



TOWN OF SOUTHAMPTON

Department of Community Preservation
 24 W Montauk Hwy, Hampton Bays, NY 11946
 Ph: 631-287-5720 Fx: 631-728-1920
 WWW.SOUTHAMPTONTOWNNY.GOV/CPF

COMMUNITY PRESERVATION FUND (CPF) WATER QUALITY IMPROVEMENT PROGRAM CHECKLIST/APPLICATION INSTRUCTIONS

The CPF Water Quality Improvement Project Plan (WQIPP) Fund follows the objectives in the adopted [Water Quality Improvement Project Plan](#) (see <http://www.southamptontownny.gov/DocumentCenter/View/7318>)

To apply for funding, an application must be **COMPLETED** and submitted along with detailed narratives and supporting information as described below. The Water Quality Advisory Committee will rank and score projects based on the [Scoring Criteria contained in the application materials](#). Parcel acquisitions will be considered on an ongoing basis, independent of this application process.

A Public Hearing and Town Board Resolution will be required for individual or multiple projects in excess of \$50,000.

WATER QUALITY IMPROVEMENT PROJECT MEANS:

[1] DEFINITIONS:

1. **Wastewater Treatment Improvement Project** means the planning, design, construction, acquisition, enlargement, extension, or alteration of a wastewater treatment facility, including alternative systems to a sewage treatment plant or traditional septic system, to treat, neutralize, stabilize, eliminate or partially eliminate sewage or reduce pollutants in treatment facility effluent, including permanent or pilot demonstration wastewater treatment projects, or equipment or furnishings thereof. Stormwater collecting systems and vessel pumpout stations shall also be included within the definition of a wastewater improvement project.
1. **Nonpoint source abatement and control program projects** developed pursuant to section eleven-b of the soil and water conservation districts law, title 14 of article 17 of the environmental conservation law, section 1455b of the federal coastal zone management act, or article forty-two of the executive law;
2. **Aquatic Habitat Restoration Project** means the planning, design, construction, management, maintenance, reconstruction, revitalization, or rejuvenation activities intended to improve waters of the state of ecological significance or any part thereof, including, but not limited to ponds, bogs, wetlands, bays, sounds, streams, rivers, or lakes and shorelines thereof, to support a spawning, nursery, wintering, migratory, nesting, breeding, feeding, or foraging environment for fish and wildlife and other biota.
3. **Pollution Prevention Project** means the planning, design, construction, improvement, maintenance or acquisition of facilities, production processes, equipment or buildings owned or operated by municipalities for the reduction, avoidance, or elimination of the use of toxic or hazardous substances or the generation of such substances or pollutants so as to reduce risks to public health or the environment, including changes in production processes or raw materials; such projects shall not include incineration, transfer from one medium of release or discharge to another medium, off-site or out-of-production recycling, end-of-pipe treatment or pollution control.
4. **The Operation of the Peconic Bay National Estuary Program**, as designated by the United States Environmental Protection Agency. Such projects shall have as their purpose the improvement of existing water quality to meet existing specific water quality standards. Projects which have as a purpose to permit or accommodate new growth shall not be included within this definition.



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COMMUNITY PRESERVATION FUND (CPF) WATER QUALITY IMPROVEMENT PROGRAM PROPOSAL SUMMARY

Project Proposal _____

Project Applicant _____

Project Title _____

Project Contact Information _____

Project Manager Name _____

Project Manager Title _____

Project Manager Affiliation _____

Project Manager Address _____

Project Manager Phone _____

Project Manager Email _____

Property Owner Name _____

Property Owner Affiliation _____

Property Owner Mailing Address _____

Property Owner Phone _____

Property Owner Email _____

Project Location _____

Project Location SCTM #(S) _____

Type of Project

Reduction _____

Remediation _____

Restoration _____

Project Summary (2-3 sentences) _____

Submittal date _____



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1. PROJECT TYPE (check all that apply)

Meets at least one of the definitions of "Water Quality Improvement Project" per State Law Chapter 551 cited above

- Wastewater Treatment Improvement Project
- Non-point source abatement and control
- Aquatic habitat restoration
- Pollution prevention
- Stormwater collecting system
- Vessel Pump out station
- Operation of Peconic Bay National Estuary Program (Grant Match)

2. PRIORITY AREA(S) (check all that apply)

- High
- 303(d) Impaired
- Medium
- Outside High and Medium priority areas*

*Narrative must explain how project is relevant to Water Quality Improvement Project Plan (WQIPP) goals

3. PROJECT DESCRIPTION

- Narrative describes in detail existing conditions of applicable groundwater/sub-watershed/waterbody and includes most recent and relevant data available (provide sources)

- Photos of exiting conditions are included (Attach Photos)
- Location map is included (Attach Map)
- Narrative describes in detail what the issue is and how the proposed solution addresses the issue in the context of Reduction, Remediation and/or Restoration as per the CPF Water Quality Project Plan



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- Narrative describes proposed technology in sufficient detail and includes information on its demonstrated efficacy in similar setting (may include published data) (Attach pages as needed)

- Narrative indicates how the project supports Town of Southampton, Suffolk County, NYSDEC Long Island Nitrogen Action Plan (LINAP) or other adopted goals/policies (provide references with pages numbers, etc.) (Attach pages as needed)

- A State Environmental Quality Review Act (SEQRA) Long or Short Environmental Assessment Form (EAF) is completed and included with application <https://www.dec.ny.gov/permits/6191.html>

OTHER REQUIRED INFORMATION

- If Stormwater system or Drainage is proposed, the narrative and design specifications indicate compliance with the New York State Stormwater Design Manual (2015 and as updated)
- If project is related to farmland, the narrative addresses any Agricultural Stewardship Plan or other long term strategy for Nitrogen abatement
- If the project is for a municipal facility or infrastructure, information pertaining to Town or Village budgetary allocations for ongoing maintenance is provided
- If the project is for habitat restoration, the narrative addresses how underlying causes are being ameliorated and expected outcomes for local species populations or other ecological considerations are given
- If project is a Sewage Treatment Plant (STP) or cluster treatment system, fund allocation request is based on cost for reduction of pre-existing conditions and not for purpose of accommodating new density (describe pre-existing density and associated flow (gallons per day) and total projected nitrogen reduction in narrative). Include detailed information on how many homes the system would treat as well as potential for formation of Sewer District, if required by Suffolk County Health Department or Town Law
- If the project is requesting grant match for the Peconic Estuary Program, include information related to funding program source and purpose of application and any relevant items on this checklist. Note: A Town Board resolution will be required in order to encumber matching funds for grant applications



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4. WATER QUALITY BENEFIT

- Yes No N/A Nitrogen, Pathogen or Pollutant of Concern (POC) Existing Condition & Target Reduction is identified
- Yes No N/A Anticipated reduction by proposed technology is provided by utilizing EPA's Spreadsheet Tool for Evaluating Pollutant Load (STEPL) <http://it.tetrattech-ffx.com/steplweb/> or similar standardized methodology (provide)
- Yes No N/A Related to above, the narrative describes how data will be collected and reported over time
- Yes No N/A Narrative indicates how the useful life of the proposed technology will meet or exceed five (5) years
- Yes No N/A A total cost budget is included (see pages 6-7 for template) with a cost-benefit discussion and any details related to matching funds (e.g. in-kind services, pre-and post-monitoring, etc)

5. DURATION OF PROJECT

- Projected timeline is included (described any permits needed and time frame/status of required approvals)
- Narrative explains if project is multi-year or phased and includes budget/milestones for each year and Phase

6. PROJECT READINESS

- Narrative describes current stage of planning (e.g. conceptual, preliminary, full construction documents) and includes conceptual or sketch plans where applicable.
- Narrative describes community support for the project (attach letters of support, public hearing testimony, news coverage, community meeting minutes, other outreach as applicable) or addresses potential community opposition/educational needs.

7. MANAGEMENT, EXPERIENCE, ABILITY

- Narrative describes experience in completing similar projects
- Narrative describes project staffing, oversight and administration
- Narrative describes qualifications of project staff, consultants and contractors (as applicable)
- If Homeowner's Association or other community group, describe formal structure and responsibilities of members involved
- If private property (e.g. farmland), the narrative describes who is being contracted to do the work (qualifications, etc.)

8. REQUIRED CERTIFICATIONS

- Commitment is provided via Letter of Intent (LOI)* for non-municipal entities or adopted resolution for Incorporated Villages *
 Note: A LOI template is provided in the application packet
- Plans stamped by NYS licensed Engineer and/or surveyor, where applicable
- STEPL calculations or equivalent prepared by NYS licensed Engineer, where applicable
- Certify that request for proposed funding is not otherwise required by Local, State or Federal Law and intended benefits cannot be achieved without external funding
- Certify that the application will report on project outcomes, including monitoring results

9. MAINTENANCE, MONITORING & EVALUATION

- A plan related to ongoing maintenance, monitoring and evaluation (reporting to the Town) is provided
- The Monitoring Plan will provide water quality data at regular intervals for a minimum of five (5) years

10. EDUCATIONAL COMPONENT

- The project sponsor will erect signage displaying the intent and benefit of the project on site
- As part of the evaluation, the project sponsor will submit a write-up of lessons learned and future needs



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COMMUNITY PRESERVATION FUND (CPF)
WATER QUALITY IMPROVEMENT PROGRAM
BUDGET PROPOSAL

PLANNING/ENGINEERING/DESIGN	Town CPF Re- quest	Matching Funds Committed	Matching Funds Pending	Estimated Total Project Costs
In-house labor (provide separate sheet with calculations)				
Task 1-	\$-	\$-	\$-	\$-
Task 2-	\$-	\$-	\$-	\$-
Task 3-	\$-	\$-	\$-	\$-
Task 4-	\$-	\$-	\$-	\$-
Task 5-	\$-	\$-	\$-	\$-
Task 6-	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
In House Labor Total	\$-	\$-	\$-	\$-

Materials/Supplies				
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
Materials/Supplies Total	\$-	\$-	\$-	\$-

Contractual Services				
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
Contractual Services Total	\$-	\$-	\$-	\$-



CONSTRUCTION AND SITE IMPROVEMENTS	Town CPF Request	Matching Funds Committed	Matching Funds Pending	Estimated Total Project Costs
In-house labor (provide separate sheet with calculations)				
Task 1-	\$-	\$-	\$-	\$-
Task 2-	\$-	\$-	\$-	\$-
Task 3-	\$-	\$-	\$-	\$-
Task 4-	\$-	\$-	\$-	\$-
Task 5-	\$-	\$-	\$-	\$-
Task 6-	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
In House Labor Total	\$-	\$-	\$-	\$-

Equipment/Materials/Supplies				
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
Equipment/Materials/Supplies Total	\$-	\$-	\$-	\$-

Contractual Services				
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
Contractual Services Total	\$-	\$-	\$-	\$-

ENGINEERING TOTAL	\$-	\$-	\$-	\$-
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Total Project Cost	\$-
Total CPF Funds Requested	\$-

Applicant matching funds committed	\$-
Applicant matching funds pending approval (e.g. grant request submitted pending determination)	\$-

Source of matching funds	Amount



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COMMUNITY PRESERVATION FUND (CPF) WATER QUALITY IMPROVEMENT PROGRAM LETTER OF INTENT

CONTACT INFORMATION

Municipality _____
Contact First and Last Name: _____
Contact Address _____
Contact Phone: _____
Contact Email: _____

PROJECT INFORMATION

Project Title _____
Project Location _____
Project Description (1-3 sentences) _____

ANTICIPATED PROJECT TIMELINE

Begin: _____
Complete: _____
Notes: _____

Copy of WQIPP Scoring System

Project Name: Hypothetical Project

Number: 2018-G-3

Proj Manager:

Status:

Mandatory Criteria		YES	No
MC.1	Project Application Completed with Detailed Info	X	
MC.2	Impact of the Project on Water Quality	X	
MC.3	Duration of Benefits Exceed 5 Years	X	
MC.4	Funding Requirement	X	
MC.5	Demonstrated Technology	X	
MC.6	Ownership Commitment LOI	X	

Initials
1
2
3

Total Score
39

Only change numbers with Red font

Input (1 to 5)

Water Quality Improvement Impact		Percent Weight		Grade	Score
WQ.1	Impact on Water Quality is Measurable	20%	6	1	1.2
WQ.2	Impact on Water Quality is Significant	40%	12	2	4.8
WQ.3	Project serves Water Quality Priorities stated by the Project Plan	20%	6	3	3.6
WQ.4	If not Cost Efficient, does project provide a prototype or catalyst for something beneficial to water quality	20%	6	4	4.8
SubTotal		100%	30		14.4

Cost Factors		Percent Weight		Grade	Score
C.1	Cost estimate is well substantiated	40%	12	3	7.2
C.2	Project provides high value for cost	20%	6	2	2.4
C.3	Does project leverage other sources of funding	10%	3	4	2.4
C.4	Cost overrun contingency has been considered	10%	3	5	3
C.5	Maintenance Costs have been estimated and provided	20%	6	2	2.4
SubTotal		100%	30		17.4

Management, Experience, and Ability		Percent Weight		Grade	Score
MEA.1	Owner is a Municipality	10%	1.5	1	0.3
MEA.2	Project Type is a WQIPP Standard	25%	3.75	4	3

Copy of WQIPP Scoring System

MEA.3	Project Supports Town, County, LINAP, and other Adopted Goals	25%	3.75	5	3.75
MEA.4	Applicant has demonstrated experience in completing similar projects	40%	6	2	2.4
SubTotal		100%	15		9.45

Project Readiness		Percent Weight		Grade	Score
PR.1	Significant Community Support	20%	3	4	2.4
PR.2	Absense of Community Opposition	20%	3	5	3
PR.4	Owner has Committed with LOI	20%	3	3	1.8
PR.4	Sources of Funding not provided by CPF - LOI	20%	3	3	1.8
PR.5	Permitability	20%	3	1	0.6
SubTotal		100%	15		9.6

Maintenance, Monitoring, and Evaluation		Percent Weight		Grade	Score
MME.1	Provisions made for long term maintenance of the project post construction	50%	5	4	4
MME.2	Stewardship, monitoring, enforcement protocols in place	50%	5	3	3
SubTotal		100%	10		7

Scored Criteria	Category Weighting
WQ	Water Quality Improvement Impact 30
C	Cost Factors 30
MEA	Management, Experience, and Ability 15
PR	Project Readiness 15
MME	Maintenance, Monitoring, and Evaluation 10
100	

Department of Municipal Works
116 HAMPTON ROAD
SOUTHAMPTON, NY 11968

Phone: (631) 702-1750
Fax: (631) 287-1530

TOWN OF SOUTHAMPTON



JAY SCHNEIDERMAN
TOWN SUPERVISOR

CHRISTINE FETTEN, P.E.
DIRECTOR OF MUNICIPAL WORKS
PETER GAUDIELLO
FACILITIES MAINTENANCE SUPERVISOR
THOMAS F. NEELY
TRAFFIC SAFETY DIRECTOR
EDWARD THOMPSON, JR.
WASTE MANAGEMENT SUPERVISOR

July 6, 2018

Town of Southampton
Department of Community Preservation
24 W. Montauk Highway
Hampton Bays, NY 11946

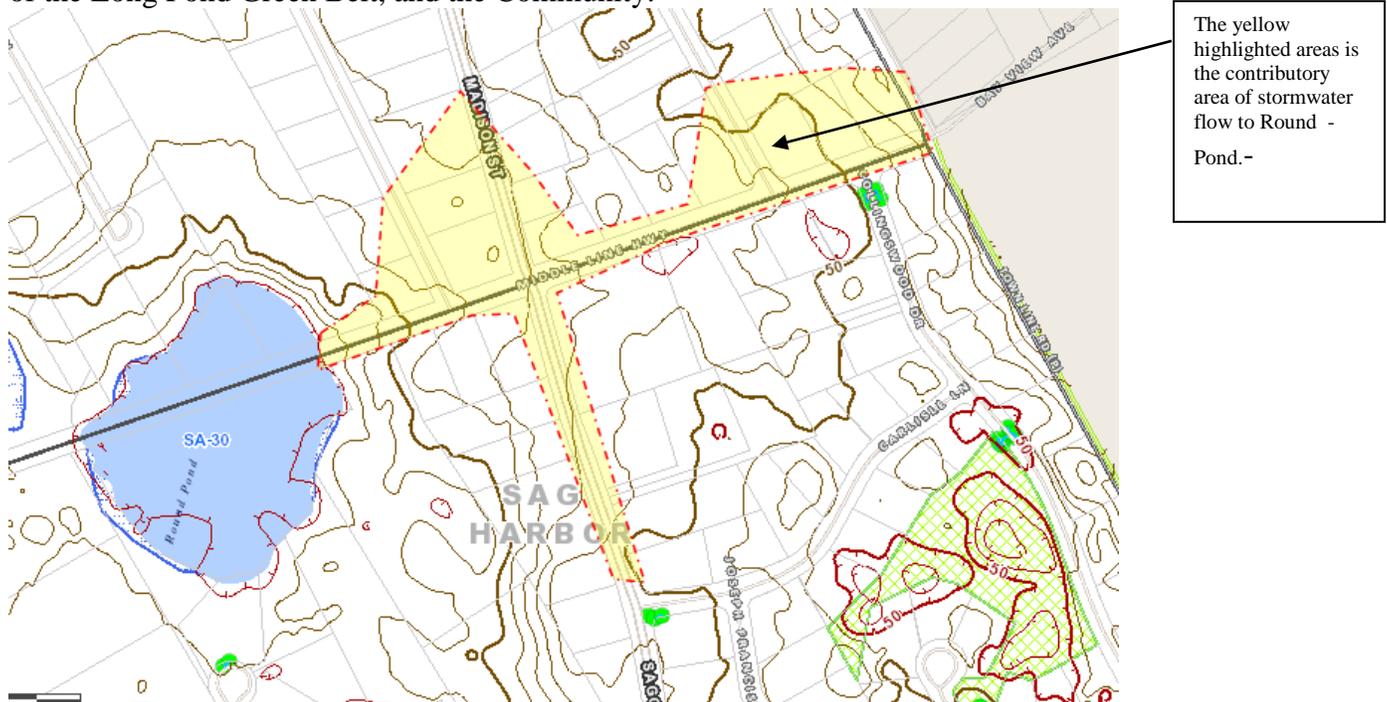
Attention: Water Quality Improvement Program
Review Committee

Re: Round Pond Stormwater Mitigation and Wetlands Restoration Project

In accordance with the CPF Water Quality Improvement Project Application, please find the attached narrative to assist in the review process associated with the above referenced project.

Proposal Summary

The portion of Middle Line Highway that is situated between Suffolk Street and Round Pond is jointly owned by the Town of Southampton and the Village of Sag Harbor. Round Pond is a local regulated fresh water wetland used by the local community for fishing, kayaking, and enjoying the natural beauty of the area. The Trustees of the Town of Southampton stock the pond with fish on a seasonal basis. Stakeholders interested in the success of this project include but are not limited to the Town, Village, Trustees, Friends of the Long Pond Green Belt, and the Community.



The Town of Southampton, as the applicant is proposing a stormwater mitigation and wetlands and habitat restoration project at this location. Elements of the proposed project are consistent with both the Town's Water Protection Plan, Stormwater Management Program Plan, and the New York State Department of Environmental Conservation Municipal Separate Storm Sewer System requirements initiated out of the Environmental Protection Agency's Clean Water Act. Elements of the proposed project include:

1. Removal of approximately 150 linear feet of paved surface at the west end of Middle Line Highway.



2. Removal of approximately 92 linear feet of both timber and aluminum bulk heading, a drainage structure, and some asphalt and concrete curbing.





3. Regrading of Middle Highway from approximately 150' west of Suffolk Street, to the waters edge, creating a stabilized slope from the new edge of pavement to the waters edge.
4. Creation of a stormwater sediment containment chamber system (2 drywells), a rain garden, with a bubbler system, and an open vegetated swale along the north side of the stabilized slope.
5. Creation of a 12' wide stabilized path (constructed of permeable blue stone) to allow for emergency services to access the pond in the event of a water rescue, and to allow for residents to enjoy the pond either by fishing, or hand launched boats (canoes/kayacks).
6. Establishment of wetland vegetation and upland native vegetation along the remaining area of the stabilized slope to the pond, as well as the created side slopes.
7. Installation of bird houses, to establish a Purple Martin colony in this area, to serve as integrated pest management of the mosquitoes.

Stormwater Mitigation Project

This project is a stormwater mitigation project in that it will reduce the stormwater runoff entering into the pond, by interception and infiltration through various best management practices designed to reduce velocity, and capture sediment and filter potential pollutants such as nitrogen and phosphorus through plant uptake within the rain garden, and then the open vegetated swale. Stormwater runoff will also be reduced, by the reduction of impermeable areas by removing the existing pavement and returning the slope to a natural porous state, then planting it with native species that will serve to slow and filter the runoff and allow further infiltration.

Habitat Restoration

This project is a habitat restoration project in that, it will remove the bulkheading and restore the natural wetland boundary of the pond. The area will be stabilized with wetland plantings and native upland species including trees, shrubs, and perennials designed to restore and provide nourishment for the local wildlife.

Water Quality Benefit

Pollutant of Concern –The pollutants of concern in this area, will be trash, sediment, and nutrients (nitrogen and phosphorus).

Anticipated Life of Project –This project will include both structural and nonstructural best management practices. Both will have to be monitored and maintained as necessary to provide an anticipated 40+ life of the project.

Cost Estimate – The preliminary Engineers Estimate on this project is approximately \$190,000.

Duration of Project –

As this project will require both permits, and execution of an Intermunicipal Agreement with the Village of Sag Harbor, to allow for the work to be performed and to configure the long term maintenance parameters, it is anticipated that the design could be initiated in January 2019, completed in March 2019, with construction following and completed by June of 2019

Project Readiness

This project will require an Intermunicipal Agreement between The Town of Southampton and the Village of Sag Harbor. This project will also require permits from both the New York State Department of Environmental Conservation, and the Town Trustees. It is anticipated following determination of grant availability, those two items can be initiated followed but final design and construction to be completed mid 2019.

Management, Experience, Ability

The Town has completed many similar projects involving both stormwater management and habitat, shoreline restoration. The Town staff overseeing consultant services will include but not be limited to the following personnel:

- Christine Fetten, P.E. – Town Engineer
- Marty Shea, –Chief Environmental Analyst.

Required Certifications

The construction plans will be stamped by a Professional Engineer licensed in the State of New York.

Maintenance Monitoring & Evaluation

The Town will work cooperatively and through a future executed Intermunicipal Agreement and Volunteer Services agreements to develop a

- Maintenance – combination of the Town and the Village
- Monitoring – Friends of the Long Pond Green Belt
- Evaluation – Work internal protocol to evaluate the effectiveness of the wetland restoration efforts.

Protocol for the long term project.

Educational Component.

Work with the local educators to make a combined lesson plan in earth science classes that discusses stormwater runoff, and habitat restoration as tools to improve water quality.

Short Environmental Assessment Form

Part 1 - Project Information

Instructions for Completing

Part 1 - Project Information. The applicant or project sponsor is responsible for the completion of Part 1. Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification. Complete Part 1 based on information currently available. If additional research or investigation would be needed to fully respond to any item, please answer as thoroughly as possible based on current information.

Complete all items in Part 1. You may also provide any additional information which you believe will be needed by or useful to the lead agency; attach additional pages as necessary to supplement any item.

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

<p>18. Does the proposed action include construction or other activities that result in the impoundment of water or other liquids (e.g. retention pond, waste lagoon, dam)? If Yes, explain purpose and size: _____ _____ _____</p>	<p>NO</p>	<p>YES</p>
<p>19. Has the site of the proposed action or an adjoining property been the location of an active or closed solid waste management facility? If Yes, describe: _____ _____ _____</p>	<p>NO</p>	<p>YES</p>
<p>20. Has the site of the proposed action or an adjoining property been the subject of remediation (ongoing or completed) for hazardous waste? If Yes, describe: _____ _____ _____</p>	<p>NO</p>	<p>YES</p>
<p>I AFFIRM THAT THE INFORMATION PROVIDED ABOVE IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE</p> <p>Applicant/sponsor name: _____ Date: _____</p> <p>Signature: _____</p>		

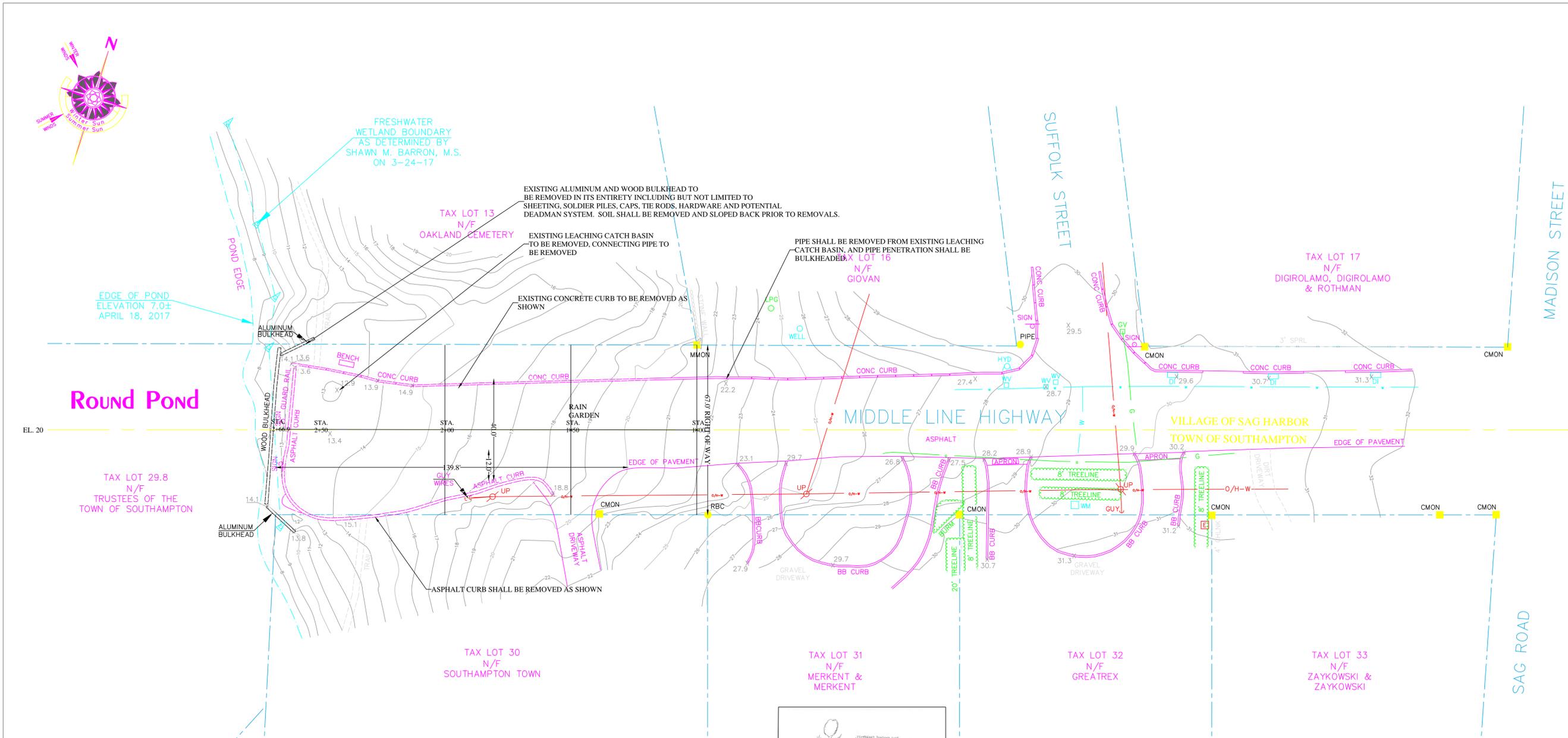
2018 07 09 Simple Method.xls
 OVERALL SUMMARY

7/9/2018

Date (MM/DD/YYYY): 7/9/2018
 Project Name: Round Pond Stormwater Mitigation and Wetland Restoration Project
 Town/City: Sag Harbor and the Village of Sag Harbor, Town of Southampton
 Impacted Surface Waters: Round Pond - Freshwater Wetland SA-30
 Applicant: Town of Southampton
 DES File #:

TOTAL PRE -DEVELOPMENT (PRE-DEV) AREA (ACRES) =	14.69
TOTAL PRE-DEV EFFECTIVE IMPERVIOUS AREA (ACRES) =	6.30
TOTAL PRE-DEV PERCENT EFFECTIVE IMPERVIOUS (%) =	42.9%
TOTAL POST DEVELOPMENT (POST-DEV) AREA (ACRES) =	14.69
TOTAL POST-DEV EFFECTIVE IMPERVIOUS AREA (ACRES) =	5.36
TOTAL POST-DEV PERCENT EFFECTIVE IMPERVIOUS (%) =	36.5%
TOTAL POST-DEV AREA THAT IS FERTILIZED ANNUALLY (ACRES) =	4.18
TOTAL POST-DEV PERCENT OF AREA THAT IS FERTILIZED ANNUALLY (%) =	28.5%

	TSS (LBS/YR)	TP (LBS/YR)	TN (LBS/YR)
PRE DEVELOPMENT LOADS (NO BMPS)	7055.5	63.8	266.4
PRE DEVELOPMENT LOADS (WITH BMPS)	705.5	19.1	133.2
PRE DEVELOPMENT LOAD REDUCTION DUE TO BMPS	6349.9	44.7	133.2
PROPOSED PERCENT REDUCTION IN FERTILIZER APPLICATION RATE	NA	32.5%	26.5%
POST DEVELOPMENT LOADS (NO BMPS)	5562.0	59.9	253.3
POST DEVELOPMENT LOADS (WITH BMPS)	556.2	15.8	115.6
POST DEVELOPMENT LOAD REDUCTION DUE TO BMPS	5005.8	44.1	137.7
POST DEVELOPMENT - PRE DEVELOPMENT (SHOULD BE 0 OR NEGATIVE)	-149.4	-3.4	-17.6
% DIFFERENCE FROM PRE DEVELOPMENT LOADS (SHOULD BE 0 OR NEGATIVE)	-21.2%	-17.6%	-13.2%
TOTAL REMOVAL EFFICIENCY NEEDED TO MEET PRE-DEVELOPMENT LOAD	87.3%	68.0%	47.4%
CURRENTLY PROPOSED REMOVAL EFFICIENCY	90.0%	73.7%	54.4%
REMAINING REMOVAL EFFICIENCY NECESSARY TO MEET PRE-DEVELOPMENT LOAD	-2.7%	-5.6%	-7.0%



TOWN OF SOUTHAMPTON
 DEPARTMENT OF MUNICIPAL WORKS
 116 HAMPTON ROAD
 SOUTHAMPTON, NY 11968
 631-702-1750

ROUND POND STORMWATER MITIGATION AND
 WETLAND RESTORATION PROJECT
 GRANT APPLICATION

REVISION NO.	DATE	DESCRIPTION

DEMOLITION PLAN

SCALE: 1" = 20'
 DRAWN BY: CPF
 DATE: JULY 9, 2018

BASE SURVEY PREPARED BY F. MICHAEL HEMMER, LS, P.C.,
DATED 18 APR 2017

Round Pond

TAX LOT 29.8
N/F
TRUSTEES OF THE
TOWN OF SOUTHAMPTON

TAX LOT 30
N/F
SOUTHAMPTON TOWN

PROPOSED MIDDLE LINE HIGHWAY RIGHT OF WAY AND HAND TO SHIP BOATS
HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 5'
40' WIDE SLOPE TO BE PITCHED ON A 9.6% SLOPE AND REVEGETATED
WITH NATIVE PLANTINGS RECOMMENDED BY CONSERVATION
SIDE SLOPE RESTORATION SHALL BE PERFORMED IN REMAINING PORTIONS
OF THE MIDDLE LINE HIGHWAY RIGHT OF WAY. STABILIZED WITH NATIVE UPLAND
AND WETLAND PLANT SPECIES AS RECOMMENDED BY ENV. CONSERVATION

2- LEACHING CATCH BASINS (10'X4')
TO ACT AS SEDIMENT FOREBAYS PRIOR TO STORMWATER
OVERFLOW INTO RAIN GARDEN

RAIN GARDEN OVERFLOW
LEACHING CATCH BASIN- GRATE EL. 18.9
INVERT EL. 17

BUBBLER STRUCTURE
GRATE EL. 16, INVERT EL. 15
STORMWATER TO OVERFLOW INTO
BIOSWALE

RAIN
GARDEN
STA. EL. 17
1x50 EL. 18

CMON

MMON

67.0' RIGHT OF WAY

STA. 1+00

RBC

2.5' X 4' BUBBLER CATCH BASIN - GRATE EL. 16; INV EL. 13.9
OVERFLOW STORMWATER SHALL ENTER INTO VEGETATED SWALE WHEN
STRUCTURE OVERFLOWS- SEE DETAIL
15" DIA. HDPE OVERFLOW PIPE TO BUBBLER CATCH BASIN.

RAIN GARDEN OVERFLOW STRUCTURE -
10' DIA X 4' LEACHING POOL, GRATE EL. 18.9
PROPOSED PROFILE (TYP)
RAIN GARDEN - 1V:3H SIDE SLOPES

PROPOSED LEACHING CATCH BASINS
(SEDIMENT FOREBAY) - 10' DIA X 4' TYP 2
EXISTING PROFILE (TYP)

STA. 2+66.9 STA. 2+50 STA. 2+00 STA. 1+50 STA. 1+00



TOWN OF SOUTHAMPTON
DEPARTMENT OF MUNICIPAL WORKS
116 HAMPTON ROAD
SOUTHAMPTON, NY 11968
631-702-1750

ROUND POND STORMWATER MITIGATION AND
HABITAT RESTORATION PROJECT
2018 07 05
DRAFT PLAN

REVISION NO.	DATE	DESCRIPTION

STORMWATER MITIGATION PLAN

SCALE: 1" = 20'
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