 - 9 6 2 - 4 9 4 9

Fax (Owner/Operator)

- -

Email (Owner/Operator)

b r e n n a n @ m s k c c . o r g

FED. TAX ID

- (not required for individuals)

Project Site Information

Project/Site Name

Brennan Residence, LLC

Street Address (NOT P.O. BOX)

2200 Saw Mill River Rd.

Side of Street

North South East West

City/Town/Village (THAT ISSUES BUILDING PERMIT)

Yorktown Heights

State Zip

NY 10598 -

County

Westchester

DEC Region

3

Name of Nearest Cross Street

Broad Street

Distance to Nearest Cross Street (Feet)

800

Project In Relation to Cross Street

North South East West

Tax Map Numbers

Section-Block-Parcel

37.10-2-65

Tax Map Numbers

1. Provide the Geographic Coordinates for the project site in NYTM Units. To do this you **must** go to the NYSDEC Stormwater Interactive Map on the DEC website at:

www.dec.ny.gov/ismaps/stormwater/viewer.htm

Zoom into your Project Location such that you can accurately click on the centroid of your site. Once you have located your project site, go to the tool boxes on the top and choose "i"(identify). Then click on the center of your site and a new window containing the X, Y coordinates in UTM will pop up. Transcribe these coordinates into the boxes below. For problems with the interactive map use the help function.

X Coordinates (Easting)

7 3 7 8 0

Y Coordinates (Northing)

4 1 2 8 2

2. What is the nature of this construction project?

New Construction

Redevelopment with increase in impervious area

Redevelopment with no increase in impervious area

3. Select the predominant land use for both pre and post development conditions.

SELECT ONLY ONE CHOICE FOR EACH

**Pre-Development
Existing Land Use**

- FOREST
- PASTURE/OPEN LAND
- CULTIVATED LAND
- SINGLE FAMILY HOME
- SINGLE FAMILY SUBDIVISION
- TOWN HOME RESIDENTIAL
- MULTIFAMILY RESIDENTIAL
- INSTITUTIONAL/SCHOOL
- INDUSTRIAL
- COMMERCIAL
- ROAD/HIGHWAY
- RECREATIONAL/SPORTS FIELD
- BIKE PATH/TRAIL
- LINEAR UTILITY
- PARKING LOT
- OTHER

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

**Post-Development
Future Land Use**

- SINGLE FAMILY HOME
- SINGLE FAMILY SUBDIVISION
- TOWN HOME RESIDENTIAL
- MULTIFAMILY RESIDENTIAL
- INSTITUTIONAL/SCHOOL
- INDUSTRIAL
- COMMERCIAL
- MUNICIPAL
- ROAD/HIGHWAY
- RECREATIONAL/SPORTS FIELD
- BIKE PATH/TRAIL
- LINEAR UTILITY (water, sewer, gas, etc.)
- PARKING LOT
- CLEARING/GRADING ONLY
- DEMOLITION, NO REDEVELOPMENT
- WELL DRILLING ACTIVITY *(Oil, Gas, etc.)
- OTHER

Number of Lots

--	--	--

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

*Note: for gas well drilling, non-high volume hydraulic fractured wells only

4. In accordance with the larger common plan of development or sale, enter the total project site area; the total area to be disturbed; existing impervious area to be disturbed (for redevelopment activities); and the future impervious area constructed within the disturbed area. (Round to the nearest tenth of an acre.)

Total Site Area	Total Area To Be Disturbed	Existing Impervious Area To Be Disturbed	Future Impervious Area Within Disturbed Area
14.1	0.8	0.0	0.0

5. Do you plan to disturb more than 5 acres of soil at any one time? Yes No

6. Indicate the percentage of each Hydrologic Soil Group (HSG) at the site.

A	B	C	D
0.0%	0.0%	88%	12%

7. Is this a phased project? Yes No

8. Enter the planned start and end dates of the disturbance activities.

Start Date	End Date
02 / 01 / 2019	10 / 1 / 2019

15. Does the site runoff enter a separate storm sewer system (including roadside drains, swales, ditches, culverts, etc)? Yes No Unknown

16. What is the name of the municipality/entity that owns the separate storm sewer system?

Two rows of empty rectangular boxes for text entry.

17. Does any runoff from the site enter a sewer classified as a Combined Sewer? Yes No Unknown

18. Will future use of this site be an agricultural property as defined by the NYS Agriculture and Markets Law? Yes No

19. Is this property owned by a state authority, state agency, federal government or local government? Yes No

20. Is this a remediation project being done under a Department approved work plan? (i.e. CERCLA, RCRA, Voluntary Cleanup Agreement, etc.) Yes No

21. Has the required Erosion and Sediment Control component of the SWPPP been developed in conformance with the current NYS Standards and Specifications for Erosion and Sediment Control (aka Blue Book)? Yes No

22. Does this construction activity require the development of a SWPPP that includes the post-construction stormwater management practice component (i.e. Runoff Reduction, Water Quality and Quantity Control practices/techniques)? Yes No
If No, skip questions 23 and 27-39.

23. Has the post-construction stormwater management practice component of the SWPPP been developed in conformance with the current NYS Stormwater Management Design Manual? Yes No

Table 1 - Runoff Reduction (RR) Techniques and Standard Stormwater Management Practices (SMPs)

<u>RR Techniques (Area Reduction)</u>	<u>Total Contributing Area (acres)</u>		<u>Total Contributing Impervious Area (acres)</u>	
<input type="radio"/> Conservation of Natural Areas (RR-1) ...	<input type="text"/>	<input type="text"/>	and/or	<input type="text"/>
<input type="radio"/> Sheetflow to Riparian Buffers/Filters Strips (RR-2)	<input type="text"/>	<input type="text"/>	and/or	<input type="text"/>
<input type="radio"/> Tree Planting/Tree Pit (RR-3)	<input type="text"/>	<input type="text"/>	and/or	<input type="text"/>
<input type="radio"/> Disconnection of Rooftop Runoff (RR-4) ..	<input type="text"/>	<input type="text"/>	and/or	<input type="text"/>
<u>RR Techniques (Volume Reduction)</u>				
<input type="radio"/> Vegetated Swale (RR-5)	<input type="text"/>	<input type="text"/>		<input type="text"/>
<input type="radio"/> Rain Garden (RR-6)	<input type="text"/>	<input type="text"/>		<input type="text"/>
<input type="radio"/> Stormwater Planter (RR-7)	<input type="text"/>	<input type="text"/>		<input type="text"/>
<input type="radio"/> Rain Barrel/Cistern (RR-8)	<input type="text"/>	<input type="text"/>		<input type="text"/>
<input type="radio"/> Porous Pavement (RR-9)	<input type="text"/>	<input type="text"/>		<input type="text"/>
<input type="radio"/> Green Roof (RR-10)	<input type="text"/>	<input type="text"/>		<input type="text"/>
<u>Standard SMPs with RRv Capacity</u>				
<input type="radio"/> Infiltration Trench (I-1)	<input type="text"/>	<input type="text"/>		<input type="text"/>
<input type="radio"/> Infiltration Basin (I-2)	<input type="text"/>	<input type="text"/>		<input type="text"/>
<input type="radio"/> Dry Well (I-3)	<input type="text"/>	<input type="text"/>		<input type="text"/>
<input type="radio"/> Underground Infiltration System (I-4)	<input type="text"/>	<input type="text"/>		<input type="text"/>
<input type="radio"/> Bioretention (F-5)	<input type="text"/>	<input type="text"/>		<input type="text"/>
<input type="radio"/> Dry Swale (O-1)	<input type="text"/>	<input type="text"/>		<input type="text"/>
<u>Standard SMPs</u>				
<input type="radio"/> Micropool Extended Detention (P-1)	<input type="text"/>	<input type="text"/>		<input type="text"/>
<input type="radio"/> Wet Pond (P-2)	<input type="text"/>	<input type="text"/>		<input type="text"/>
<input type="radio"/> Wet Extended Detention (P-3)	<input type="text"/>	<input type="text"/>		<input type="text"/>
<input type="radio"/> Multiple Pond System (P-4)	<input type="text"/>	<input type="text"/>		<input type="text"/>
<input type="radio"/> Pocket Pond (P-5)	<input type="text"/>	<input type="text"/>		<input type="text"/>
<input type="radio"/> Surface Sand Filter (F-1)	<input type="text"/>	<input type="text"/>		<input type="text"/>
<input type="radio"/> Underground Sand Filter (F-2)	<input type="text"/>	<input type="text"/>		<input type="text"/>
<input type="radio"/> Perimeter Sand Filter (F-3)	<input type="text"/>	<input type="text"/>		<input type="text"/>
<input type="radio"/> Organic Filter (F-4)	<input type="text"/>	<input type="text"/>		<input type="text"/>
<input type="radio"/> Shallow Wetland (W-1)	<input type="text"/>	<input type="text"/>		<input type="text"/>
<input type="radio"/> Extended Detention Wetland (W-2)	<input type="text"/>	<input type="text"/>		<input type="text"/>
<input type="radio"/> Pond/Wetland System (W-3)	<input type="text"/>	<input type="text"/>		<input type="text"/>
<input type="radio"/> Pocket Wetland (W-4)	<input type="text"/>	<input type="text"/>		<input type="text"/>
<input type="radio"/> Wet Swale (O-2)	<input type="text"/>	<input type="text"/>		<input type="text"/>

**Table 2 - Alternative SMPs
(DO NOT INCLUDE PRACTICES BEING
USED FOR PRETREATMENT ONLY)**

Alternative SMP	Total Contributing Impervious Area (acres)							
<input type="radio"/> Hydrodynamic								
<input type="radio"/> Wet Vault								
<input type="radio"/> Media Filter								
<input type="radio"/> Other								

Provide the name and manufacturer of the Alternative SMPs (i.e. proprietary practice(s)) being used for WQv treatment.

Name

Manufacturer

Note: Redevelopment projects which do not use RR techniques, shall use questions 28, 29, 33 and 33a to provide SMPs used, total WQv required and total WQv provided for the project.

30. Indicate the Total RRv provided by the RR techniques (Area/Volume Reduction) and Standard SMPs with RRv capacity identified in question 29.

Total RRv provided

. acre-feet

31. Is the Total RRv provided (#30) greater than or equal to the total WQv required (#28)?

Yes No

If Yes, go to question 36.

If No, go to question 32.

32. Provide the Minimum RRv required based on HSG.
[Minimum RRv Required = (P)(0.95)(Ai)/12, Ai=(S)(Aic)]

Minimum RRv Required

. acre-feet

32a. Is the Total RRv provided (#30) greater than or equal to the Minimum RRv Required (#32)?

Yes No

If Yes, go to question 33.

Note: Use the space provided in question #39 to summarize the specific site limitations and justification for not reducing 100% of WQv required (#28). A detailed evaluation of the specific site limitations and justification for not reducing 100% of the WQv required (#28) must also be included in the SWPPP.

If No, sizing criteria has not been met, so NOI can not be processed. SWPPP preparer must modify design to meet sizing criteria.

33. Identify the Standard SMPs in Table 1 and, if applicable, the Alternative SMPs in Table 2 that were used to treat the remaining total WQv(=Total WQv Required in 28 - Total RRv Provided in 30).

Also, provide in Table 1 and 2 the total impervious area that contributes runoff to each practice selected.

Note: Use Tables 1 and 2 to identify the SMPs used on Redevelopment projects.

33a. Indicate the Total WQv provided (i.e. WQv treated) by the SMPs identified in question #33 and Standard SMPs with RRv Capacity identified in question 29.

WQv Provided
. acre-feet

Note: For the standard SMPs with RRv capacity, the WQv provided by each practice = the WQv calculated using the contributing drainage area to the practice - RRv provided by the practice. (See Table 3.5 in Design Manual)

34. Provide the sum of the Total RRv provided (#30) and the WQv provided (#33a).

.

35. Is the sum of the RRv provided (#30) and the WQv provided (#33a) greater than or equal to the total WQv required (#28)? Yes No

If Yes, go to question 36.

If No, sizing criteria has not been met, so NOI can not be processed. SWPPP preparer must modify design to meet sizing criteria.

36. Provide the total Channel Protection Storage Volume (CPv) required and provided or select waiver (36a), if applicable.

CPv Required
. acre-feet

CPv Provided
. acre-feet

36a. The need to provide channel protection has been waived because:

- Site discharges directly to tidal waters or a fifth order or larger stream.
- Reduction of the total CPv is achieved on site through runoff reduction techniques or infiltration systems.

37. Provide the Overbank Flood (Qp) and Extreme Flood (Qf) control criteria or select waiver (37a), if applicable.

Total Overbank Flood Control Criteria (Qp)

Pre-Development
. CFS

Post-development
. CFS

Total Extreme Flood Control Criteria (Qf)

Pre-Development
. CFS

Post-development
. CFS

Owner/Operator Certification

I have read or been advised of the permit conditions and believe that I understand them. I also understand that, under the terms of the permit, there may be reporting requirements. I hereby certify that this document and the corresponding documents were prepared under my direction or supervision. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further understand that coverage under the general permit will be identified in the acknowledgment that I will receive as a result of submitting this NOI and can be as long as sixty (60) business days as provided for in the general permit. I also understand that, by submitting this NOI, I am acknowledging that the SWPPP has been developed and will be implemented as the first element of construction, and agreeing to comply with all the terms and conditions of the general permit for which this NOI is being submitted.

Print First Name

M u r r a y

MI

Print Last Name

B r e n n a n

Owner/Operator Signature

Murray Brennan

Date

11 / 09 / 2016



Department of
Environmental
Conservation

NYS Department of Environmental Conservation
Division of Water
625 Broadway, 4th Floor
Albany, New York 12233-3505

**MS4 Stormwater Pollution Prevention Plan (SWPPP) Acceptance
Form**

for

Construction Activities Seeking Authorization Under SPDES General Permit
*(NOTE: Attach Completed Form to Notice Of Intent and Submit to Address Above)

I. Project Owner/Operator Information

1. Owner/Operator Name: Murray Brennan
2. Contact Person: Peder Scott, P.E.
3. Street Address: 2200 Saw Mill River Rd
4. City/State/Zip: Yorktown Heights, NY 10598

II. Project Site Information

5. Project/Site Name: Brennan Residence, LLC
6. Street Address: 2200 Saw Mill River Rd
7. City/State/Zip: Yorktown, NY 10598

III. Stormwater Pollution Prevention Plan (SWPPP) Review and Acceptance Information

8. SWPPP Reviewed by:
9. Title/Position:
10. Date Final SWPPP Reviewed and Accepted:

IV. Regulated MS4 Information

11. Name of MS4:
12. MS4 SPDES Permit Identification Number: NYR20A
13. Contact Person:
14. Street Address:
15. City/State/Zip:
16. Telephone Number:

E1

MS4 SWPPP Acceptance Form - continued

V. Certification Statement - MS4 Official (principal executive officer or ranking elected official) or Duly Authorized Representative

I hereby certify that the final Stormwater Pollution Prevention Plan (SWPPP) for the construction project identified in question 5 has been reviewed and meets the substantive requirements in the SPDES General Permit For Stormwater Discharges from Municipal Separate Storm Sewer Systems (MS4s).
Note: The MS4, through the acceptance of the SWPPP, assumes no responsibility for the accuracy and adequacy of the design included in the SWPPP. In addition, review and acceptance of the SWPPP by the MS4 does not relieve the owner/operator or their SWPPP preparer of responsibility or liability for errors or omissions in the plan.

Printed Name:

Title/Position:

Signature:

Date:

VI. Additional Information

E2

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 1 is accurate and complete.

A. Project and Sponsor Information.

Name of Action or Project: Brennan - 2200 Saw Mill River Rd		
Project Location (describe, and attach a general location map): 2200 Saw Mill River Road & 2255 Broad St., Yorktown Heights, NY		
Brief Description of Proposed Action (include purpose or need): Diversion of Halleck's Mill Brook. Installation of cofferdam. Construction of upstream dam. Repair of existing dam facade.		
Name of Applicant/Sponsor: Murray Brennan/Brennan Residence, LLC/Hungry Horse Hollow, Inc.		Telephone: (646) 496-8193 E-Mail: brennanm@mskcc.org
Address: 2200 Saw Mill River Rd		
City/PO: Yorktown Heights	State: NY	Zip Code: 10598
Project Contact (if not same as sponsor; give name and title/role): Peder Scott, P.E., R.A. - PW Scott Engineering & Architecture, PC		Telephone: 845-278-2110 E-Mail: pwscott2@comcast.net
Address: 3871 Danbury Rd		
City/PO: Brewster	State: Ny	Zip Code: 10509
Property Owner (if not same as sponsor): (Same)		Telephone: E-Mail:
Address:		
City/PO:	State:	Zip Code:

B. Government Approvals

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

Government Entity	If Yes: Identify Agency and Approval(s) Required	Application Date (Actual or projected)
a. City Council, Town Board, or Village Board of Trustees <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Wetlands Level 3	Jan 2019
b. City, Town or Village Planning Board or Commission <input type="checkbox"/> Yes <input type="checkbox"/> No		
c. City Council, Town or Village Zoning Board of Appeals <input type="checkbox"/> Yes <input type="checkbox"/> No		
d. Other local agencies <input type="checkbox"/> Yes <input type="checkbox"/> No		
e. County agencies <input type="checkbox"/> Yes <input type="checkbox"/> No		
f. Regional agencies <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	NYCDEP - Exemption	
g. State agencies <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	NYSDEC - Protection of Waters Permit	Jan 2019
h. Federal agencies <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	ACOE - NWP27	Jan 2019
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

C.1. Planning and zoning actions.

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

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

C.2. Adopted land use plans.

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

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

If Yes, identify the plan(s):

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

If Yes, identify the plan(s):

C.3. Zoning	
a. Is the site of the proposed action located in a municipality with an adopted zoning law or ordinance. If Yes, what is the zoning classification(s) including any applicable overlay district? R1-40 Residential	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
b. Is the use permitted or allowed by a special or conditional use permit?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
c. Is a zoning change requested as part of the proposed action? If Yes, i. What is the proposed new zoning for the site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
C.4. Existing community services.	
a. In what school district is the project site located? Yorktown	
b. What police or other public protection forces serve the project site? Yorktown	
c. Which fire protection and emergency medical services serve the project site? Yorktown	
d. What parks serve the project site? Yorktown	

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)? Recreation - Concrete dam installation / repair.	
b. a. Total acreage of the site of the proposed action?	11.31 acres
b. Total acreage to be physically disturbed?	0.8 acres
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor?	14.2 acres
c. Is the proposed action an expansion of an existing project or use? i. If Yes, what is the approximate percentage of the proposed expansion and identify the units (e.g., acres, miles, housing units, square feet)? % 40 Units: Phase II	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
d. Is the proposed action a subdivision, or does it include a subdivision? If Yes, i. Purpose or type of subdivision? (e.g., residential, industrial, commercial; if mixed, specify types) ii. Is a cluster/conservation layout proposed? iii. Number of lots proposed? iv. Minimum and maximum proposed lot sizes? Minimum Maximum	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
e. Will proposed action be constructed in multiple phases? i. If No, anticipated period of construction: 8 months ii. If Yes: • Total number of phases anticipated • Anticipated commencement date of phase I (including demolition) month year • Anticipated completion date of final phase month year • Generally describe connections or relationships among phases, including any contingencies where progress of one phase may determine timing or duration of future phases:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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	N/A	_____	_____	_____

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

h. Does the proposed action include construction or other activities that will result in the impoundment of any liquids, such as creation of a water supply, reservoir, pond, lake, waste lagoon or other storage? Yes No
 If Yes,
 i. Purpose of the impoundment: Existing Pond - Recreational
 ii. If a water impoundment, the principal source of the water: Ground water Surface water streams Other specify: Stream Fed Pond
 iii. If other than water, identify the type of impounded/contained liquids and their source.

 iv. Approximate size of the proposed impoundment. Volume: _____ 1.9 million gallons; surface area: _____ 1.2 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): Existing concrete/stone

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? Remove pond sediments
 ii. How much material (including rock, earth, sediments, etc.) is proposed to be removed from the site?
 • Volume (specify tons or cubic yards): 0.0
 • Over what duration of time? 0.0
 iii. Describe nature and characteristics of materials to be excavated or dredged, and plans to use, manage or dispose of them.
 Sand silt organic bottom material. Disperse across site and seed.
 Sand / silt loam removed for temporary channel, then returned.

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? _____ 0.2 acres
 vi. What is the maximum area to be worked at any one time? _____ 0.8 acres
 vii. What would be the maximum depth of excavation or dredging? _____ 3.0 feet
 viii. Will the excavation require blasting? Yes No
 ix. Summarize site reclamation goals and plan: _____
 Removed material spread across area of meadow 0.9 acres, seeded and mulched.

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): Un-named Class C (T) WIN H-31-P44-14-1

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:
 0.8 acres disturbance
 Temporary diversion channel / cofferdam installation
 New concrete dam / reclamations

iii. Will proposed action cause or result in disturbance to bottom sediments? Yes No
 If Yes, describe: Set cofferdam on solid bottom

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: None present - Dredging Phase I completed
- expected acreage of aquatic vegetation remaining after project completion: _____
- purpose of proposed removal (e.g. beach clearing, invasive species control, boat access): _____
 Invasive Species _____
- proposed method of plant removal: Suction Harvesting
- if chemical/herbicide treatment will be used, specify product(s): _____

v. Describe any proposed reclamation/mitigation following disturbance: _____
 10 feet of wetland planting replaced

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Yes No
 Yes No

- Do existing sewer lines serve the project site?
- Will line extension within an existing district be necessary to serve the project?

If Yes:

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

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 _____ acres (impervious surface)

_____ Square feet or _____ acres (parcel size)

ii. Describe types of new point sources. _____

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)?

- 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)

ii. Stationary sources during construction (e.g., power generation, structural heating, batch plant, crushers)

iii. Stationary sources during operations (e.g., process emissions, large boilers, electric generation)

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 (CO₂).
- _____ Tons/year (short tons) of Nitrous Oxide (N₂O)
- _____ Tons/year (short tons) of Perfluorocarbons (PFCs)
- _____ Tons/year (short tons) of Sulfur Hexafluoride (SF₆)
- _____ Tons/year (short tons) of Carbon Dioxide equivalent of Hydrofluorocarbons (HFCs)
- _____ Tons/year (short tons) of Hazardous Air Pollutants (HAPs)

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 _____ Proposed _____ Net increase/decrease _____

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: _____

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: _____

ii. Anticipated sources/suppliers of electricity for the project (e.g., on-site combustion, on-site renewable, via grid/local utility, or other): _____

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.

<p>i. During Construction:</p> <ul style="list-style-type: none"> • Monday - Friday: _____ 7am - 5pm • Saturday: _____ • Sunday: _____ • Holidays: _____ 	<p>ii. During Operations:</p> <ul style="list-style-type: none"> • Monday - Friday: _____ • Saturday: _____ • Sunday: _____ • Holidays: _____
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

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

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

t. Will 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): _____
 ii. If mix of uses, generally describe:

b. Land uses and covertypes on the project site.

Land use or Covertype	Current Acreage	Acreage After Project Completion	Change (Acres +/-)
• Roads, buildings, and other paved or impervious surfaces	0.31	0.31	0
• Forested	3.2	3.2	0
• Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural)	5.02	5.02	0
• Agricultural (includes active orchards, field, greenhouse etc.)	1.48	1.48	0
• Surface water features (lakes, ponds, streams, rivers, etc.)	1.3	1.22	-0.08
• Wetlands (freshwater or tidal)	Included in surface water		
• Non-vegetated (bare rock, earth or fill)			
• Other Describe: Dam top surface _____		0.08	0.08
Total:	11.31	11.31	0

c. Is the project site presently used by members of the community for public recreation? Yes No
 i. If Yes: explain: _____

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:
 Brookside Elementary School

e. Does the project site contain an existing dam? Yes No
 If Yes:
 i. Dimensions of the dam and impoundment:
 • Dam height: _____ 7.5 feet
 • Dam length: _____ 102 feet
 • Surface area: _____ 1.3 acres
 • Volume impounded: _____ 43.6 acre/ft gallons OR acre-feet
 ii. Dam's existing hazard classification: A
 iii. Provide date and summarize results of last inspection:
 Not available

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: _____

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:

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	_____	9.5 %
Leicester Loam	_____	5 %
	_____	%

d. What is the average depth to the water table on the project site? Average: _____ 3 feet

e. Drainage status of project site soils: Well Drained: _____ % of site
 Moderately Well Drained: _____ 95 % of site
 Poorly Drained _____ 5 % of site

f. Approximate proportion of proposed action site with slopes: 0-10%: _____ 28 % of site
 10-15%: _____ 32 % of site
 15% or greater: _____ 40 % 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 Hallocks Mill Brook Classification C (T)
- Lakes or Ponds: Name H-31-P44-14-1 Classification C (T)
- Wetlands: Name Unnamed Pond Border Approximate Size 0.05 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: _____
 Hallocks Mill Brook

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: _____

m. Identify the predominant wildlife species that occupy or use the project site: _____
 Aquatic animals _____ Deer _____
 Bird species _____

n. Does the project site contain a designated significant natural community? Yes No
 If Yes:
 i. Describe the habitat/community (composition, function, and basis for designation): _____
 ii. Source(s) of description or evaluation: _____
 iii. Extent of community/habitat:
 • Currently: _____ acres
 • Following completion of project as proposed: _____ acres
 • Gain or loss (indicate + or -): _____ acres

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? Yes No

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? Yes No

q. Is the project site or adjoining area currently used for hunting, trapping, fishing or shell fishing? Yes No
 If yes, give a brief description of how the proposed action may affect that use: _____

E.3. Designated Public Resources On or Near Project Site

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? Yes No
 If Yes, provide county plus district name/number: _____

b. Are agricultural lands consisting of highly productive soils present? Yes No
 i. If Yes: acreage(s) on project site: _____
 ii. Source(s) of soil rating(s): _____

c. Does the project site contain all or part of, or is it substantially contiguous to, a registered National Natural Landmark? Yes No
 If Yes:
 i. Nature of the natural landmark: Biological Community Geological Feature
 ii. Provide brief description of landmark, including values behind designation and approximate size/extent: _____

d. Is the project site located in or does it adjoin a state listed Critical Environmental Area? Yes No
 If Yes:
 i. CEA name: _____
 ii. Basis for designation: _____
 iii. Designating agency and date: _____

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 type="checkbox"/> Yes <input checked="" 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.

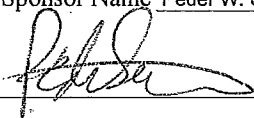
If you have identified any adverse impacts which could be associated with your proposal, please describe those impacts plus any measures which you propose to avoid or minimize them.

G. Verification

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

Applicant/Sponsor Name Peder W. Scott, P.E., R.A.

Date 12/12/18

Signature 

Title Engineer

Search:	Layers & Legend	Tell Me More...
Need a Permit?	Contacts	Help

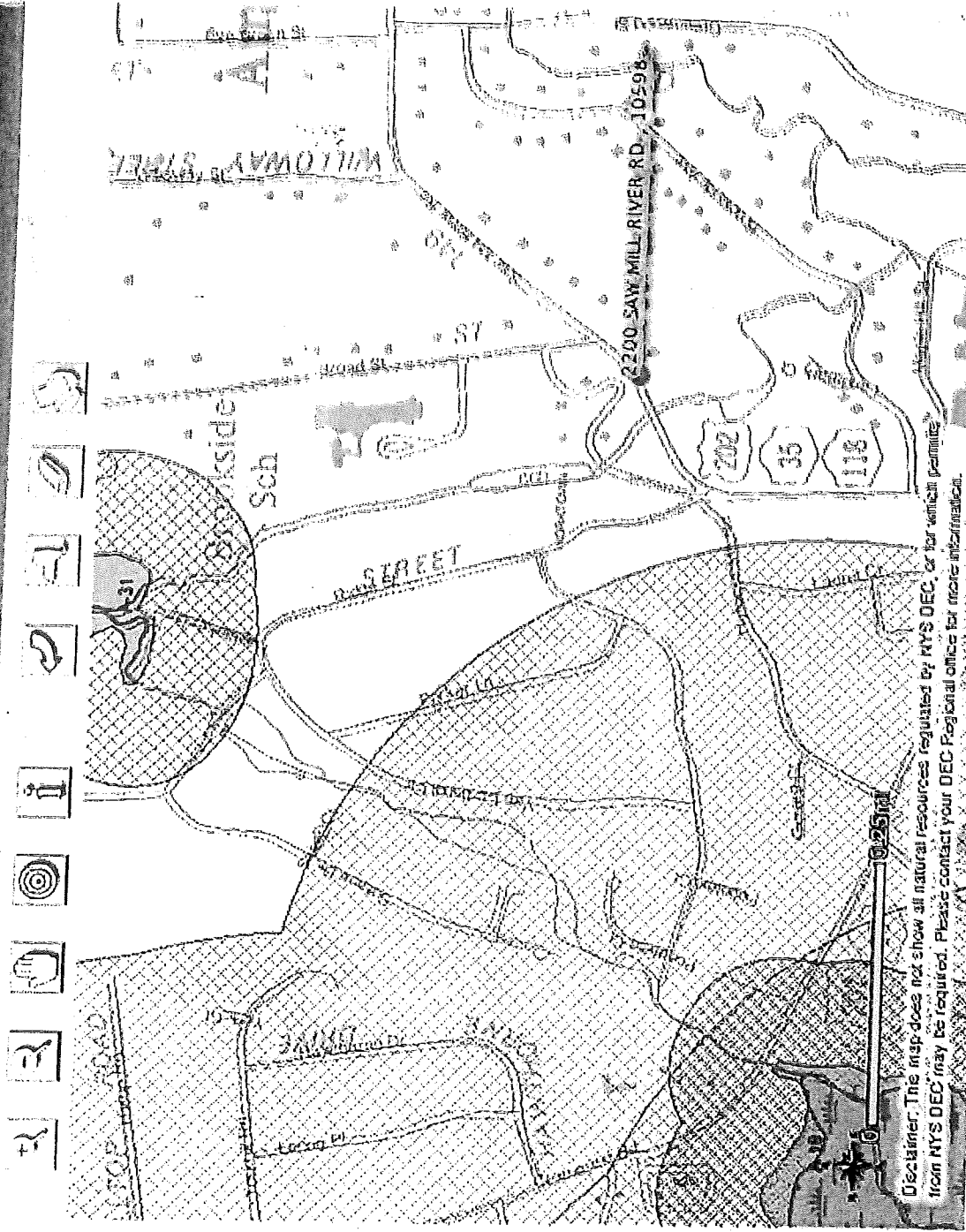
Map Layers & Legend

More layers appear as you zoom in.

- Classified Water Bodies
- Unique Geological Features
- Classified Water Bodies
- State-Regulated Freshwater Wetlands
- Wetland Checkzone ?
- Rare Plants and Rare Animals
- Significant Natural Communities
- Natural Communities Vicinity ?
- Background Map
- Adirondack Park Boundary
- Counties

Click "Refresh Layers" to activate and deactivate layers.

Refresh Layers



Click on a record # to zoom to or highlight that address

Record #	Address	Score
1	2200 SAW MILL RIVER RD 10598	100

Geotube[®] GT1000 Series Woven Geosynthetics
 for Containment in Hydraulic and Marine Applications

OUR COMPANY

TenCate develops and produces materials that function to increase performance, reduce costs and deliver measurable results by working with our customers to provide advanced solutions.

OUR PRODUCT

Geotube[®] containment technology is a proven, cost effective method to help protect shorelines, rebuild beaches and reclaim land from bodies of water.

The Difference Geotube[®] Marine Containment Technology Makes:

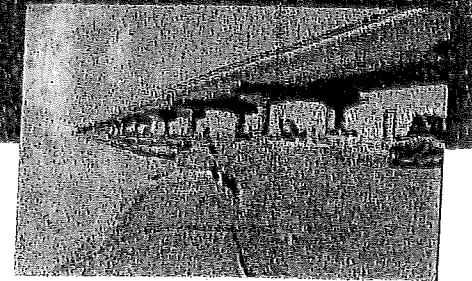
- Circumferential Seaming. Reduces the stress concentration on seams and allows the flexibility to fabricate any tube circumference.
- Rigid Mechanical Ports. Offers reinforcement at the port connection and more strength than textile sleeve ports.
- Flat End Technology. Provides consistent height at tube end junctions, thus eliminating the need to overlap.

Geotube[®] containers are manufactured from high modulus polypropylene engineered woven geosynthetics fabricated with high strength seaming techniques to produce tubular containers with ensured integrity during filling and operational life.

Typically the sizes of Geotube[®] containers range from 15 ft to 50 ft circumference. These containers have specially designed rigid mechanical ports which enable the uniform filling of sand, while water is drained through the permeable skin of the tubular containers. This results in a compact sand-filled, mass gravity structure that is settlement free and erosion resistant.

OUR APPLICATIONS

TenCate Geosynthetics has solutions for erosion protection used in Hydraulic & Marine structures. This includes structures used for both coastal/marine and waterways engineering. TenCate provides a range of containment solutions for the cores of dykes and levees. Dykes and levees are used to prevent flooding, enable construction to occur within calm water and protect from storm activity.



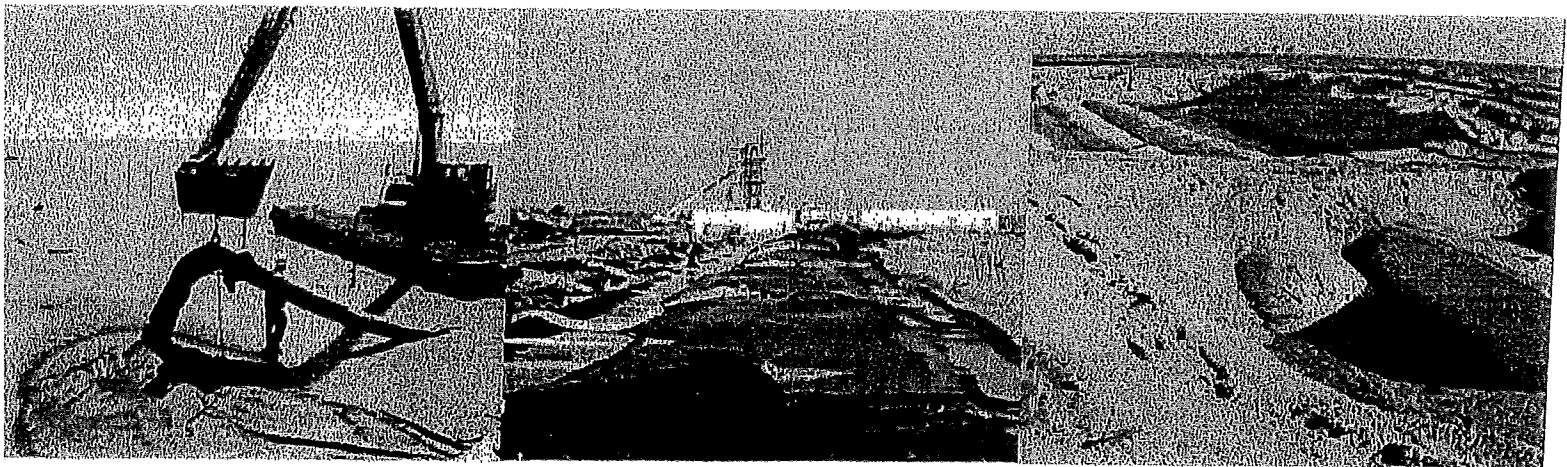
Jetties are used to provide land access for boat traffic while groynes provide erosion protection to the littoral movement of sand.

Breakwaters reduce water forces offshore before they reach land thus preventing erosion.

TenCate provides a range of geotextile and containment solutions to prevent erosion around offshore structures. These solutions include the creation of wetlands, artificial islands, and underwater structures.

OUR SERVICE

TenCate offers complete application technical assistance. Our comprehensive service includes assistance during design, specification and throughout the process. TenCate makes the difference.



TENCATE

Geotube®

Geotube® GT1000 Series Woven Geosynthetics for Containment in Hydraulic and Marine Applications

Geotube® GT1000 series are engineered woven geosynthetics composed of high-tenacity polypropylene multifilament yarns, which are woven into a stable network such that the yarns retain their relative position. Geotube® GT1000 Series are inert to biological degradation and resistant to naturally encountered chemicals, alkalis, and acids.

TenCate Geosynthetics Americas is accredited by a2La (The American Association for Laboratory Accreditation) and Geosynthetic Accreditation Institute - Laboratory Accreditation Program (GAI-LAP).

Geotube® GT1000M is black in color. Geotube® GT1000MB is tan in color.

Mechanical Properties	Test Method	Unit	Minimum Average Roll Value	
			MD	ED
Wide Width Tensile Strength (at ultimate)	ASTM D4595	lbs/in (kN/m)	1142 (200)	1142 (200)
Wide Width Tensile Elongation	ASTM D4595	%	20 (max.)	20 (max.)
Factory Seam Strength	ASTM D4884	lbs/in (kN/m)	913 (160)	
CBR Puncture Strength	ASTM D6241	lbs (kN)	4000 (17.8) ¹	
UV Resistance (% strength retained after 500 hrs)	ASTM D4355	%	85	

Hydraulic Properties	Test Method	Unit	Minimum Average Roll Value
Apparent Opening Size (AOS)	ASTM D4571	U.S. Sieve (mm)	30 (0.60)
Water Flow Rate	ASTM D4491	gal/min/ft ² (l/min/m ²)	20 (815)
Permittivity	ASTM D4491	sec ⁻¹	0.35

Physical Properties	Test Method	Unit	Typical Value ¹
Mass/Unit Area	ASTM D5261	oz/yd ² (g/m ²)	33 (1119)

¹ ASTM D4439 Standard Terminology for Geosynthetics: typical value, n— for geosynthetics, the mean value calculated from documented manufacturing quality control test results for a defined population obtained from one test method associated with a specific property.

How Geotube® Marine Containment Technology Works

Building a marine containment structure with Geotube® technology is a three-step process.

In the *filling* stage, the Geotube® container is filled with dredged sand or similar material. The Geotube® containers are constructed of a unique fabric, specially engineered for a marine structure.

In the *containment* stage, the durable and high retention fabric allows the dredged materials to fall out of suspension and form a dense monolithic structure.

In the final stage, *structural*, the contained and densified material serves as a structural mass. When utilized with an accompanying Scour Apron, the Geotube® container may be utilized as a sand dune core or other shoreline re-nourishment or erosion prevention medium.



Step 1: Filling



Step 2: Containment



Step 3: Structural

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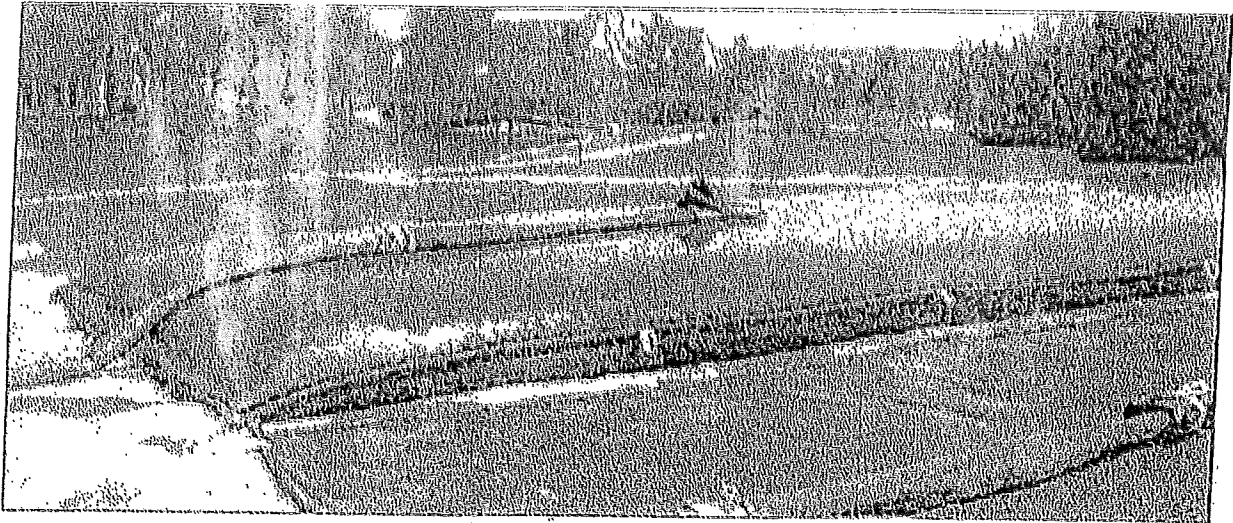
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Pendergrass, GA 30967 Tel 706 693 2226 www.mtrafi.com



TENCATE

materials that make a difference.



GEO-TEXTILE DE-WATERING BAGS

60 FT. CIRCUMFERENCE x 90 FT. LONG TENCATE GEOTUBE DEWATERING BAGS

NOTES:

DE-WATERING AREA IS NOT TO HAVE A SLOPE GREATER THAN 3%, AND IS TO BE STABILIZED WITH WOOD CHIPS AND HAY BALES.

THIRD TUBE IS TO BE LAID ON TOP DURING HARVESTING OPERATION

